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[Decisions of the United States Court of Appeals of the District of Columbia by the letter (•), and of the United States Court of Customs and Patent Appeals by a star (▪).]

ERRATA

In the OFFICIAL GAZETTE, January 17, 1939, under Prints, page 562, first column, line 8, strike out "17,198.—Title: AURALGAN—IS ON IT'S WAY. For a YOUR FURRIER. For Garments Made of Furs. Feller's, Harrisburg, Pa. Published September 9, 1938" and insert instead—17,199.—Title: IF YOU DON'T KNOW FURS—KNOW YOUR FURRIER. For Garments Made of Furs. FELLER'S, Harrisburg, Pa. Published September 9, 1938.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air O-Lamp Corporation, Chicago, Ill. Electric lamps and combination electric lamps and fans. Serial No. 407,893; Mar. 7. Class 21.

Allen, Carl S., doing business as Steamaire Company, Cincinnati, Ohio. Units for vaporizing, atomizing, etc. fluids. Serial No. 413,506; Mar. 7. Class 34.

American Banker, Inc., New York, N. Y. Newspaper and a magazine and a section of a magazine. Serial No. 414,718; Mar. 7. Class 38.

American Bleached Goods Company, Inc., New York, N. Y. Piece goods. Serial No. 409,669; Mar. 7. Class 42.

American Bleached Goods Company, Inc., New York, N. Y. Piece goods. Serial No. 413,430; Mar. 7. Class 42.

American Car and Foundry Motors Company, New York, N. Y. Internal combustion engines. Serial No. 414,587; Mar. 7. Class 23.

American Felt Company, New York, N. Y. Liquid seals. Serial No. 414,719; Mar. 7. Class 35.

Ashco Corp., New York, N. Y. Combination cigarette holder and ash receiver. Serial No. 414,387; Mar. 7. Class 8.

Astatic Microphone Laboratory, Inc., Youngstown, Ohio. Crystal microphones, crystal pick-ups, microphone stands, etc. Serial No. 398,604; Mar. 7. Class 21.

Atlas Bedding Company. (See Micon, A.)

Atlas Powder Company, Wilmington, Del. Derivatives of hexahydric alcohols and inner ethers thereof. Serial No. 412,403; Mar. 7. Class 6.

Automotive Gear Works, Inc., Richmond, Ind. Tools. Serial No. 405,098; Mar. 7. Class 23.

Axilene Co. (See Germain, Alice M.)

Baker Oil Tools, Inc., Huntington Park, Calif. Well drilling tools and equipment. Serial No. 413,698; Mar. 7. Class 23.

Basic Foods, Inc., Jersey City, N. J. Icing for cakes and cookies. Serial No. 414,771; Mar. 7. Class 46.

Bedford Shirt Company, The, New York, N. Y. Men's shirts, sport jackets, and sport slacks. Serial No. 414,389; Mar. 7. Class 39.

Birmingham Printing Company, Birmingham, Ala. Linotype keyboard rubber roll. Serial No. 415,320; Mar. 7. Class 23.

Bostick Brothers, Benoit, Miss. Butane and liquefied gas. Serial No. 409,342; Mar. 7. Class 6.

Branford Products Corp., New York, N. Y. Pressure type oil burners for boilers or furnaces. Serial No. 408,007; Mar. 7. Class 34.

Brown, L. L., Paper Company, Adams, Mass. Papers. Serial No. 414,214; Mar. 7. Class 37.

Bryan Davis Publishing Company, Inc., New York, N. Y. Publication devoted to television and the like. Serial No. 414,094; Mar. 7. Class 38.

Buck Bros., doing business as Waterite Seed Flat Co., Middletown, N. Y. Sub-irrigated containers for holding seeds and plants to be transplanted. Serial No. 414,589; Mar. 7. Class 2.

Burdick, Lyle W., doing business as W. J. Burdick Medicine Co., Milwaukee, Wis. Vegetable compounds for blood and nerve medicines. Serial No. 401,552; Mar. 7. Class 6.

Calcraft. (See Southwest Security Mortgage Corp.)

California and Hawaiian Sugar Refining Corporation, Limited, San Francisco, Calif. Raw and refined sugars. Serial No. 413,535; Mar. 7. Class 46.

California Citrus Juice Exchange, Incorporated, Santa Ana, Calif. Ginger ale, grape punch, root beer, etc. Serial No. 402,551; Mar. 7. Class 45.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Solvents for dyestuffs and for use in oil refining. Serial No. 414,095; Mar. 7. Class 6.

Cattaraugus Cutlery Company, Little Valley, N. Y. Household cutlery of base metal, hunting knives, etc. Serial No. 410,579; Mar. 7. Class 23.

Cave Springs Distillery Corporation, Inc., Wilder, Newport, Ky. Distilled alcoholic liquors. Serial No. 414,248; Mar. 7. Class 49.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 414,818–19; Mar. 7. Class 42.

Chain Belt Company, Milwaukee, Wis. Pipe line transportation units. Serial No. 412,024; Mar. 7. Class 13.

Chemi-Culture Company, Montebello, Calif. Fresh vegetables. Serial No. 414,435; Mar. 7. Class 46.

Clark, Geo. V., Co., Inc., Long Island City, N. Y. Metal cans. Serial No. 414,096; Mar. 7. Class 2.

Clark-Millner Co., Chicago, Ill. Lipsticks. Serial Nos. 413,976–8; Mar. 7. Class 6.

Clifton Springs Distilling Co., Wilmington, Del., and Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 401,849; Mar. 7. Class 49.

Clinical Products Limited, London, England. Medicated tablets. Serial No. 415,095; Mar. 7. Class 6.

Colloid Chemical Laboratories. (See Schuelke, Erich F. R.)

Comfortaire Corporation, Washington, D. C. Forced draft cooling and ventilating units. Serial No. 412,591; Mar. 7. Class 34.

Compania Agricola Carabayllo, Lima, Peru. Granulated sugar. Serial No. 413,763; Mar. 7. Class 46.

Continental Distilling Corporation, Philadelphia, Pa. Thermometric drink selection indicator. Serial No. 387,497; Mar. 7. Class 26.

Cooper's, Incorporated, Kenosha, Wis. Piece goods. Serial No. 413,983; Mar. 7. Class 42.

Daily Mirror, Inc., New York, N. Y. Newspaper section. Serial No. 414,626; Mar. 7. Class 38.

Dewar, Reginald E. G., Oakland, Calif. Apparatus for electrical contraction and relaxation of muscles. Serial No. 415,108; Mar. 7. Class 44.

Doho Chemical Corporation, The, New York, N. Y. Osmotherapeutic treatment of ear diseases, ear drops. Serial No. 414,185; Mar. 7. Class 6.

Doucet, New York, N. Y. Fabrics. Serial No. 413,822; Mar. 7. Class 42.

Dri-Steam Valve Sales Corporation, New York, N. Y. Steam driers and valves for locomotives. Serial No. 387,062; Mar. 7. Class 13.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Insulated copper wire and motor generators. Serial No. 413,120; Mar. 7. Class 21.

Durant Manufacturing Co., Milwaukee, Wis. Counters. Serial No. 413,625; Mar. 7. Class 26.

E. L.-Vim Mfg. Co. (See Lindon, Elvin.)

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Light sensitive photographic paper. Serial No. 414,489; Mar. 7. Class 26.

Economics Laboratory, Incorporated, St. Paul, Minn. Cleaning compound. Serial Nos. 414,868–9; Mar. 7. Class 4.

Edison, Thomas A., Incorporated, West Orange, N. J. Electronic and audio apparatus and devices. Serial No. 413,515; Mar. 7. Class 21.

Estmont Company, Vermilion, Ohio. Foundation creams, beauty creams, cream rouges, etc. Serial No. 410,691; Mar. 7. Class 6.

Euclid Candy Co. of California, Inc., San Francisco, Calif. Candy bars. Serial No. 413,900; Mar. 7. Class 46.

Fallenberg, Robert B., Los Angeles, Calif. Medicinal preparation. Serial No. 410,360; Mar. 7. Class 6.

Fan Tan Company, Inc., doing business as The Gold Star Tooth Powder Co., Chicago, Ill. Tooth powder. Serial No. 404,518; Mar. 7. Class 6.

Finch Telecommunications Laboratories, Inc., New York, N. Y. Apparatus used in facsimile and telegraph apparatus for the transmission of pictures and messages. Serial No. 388,712; Mar. 7. Class 21.

Fink, David, Chicago, Ill. Women's wearing apparel. Serial No. 413,222; Mar. 7. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Bicycles and structural parts thereof. Serial No. 401,247; Mar. 7. Class 19.

Food Dispenser Company, The, Hartford, Conn. Dispensing containers and the like. Serial No. 411,449; Mar. 7. Class 2.

Ford Motor Company, Dearborn, Mich. Passenger and commercial automobiles. Serial No. 413,761; Mar. 7. Class 19.

Franklin Tile Company, Lansdale, Pa. Wall and floor tiles, slabs, blocks, insulation for oil lines, etc. Serial No. 413,041; Mar. 7. Class 12.

Freydberg Bros., Inc., Stamford, Conn. Ribbon for tying purposes and other uses. Serial No. 410,428; Mar. 7. Class 37.

Friedstrass Co., The, New York, N. Y. Wall brushes, dust cloths, mops and mop handles, etc. Serial No. 387,322; Mar. 7. Class 29.

Fritzsche Brothers, Inc., New York, N. Y. Oil of peppermint. Serial Nos. 408,096–7; Mar. 7. Class 6.

Gargalo, Joao da C., doing business as Joao C. Gargalo, Setubal, Portugal. Preserved fish. Serial Nos. 413,858–9; Mar. 7. Class 46.

General Fireproofing Co., The, Youngstown, Ohio. Metal filing cabinets. Serial No. 415,248; Mar. 7. Class 32.

Germain, Alice M., doing business as Axilene Co., Boston, Mass. Liquid body deodorant. Serial No. 414,445; Mar. 7. Class 6.

Glass, David, & Sons Wholesale Grocers Inc., Brooklyn, N. Y. Dried prunes, beans, rice, etc. Serial No. 410,392; Mar. 7. Class 46.

Gold Star Tooth Powder Co., The. (See Fan Tan Company, Inc.)

Gooderham & Worts Limited, Detroit, Mich., and Peoria, Ill. Whiskey. Serial No. 413,632; Mar. 7. Class 49.

Graham Co., Inc., The, New York, N. Y. Unshelled nuts. Serial No. 412,181; Mar. 7. Class 46.

Granby Elastic Web Limited, The, Granby, Quebec, Canada. Wide elastic fabrics. Serial No. 413,011; Mar. 7. Class 42.

Great Lakes Steel Corporation, Ecorse, Mich. Metal framing elements for buildings. Serial No. 413,580; Mar. 7. Class 12.

Greif, L., & Bro., Inc., Baltimore, Md. Suits, topcoats, overcoats, etc. Serial No. 413,012; Mar. 7. Class 39.

Halaishyn, John, New York, N. Y. Syrups. Serial No. 412,552; Mar. 7. Class 46.

Harris, Herbert, New York, N. Y. Fabrics in the piece. Serial No. 413,183; Mar. 7. Class 42.

Harrison, Floyd Publishing Co., Inc., New York, N. Y. Magazine. Serial No. 409,520; Mar. 7. Class 38.

Hawaii Produce Assn., Honolulu, Hawaii. Fresh vegetables and fruits. Serial No. 413,634; Mar. 7. Class 46.

Haywood Publishing Company, La Fayette, Ind., and Chicago, Ill. Periodical. Serial No. 414,349; Mar. 7. Class 38.

Heating Equipment Service Company. (See Norton, Andrew F.)

Henne, Isabelle, Brooklyn, N. Y. Dental floss holders. Serial No. 414,564; Mar. 7. Class 44.

Human Relations, Inc., Chicago, Ill. Periodical. Serial No. 414,661; Mar. 7. Class 38.

Hyde Manufacturing Company, Southbridge, Mass. Putty knives and scrapers and seam rollers. Serial No. 413,126; Mar. 7. Class 23.

Independent Nail and Packing Company Inc., The, Bridgewater, Mass. Nails. Serial No. 413,948; Mar. 7. Class 13.

International Business Machines Corporation, Endicott, N. Y. Machines used to print and impress data upon coupons. Serial No. 408,314; Mar. 7. Class 23.

International Business Machines Corporation, Endicott, N. Y. Machines used to print on pay cards and on a proof tape. Serial No. 408,841; Mar. 7. Class 23.

International Radio Corporation, Ann Arbor, Mich. Combination copying stands and photographic bench. Serial No. 413,482; Mar. 7. Class 26.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. Serial No. 407,865; Mar. 7. Class 23.

Juillard, A. D., & Co., Inc., New York, N. Y. Corduroy piece goods. Serial No. 415,004; Mar. 7. Class 42.

Kahoe, Walter, Yellow Springs, Ohio. Magazine. Serial No. 413,992; Mar. 7. Class 38.

Kapp, Gene, New York, N. Y. Pens, fountain-pens, and pencils. Serial No. 414,699; Mar. 7. Class 37.

Kateb, George, Inc., New York, N. Y. Robes, negligees, house coats, etc. Serial No. 413,993; Mar. 7. Class 39.

Kellogg Company, Battle Creek, Mich. Dog food. Serial No. 402,047; Mar. 7. Class 46.

Kirshbaum-Heibraun, Inc., Chicago, Ill. Women's cloth coats and suits. Serial No. 413,717; Mar. 7. Class 39.

Knitcraft Mills. (See Southwest Security Mortgage Corp.)

Laboratoires Valdor Société à Responsabilité Limitée, Puteaux, France. Beauty products. Serial No. 412,079; Mar. 7. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Paints, varnishes, stains, etc. Serial No. 414,663; Mar. 7. Class 16.

Lawrence, Max, Inc., New York, N. Y. Piece goods with a patent leather covering. Serial No. 414,033; Mar. 7. Class 50.

Lewis, G. B., Company, Watertown, Wis. Venetian blind slats. Serial No. 414,231; Mar. 7. Class 32.

Lindon, Elvin, doing business as E. L. Vim Mfg. Co., Cincinnati, Ohio. Medical preparation. Serial No. 414,745; Mar. 7. Class 6.

Lyons, I. L., & Co., Ltd., New Orleans, La. Toothbrushes. Serial No. 415,046; Mar. 7. Class 29.

Maison Blanche Company, New Orleans, La. Men's shirts and under shirts, pajamas, etc. Serial No. 413,764; Mar. 7. Class 39.

Maison Blanche Company, New Orleans, La. Women's and men's pajamas, men's sport shirts, etc. Serial No. 413,766; Mar. 7. Class 39.

Marks, I., & Co., Inc., New York, N. Y. Ladies' and misses' cloth coats, suits, and coat and suit combinations. Serial No. 413,722; Mar. 7. Class 39.

Martin, Edward W., Chatham, N. J. Astringents, astringent cerates, beauty and bleach creams, etc. Serial No. 400,650; Mar. 7. Class 6.

Massachusetts Pharmaceutical Corporation, Lowell, Mass. Medicinal preparation. Serial No. 414,233; Mar. 7. Class 6.

Massillon-Cleveland-Akron Sign Company, The, Massillon, Ohio. Enamel advertising signs. Serial No. 414,790; Mar. 7. Class 50.

McCormick, Edward A., New York, N. Y. Infants' disposable diapers. Serial No. 413,129; Mar. 7. Class 39.

Meredith Publishing Company, Des Moines, Iowa. Magazine section. Serial No. 413,727; Mar. 7. Class 38.

Meutsch, Voigtländer & Co., vormals Gewerkschaft Wallram, Essen-Ruhr, Germany. Drawing and pressing dies, draw plates, mandrills, etc. Serial Nos. 406,595–7; Mar. 7. Class 23.

Micon, A., doing business as Atlas Bedding Company, Milwaukee, Wis. Mattresses. Serial No. 399,587; Mar. 7. Class 32.

Misenta Pine Products, Inc., Buffalo, N. Y. Cosmetics and toilet preparations. Serial No. 411,750; Mar. 7. Class 6.

Mold-to-Form Fabrics Inc., Philadelphia, Pa. Woven cotton bandages. Serial No. 414,706; Mar. 7. Class 44.

Molina, Luis F. R., Habana, Cuba. Deodorant. Serial No. 398,254; Mar. 7. Class 6.

Monarch Marking System Company, The, Dayton, Ohio. Price tags and tickets. Serial No. 414,269; Mar. 7. Class 37.

Monsanto Chemical Company, St. Louis, Mo. Metal treating agents. Serial No. 412,655; Mar. 7. Class 6.

Multifit, Inc., New York, N. Y. Hypodermic syringes. Serial No. 415,052; Mar. 7. Class 44.

National Cash Register Company, The, Dayton, Ohio. Paper and stationery. Serial No. 413,838; Mar. 7. Class 37.

Naturway Products Co. (See Schulman, Nathan.)

Nemanick, R. A., Salinas, Calif. Fresh vegetables and deciduous fruits. Serial No. 414,463; Mar. 7. Class 46.

Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses. Serial No. 414,407; Mar. 7. Class 39.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. Serial No. 414,936; Mar. 7. Class 37.

Norton, Andrew F., doing business as Heating Equipment Service Company, New Britain, Conn. Compound for removing scale, carbon and soot from the combustion side of boilers. Serial No. 412,845; Mar. 7. Class 6.

Oppenheimer, Harold, Kansas City, Mo. Automobiles and structural parts thereof. Serial No. 408,202; Mar. 7. Class 19.

Osiason, Inc., Fall River, Mass. Mattresses, box springs, and upholstered furniture. Serial No. 414,465; Mar. 7. Class 32.

Parrot Speed Fastener Corporation, New York and Long Island City, N. Y. Stapling machines, tackers and pliers. Serial No. 408,258; Mar. 7. Class 23.

Patterson, Eleanor M., doing business as Patterson Newspapers and/or Washington Herald-Times, Washington, D. C. News column and special articles. Serial No. 414,752; Mar. 7. Class 38.

Patterson-Sargent Company, The, Cleveland, Ohio. Paints, paint enamels, stains, etc. Serial No. 414,753; Mar. 7. Class 16.

Photo Utilities, Inc., New York, N. Y. Photographic goods. Serial Nos. 413,639–40; Mar. 7. Class 26.

Pioneer Manufacturing Co., The, Cleveland, Ohio. Liquid preparation for cleaning floors, walls, tile, etc. Serial No. 414,362; Mar. 7. Class 4.

Popular Science Publishing Co., Inc., New York, N. Y. Magazines. Serial No. 414,207; Mar. 7. Class 38.

Porcelain Products, Inc., Findlay and Carey, Ohio. Electrical fixtures. Serial No. 413,682; Mar. 7. Class 21.

Portage Hosiery Company, Portage, Wis. Athletic socks, hosiery, and mittens. Serial No. 405,749; Mar. 7. Class 39.

Posner, Dr. A., Shoes, Inc., New York, N. Y. Shoes. Serial No. 411,614; Mar. 7. Class 39.

Pure Drinks, Inc., Cleveland, Ohio. Beverage. Serial No. 406,851; Mar. 7. Class 45.

Raytheon Manufacturing Company, Newton, Mass. Electric current rectifiers, electric battery chargers, etc. Serial No. 412,116; Mar. 7. Class 21.

Red-Bar Battery Company, Dayton, Ohio. Electric storage batteries and battery parts. Serial No. 407,640; Mar. 7. Class 21.

Remco Blade Co. (See Ufland, Jack.)

Rifa, Bacardi y Compañia, Camaguey, Cuba. Rum. Serial No. 1294, (Inter-American Series); Mar. 7. Class 49.

Rilling-Arneo Company, Minneapolis, Minn. Permanent wave liquids and preparations. Serial No. 401,195; Mar. 7. Class 6.

Rob Roy Canning Company, Glendale, Calif. Canned fruits, vegetables, and hominy. Serial No. 414,892; Mar. 7. Class 46.

Robertson, John, & Son Limited, Leith, Scotland. Scotch whisky. Serial No. 414,832; Mar. 7. Class 49.

Roceaforte, Nicholas J., Wichita, Kans. Leaflets and pamphlets. Serial No. 414,318; Mar. 7. Class 38.

Rochester Shoe Tree Company. (See Schelter Last Co. Inc.)

Röhm & Haas Company, Philadelphia, Pa. Spreading and sticking agent. Serial No. 413,523; Mar. 7. Class 6.

Rosenfeld, Harry, Inc., New York, N. Y. Ladies' purses, handbags, and pocketbooks. Serial No. 414,604; Mar. 7. Class 3.

Rotobac, Thomas, Company, Chadbourn, N. C. Insecticide. Serial No. 414,122; Mar. 7. Class 6.

Ruppert, Jacob, New York, N. Y. Ale. Serial No. 414,044; Mar. 7. Class 48.

Savemore Markets, Inc., Jamaica, N. Y. Food products. Serial No. 414,275; Mar. 7. Class 46.

Schelter Last Co. Inc., doing business as Rochester Shoe Tree Company, Rochester, N. Y. Shoe trees. Serial No. 415,009; Mar. 7. Class 50.

Schuelke, Erich F. R., doing business as Colloid Chemical Laboratories, New York, N. Y. Chemicals, metal soaps, etc. Serial No. 397,772; Mar. 7. Class 6.

Schulman, Nathan, doing business as Naturway Products Co., Long Beach, Calif. Colon lubricating and body weight control preparation. Serial No. 413,595; Mar. 7. Class 6.

Sexton, John, & Co., Chicago, Ill. Canned and fresh frozen fruits, berries, etc. Serial No. 393,736; Mar. 7. Class 46.

Siegel, Jacob, Company, Philadelphia, Pa. Topcoats and overcoats. Serial No. 412,735; Mar. 7. Class 39.

Simplon Products Corporation, New York, N. Y. Metal brackets. Serial No. 413,597; Mar. 7. Class 13.

Smith Separator Corporation, Tulsa, Okla. Turbulence rectifiers. Serial No. 413,153; Mar. 7. Class 23.

Society of Chemical Industry in Basle, Basel, Switzerland. Coal tar colors. Serial No. 414,013; Mar. 7. Class 6.

Southwest Security Mortgage Corp., doing business as Knitcraft Mills and also as Calcraft, Los Angeles, Calif. Swim suits, sweaters, and trunks. Serial No. 414,015; Mar. 7. Class 39.

Star-Maid Dresses, Inc., New York, N. Y. Piece goods. Serial No. 404,497; Mar. 7. Class 42.

Steamaire Company. (See Allen, Carl S.)

Stone Tobacco Company, Philadelphia, Pa. Pipe tobacco. Serial No. 415,066; Mar. 7. Class 17.

Stout, Charles B., doing business as Washington Flour Mill, Memphis, Tenn. Wheat flour. Serial No. 411,254; Mar. 7. Class 46.

Stover Manufacturing & Engine Co., Freeport, Ill. Hammer mills. Serial No. 412,472; Mar. 7. Class 23.

Stroock, S., & Co. Inc., New York, N. Y. Camel's hair and wool cloth in the piece. Serial No. 414,016; Mar. 7. Class 42.

Stroock, S., & Co. Inc., New York, N. Y. Llama and wool cloth in the piece Serial No. 414,017; Mar. 7. Class 42.

Supplee-Biddle Hardware Co., Philadelphia, Pa. Display cabinets. Serial No. 415,235; Mar. 7. Class 32.

Surabian, Sam, doing business as Sam Surabian & Sons, Dinuba, Calif. Fresh grapes. Serial No. 414,475; Mar. 7. Class 46.

Susquehanna Waist Company. (See Netzky, William.)

Transparent Distributor Cap and Motor Parts Co., Scottdale, Pa. Distributor caps. Serial No. 413,844; Mar. 7. Class 21.

Turman, Alfred, New York, N. Y. Insecticide. Serial No. 411,474; Mar. 7. Class 6.

Ufland, Jack, doing business as Remco Blade Co., New York, N. Y. Razor blades. Serial No. 414,019; Mar. 7. Class 23.

Ullrich, Hans P., Philadelphia, Pa. Preparation to be used in conjunction with wound dressings, also douches or as a gargle. Serial No. 412,120; Mar. 7. Class 6.

U. S. Industrial Chemicals, Inc., New York, N. Y. Antifreeze. Serial No. 415,197; Mar. 7. Class 6.

United States Rubber Company, New York, N. Y. Mattresses or cushions of foamed rubber. Serial No. 414,714; Mar. 7. Class 32.

Violet, J. & S., Freres, Thuir, France. Wine. Serial No. 410,758; Mar. 7. Class 47.

Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Meat loaves. Serial No. 414,929; Mar. 7. Class 46.

Walgreen Co., Chicago, Ill. Golf balls. Serial No. 414,607; Mar. 7. Class 22.

Washington Flour Mill. (See Stout, Charles B.)

Washington Herald-Times. (See Patterson, Eleanor M.)

Waterite Seed Flat Co. (See Buck Bros.)

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metallic electrodes for welding machines. Serial No. 409,221; Mar. 7. Class 14.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Journal bearings. Serial No. 413,574; Mar. 7. Class 23.

Williams, J. B., Company, The, Glastonbury, Conn. Fact and intelligence test publications. Serial No. 406,005; Mar. 7. Class 38.

Winthrop Chemical Company, Inc., New York, N. Y. Preparation to be used in the treatment of piroplasmosis, theileriasis and other protozoal diseases. Serial No. 413,167; Mar. 7. Class 6.

Worcester Salt Company, New York, N. Y. Tooth paste. Serial No. 412,621; Mar. 7. Class 6.

Wrought Iron Range Company, St. Louis, Mo. Ranges. Serial No. 412,787; Mar. 7. Class 34.

Zimray, Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 413,376; Mar. 7. Class 39.

Zip Abrazive Company, The, Cleveland, Ohio. Carbon removing compound. Serial No. 413,531; Mar. 7. Class 6.

Zip Abrazive Company, The, Cleveland, Ohio. Liquid level gauges. Serial No. 414,585; Mar. 7. Class 26.

Zraick, Fouad A., doing business as F. A. Zraick & Co., Brooklyn, N. Y. Salve for piles. Serial No. 404,621; Mar. 7. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Manufacturing Company, Detroit, Mich. Polishing and buffing machines. 365,391; Mar. 7; Serial No. 411,144; published Dec. 27, 1938. Class 23.

Acme Pie Co., of Cleveland, Ohio, The, Cleveland, Ohio. Toasted pies. 365,475; Mar. 7; Serial No. 412,484; published Dec. 27, 1938. Class 46.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 365,406; Mar. 7; Serial No. 411,356; published Dec. 20, 1938. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. 365,407–8; Mar. 7; Serial Nos. 411,358–9; published Dec. 20, 1938. Class 39.

Altmann, Bernhard, Vienna, Austria. Socks and stockings, and shawls. 365,296; Mar. 7; Serial No. 390,885; published Dec. 20, 1938. Class 39.

American Bleached Goods Company, assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 125,380; renewed May 20, 1939.

American Bosch Corporation, Springfield, Mass. Fuel injection equipment and parts thereof. 365,409; Mar. 7; Serial No. 411,361; published Dec. 27, 1938. Class 23.

American Chemical Paint Company, Ambler, Pa. Chemicals. 365,331; Mar. 7; Serial No. 407,255; published Dec. 20, 1938. Class 6.

American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 365,490; Mar. 7. Class 40.

American Neckwear Mfg. Co. (See Morrison, Jacob S.)

American Pharmaceutical Company, Inc., New York, N. Y. Medical preparations. 365,379; Mar. 7; Serial No. 410,943; published Dec. 20, 1938. Class 6.

American Polytect Corporation, New York, N. Y. Paints. 365,380; Mar. 7; Serial No. 410,944; published Dec. 27, 1938. Class 16.

American Textiles Inc. (See World's Star Knitting Company.)

Aspitone Co., Atlanta, Ga., to Piedmont Laboratories, Clinton, S. C., successor. Medicinal tablet. 124,362; renewed Feb. 11, 1939.

Aurora Corset Company, Aurora, Ill. Corsets, girdles, bandeaux, etc. 365,517; Mar. 7. Class 39.

Barr Products Company, San Francisco, Calif. Attachments for containers for measuring and dispensing liquids therefrom. 365,374; Mar. 7; Serial No. 410,823; published Dec. 27, 1938. Class 26.

Barton Chemical Co. (See Bartos, Vincent B.)

Bartos, Vincent B., doing business as Barton Chemical Co., Chicago, Ill. Liquid solution for bleaching, deodorizing, and disinfecting clothes, etc. 365,435; Mar. 7; Serial No. 411,851; published Dec. 13, 1938. Class 6.

Beautalure, Inc., Wilmington, Del. Hair tonic. 365,392; Mar. 7; Serial No. 411,149; published Dec. 13, 1938. Class 6.

Beeman, George W., doing business as Beeman & Company, Detroit, Mich. Oily preparation to prevent sunburn and aid an even tan. 365,334; Mar. 7; Serial No. 408,185; published Dec. 13, 1938. Class 6.

Beck, A. S., Shoe Corporation, New York, N. Y. Shoes and slippers. 365,306; Mar. 7; Serial No. 398,833; published Nov. 29, 1938. Class 39.

Ben-Burk, Inc., Boston, Mass. Whiskey. 365,486; Mar. 7. Class 49.

Berst-Forster-Dixfield Company, Dixfield, Maine, and New York, N. Y. Sanitary tongue blades. 365,465; Mar. 7; Serial No. 412,284; published Dec. 27, 1938. Class 44.

Best & Co. Inc., New York, N. Y. Misses' and girls' hats. 365,383; Mar. 7; Serial No. 410,984; published Nov. 29, 1938. Class 39.

Best Ever Knitting Mills. (See Hertzberger, Emanuel.)

Bestov Products, Inc., New York, N. Y. Beer. 365,315; Mar. 7; Serial No. 402,589; published Dec. 27, 1938. Class 48.

Bestov Products, Inc., New York, N. Y. Malt chocolate mixture in powder form. 365,294; Mar. 7; Serial No. 382,903; published Nov. 10, 1936. Class 46.

Betty Anne Bag Company, Newburgh, N. Y. Handbags. 365,417; Mar. 7; Serial No. 411,487; published Dec. 27, 1938. Class 3.

Blackinton, R., & Co., North Attleboro, Mass. Silverware. 365,488; Mar. 7. Class 28.

Blossom Products Corporation, Allentown, Pa. Polo shirts, bloomers, panties, etc. 365,518; Mar. 7. Class 39.

Bollman, Geo. W., & Co., Adamstown, Pa. Men's and boys' hats. 365,304; Mar. 7; Serial No. 398,704; published Dec. 13, 1938. Class 39.

Bonwit Teller, Inc., New York, N. Y. Hats, coats, suits, dresses, etc. 365,485; Mar. 7. Class 39.

Borden's Farm Products Company, Inc., Wassaic and New York, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Butter. 124,952; renewed Apr. 1, 1939.

Borden's Condensed Milk Company, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Dried or desiccated milk. 125,022; renewed Apr. 8, 1939.

Borden's Condensed Milk Company, New York, N. Y., now by change of name to The Borden Company. Chocolate coatings. 125,718; renewed June 10, 1939.

Botany Worsted Mills, Passaic, N. J. Neckties. 365,456; Mar. 7; Serial No. 412,075; published Dec. 27, 1938. Class 39.

Brad-Jo Company, Oakland, Calif. Hair tonic and scalp treating products. 365,354; Mar. 7; Serial No. 409,907; published Dec. 20, 1938. Class 6.

Brickner & Bernfeld, Inc., New York, N. Y. Fur skins. 365,349; Mar. 7; Serial No. 409,764; published Dec. 27, 1938. Class 1.

British Pens Limited. (See Hinks Wells & Co., assignor.)

Brown, Clarence S., & Company, Inc., New York, N. Y. Cotton piece goods. 365,501; Mar. 7. Class 42.

Brown, M. Stanley, New York, N. Y. Textile fabrics. 365,513; Mar. 7. Class 42.

Bulova Watch Company, Inc., New York, N. Y. Watches. 365,454–5; Mar. 7; Serial Nos. 412,073–4; published Dec. 27, 1938. Class 27.

Bunyan, Paul, Inc., St. Paul, Minn. Board games. 365,416; Mar. 7; Serial No. 411,465; published Dec. 27, 1938. Class 22.

Burt Tank, Separator & Oil Treating Corp., Wichita Falls, Tex. Oil and water separators and oil treating tanks. 365,514; Mar. 7. Class 23.

C. S. O. Laboratories, Dallas, Tex. Medicinal emulsion. 365,342; Mar. 7; Serial No. 409,160; published Dec. 20, 1938. Class 6.

Can Do Company. (See Finley, Lois.)

Cardinal Parfums, Inc., New York, N. Y. Toilet water, perfumes, and cologne. 365,428; Mar. 7; Serial No. 411,869; published Dec. 13, 1938. Class 6.

Caradine Hat Company, St. Louis, Mo. Hats. 365,410; Mar. 7; Serial No. 411,368; published Dec. 6, 1938. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. 365,429–32; Mar. 7; Serial Nos. 411,819–22; published Dec. 27, 1938. Class 42.

Cellular Clothing Company Limited, London, England. Piece goods. 124,509; renewed Feb. 25, 1939.

Cellular Clothing Company Limited, London, England. Clothing for men. 124,674; renewed Mar. 11, 1939.

Charles of the Ritz, Inc., New York, N. Y. Toilet creams. 365,361; Mar. 7; Serial No. 410,190; published Dec. 20, 1938. Class 6.

Chatfield, Charles B., assignor to The Chatfield-Clarke Company, Woodbury, Conn. Marking boards and crayons. 365,399; Mar. 7; Serial No. 411,266; published Dec. 27, 1938. Class 22.

Chex Laboratories Company, Des Moines, Iowa. Tooth powders and tooth paste. 365,316; Mar. 7; Serial No. 402,719; published July 26, 1938. Class 6.

Chicopee Sales Corporation, New York, N. Y. Textile diapers. 365,359; Mar. 7; Serial No. 410,132; published Dec. 6, 1938. Class 39.

Chisholm-Moore Hoist Corp., Tonawanda, N. Y. Hoists. 365,402; Mar. 7; Serial No. 411,267; published Dec. 27, 1938. Class 23.

Coburn Trolley Track Company, Holyoke, Mass. Hardware. 365,498; Mar. 7. Class 13.

Coffman, Harry J., Los Angeles, Calif. Maltless soft drinks, and flavoring syrups therefor. 365,400; Mar. 7; Serial No. 411,268; published Dec. 27, 1938. Class 45.

Columbia Fastener Company, Chicago, Ill. Dress-fasteners. 124,821; renewed Mar. 18, 1939.

Conduit Fittings Corporation, Chicago, Ill. Conduit fittings, couplings, bushings, straps, etc. 365,386; Mar. 7; Serial No. 411,047; published Dec. 27, 1938. Class 21.

Cooper Underwear Company, assignor, by mesne assignments, to Cooper's Incorporated, Kenosha, Wis. Clothing. 125,795; renewed June 17, 1939.

Coty, Inc., New York, N. Y. Powder, toilet water, perfume, etc. 365,458; Mar. 7; Serial No. 412,084; published Dec. 20, 1938. Class 6.

Coty, Inc., New York, N. Y. Rouge compacts, powder compacts, lipsticks, etc. 365,457; Mar. 7; Serial No. 412,083; published Dec. 13, 1938. Class 6.

Crompton Company, West Warwick, R. I., assignor to Crompton Company. Textile fabrics. 365,343; Mar. 7; Serial No. 409,261; published Dec. 27, 1938. Class 42.

Dant & Head Distilling Company, Louisville and Gethsemane, Ky. Whiskey. 365,436; Mar. 7; Serial No. 411,868; published Dec. 27, 1938. Class 49.

Dailey's Style Shop, Inc., New York, N. Y. Shoes, stockings, socks, etc. 365,483; Mar. 7. Class 39.

Dainty Maid Brassiere Mfg. Company, New York, N. Y. Brassières. 365,332; Mar. 7; Serial No. 407,944; published Dec. 6, 1938. Class 39.

Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Tires, V-belts, fan belts, etc. 365,338; Mar. 7; Serial No. 408,993; published Dec. 27, 1938. Class 35.

De St. Dalmas, A., & Co. Ltd., Leicester, England. Medicated jellies. 365,376; Mar. 7; Serial No. 410,901; published Dec. 20, 1938. Class 6.

De Walt Products Corporation, Lancaster, Pa. Woodworking machines. 365,510; Mar. 7. Class 23.

De Woody Manufacturing Company, Pine Bluff, Ark. Ointment. 365,398; Mar. 7; Serial No. 411,260; published Dec. 13, 1938. Class 6.

Diamond Alkali Company, Pittsburgh, Pa. Carbon tetrachloride. 365,394; Mar. 7; Serial No. 411,216; published Dec. 20, 1938. Class 6.

Dietzgen, Eugene, Co., Chicago, Ill. Drafting instruments. 365,293; Mar. 7; Serial No. 378,429; published Oct. 27, 1936. Class 26.

Domino Citrus Association, Inc., Bradenton, Fla. Fresh citrus fruits. 365,466; Mar. 7; Serial No. 412,333; published Dec. 27, 1938. Class 46.

Dow Chemical Company, The, Midland, Mich. Thread and yarn. 365,309; Mar. 7; Serial No. 399,956; published Dec. 20, 1938. Class 43.

Durable Blade Company. (See Kaplan, Albert A.)

Durakool, Inc., Elkhart, Ind. Electric switches, switch cases, and parts thereof. 365,484; Mar. 7. Class 21.

Eavestaff, W. G., & Sons Limited, London, England. Pianos. 365,303; Mar. 7; Serial No. 398,426; published Dec. 27, 1938. Class 36.

Eclipse Knitting Mills Inc., East Newark, N. J. Wearing apparel. 365,357; Mar. 7; Serial No. 410,072; published Dec. 6, 1938. Class 39.

Electro Products Company. (See Stewart, Patterson O.)

Elwell-Parker Electric Company, The, Cleveland, Ohio. Automobile-trucks. 124,447; renewed Feb. 18, 1939.

Ely & Walker Dry Goods Company, St. Louis, Mo. Foot balls, soccer balls, basket balls, etc. 365,419; Mar. 7; Serial No. 411,526; published Dec. 27, 1938. Class 22.

Emerson, Isaac E., assignor to The Emerson Drug Company of Baltimore City, Baltimore, Md. Granular effervescent salt. 16,599; re-renewed May 21, 1939.

Esmond Mills, The, New York, N. Y. Blankets. 365,422; Mar. 7; Serial No. 411,631; published Dec. 27, 1938. Class 42.

Fairbanks, Morse & Co., Chicago, Ill. Tractors. 124,302; renewed Feb. 4, 1939.

Fashion-Bilt Shoe Company, Pontiac, Ill. Shoes, boots and rubbers. 365,477; Mar. 7. Class 39.

Fay-Miss Brassiere Co., Inc., New York, N. Y. Brassières, bandeaus, corsets, etc. 365,362; Mar. 7; Serial No. 410,218; published Dec. 6, 1938. Class 39.

Felton Chemical Company, Inc., Brooklyn, N. Y. Imitation vanilla concentrate. 365,471; Mar. 7; Serial No. 412,443; published Dec. 27, 1938. Class 46.

Finley, Lois, doing business as Can Do Company, Kansas City, Mo. Nasal jelly. 365,355; Mar. 7; Serial No. 409,995; published Dec. 13, 1938. Class 6.

Fletcher, Ruth A., doing business as Maison Adèle, Watertown, Mass. Liquid adherent to be applied to the face. 365,388; Mar. 7; Serial No. 411,068; published Dec. 13, 1938. Class 6.

Food Dispenser Company, The. (See Whitehall Import & Export Co., Inc., assignor.)

Franco Corset Company, New York, N. Y. Corsets. 365,340; Mar. 7; Serial No. 409,091; published Dec. 6, 1938. Class 39.

Franklin Simon & Co., Inc., New York, N. Y. Coats and dresses. 365,489; Mar. 7. Class 39.

Furniture Merchandising Institute, Chicago, Ill. Household furniture. 365,322; Mar. 7; Serial No. 404,982; published Dec. 27, 1938. Class 32.

Gelman, Joseph, assignor to Gould, Inc., Pittsburgh, Pa. Hair ointment and reconditioner. 365,433; Mar. 7; Serial No. 411,831; published Dec. 13, 1938. Class 6.

General Mills, Inc., Minneapolis, Minn. Flour. 365,298; Mar. 7; Serial No. 395,475; published Feb. 1, 1938. Class 46.

General Mills, Inc., Minneapolis, Minn. Stock food. 365,414–15; Mar. 7; Serial Nos. 411,450–1; published Dec. 27, 1938. Class 46.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 365,418; Mar. 7; Serial No. 411,496; published Dec. 6, 1938. Class 39.

Givens, Dee R., doing business as Givens & Co., Western Springs, Ill. Baby pads in the nature of posterior aprons. 365,341; Mar. 7; Serial No. 409,094; published Dec. 27, 1938. Class 39.

Golden Rule, The, St. Paul, Minn. Boys' clothing. 365,494; Mar. 7. Class 39.

Goldsmith Bros., New York, N. Y. Tooth paste and powder, styptic pencils, toilet water, etc. 365,384; Mar. 7; Serial No. 410,991; published Dec. 13, 1938. Class 6.

Goldwaters Mercantile Co., Phoenix, Ariz. Dresses, frocks, blouses, etc. 365,335; Mar. 7; Serial No. 408,486; published Nov. 29, 1938. Class 39.

Gordon, Benjamin, New York, N. Y. Razor blades. 365,460; Mar. 7; Serial No. 412,134; published Dec. 27, 1938. Class 23.

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. 365,310; Mar. 7; Serial No. 399,961; published Dec. 6, 1938. Class 1.

Götz, Jan, Okocimski Browar i Zakłady Przemysłowe S. A., Okocim, Poland. Beers. 365,479; Mar. 7. Class 48.

Gould, Inc. (See Gelman, Joseph, assignor.)

Graduate School of Banking, The, New York, N. Y. Badges, pendants, emblems, etc. 365,312; Mar. 7; Serial No. 401,110; published Feb. 15, 1938. Class 38.

Grandberg Bros. Wall Paper Co., Boston, Mass. Wall paper. 365,470; Mar. 7; Serial No. 412,376; published Dec. 27, 1938. Class 37.

Grant, W. T., Company, New York, N. Y. Women's slippers. 365,420; Mar. 7; Serial No. 411,574; published Dec. 20, 1938. Class 39.

Guilbeau, Leo, Sunset, La. Sweet potatoes. 365,377; Mar. 7; Serial No. 410,905; published Dec. 27, 1938. Class 46.

Gwaltney, P. D., Jr, & Co. Inc., Smithfield, Va. Smoked hams. 365,405; Mar. 7; Serial No. 411,334; published Dec. 27, 1938. Class 46.

Haas, Charles F., doing business as Midwest Laboratories, Cleveland, Ohio. Jell used for feminine hygiene. 365,328; Mar. 7; Serial No. 405,845; published Dec. 13, 1938. Class 6.

Hagerstown Rubber Company, The, Hagerstown, Md. Rubber heels and soles. 365,401; Mar. 7; Serial No. 411,272; published Nov. 29, 1938. Class 39.

Hamilton, Alexander, Institute, New York, N. Y. Publications. 125,948; renewed July 22, 1939.

Hall Remedy Co., Tampa, Fla. Medicines. 365,323; Mar. 7; Serial No. 405,020; published Dec. 20, 1938. Class 6.

Harris, Roy L., doing business as R. L. Harris Company, Omaha, Nebr. Preparation for use in treating intestinal derangements, poultry conditioner, etc. 365,333; Mar. 7; Serial No. 408,161; published Nov. 15, 1938. Class 6.

Healthwin Packing Company, Napoleon, Ohio. Dog food. 365,461; Mar. 7; Serial No. 412,137; published Dec. 27, 1938. Class 46.

Hebrew National Kosher Sausage Company, Inc., New York, N. Y. Bologna, salami, corned beef, etc. 365,358; Mar. 7; Serial No. 410,109; published Dec. 27, 1938. Class 46.

Heineman, Ruth T., Cincinnati, Ohio. Plaques of ceramic material. 365,364; Mar. 7; Serial No. 410,363; published Dec. 27, 1938. Class 50.

Herr, Vincent A., doing business as Smok-O-Luxe Mfr's., Collinsville, Ill. Ash trays and holders for cigars and cigarettes. 365,467; Mar. 7; Serial No. 412,338; published Dec. 27, 1938. Class 8.

Hertzberger, Emanuel, doing business as Best Ever Knitting Mills, New York, N. Y. Scarfs, hats, caps, etc. 365,507; Mar. 7. Class 39.

Hinks Wells & Co., assignor to British Pens Limited, Birmingham, England. Stylographic and fountain pens and pen-points. 124,455; renewed Feb. 18, 1939.

Hockswender, Bernard H., Pittsburgh, Pa., doing business as B. H. Hockswender and Associates. Savings banks and like small portable currency containers. 365,356; Mar. 7; Serial No. 409,997; published Dec. 27, 1938. Class 25.

Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. 365,426; Mar. 7; Serial No. 411,778; published Dec. 20, 1938. Class 6.

Holden, John, W. W., Providence, R. I. Thread and yarn. 365,413; Mar. 7; Serial No. 411,414; published Dec. 13, 1938. Class 43.

Hollister Canning Company, Inc., Hollister, Calif. Canned fruits. 365,502; Mar. 7. Class 46.

Home Drug Company, Chicago, Ill. Medicine. 365,326; Mar. 7; Serial No. 405,647; published June 14, 1938. Class 6.

Hopkins, J. L., & Co., New York, N. Y. Extract white pine compound. 125,448; renewed May 20, 1939.

Houghton, E. F., & Co., Philadelphia, Pa. Oil and grease resistant compound for paper. 365,387; Mar. 7; Serial No. 411,054; published Dec. 13, 1938. Class 6.

Houston Packing Company, Houston, Tex. Dog food. 365,307; Mar. 7; Serial No. 399,662; published Dec. 27, 1938. Class 46.

Hudson, J. L., Company, The, Detroit, Mich. Women's and misses' coats and suits. 365,499; Mar. 7. Class 39.

Hunter, Celeste L., doing business as C. L. Hunter, Marrero, La. Skin tonic. 365,434; Mar. 7; Serial No. 411,833; published Dec. 13, 1938. Class 6.

International Lubricant Corporation, Southport, La. Aluminum stearate compounds. 365,367; Mar. 7; Serial No. 410,398; published Dec. 20, 1938. Class 6.

International Milling Company, New Prague, assignor to International Milling Company, Minneapolis, Minn. Flour, cornmeal, and rolled oats. 125,057; renewed Apr. 8, 1939.

Ivano Inc., Chicago, Ill. Preparation to clean, preserve, and beautify automobiles, etc. 365,365–6; Mar. 7; Serial Nos. 410,395–6; published Dec. 27, 1938. Class 16.

Jame-Wolf Co., Terre Haute, Ind. Wearing apparel. 365,311; Mar. 7; Serial No. 400,112; published Dec. 20, 1938. Class 39.

Jones, Warren W., Pittsburgh, Pa. Medical preparation. 365,360; Mar. 7; Serial No. 410,183; published Dec. 20, 1938. Class 6.

Juilliard, A. D., & Co., Inc., New York, N. Y. Woolen goods. 365,468; Mar. 7; Serial No. 412,343; published Dec. 27, 1938. Class 42.

J. V. & Co. (See Vrydaghs, Emile.)

Kane Products, Inc., The, Shelton, Conn. Internal combustion engine detonation suppressor. 365,321; Mar. 7; Serial No. 404,812; published Dec. 27, 1938. Class 23.

Kaplan, Albert A., doing business as Durable Blade Company, New York, N. Y. Razor blades. 365,462; Mar. 7; Serial No. 412,144; published Dec. 27, 1938. Class 23.

Kearney, James R., Corporation, St. Louis, Mo. Electrical drop wire attaching clamps. 365,493; Mar. 7. Class 21.

Keil, Albert T., Mars, Pa. Hay fever and rose cold preparations. 365,403; Mar. 7; Serial No. 411,299; published Dec. 20, 1938. Class 6.

Kelser, James R., Inc., assignor, by mesne assignments, to Kelser Cravats, Inc., New York, N. Y. Men's cravats. 126,026; renewed July 22, 1939.

Kimberly-Clark Corporation, Neenah, Wis. Book and printing papers. 365,463; Mar. 7; Serial No. 412,145; published Dec. 27, 1938. Class 37.

Kippy Products Company. (See Pfeffer, Edward J.)

Kirschbaum, Michael H., Sioux City, Iowa. Face-cream. 126,175; renewed July 29, 1939.

Kleinman, Louis, Brooklyn, N. Y. Sweatbands for hats. 365,344; Mar. 7; Serial No. 409,402; published Dec. 20, 1938. Class 39.

Knott, Wm. T., Company, Inc., New York, N. Y. Towels. 365,411; Mar. 7; Serial No. 411,379; published Dec. 27, 1938. Class 42.

Kohen-Ligon-Folz, Inc., Dallas, Tex. Coats, suits, and dresses. 365,496; Mar. 7. Class 39.

Koppitz Melchers, Inc., Detroit, Mich. Beer. 365,324; Mar. 7; Serial No. 405,024; published Dec. 27, 1938. Class 48.

Kresge Department Store, assignor to S. S. Kresge, trading as Kresge Department Store, Newark, Newark, N. J., and elsewhere. Bathing suits. 365,481; Mar. 7. Class 39.

Lamm Brothers, Incorporated, Baltimore, Md. Sport coats, suits, topcoats, etc. 365,509; Mar. 7. Class 39.

Lane Brothers Company, Boston, Mass. Shoes. 365,357; Mar. 7; Serial No. 408,925; published Dec. 6, 1938. Class 39.

Lerner, Leopold, New York, N. Y. Neckties and cravats. 365,370; Mar. 7; Serial No. 410,548; published Dec. 27, 1938. Class 39.

Lewis & Efron, New York, N. Y. Hats and bandanas. 365,381; Mar. 7; Serial No. 410,960; published Dec. 27, 1938. Class 39.

London Dry Ginger Ale Co. Inc., Wilmington, Del. Beverages, and for syrups, extracts, and concentrates used in making the same. 365,506; Mar. 7. Class 45.

Lucky Chemical Laboratory Inc., Kearny, N. J. Shoe cleaner. 365,437; Mar. 7; Serial No. 411,875; published Dec. 27, 1938. Class 4.

Mackintosh, John, & Sons, Ltd. Inc., Boston, Mass. Candy. 365,449; Mar. 7; Serial No. 412,001; published Dec. 27, 1938. Class 46.

Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 365,453; Mar. 7; Serial No. 412,066; published Dec. 20, 1938. Class 39.

Maison Adèle. (See Fletcher, Ruth A.)

Mayfair Togs, Inc., New York, N. Y. Girls' and misses' snow suits, ski suits and pants, jackets, etc. 365,302; Mar. 7; Serial No. 397,813; published Dec. 6, 1938. Class 39.

Marks, L. V., & Sons Company, The, Cincinnati, Ohio. Women's shoes. 365,450–1; Mar. 7; Serial Nos. 412,037–8; published Dec. 20, 1938. Class 39.

May Department Stores Co., The, New York, N. Y.; Akron, Ohio; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; Denver, Colo.; and St. Louis, Mo. Suits, hats, and caps. 365,363; Mar. 7; Serial No. 410,298; published Dec. 13, 1938. Class 39.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. 365,438; Mar. 7; Serial No. 411,877; published Dec. 27, 1938. Class 2.

McGraw Electric Company, Chicago, Ill. Receptacles for household use. 365,439; Mar. 7; Serial No. 411,883; published Dec. 27, 1938. Class 2.

McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Razor blades. 365,464; Mar. 7; Serial No. 412,148; published Dec. 27, 1938. Class 23.

McKesson & Robbins, Incorporated, Fairfield, Conn. Whiskey. 365,299; Mar. 7; Serial No. 395,585; published Jan. 18, 1938. Class 49.

Medbury & Carroll, Inc., New York, N. Y. Men's hats. 365,504; Mar. 7. Class 39.

Merck & Co. Inc., Rahway, N. J. Medicinal preparations. 365,425; Mar. 7; Serial No. 411,748; published Dec. 20, 1938. Class 6.

Merkel & Kienlin, G. m. b. H., Esslingen-Neckar, Germany. Yarns. 365,330; Mar. 7; Serial No. 406,933; published Dec. 20, 1938. Class 43.

Midwest Laboratories. (See Haas, Charles F.)

Minor, P. W., & Son, Inc., Batavia, N. Y. Shoes. 365,495; Mar. 7. Class 39.

Modern Drugs, Incorporated. (See Myers Remedy Company.)

Monsanto Chemical Company, St. Louis, Mo. Phosphate compositions. 365,395; Mar. 7; Serial No. 411,233; published Dec. 13, 1938. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Plastic compositions. 365,396; Mar. 7; Serial No. 411,234; published Dec. 27, 1938. Class 50.

Morell Novelty Company, Inc., New York, N. Y. Yarn. 365,424; Mar. 7; Serial No. 411,701; published Dec. 20, 1938. Class 43.

Morrison, Jacob S., doing business as American Neckwear Mfg. Co., Chicago, Ill. Neckties. 365,297; Mar. 7; Serial No. 393,499; published Sept. 14, 1937. Class 39.

Moser Paper Company, Chicago, Ill. Paper and stationery. 126,041; renewed July 22, 1939.

Music, Leonard, New York, N. Y. Astringents, astringent cerates, beauty creams, etc. 365,423; Mar. 7; Serial No. 411,648; published Dec. 13, 1938. Class 6.
Myers, Harold C., doing business as E. B. Myers Co., Los Angeles, Calif. Aprons, and sport clothes for women and children. 365,325; Mar. 7; Serial No. 405,609; published Nov. 29, 1938. Class 39.
Myers Remedy Company, Philippi, W. Va., now by change of name to Modern Drugs, Incorporated. Ointment. 124,330; renewed Feb. 4, 1939.
National Electric Products Corporation, Pittsburgh, Pa. Electrical duct and fittings for surface wiring systems. 365,319; Mar. 7; Serial No. 403,958; published Dec. 27, 1938. Class 21.
National NuGrape Co., Atlanta, Ga. Beverages, and syrups, extracts, and flavors used in making the same. 365,492; Mar. 7. Class 45.
Norvic Company, The. (See Norwich Crape Company 1856 Limited, The, assignor.)
Norwich Crape Company 1856 Limited, The, Norwich, England, assignor, by mesne assignments, to The Norvic Company, Lowell, Mass. Crape bandages. 124,867; renewed Mar. 18, 1939.
Nusbaum, Herbert F., New York, N. Y. Irradiated and ozonated solid and liquid petrolatum. 365,295; Mar. 7; Serial No. 389,761; published May 11, 1937. Class 6.
O'Donnell Shoe Company, St. Paul, Minn., and Humboldt, Tenn. Shoes. 365,372; Mar. 7; Serial No. 410,746; published Dec. 27, 1938. Class 39.
Oneida Paper Products, Inc., New York, N. Y. Bags. 365,314; Mar. 7; Serial No. 401,942; published Dec. 27, 1938. Class 2.
Oswego Shade Cloth Company, Oswego, N. Y. Shade-cloth. 124,573; renewed Feb. 25, 1939.
Oxford Products Company, Beverly Hills, Calif. Photographic film developing, fixing, and hardening solutions. 365,393; Mar. 7; Serial No. 411,179; published Dec. 13, 1938. Class 6.
Pacific Citrus Products Co., Ltd., Fullerton, Calif. Flavoring extracts. 365,503; Mar. 7. Class 45.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. 365,385; Mar 7; Serial No. 411,036; published Dec. 27, 1938. Class 22.
Parker Rust-Proof Company, Detroit, Mich. Chemicals. 365,390; Mar. 7; Serial No. 411,134; published Dec. 13, 1938. Class 6.
Pearsall, B. S., Butter Co., Elgin, Ill. Cottage cheese, mayonnaise, sandwich spread, etc. 365,480; Mar. 7. Class 46.
Pendragon, not incorporated, Chicago, Ill. Cold cream. 365,313; Mar. 7; Serial No. 401,799; published Dec. 13, 1938. Class 6.
Pfeffer, Edward J., doing business as Kippy Products Company, Chicago, Ill. Hair nets. 365,382; Mar. 7; Serial No. 410,966; published Dec. 6, 1938. Class 39.
Pick Manufacturing Company, West Bend, Wis. Oil filters. 365,515; Mar. 7. Class 31.
Piedmont Laboratories. (See Aspitone Co.)
Pincus & Tobias, Inc., New York, N. Y. Ladies' shoes. 365,482; Mar. 7. Class 39.
Pollak, Henry, Inc., New York, N. Y. Hat bodies for women's and children's hats. 365,491; Mar. 7. Class 39.
Porter, Henry K., Brookline and Everett, assignor to H. K. Porter, Inc., Everett, Mass. Bolt and rivet clippers. 126,195; renewed July 29, 1939.
Portis Bros. Hat Co., Chicago, Ill. Hats and caps. 365,373; Mar. 7; Serial No. 410,748; published Dec. 27, 1938. Class 39.
Posner, Dr. A., Shoes, Inc., New York, N. Y. Shoes. 365,512; Mar. 7. Class 39.
Prince Castles, Naperville, Ill. Ice cream, ices, and malted milk. 365,305; Mar. 7; Serial No. 398,791; published Dec. 27, 1938. Class 46.
Protex Products Company, Jersey City, N. J. Bags and electric appliance covers. 365,353; Mar. 7; Serial No. 409,890; published Dec. 27, 1938. Class 2.
Pullman, Dave, Akron, Ohio. Razor blades. 365,375; Mar. 7; Serial No. 410,846; published Dec. 27, 1938. Class 23.
Quality Glove Corporation, New York, N. Y. Fabric gloves. 365,318; Mar. 7; Serial No. 403,614; published Dec. 6, 1938. Class 39.
Quick-Seal Company, The. (See Sticelber, Merlin A.)
Racine Shoe Manufacturing Company, Racine, Wis. Shoes. 365,397; Mar. 7; Serial No. 411,246; published Nov. 29, 1938. Class 39.
Racine Shoe Manufacturing Company, Racine, Wis. Shoes. 365,487; Mar. 7. Class 39.
Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. 365,352; Mar. 7; Serial No. 409,821; published Nov. 8, 1938. Class 6.
Rio Grande Valley Citrus Growers Association, Mercedes, Tex. Fresh citrus fruit. 365,320; Mar. 7; Serial No. 404,231; published Dec. 27, 1938. Class 46.
Robbins, Morris B., New York, N. Y. Curtains and draperies. 365,347; Mar. 7; Serial No. 409,746; published Dec. 27, 1938. Class 42.
Roberts, Thomas, & Co., Philadelphia, Pa. Canned grapefruit. 365,505; Mar. 7. Class 46.
Robin, Jules, Société Anonyme, Cognac, France. Cognac brandy. 365,469; Mar. 7; Serial No. 412,360; published Dec. 27, 1938. Class 49.
Roche-Organon, Inc., Nutley, N. J. Medical preparation. 365,440; Mar. 7; Serial No. 411,899; published Dec. 13, 1938. Class 6.
Roche-Organon, Inc., Nutley, N. J. Medical preparation. 365,441–7; Mar. 7; Serial Nos. 411,900–6; published Dec. 20, 1938. Class 6.
Rosen, Harvey, Brooklyn, N. Y. Shoes. 365,427; Mar. 7; Serial No. 411,797; published Dec. 20, 1938. Class 39.
Russell, Burdsall & Ward Bolt and Nut Co., Port Chester, N. Y. Bolts, nuts, rivets, and metal washers. 126,202; renewed July 29, 1939.
Schwab, David E., & Co., New York, N. Y. Handkerchiefs. 365,348; Mar. 7; Serial No. 409,491; published Dec. 6, 1938. Class 39.
Seymour & Peck Co., Chicago, Ill. Foundry riddles and sieves. 365,497; Mar. 7. Class 23.
Silberbergs, Inc., Niagara Falls, N. Y. Suits and overcoats, topcoats, etc. 365,301; Mar. 7; Serial No. 397,055; published Jan. 4, 1938. Class 39.
Smok-O-Luxe Mfr's. (See Herr, Vincent A.)
Società Anonima Angelo Parodi fu Bmeo, Genoa, Italy. Canned fish. 365,369; Mar. 7; Serial No. 402,488; published Dec. 27, 1938. Class 46.
Societe d'Electrochimie, d'Electrometallurgie et des Acieres Electriques d'Ugine, Paris, France. Aluminous abrasives. 365,345; Mar. 7; Serial No. 409,443; published Dec. 27, 1938. Class 4.
Southern Handkerchief Mfg. Co., Greenville, S. C. Handkerchiefs. 365,378; Mar. 7; Serial No. 410,934; published Dec. 20, 1938. Class 39.
Soy Bean Processing Company, Inc., Waterloo, Iowa. Soy bean insecticides. 365,308; Mar. 7; Serial No. 399,781; published Feb. 8, 1938. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Castor oil. 365,350; Mar. 7; Serial No. 409,785; published Dec. 20, 1938. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Soy bean flour. 365,327; Mar. 7; Serial No. 405,839; published Dec. 27, 1938. Class 46.
Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Carbon binder solvent and carbon remover. 365,368; Mar. 7; Serial No. 410,443; published Dec. 20, 1938. Class 6.
Sticelber, Merlin A., doing business as The Quick-Seal Company, Kansas City, Mo. Sealing machines for wrapped packages. 365,520; Mar. 7. Class 23.
Strouss-Hirshberg Company, The, Youngstown, Ohio. Dresses. 365,508; Mar. 7. Class 39.
Swirls, Inc., Newark, N. J. Carbonated beverages. 365,452; Mar. 7; Serial No. 412,048; published Dec. 27, 1938. Class 45.
Textile Corporation of America, New York, N. Y. Rug cushions. 365,339; Mar. 7; Serial No. 409,071; published Dec. 27, 1938. Class 50.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Measuring and computing oil and gasolene pumps. 365,459; Mar. 7; Serial No. 412,119; published Dec. 27, 1938. Class 26.
Tress Roll Corporation, New York, N. Y. Hair curling fluid. 365,421; Mar. 7; Serial No. 411,585; published Dec. 13, 1938. Class 6.
Tridico, Salvatore, Brooklyn, N. Y. Cigarette wrappers. 365,336; Mar. 7; Serial No. 408,552; published Dec. 27, 1938. Class 8.
Valentine & Company, assignor, by mesne assignments, to Valentine & Company, Inc., New York, N. Y. Varnish-stains, color varnishes, clear varnishes, etc. 126,224; renewed July 29, 1939.
Valley Fruit Company. (See Weir, Roy.)
Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. 365,389; Mar. 7; Serial No. 411,109; published Nov. 29, 1938. Class 39.
Van Raalte Company, New York, N. Y. Fabric gloves. 365,412; Mar. 7; Serial No. 411,390; published Dec. 6, 1938. Class 39.
Vrydaghs, Emile, doing business as J. V. & Co., New York, N. Y. Limes, hothouse grapes, and endive or brussels chicory. 365,448; Mar. 7; Serial No. 411,922; published Dec. 27, 1938. Class 46.
Wagner Electric Corporation, St. Louis, Mo. Rubber repair and replacement parts for vehicle braking apparatus. 365,476; Mar. 7; Serial No. 412,569; published Dec. 27, 1938. Class 35.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, and sportswear, etc. 365,511; Mar. 7. Class 39.
Warren Pipe Company of Mass., Inc., Everett, Mass. Cast iron pipe. 365,516; Mar. 7. Class 13.
Warren, S. D., Company, Boston, Mass. Printing-paper. 125,374–5; renewed May 13, 1939.
Warren, S. D., Company, Boston, Mass. Printing-paper. 125,548; renewed May 20, 1939.
Warren, S. D., Company, Boston, Mass. Printing-paper. 125,921–2; renewed July 8, 1939.
Warren, S. D., Company, Boston, Mass. Printing-paper. 126,105; renewed July 22, 1939.
Weil Clothing Company, St. Louis, Mo. Men's and boys' hats. 365,346; Mar. 7; Serial No. 409,451; published Nov. 29, 1938. Class 39.
Weir, Roy, doing business as Valley Fruit Company, Pharr, Tex. Fresh citrus fruit. 365,472–4; Mar. 7; Serial Nos. 412,475–7; published Dec. 27, 1938. Class 46.

Welch & Johnson Mfg. Co., Chicago, Ill. Hair preparations. 365,300; Mar. 7; Serial No. 396,624; published Nov. 16, 1937. Class 6.
Whitehall Import & Export Co., Inc., New York, N. Y., assignor, by mesne assignments, to The Food Dispenser Company, Hartford, Conn. Dispensing containers and the like for fluent substances. 365,478; Mar. 7. Class 2.
Wiener Bros. & Goldsmith, Inc., New York, N. Y. Laces. 365,329; Mar. 7; Serial No. 406,485; published Dec. 27, 1938. Class 42.
Wilson, Andrew, Inc., Springfield, N. J. Grub proofing preparation. 365,371; Mar. 7; Serial No. 410,567; published Dec. 20, 1938. Class 6.
Wizard Lightfoot Appliance Company, doing business as Wizard Lightfoot Company, Limited, St. Louis, Mo., and Walsall, England. Device used for restoring whiteness to shoes and certain fabrics. 365,500; Mar. 7. Class 29.
Wizard Lightfoot Appliance Co., St. Louis, Mo. Infants' shoes. 365,351; Mar. 7; Serial No. 409,796; published Nov. 29, 1938. Class 39.
Wolfe & Lang, Inc., New York, N. Y. Panties, girdles, and combination girdle-step-ins. 365,317; Mar. 7; Serial No. 403,383; published July 5, 1938. Class 39.
Wollensak Optical Company, Rochester, N. Y. Camera lenses and lens mountings. 365,404; Mar. 7; Serial No. 411,317; published Dec. 27, 1938. Class 26.
Wood, Annie M., Westminster, to The Woodite Company Limited, Warrington, England, successor. Elastic and flexible compound and articles made therefrom. 16,462; re-renewed Apr. 2, 1939.
Woodite Company Limited, The. (See Wood, Annie M.)
World's Star Knitting Company, Augusta, Maine, and Bay City, Mich., to American Textiles Inc., Bay City, Mich., successor. Clothing. 118,252; renewed Aug. 21, 1937.
Yankee Metal Products Corp., Norwalk, Conn. Vehicle rearview mirrors. 365,519; Mar. 7. Class 19.

LIST OF REGISTRANTS OF LABELS

Atlantic Coast Fisheries Corporation of New York, Boston, Mass. "Atco" Selected Fillets. For Fillets. 52,588; Mar. 7.
Atlantic Coast Fisheries Corporation of New York, Boston, Mass. "Nordic" Fillets. For Fillets. 52,589; Mar. 7.
Atlantic Coast Fisheries Corporation of New York, Boston, Mass. "Frigidsea" Fish Fillets. For Fillets. 52,590; Mar. 7.
Averett, William S., North Indianapolis, Ind. Ave-Co Powders—A Recommended Temporary Quick Relief for Sour Stomach and Gastric Acidity. For Powders for the Temporary Quick Relief of Sour Stomach and Gastric Acidity. 52,591; Mar. 7.
Bird & Son, Inc., East Walpole, Mass. Hygeia Goddess of Health. For Cartons. 52,592; Mar. 7.
Capitol Foods, Inc., Madison, Wis. Marla-Tabs. For Rennet Tablets. 52,593; Mar. 7.
Clapp, Harold H., Inc., Rochester. Clapp's. For Strained Spinach. 52,594; Mar. 7.
Cleeland, Roy A., Butler, Pa. "Aqua Cide". For a Product that is Used in the Water for Washing Clothes. 52,595; Mar. 7.
Coca-Cola Company, The, Wilmington, Del. Drink Coca-Cola. For a Syrup for a Carbonated Beverage. 52,596; Mar. 7.
Daviess County Distilling Company, Inc., The, Owensboro, Ky. Daviess County. For Bourbon Whiskey. 52,597; Mar. 7.
Daviess County Distilling Company, Inc., The, Owensboro, Ky. Belle of Daviess. For Bourbon Whiskey. 52,598; Mar. 7.
Daviess County Distilling Company, Inc., The, Owensboro, Ky. Kentucky-Romance. For Bourbon Whiskey. 52,599; Mar. 7.
Dawe's Vitamins, Inc., Chicago, Ill. Vitamins All. For Vitamin Capsules. 52,600; Mar. 7.
Drink-Mor Beverage Co., Wilkes-Barre, Pa. Old Fashioned Root Beer. For Root Beer. 52,601; Mar. 7.
General Mills, Inc., Minneapolis, Minn. New Sperry Wheat Hearts. For Cereal Breakfast Food. 52,602; Mar. 7.
Gumakers of America, Inc., Clifton Heights, Pa. Thrilling True Spy Stories. For Picture Cards and Gum. 52,603; Mar. 7.
Hacking, John A., Providence, R. I. Irish Ale. For Irish Ale. 52,604; Mar. 7.
Heileman, G., Brewing Co., La Crosse, Wis. Heileman's Steinie Quart. For Beer. 52,605; Mar. 7.
Junge Baking Company, Joplin, Mo. Quakerette Crackers. For Crackers. 52,606; Mar. 7.
Loeb, H. A., & Co., Chicago, Ill. Regal Human Hair Nets. For Hair Nets. 52,607; Mar. 7.
McKinley-Gregg Automobile Company, Pittsburgh, Pa. Mutual Goodwill, Trouble Proofed Used Cars. For Used Cars. 52,608; Mar. 7.
Menasha Products Company, Menasha, Wis. Springfield Farmers' Butter. For Butter. 52,609; Mar. 7.
Menasha Products Company, Menasha, Wis. Crown City Ice Cream. For Ice Cream. 52,610; Mar. 7.
National Grocery Company, Seattle, Wash. Certified. For Peas. 52,611; Mar. 7.
O-Cedar Corp'n., Chicago, Ill. O-Cedar Mit-Mop. For Mit Mop Used with Handle for Floors, Baseboards, Stairs, etc. or on the Hand for Dusting Furniture, Automobiles, etc. 52,612; Mar. 7.
Patterson Manufacturing Company, Denison, Tex. Texas Sports Wear. For Sports Wear. 52,613; Mar. 7.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Penick (Orange Label). For Waffle Syrup. 52,614; Mar. 7.
Porter, Florence, Alexander, Ark. Grandma Porters Salve. For a Salve. 52,615; Mar. 7.
Priest, Charles H., Jr., Pasadena, Calif. Bopan. For a Dry Cleaning Fluid. 52,616; Mar. 7.
Priest, Charles H., Jr., Pasadena, Calif. Renofect. For a Rug Cleaning Compound. 52,617; Mar. 7.
Rhodes, James H., & Company, Chicago, Ill. Chamois. For Chamois Skins. 52,618; Mar. 7.
Rhodes, James H., & Company, Chicago, Ill. Cherbourg French Chamois. For French Chamois Skins. 52,619; Mar. 7.
Silver Star Bedding Co., Chicago, Ill. Good Morning. For Mattresses. 52,620; Mar. 7.
Solo Products Company, Chicago, Ill. Solo Mushrooms. For Mushrooms. 52,621; Mar. 7.
Sterling, Polly, Inc., Oshkosh, Wis. Polly Sterling's. For Silver Polish. 52,622; Mar. 7.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. "Black Leaf 40". For Nicotine Sulphate. 52,623; Mar. 7.
Ultra Chemical Works, Inc., Paterson, N. J. Ultra Gloss. For a No Rubbing Liquid Wax. 52,624; Mar. 7.
Weco Products Company, Chicago, Ill. Sleek but Soft! With a Gainsborough Hair Net. For Hair nets. 52,625; Mar. 7.

LIST OF REGISTRANTS OF PRINTS

Bathé, Charles G., Tulsa, Okla. Hey Kids. For Bread and Other Food Products. 17,264; Mar. 7.
General Mills, Inc., Minneapolis, Minn. Men Like Biscuits This Way. For Biscuit Flour. 17,265; Mar. 7.
Johnson, James G., Nashville, Tenn. Souvenir-New York World's Fair—1939—Genuine Indian Arrowhead. For Indian Arrow-Heads. 17,266; Mar. 7.
McGraw Electric Co., Elgin, Ill. Slice after Slice Alike as. For Toasters. 17,267; Mar. 7.
Parke, Davis & Co., Detroit, Mich. Parke-Davis Vanilla Extract Special. For Vanilla Extract. 17,268; Mar. 7.
Vi-O-Tex Mfg. Co. (See Warp, Harold.)
Warp, Harold, doing business as Vi-O-Tex Mfg. Co., Chicago, Ill. Stop Cannibalism. For Glass Substitute. 17,269; Mar. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Elastic and flexible compound and articles made therefrom. A. M. Wood. 16,462; re-renewed Apr. 2, 1939.
Skins, Fur. Brickner & Bernfeld, Inc. 365,349; Mar. 7; Serial No. 409,761; published Dec. 27, 1938.
Wood pulp. Gottesman and Company. 365,310; Mar. 7; Serial No. 399,961; published Dec. 6, 1938.

CLASS 2

Bags. Oneida Paper Products, Inc. 365,314; Mar. 7; Serial No. 401,942; published Dec. 27, 1938.
Bags and electric appliance covers. Protex Products Company. 365,353; Mar. 7; Serial No. 409,890; published Dec. 27, 1938.

Bags for household use. McGraw Electric Company. 365,438; Mar. 7; Serial No. 411,877; published Dec. 27, 1938.
Containers and the like for fluent substances, Dispensing. Whitehall Import & Export Co. 365,478; Mar. 7.
Receptacles for household use. McGraw Electric Company. 365,439; Mar. 7; Serial No. 411,883; published Dec. 27, 1938.

CLASS 3

Handbags. Betty Anne Bag Company. 365,417; Mar. 7; Serial No. 411,487; published Dec. 27, 1938.

CLASS 4

Abrasives, Aluminous. Societe d'Electrochimie, d'Electrometallurgie et des Acieres Electriques d'Ugine. 365,345; Mar. 7; Serial No. 409,443; published Dec. 27, 1938.
Cleaner, Shoe. Lucky Chemical Laboratory Inc. 365,437; Mar. 7; Serial No. 411,875; published Dec. 27, 1938.

CLASS 6

Aluminum stearate compounds. International Lubricant Corporation. 365,367; Mar. 7; Serial No. 410,398; published Dec. 20, 1938.
Astringents, astringent cerates, beauty creams, etc. L. Music. 365,423; Mar. 7; Serial No. 411,648; published Dec. 13, 1938.
Carbon tetrachloride. Diamond Alkali Company. 365,394; Mar. 7; Serial No. 411,216; published Dec. 20, 1938.
Castor oil. E. R. Squibb & Sons. 365,350; Mar. 7; Serial No. 409,785; published Dec. 20, 1938.
Chemicals. American Chemical Paint Company. 365,331; Mar. 7; Serial No. 407,255; published Dec. 20, 1938.
Chemicals. Parker Rust Proof Company. 365,390; Mar. 7; Serial No. 411,134; published Dec. 13, 1938.
Cream, Cold. Pendragon, not incorporated. 365,313; Mar. 7; Serial No. 401,799; published Dec. 13, 1938.
Cream, Face. M. H. Kirschbaum. 126,175; renewed July 29, 1939.
Creams, Toilet. Charles of the Ritz, Inc. 365,361; Mar. 7; Serial No. 410,190; published Dec. 20, 1938.
Enamel for finger nails. Revlon Nail Enamel Corporation. 365,352; Mar. 7; Serial No. 409,821; published Nov. 8, 1938.
Grub proofing preparation. Andrew Wilson, Inc. 365,371; Mar. 7; Serial No. 410,567; published Dec. 20, 1938.
Hair curling fluid. Tress Roll Corporation. 365,421; Mar. 7; Serial No. 411,585; published Dec. 13, 1938.
Hair preparations. Welch & Johnson Mfg. Co. 365,300; Mar. 7; Serial No. 396,624; published Nov. 16, 1937.
Hair tonic. Beautalure, Inc. 365,392; Mar. 7; Serial No. 411,149; published Dec. 13, 1938.
Hair tonic and scalp treating products. Brad-Jo Company. 365,354; Mar. 7; Serial No. 409,907; published Dec. 20, 1938.
Hay fever and rose cold preparations. A. T. Keil. 365,403; Mar. 7; Serial No. 411,299; published Dec. 20, 1938.
Insecticides, Soy bean. Soy Bean Processing Company. 365,308; Mar. 7; Serial No. 399,781; published Feb. 8, 1938.
Jell used for feminine hygiene. C. F. Haas. 365,328; Mar. 7; Serial No. 405,845; published Dec. 13, 1938.
Liquid adherent to be applied to the face. R. A. Fletcher. 365,388; Mar. 7; Serial No. 411,068; published Dec. 13, 1938.
Medical preparation. W. W. Jones. 365,360; Mar. 7; Serial No. 410,183; published Dec. 20, 1938.
Medical preparation. Roche-Organon, Inc. 365,440; Mar. 7; Serial No. 411,899; published Dec. 13, 1938.
Medical preparation. Roche-Organon, Inc. 365,441–7; Mar. 7; Serial No. 411,900–6 published Dec. 20, 1938.
Medical preparation. American Pharmaceutical Company. 365,379; Mar. 7; Serial No. 410,943; published Dec. 20, 1938.
Medicated jellies. A. de St. Dalmas & Co. Ltd. 365,376; Mar. 7; Serial No. 410,901; published Dec. 20, 1938.
Medicinal emulsions. C. S. O. Laboratories. 365,342; Mar. 7; Serial No. 409,160; published Dec. 20, 1938.
Medicinal preparation. Hoffman-La Roche, Inc. 365,426; Ma. 7; Serial No. 411,778; published Dec. 20, 1938.
Medicinal preparations. Merck & Co. Inc. 365,425; Mar. 7; Serial No. 411,748; published Dec. 20, 1938.
Medicinal tablet. Aspitone Co. 124,362; renewed Feb. 11, 1939.
Medicine. Home Drug Company. 365,326; Mar. 7; Serial No. 405,647; published June 14, 1938.
Medicines. Hall Remedy Co. 365,323; Mar. 7; Serial No. 405,020; published Dec. 20, 1938.
Nasal jelly. L. Finley. 365,355; Mar. 7; Serial No. 409,995; published Dec. 13, 1938.
Oil and grease resistant compound for paper. E. F. Houghton & Co. 365,387; Mar. 7; Serial No. 411,054; published Dec. 13, 1938.
Ointment. Dewoody Manufacturing Company. 365,398; Mar. 7; Serial No. 411,260; published Dec. 13, 1938.
Ointment. Myers Remedy Company. 124,330; renewed Feb. 4, 1939.
Ointment and reconditioner, Hair. J. Gelman. 365,433; Mar. 7; Serial No. 411,831; published Dec. 13, 1938.
Petrolatum, Irradiated and ozonated solid and liquid. H. F. Nusbaum. 365,295; Mar. 7; Serial No. 389,761; published May 11, 1937.
Phosphate compositions. Monsanta Chemical Company. 365,395; Mar. 7; Serial No. 411,233; published Dec. 13, 1938.
Photographic film developing, fixing, and hardening solutions. Oxford Products Company. 365,393; Mar. 7; Serial No. 411,179; published Dec. 13, 1938.
Pine compound, Extract white. J. L. Hopkins & Co. 125,448; renewed May 20, 1939.
Powder, toilet water, perfume, etc. Coty, Inc. 365,458; Mar. 7; Serial No. 412,084; published Dec. 20, 1938.
Powders and tooth paste, Tooth. Chex Laboratories Company. 365,316; Mar. 7; Serial No. 402,719; published July 26, 1938.
Preparation for use in treating intestinal derangements. R. L. Harris. 365,333; Mar. 7; Serial No. 408,161; published Nov. 15, 1938.
Preparation to prevent sunburn and aid an even tan, Oily. G. W. Beeman. 365,334; Mar. 7; Serial No. 408,185; published Dec. 13, 1938.
Rouge compacts, powder compacts, lipsticks, etc. Coty, Inc. 365,457; Mar. 7; Serial No. 412,083; published Dec. 13, 1938.
Salt, Granular effervescent. I. E. Emerson. 16,599; renewed May 21, 1939.
Skin tonics. C. L. Hunter. 365,434; Mar. 7; Serial No. 411,833; published Dec. 13, 1938.
Solution for bleaching, deodorizing, and disinfecting clothes, etc., Liquid. V. B. Bartos. 365,435; Mar. 7; Serial No. 411,851; published Dec. 13, 1938.
Solvent and carbon remover, Carbon binder. P. O. Stewart. 365,368; Mar. 7; Serial No. 410,443; published Dec. 20, 1938.
Toilet water, perfumes, and cologne. Cardinal Parfums, Inc. 365,428; Mar. 7; Serial No. 411,809; published Dec. 13, 1938.
Tooth paste and powder, styptic pencils, toilet water, etc. Goldsmith Bros. 365,384; Mar. 7; Serial No. 410,991; published Dec. 13, 1938.

CLASS 8

Ash trays and holders for cigars and cigarettes. V. A. Herr. 365,467; Mar. 7; Serial No. 412,338; published Dec. 27, 1938.
Cigarette wrappers. S. Tridico. 365,336; Mar. 7; Serial No. 408,552; published Dec. 27, 1938.

CLASS 13

Bolts, nuts, rivets, and metal washers. Russell, Burdsall & Ward Bolt and Nut Co. 126,202; renewed July 29, 1939.
Hardware. Coburn Trolley Track Company. 365,498; Mar. 7.
Pipe, Cast iron. Warren Pipe Company of Mass, Inc. 365,516; Mar. 7.

CLASS 16

Paints. American Polytect Corporation. 365,380; Mar. 7; Serial No. 410,944; published Dec. 27, 1938.
Preparation to clean, preserve, and beautify automobiles, etc. Ivano Inc. 365,365–6; Mar. 7; Serial Nos. 410,395–6; published Dec. 27, 1938.
Stains, color and clear varnishes, etc. Varnish. Valentine & Company. 126,224; renewed July 29, 1939.

CLASS 19

Automobile-trucks. Elwell-Parker Electric Company. 124,447; renewed Feb. 18, 1939.
Mirrors, Vehicle rearview. Yankee Metal Products Corp. 365,519; Mar. 7.

CLASS 21

Clamps, Electrical drop wire attaching. James R. Kearney Corporation. 365,493; Mar. 7.
Conduit fittings, Couplings, bushings, etc. Conduit Fittings Corporation. 365,386; Mar. 7; Serial No. 411,047; published Dec. 27, 1938.
Electrical duct and fittings for surface wiring systems. National Electric Products Corporation. 365,319; Mar. 7; Serial No. 403,958; published Dec. 27, 1938.
Switches, switch cases, and parts thereof, Electric. Durakool, Inc. 365,484; Mar. 7.

CLASS 22

Foot balls, soccer balls, basket balls, etc. Ely & Walker Dry Goods Company. 365,419; Mar. 7; Serial No. 411,526; published Dec. 27, 1938.
Game, Card. Parker Brothers, Inc. 365,385; Mar. 7; Serial No. 411,036; published Dec. 27, 1938.
Games, Board. Paul Bunyan, Inc. 365,416; Mar. 7; Serial No. 411,465; published Dec. 27, 1938.
Marking boards and crayons. C. B. Chatfield. 365,399; Mar. 7; Serial No. 411,266; published Dec. 27, 1938.

CLASS 23

Clippers, Bolt and rivet. H. K. Porter. 126,195; renewed July 29, 1939.
Engine detonation suppressor, Internal combustion. Kane Products, Inc. 365,321; Mar. 7; Serial No. 404,812; published Dec. 27, 1938.
Fuel injection equipment and parts thereof. American Bosch Corporation. 365,409; Mar. 7; Serial No. 411,361; published Dec. 27, 1938.
Hoists. Chisholm-Moore Hoist Corp. 365,402; Mar. 7; Serial No. 411,267; published Dec. 27, 1938.

Polishing and buffing machines. Acme Manufacturing Company. 365,391; Mar. 7; Serial No. 411,144; published Dec. 27, 1938.
Razor blades. B. Gordon. 365,460; Mar. 7; Serial No. 412,134; published Dec. 27, 1938.
Razor blades. A. A. Kaplan. 365,462; Mar. 7; Serial No. 412,144; published Dec. 27, 1938.
Razor blades. McKesson & Robbins, Incorporated. 365,464; Mar. 7; Serial No. 412,148; published Dec. 27, 1938.
Razor blades. D. Pullman. 365,375; Mar. 7; Serial No. 410,846; published Dec. 27, 1938.
Riddles and sieves, Foundry. Seymour & Peck Co. 365,497; Mar. 7.
Sealing machines for wrapped packages. M. A. Sticelber. 365,520; Mar. 7.
Separators and oil treating tanks, Oil and water. Burt Tank, Separator & Oil Treating Corp. 365,514; Mar. 7.
Tractors. Fairbanks, Morse & Co. 124,302; renewed Feb. 4, 1939.
Woodworking machines. De Walt Products Corporation. 365,510; Mar. 7.

CLASS 25

Banks and like small portable currency containers, Savings. B. H. Hockswender. 365,356; Mar. 7; Serial No. 409,997; published Dec. 27, 1938.

CLASS 26

Attachments for containers for measuring and dispensing liquids therefrom. Barr Products Company. 365,374; Mar. 7; Serial No. 410,823; published Dec. 27, 1938.
Camera lenses and lens mountings. Wollensak Optical Company. 365,404; Mar. 7; Serial No. 411,317; published Dec. 27, 1938.
Drafting instruments. Eugene Dietzgen Co. 365,293; Mar. 7; Serial No. 378,429; published Oct. 27, 1936.
Measuring and computing oil and gasolene pumps. Tokheim Oil Tank and Pump Company. 365,459; Mar. 7; Serial No. 412,119; published Dec. 27, 1938.

CLASS 27

Watches. Bulova Watch Company. 365,454–5; Mar. 7; Serial Nos. 412,073–4; published Dec. 27, 1938.

CLASS 28

Silverware. R. Blackinton & Co. 365,488; Mar. 7.

CLASS 29

Device used for restoring whiteness to shoes and certain fabrics. Wizard Lightfoot Appliance Company. 365,500; Mar. 7.

CLASS 31

Filters, Oil. Pick Manufacturing Company. 365,515; Mar. 7.

CLASS 32

Furniture, Household. Furniture Merchandising Institute. 365,322; Mar. 7; Serial No. 404,982; published Dec. 27, 1938.

CLASS 35

Rubber repair and replacement parts for vehicle braking apparatus. Wagner Electric Corporation. 365,476; Mar. 7; Serial No. 412,569; published Dec. 27, 1938.
Tires, V-belts, fan belts, etc. Dayton Rubber Manufacturing Company. 365,338; Mar. 7; Serial No. 408,993; published Dec. 27, 1938.

CLASS 36

Pianos. W. G. Eavestaff & Sons Limited. 365,303; Mar. 7; Serial No. 398,426; published Dec. 27, 1938.

CLASS 37

Paper and stationery. Moser Paper Company. 126,041; renewed July 22, 1939.
Paper, Printing. S. D. Warren Company. 125,374–5; renewed May 13, 1939.
Paper, Printing. S. D. Warren Company. 125,548; renewed May 20, 1939.
Paper, Printing. S. D. Warren Company. 125,921–2; renewed July 8, 1939.
Paper, Wall. Grandberg Bros. Wall Paper Co. 365,470; Mar. 7; Serial No. 412,376; published Dec. 27, 1938.
Paper, Writing. S. D. Warren Company. 126,105; renewed July 22, 1939.
Papers, Book and printing. Kimberly-Clark Corporation. 365,463; Mar. 7; Serial No. 412,145; published Dec. 27, 1938.
Pens and pen-points, Stylographic and fountain. Hinks Wells & Co. 124,455; renewed Feb. 18, 1939.

CLASS 38

Badges, pendants, emblems, etc. Graduate School of Banking. 365,312; Mar. 7; Serial No. 401,110; published Feb. 15, 1938.
Publications. Alexander Hamilton Institute. 125,948; renewed July 22, 1939.

CLASS 39

Apparel, Wearing. Eclipse Knitting Mills Inc. 365,357; Mar. 7; Serial No. 410,072; published Dec. 6, 1938.
Apparel, Wearing. Jame-Wolf Co. 365,311; Mar. 7; Serial No. 400,112; published Dec. 20, 1938.
Aprons and sport clothes for women and children. H. C. Myers. 365,325; Mar. 7; Serial No. 405,609; published Nov. 29, 1938.
Boots, shoes, and clippers. General Shoe Corporation. 365,418; Mar. 7; Serial No. 411,496; published Dec. 6, 1938.
Brassières. Dainty Maid Brassiere Mfg. Company. 365,332; Mar. 7; Serial No. 407,944; published Dec. 6, 1938.
Brassières, bandeaus, corsets, etc. Fay-Miss Brassiere Co. 365,362; Mar. 7; Serial No. 410,218; published Dec. 6, 1938.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Company. 365,453; Mar. 7; Serial No. 412,066; published Dec. 20, 1938.
Clothing. Cooper Underwear Company. 125,795; renewed June 17, 1939.
Clothing. World's Star Knitting Company. 118,252; renewed Aug. 21, 1937.
Clothing, Boys'. Golden Rule. 365,494; Mar. 7.
Clothing for men. Cellular Clothing Company Limited. 124,674; renewed Mar. 11, 1939.
Coats and dresses. Franklin Simon & Co. 365,489; Mar. 7.
Coats and suits, Women's and misses'. J. L. Hudson Company. 365,499; Mar. 7.
Coats, suits, and dresses. Kohen-Ligon-Folz, Inc. 365,496; Mar. 7.
Coats, suits, topcoats, etc., Sport. Lamm Brothers, Incorporated. 365,509; Mar. 7.
Corsets. Franco Corset Company. 365,340; Mar. 7; Serial No. 409,091; published Dec. 6, 1938.
Corsets, corselets, girdles, etc. Vanity Corset Company. 365,389; Mar. 7; Serial No. 411,109; published Nov. 29, 1938.
Corsets, girdles, bandeaux, etc. Aurora Corset Company. 365,517; Mar. 7.
Cravats, Men's. James R. Keiser, Inc. 126,026; renewed July 22, 1939.
Diapers, Textile. Chicopee Sales Corporation. 365,359; Mar. 7; Serial No. 410,132; published Dec. 6, 1938.
Dresses. Strouss-Hirshberg Company. 365,508; Mar. 7.
Dresses, frocks, blouses, etc. Goldwaters Mercantile Co. 365,335; Mar. 7; Serial No. 408,486; published Nov. 29, 1938.
Gloves, Fabric. Quality Glove Corporation. 365,318; Mar. 7; Serial No. 403,614; published Dec. 6, 1938.
Gloves, Fabric. Van Raalte Company. 365,412; Mar. 7; Serial No. 411,390; published Dec. 6, 1938.
Hair nets. E. J. Pfeffer. 365,382; Mar. 7; Serial No. 410,966; published Dec. 6, 1938.
Handkerchiefs. David E. Schwab & Co. 365,348; Mar. 7; Serial No. 409,491; published Dec. 6, 1938.
Handkerchiefs. Southern Handkerchief Mfg. Co. 365,378; Mar. 7; Serial No. 410,934; published Dec. 20, 1938.
Hat bodies for women's and children's hats. Henry Pollak, Inc. 365,491; Mar. 7.
Hats. Caradine Hat Company. 365,410; Mar. 7; Serial No. 411,368; published Dec. 6, 1938.
Hats and bandanas. Lewis & Efron. 365,381; Mar. 7; Serial No. 410,960; published Dec. 27, 1938.
Hats and caps. Portis Bros. Hat Co. 365,373; Mar. 7; Serial No. 410,748; published Dec. 27, 1938.
Hats, coats, suits, dresses, etc. Bonwit Teller, Inc. 365,485; Mar. 7.
Hats, Men's. Adam Hat Stores, Inc. 365,406; Mar. 7; Serial No. 411,356; published Dec. 20, 1938.
Hats, Men's. Adam Hat Stores, Inc. 365,407–8; Mar. 7; Serial Nos. 411,358–9; published Dec. 20, 1938.
Hats, Men's. Medbury & Carroll, Inc. 365,504; Mar. 7.
Hats, Men's and boys'. Geo. W. Bollman & Co. 365,304; Mar. 7; Serial No. 398,704; published Dec. 13, 1938.
Hats, Men's and boys'. Well Clothing Company. 365,346; Mar. 7; Serial No. 409,451; published Nov. 29, 1938.
Hats, Misses' and girls'. Best & Co. Inc. 365,383; Mar. 7; Serial No. 410,984; published Nov. 29, 1938.
Heels and soles, Rubber. Hagerstown Rubber Company. 365,401; Mar. 7; Serial No. 411,272; published Nov. 29, 1938.
Neckties. Botany Worsted Mills. 365,456; Mar. 7; Serial No. 412,075; published Dec. 27, 1938.
Neckties. J. S. Morrison. 365,297; Mar. 7; Serial No. 393,499; published Sept. 14, 1937.
Neckties and cravats. L. Lerner. 365,370; Mar. 7; Serial No. 410,548; published Dec. 27, 1938.
Pads in the nature of posterior aprons, Baby. D. R. Givens. 365,341; Mar. 7; Serial No. 409,094; published Dec. 27, 1938.
Panties, girdles, and combination girdle-step-ins. Wolfe & Lang, Inc. 365,317; Mar. 7; Serial No. 403,383; published July 5, 1938.
Scarfs, hats, caps, etc. E. Hertzberger. 365,507; Mar. 7.
Shirts, bloomers, panties, etc., Polo. Blossom Products Corporation. 365,518; Mar. 7.
Shirts, shorts, slacks and sportswear, etc., Outer. Wamsutta Mills. 365,511; Mar. 7.
Shoes. Lane Brothers Company. 365,337; Mar. 7; Serial No. 408,925; published Dec. 6, 1938.
Shoes. P. W. Minor & Son, Inc. 365,495; Mar. 7.
Shoes. O'Donnell Shoe Company. 365,372; Mar. 7; Serial No. 410,746; published Dec. 27, 1938.

Shoes. Dr. A. Posner Shoes, Inc. 365,512; Mar. 7.
Shoes. Racine Shoe Manufacturing Company. 365,397; Mar. 7; Serial No. 411,246; published Nov. 29, 1938.
Shoes. Racine Shoe Manufacturing Company. 365,487; Mar. 7.
Shoes. H. Rosen. 365,427; Mar. 7; Serial No. 411,797; published Dec. 20, 1938.
Shoes and slippers. A. S. Beck Shoe Corporation. 365,306; Mar. 7; Serial No. 398,833; published Nov. 29, 1938.
Shoes, boots and rubbers. Fashion-Bilt Shoe Company. 365,477; Mar. 7.
Shoes, Ladies'. Pincus & Tobias, Inc. 365,482; Mar. 7.
Shoes, stockings, socks, etc. Dailey's Style Shop, Inc. 365,483; Mar. 7.
Shoes, Women's. L. V. Marks & Sons Company. 365,450–1; Mar. 7; Serial Nos. 412,037–8; published Dec. 20, 1938.
Slippers, Women's. W. T. Grant Company. 365,420; Mar. 7; Serial No. 411,574; published Dec. 20, 1938.
Socks and stockings, and shawls. B. Altmann. 365,296; Mar. 7; Serial No. 390,885; published Dec. 20, 1938.
Suits and overcoats, topcoats, etc. Silberbergs, Inc. 365,301; Mar. 7; Serial No. 397,055; published Jan. 4, 1938.
Suits, Bathing. Kresge Department Store, Newark. 365,481; Mar. 7.
Suits, hats, and caps. May Department Stores Co. 365,363; Mar. 7; Serial No. 410,298; published Dec. 13, 1938.
Suits, ski suits and pants, jackets, etc., Girls' and misses' snow. Mayfair Togs, Inc. 365,302; Mar. 7; Serial No. 397,813; published Dec. 6, 1938.
Sweatbands. L. Kleinman. 365,344; Mar. 7; Serial No. 409,402; published Dec. 20, 1938.

CLASS 40

Combs. American Hard Rubber Company. 365,490; Mar. 7.
Dress-fasteners. Columbia Fastener Company. 124,821; renewed Mar. 18, 1939.

CLASS 42

Blankets. Esmond Mills. 365,422; Mar. 7; Serial No. 411,631; published Dec. 27, 1938.
Cloth, Shade. Oswego Shade Cloth Company. 124,573; renewed Feb. 25, 1939.
Cotton piece goods. American Bleached Goods Company. 125,380; renewed May 20, 1939.
Cotton piece goods. Clarence S. Brown & Company. 365,501; Mar. 7.
Curtains and draperies. M. B. Robbins. 365,347; Mar. 7; Serial No. 409,746; published Dec. 27, 1938.
Fabrics, Textile. M. S. Brown. 365,513; Mar. 7.
Fabrics, Textile. Crompton Company. 365,343; Mar. 7; Serial No. 409,261; published Dec. 27, 1938.
Laces. Wiener Bros. & Goldsmith, Inc. 365,329; Mar. 7; Serial No. 406,485; published Dec. 27, 1938.
Piece goods. Celanese Corporation of America. 365,429–32; Mar. 7; Serial Nos. 411,819–22; published Dec. 27, 1938.
Piece goods. Cellular Clothing Company Limited. 124,509; renewed Feb. 25, 1939.
Towels. Wm. T. Knott Company. 365,411; Mar. 7; Serial No. 411,379; published Dec. 27, 1938.
Woolen goods. A. D. Juilliard & Co. 365,468; Mar. 7; Serial No. 412,343; published Dec. 27, 1938.

CLASS 43

Thread and yarn. Dow Chemical Company. 365,309; Mar. 7; Serial No. 399,956; published Dec. 20, 1938.
Thread and yarn. J. W. W. Holden. 365,413; Mar. 7; Serial No. 411,414; published Dec. 13, 1938.
Yarn. Merkel & Kiemlin, G. m. b. H. 365,330; Mar. 7; Serial No. 406,933; published Dec. 20, 1938.
Yarn. Morell Novelty Company. 365,424; Mar. 7; Serial No. 411,701; published Dec. 20, 1938.

CLASS 44

Bandages, Crape. Norwich Crape Company 1856 Limited. 124,867; renewed Mar. 18, 1939.
Sanitary tongue blades. Berst-Forster-Dixfield Company. 365,465; Mar. 7; Serial No. 412,284; published Dec. 27, 1938.

CLASS 45

Beverages, and for syrups, extracts, and concentrates used in making the same. London Dry Ginger Ale Co. Inc. 365,506; Mar. 7.
Beverages, and syrups, extracts, and flavors used in making the same. National NuGrape Co. 365,492; Mar. 7.
Beverages, Carbonated. Swirls, Inc. 365,452; Mar. 7; Serial No. 412,048; published Dec. 27, 1938.
Drinks, and flavoring syrups therefor, Maltless soft. H. J. Coffman. 365,400; Mar. 7; Serial No. 411,268; published Dec. 27, 1938.
Extracts, Flavoring. Pacific Citrus Products Co. 365,503; Mar. 7.

CLASS 46

Bologna, salami, corned beef, etc. Hebrew National Kosher Sausage Company. 365,358; Mar. 7; Serial No. 410,109; published Dec. 27, 1938.
Butter. Borden's Farm Products Company. 124,952; renewed Apr. 1, 1939.
Candy. John Mackintosh & Sons, Ltd. Inc. 365,449; Mar. 7; Serial No. 412,001; published Dec. 27, 1938.
Canned fish. Società Anonima Angelo Parodi fu Bmeo. 365,369; Mar. 7; Serial No. 402,488; published Dec. 27, 1938.
Canned fruits. Hollister Canning Company. 365,502; Mar. 7.
Canned grapefruit. Thomas Roberts & Co. 365,505; Mar. 7.
Cheese, mayonnaise, sandwich spread, etc., Cottage. B. S. Pearsall Butter Co. 365,480; Mar. 7.
Chocolate coatings. Borden's Condensed Milk Company. 125,718; renewed June 10, 1939.
Flour, General Mills, Inc. 365,298; Mar. 7; Serial No. 395,475; published Feb. 1, 1938.
Flour, cornmeal, and rolled oats. International Milling Company. 125,057; renewed Apr. 8, 1939.
Flour, Soy bean. A. E. Staley Manufacturing Company. 365,327; Mar. 7; Serial No. 405,839; published Dec. 27, 1938.
Food, Dog. Healthwin Packing Company. 365,461; Mar. 7; Serial No. 412,137; published Dec. 27, 1938.
Food, Dog. Houston Packing Company. 365,307; Mar. 7; Serial No. 399,662; published Dec. 27, 1938.
Food, Stock. General Mills, Inc. 365,414–15; Mar. 7; Serial Nos. 411,450–1; published Dec. 27, 1938.
Fruits, Fresh citrus. Domino Citrus Association, Inc. 365,466; Mar. 7; Serial No. 412,333; published Dec. 27, 1938.
Fruit, Fresh citrus. Rio Grande Valley Citrus Growers Association. 365,320; Mar. 7; Serial No. 404,231; published Dec. 27, 1938.
Fruit, Fresh citrus. R. Weir. 365,472–4; Mar. 7; Serial Nos. 412,475–7; published Dec. 27, 1938.
Hams, Smoked. P. D. Gwaltney, Jr. & Co. Inc. 365,405; Mar. 7; Serial No. 411,334; published Dec. 27, 1938.
Ice cream, ices, and malted milk. Prince Castles. 365,305; Mar. 7; Serial No. 398,791; published Dec. 27, 1938.
Limes, hothouse grapes, and endive or Brussels chicory. E. Vrydaghs. 365,448; Mar. 7; Serial No. 411,922; published Dec. 27, 1938.
Malt chocolate mixture in powder form. Bestov Products, Inc. 365,294; Mar. 7; Serial No. 382,903; published Nov. 10, 1936.
Milk, Dried or desiccated. Borden's Condensed Milk Company. 125,022; renewed Apr. 8, 1939.
Pies, Toasted. Acme Pie Co., of Cleveland, Ohio. 365,475; Mar. 7; Serial No. 412,484; published Dec. 27, 1938.
Potatoes, Sweet. L. Guilbeau. 365,377; Mar. 7; Serial No. 410,905; published Dec. 27, 1938.
Shoes, Infant's. Wizard Lightfoot Appliance Co. 365,351; Mar. 7; Serial No. 409,796; published Nov. 29, 1938.
Vanilla concentrate, Imitation. Felton Chemical Company. 365,471; Mar. 7; Serial No. 412,443; published Dec. 27, 1938.

CLASS 48

Beer. Bestov Products, Inc. 365,315; Mar. 7; Serial No. 402,589; published Dec. 27, 1938.
Beer. Koppitz Melchers, Inc. 365,324; Mar. 7; Serial No. 405,024; published Dec. 27, 1938.
Beers. Jan Götz Okocimski Browar i Zakłady Przemysłowe S. A. 365,479; Mar. 7.

CLASS 49

Cognac brandy. Jules Robin, Société Anonyme. 365,469; Mar. 7; Serial No. 412,360; published Dec. 27, 1938.
Whiskey. Ben-Burk, Inc. 365,486; Mar. 7.
Whiskey. Dant & Head Distilling Company. 365,436; Mar. 7; Serial No. 411,868; published Dec. 27, 1938.
Whiskey. McKessón & Robbins, Incorporated. 365,299; Mar. 7; Serial No. 395,585; published Jan. 18, 1938.

CLASS 50

Cushions, Rug. Textile Corporation of America. 365,339; Mar. 7; Serial No. 409,071; published Dec. 27, 1938.
Plaques of ceramic material. R. T. Heineman. 365,364; Mar. 7; Serial No. 410,363; published Dec. 27, 1938.
Plastic compositions. Monsanto Chemical Company. 365,396; Mar. 7; Serial No. 411,234; published Dec. 27, 1938.

LIST OF LABELS

"Aqua Cide". For a Product That is Used in the Water for Washing Clothes. R. A. Cleeland. 52,595; Mar. 7.
"Atco" Selected Fillets. For Fillets. Atlantic Coast Fisheries Corporation of New York. 52,588; Mar. 7.
Ave-Co Powders—A Recommended Temporary Quick Relief for Sour Stomach and Gastric Acidity. For Powders for the Temporary Quick Relief of Sour Stomach and Gastric Acidity. W. S. Averett. 52,591; Mar. 7.
Belle of Daviess. For Bourbon Whiskey. Daviess County Distilling Company. 52,598; Mar. 7.
"Black Leaf 40". For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation (Incorporated). 52,623; Mar. 7.
Bopan. For a Dry Cleaning Fluid. C. H. Priest, Jr. 52,616; Mar. 7.
Certified. For Peas. National Grocery Company. 52,611; Mar. 7.
Chamois. For Chamois Skins. James H. Rhodes & Company. 52,618; Mar. 7.
Cherbourg French Chamois. For French Chamois Skins. James H. Rhodes & Company. 52,619; Mar. 7.
Clapp's. For Strained Spinach. Harold H. Clapp, Inc. 52,594; Mar. 7.
Crown City Ice Cream. For Ice Cream. Menasha Products Company. 52,610; Mar. 7.
Daviess County. For Bourbon Whiskey. Daviess County Distilling Company. 52,597; Mar. 7.
Drink Coca-Cola. For a Syrup for a Carbonated Beverage. Coca-Cola Company. 52,596; Mar. 7.
"Frigidsea" Fish Fillets. For Fillets. Atlantic Coast Fisheries Corporation of New York. 52,590; Mar. 7.
Good Morning. For Mattresses. Silver Star Bedding Co. 52,620; Mar. 7.
Grandma Porters Salve. For a Salve. F. Porter. 52,615; Mar. 7.
Heileman's Steinie Quart. For Beer. G. Heileman Brewing Co. 52,605; Mar. 7.
Hygeia Goddess of Health. For Cartons. Bird & Son, Inc. 52,592; Mar. 7.
Irish Ale. For Irish Ale. J. A. Hacking. 52,604; Mar. 7.
Kentucky Romance. For Bourbon Whiskey. Daviess County Distilling Company. 52,599; Mar. 7.
Marla-Tabs. For Rennet Tablets. Capitol Foods, Inc. 52,593; Mar. 7.
Mutual Goodwill, Trouble Proofed Used Cars. For Used Cars. McKinley-Gregg Automobile Company. 52,608; Mar. 7.
New Sperry Wheat Hearts. For Cereal Breakfast Food. General Mills, Inc. 52,602; Mar. 7.
"Nordic" Fillets. For Fillets. Atlantic Coast Fisheries Corporation of New York. 52,589; Mar. 7.
O'Cedar Mit-Mop. For Mit Mop Used with Handle for Floors, Baseboards, Stairs, etc. or on the Hand for Dusting Furniture, Automobiles, etc. O-Cedar Corp'n. 52,612; Mar. 7.
Old Fashioned Root Beer. For Root Beer. Drink-Mor Beverage Co. 52,601; Mar. 7.
Quakerette Crackers. For Crackers. Junge Baking Company. 52,606; Mar. 7.
Penick (Orange Label). For Waffle Syrup. Penick & Ford, Ltd. Incorporated. 52,614; Mar. 7.
Polly Sterling's. For Silver Polish. Polly Sterling, Inc. 52,622; Mar. 7.
Regal Human Hair Nets. For Hair Nets. H. A. Loeb & Co. 52,607; Mar. 7.
Renofect. For a Rug Cleaning Compound. C. H. Priest, Jr. 52,617; Mar. 7.
Sleek but Soft! With a Gainsborough Hair Net. For Hair Nets. Weco Products Company. 52,625; Mar. 7.
Solo Mushrooms. For Mushrooms. Solo Products Company. 52,621; Mar. 7.
Springfield Farmers' Butter. For Butter. Menasha Products Company. 52,609; Mar. 7.
Texas Sports Wear. For Sports Wear. Patterson Manufacturing Company. 52,613; Mar. 7.
Thrilling True Spy Stories. For Picture Cards and Gum. Gumakers of America, Inc. 52,603; Mar. 7.
Ultra Gloss. For a No Rubbing Liquid Wax. Ultra Chemical Works, Inc. 52,624; Mar. 7.
Vitamins All. For Vitamin Capsules. Dawe's Vitamins, Inc. 52,600; Mar. 7.

LIST OF PRINTS

Hey Kids. For Bread and Other Food Products. C. G. Bathé. 17,264; Mar. 7.
Men Like Biscuits This Way. For Biscuit Flour. General Mills, Inc. 17,265; Mar. 7.
Parke-Davis Vanilla Extract Special. For Vanilla Extract. Parke, Davis & Company. 17,268; Mar. 7.
Slice after Slice Alike as. For Toasters. McGraw Electric Co. 17,267; Mar. 7.
Souvenir—New York World's Fair—1939—Genuine Indian Arrowhead. For Indian Arrow-heads. J. G. Johnson. 17,266; Mar. 7.
Stop Cannibalism. For Glass Substitute. H. Warp. 17,269; Mar. 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bocz, Alexander J., Detroit, Mich. Vibration damper. Re. 21,021; Mar. 7.

Bocz, Alexander J., Detroit, Mich. Vibration damper. Re. 21,022; Mar. 7.

Dunmore, Francis W. (See Lowell, P. D., and Dunmore.)

Lowell, Percival D., Chevy Chase, Md., and F. W. Dunmore, Washington, D. C. Radio receiving apparatus. Re. 21,023; Mar. 7.

Schlage Lock Company. (See Schlage, Walter R., assignor.)

Schlage, Walter R., Palo Alto, assignor to Schlage Lock Company, San Francisco, Calif. Lock mounting for hollow metal doors. Re. 21,024; Mar. 7.

Schlage, Walter R., Palo Alto, assignor to Schlage Lock Co., San Francisco, Calif. Metal door reenforcement and lock mounting. Re. 21,025; Mar. 7.

Westinghouse Electric & Manufacturing Company. (See Willby, Norman H., assignor.)

Willby, Norman H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. Re. 21,026; Mar. 7.

LIST OF PLANT PATENTEES

Johnston, Walter I., Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 317; Mar. 7.

Jackson & Perkins Company. (See Johnston, Walter I., assignor.)

LIST OF DESIGN PATENTEES

Abrams, Talbert, Lansing, Mich. Airplane. 113,649; Mar. 7.

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Allen, Grosvenor N., Kenwood Station, Oneida, and L. E. Ressegger, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 113,614; Mar. 7.

Allen, Grosvenor N., Kenwood Station, Oneida, and M. P. Fleming, Niagara Falls, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 113,615; Mar. 7.

Allen, Grosvenor N., Kenwood Station, Oneida, and M. P. Fleming, Niagara Falls, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 113,616; Mar. 7.

Art Tool & Die Company. (See Bogle, John C., assignor.)

Ashmore, Leon H., Collingswood, assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Combination desk unit or similar article. 113,617; Mar. 7.

Babcock, Denison, New York, N. Y. Puzzle. 113,650; Mar. 7.

Bailey, Arnold B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna counterpoise. 113,693; Mar. 7.

Balthazar, Arthur, assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass. Tire. 113,651; Mar. 7.

Barnett, Jack, Brooklyn, N. Y. Slipper or similar article. 113,618; Mar. 7.

Bell Telephone Laboratories, Incorporated. (See Bailey, Arnold B., assignor.)

Berlinger, Frederick F., New York, N. Y. Textile fabric. 113,619; Mar. 7.

Bilofsky, Maxwell M., North Bergen, N. J., assignor to Duro-Test Corporation. Fluorescent tube unit. 113,652; Mar. 7.

Bogle, John C., assignor to Art Tool & Die Company, Detroit, Mich. Therapeutic diagnostic device. 113,653; Mar. 7.

Brunswick-Balke-Collender Company, The. (See Ellison, Clifford L., assignor.)

Budd Wheel Company. (See Eksergian, C. L., and Davenport, assignors.)

Budd Wheel Company. (See Eksergian, C. L., and Farr, assignors.)

Cairns, William F., New Haven, Conn., assignor to United States Rubber Company, New York, N. Y. Shoe sole. 113,620; Mar. 7.

Case, Harold W. (See Taylor, J. G., and Case.)

Cherry-Burrell Corporation. (See Dalzell, Charles B., assignor.)

Cherry-Burrell Corporation. (See Neely, Raymond J., assignor.)

Cohn, Adolph H., New York, N. Y. Perfume display stand. 113,621; Mar. 7.

Cookware Company of America. (See Howlett, Lewis G., assignor.)

Dalzell, Charles B., Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Heat exchanger. 113,654; Mar. 7.

Davenport, Talmon A. (See Eksergian, C. L., and Davenport.)

Davis, Joseph, Arlington, N. J. Teething ring or similar article. 113,655; Mar. 7.

Derman, Harry, Laurelton, Long Island, N. Y. Closet. 113,622; Mar. 7.

Dialite Company, The. (See Swalley, W. C., and Lichtinger, assignors.)

Dick, Samuel H., New York, N. Y. Coat. 113,656; Mar. 7.

Dunner, Max, Brooklyn, assignor to W. Finkelstein, doing business as Eastern Trading Company, New York, N. Y. Comb. 113,657; Mar. 7.

Duro-Test Corporation. (See Bilofsky, Maxwell M., assignor.)

Eastern Trading Company. (See Dunner, Max.)

Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 113,658; Mar. 7.

Eksergian, Carolus L., and W. H. Farr, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 113,659; Mar. 7.

Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 113,660; Mar. 7.

Eksergian, Carolus L., and T. A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 113,661; Mar. 7.

Ellison, Clifford L., Oak Park, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Lamp. 113,623; Mar. 7.

Esterbrook Steel Pen Manufacturing Co. (See Ashmore, Leon H., assignor.)

Etkin, Simon, New York, N. Y. Dress ensemble. 113,662; Mar. 7.

Farr, Warren H. (See Eksergian, C. L., and Farr.)

Ferlauto, Frances O., New York, N. Y. Tablecloth or similar article. 113,624; Mar. 7.

Ferlauto, Frances O., New York, N. Y. Tablecloth or similar article. 113,625; Mar. 7.

Finkelstein, William. (See Dunner, Max, assignor.)

Fisk Rubber Corporation, The. (See Balthazar, Arthur, assignor.)

Fleming, Mary P. (See Allen, G. N., and Fleming.)

Frank, William H., Detroit, Mich. Electric control panelboard unit. 113,663; Mar. 7.

Fuller, Park, Berkeley, Calif., assignor to Micro-Westco, Inc., Bettendorf, Iowa. Casing for a pump unit. 113,664; Mar. 7.

Gagnon, Lawrence J., Cleveland, Ohio. Lamp. 113,626; Mar. 7.

Gagnon, Lawrence J., Cleveland, Ohio. Lamp. 113,627; Mar. 7.

Geauque, Harry A. (See Jones, D. P., and Geauque.)

Genin, Louis E., Bloomfield, N. J. Hand wrench. 113,665; Mar. 7.

Government of the United States of America, as represented by the Secretary of War. (See Taylor, J. G., and Case, assignors.)

Gugler, Eric, assignor to Steinway & Sons, New York, N. Y. Piano case. 113,628; Mar. 7.

Gugler, Eric, assignor to Steinway & Sons, New York, N. Y. Lyre for a piano. 113,629; Mar. 7.

Gugler, Eric, assignor to Steinway & Sons, New York, N. Y. Piano leg. 113,630; Mar. 7.
Gugler, Eric, assignor to Steinway & Sons, New York, N. Y. Grand piano. 113,631; Mar. 7.
Handler, Maurice S., New York, N. Y. Coat. 113,666; Mar. 7.
Handler, Maurice S., New York, N. Y. Coat. 113,667; Mar. 7.
Higgins, Andrew J., New Orleans, La. Boat hull. 113,668; Mar. 7.
Higgins, Andrew J., New Orleans, La. Combined propeller shaft strut and rudder support. 113,694; Mar. 7.
Hochman, Louis, Brooklyn, N. Y. Lady's handbag. 113,669; Mar. 7.
Howlett, Lewis G., assignor to Cookware Company of America, Hartford, Mich. Cooking vessel. 113,632; Mar. 7.
International Corset Company. (See Schopbach, C. H., and Laguzzi, assignors.)
Jones, Douglas P., St. Louis County, and H. A. Geanque, St. Louis, Mo. Steam electric iron. 113,670; Mar. 7.
Jones, Harry S., South Orange, and R. P. Moore, Livingston, N. J. Game board. 113,671; Mar. 7.
Kahn, Max, New York, N. Y. Mechanical pencil or similar article. 113,633; Mar. 7.
Kavalir, Charles, New York, N. Y. Beverage cooler. 113,672; Mar. 7.
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Laguzzi, Mario. (See Schopbach, C. H., and Laguzzi.)
Lampel, Ida, New York, N. Y. Dress ensemble. 113,673; Mar. 7.
Leff, Jacques H., New York, N. Y. Brooch or similar article. 113,634; Mar. 7.
Lentini, Helen, New York, N. Y. Combination dress. 113,674; Mar. 7.
Lewis, Florence N., New York, N. Y. Combined perfume container and stand therefor. 113,635; Mar. 7.
Lewis, Florence N., New York, N. Y. Combined perfume container and stand therefor. 113,636; Mar. 7.
Liberty Lace and Netting Works. (See Moosherr, John, assignor.)
Lichtinger, Arthur J.. (See Swalley, W. C., and Lichtinger.)
Lyon, George A., Allenhurst, N. J. Wheel disk or similar article. 113,675; Mar. 7.
Mastin, Francis B., New York, N. Y. Eye bandage. 113,676; Mar. 7.
Mercer, Fay G., assignor of two-thirds to N. T. Roberts, Phoenix, Ariz. Display stand. 113,637; Mar. 7.
Michelson, Margaret, New York, N. Y. Dress. 113,695; Mar. 7.
Micro-Westco, Inc. (See Fuller, Park, assignor.)
Milhening, Frank, Evanston, assignor to J. Milhening, Inc., Chicago, Ill. Ring mounting. 113,638; Mar. 7.
Milhening, J., Inc. (See Milhening, Frank, assignor.)
Miller, Donald L., Des Moines, Iowa. Bicycle handle bar brace. 113,677; Mar. 7.
Moore, Robert P. (See Jones, H. S., and Moore.)
Moosherr, John, assignor to Liberty Lace and Netting Works, New York, N. Y. Lace. 113,639; Mar. 7.
Morbee, Richard, Chicago, Ill. Combination field glass and case. 113,640; Mar. 7.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Heater. 113,678; Mar. 7.
Neely, Raymond J., Little Falls, N. Y., asignor to Cherry-Burrell Corporation, Chicago, Ill. Liquid filter. 113,679; Mar. 7.
Oneida Ltd. (See Allen, G. N., and Fleming, assignors.)
Oneida Ltd. (See Allen, G. N., and Ressegger, assignors.)
Opp, John, New Philadelphia, Ohio. Clothes sprinkler. 113,680; Mar. 7.
Parsons, William L., Jr., Omaha, Nebr. Display trailer. 113,681; Mar. 7.
Perell, Margaret, New York, N. Y. Blouse. 113,682; Mar. 7.
Poley, Morris, Larchmont, N. Y. Curtain fabric or similar article. 113,641; Mar. 7.
Price, David W., New York, N. Y. Dress. 113,683; Mar. 7.
Reconstruction Finance Corporation. (See Staines, Samuel E., assignor.)
Ressegger, Lloyd E. (See Allen, G. N., and Ressegger.)
Roberts, Nathaniel T. (See Mercer, Fay G., assignor.)
Rudolph Wurlitzer Company, The. (See Zaiser, William, assignor.)
Schoen, Elizabeth, New York, N. Y. Hat. 113,696; Mar. 7.
Schopbach, Charles H., and M. Laguzzi, assignors to International Corset Company, Aurora, Ill. Corset 113,684; Mar. 7.
Schopbach, Charles H., and M. Laguzzi, assignors to International Corset Company, Aurora, Ill. Foundation garment. 113,685; Mar. 7.
Schwartz, Anna, New York, N. Y. Dress ensemble. 113,686; Mar. 7.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sholtz, David, Miami, Fla., assignor, by mesne assignments, to Thompson's Limited, New York, N. Y. Pocket medicine container. 113,687; Mar. 7.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel body. 113,688; Mar. 7.
Staines, Samuel E., Ridgewood, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Textile fabric. 113,697; Mar. 1.
Steinway & Sons. (See Gugler, Eric, assignor.)
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture or similar article. 113,642; Mar. 7.
Swalley, William C., and A. J. Lichtinger, assignors to The Diallte Company, Cleveland, Ohio. Combined lamp and stand for dial telephone. 113,698; Mar. 7.
Taylor, James G., and H. W. Case, Dayton, Ohio, assignors to the Government of the United States of America, as represented by the Secretary of War. Medium range load carrying airplane. 113,689; Mar. 7.
Thompson's Limited. (See Sholtz, David, assignor.)
Tresenberg, Paul, New York, N. Y. Cosmetic spreading roller. 113,690; Mar. 7.
United States Rubber Company. (See Cairns, William F., assignor.)
Van Auken, Charles M., Highland Park, Mich. Radiator grille guard. 113,691; Mar. 7.
Von, Frank, Los Angeles, Calif. Manicure drier. 113,643; Mar. 7.
Weiner, Ben, Lewiston, Maine. Shoe. 113,644; Mar. 7.
Winston, Virginia, Jackson Heights, N. Y. Tablecloth or similar article. 113,645; Mar. 7.
Winston, Virginia, Jackson Heights, N. Y. Tablecloth or similar article. 113,646; Mar. 7.
Winston, Virginia, Jackson Heights, N. Y. Tablecloth or similar article. 113,647; Mar. 7.
Wittmayer, Sandor A., New York, N. Y. Ring or similar article. 113,692; Mar. 7.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Piano bench. 113,648; Mar. 7.
Zimmerman, Samuel, New York, N. Y. Suit. 113,699; Mar. 7.
Zimmerman, Samuel, New York, N. Y. Suit. 113,700; Mar. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aaronson, Henry A., Dover, N. J. Preparation of dinitroethyleneurea. 2,149,260; Mar. 7.
Aceves, Julius G. (See Parker, H. F., and Aceves.)
Ackerman, Albert A., South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Strip folder. 2,149,755; Mar. 7.
Ahler, Anthony, Lyons, Wis. Clutch control. 2,149,262; Mar. 7.
Ahlert, Wilhelm, Berlin-Tempelhof, Germany. Welding metals. 2,150,045; Mar. 7.
Aiken, Charles B., La Fayette, Ind., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge type of apparatus. 2,149,328; Mar. 7.
Ainsworth, Albert A., Ossining, N. Y. Album. 2,149,488; Mar. 7.
Ainsworth, Albert A., Ossining, N. Y. Album. 2,149,489; Mar. 7.
Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)
Akerlind, Hilmer G. A. (See Frunk, O. E., and Åkerlind.)
Aktiebolaget Linham. (See Frunk, O. E., and Åkerlind, assignors.)
Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
Albertson & Company. (See Albertson, F. O., and Olsen, assignors.)
Albertson, Frank O., and G. A. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Methods and compositions for spraying metal. 2,149,825; Mar. 7.
Albertson, Frank O., and G. A. Olsen, assignors to Albertson & Company, Inc., Sioux City, Iowa. Methods and compositions for spraying metal. 2,149,826; Mar. 7.
Allan, William, Jr. (See Phillips, A. H., and Allan.)
Allard, Arthur R., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic welding. 2,149,490; Mar. 7.
Allard, Arthur R., Drexel Hill, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flux for automatic welding apparatus. 2,149,491; Mar. 7.
Allegheny Ludlum Steel Corporation. (See Clements, MacMillan, assignor.)
Allen, James L. (See Stinson, Lyman A., assignor.)
Allis-Chalmers Manufacturing Company. (See Flamm, Joseph, assignor.)
Allis-Chalmers Manufacturing Company. (See Kollberg, G. L., and Shaw, assignors.)
Allmanna Svenska Elektriska Aktiebolaget. (See Lamm, U., and Forssell, assignors.)
Allmänna Svenska Elektriska Aktiebolaget. (See Ytterberg, Arle, assignor.)
Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 2,149,987; Mar. 7.
Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,150,091; Mar. 7.
American Bosch Corporation. (See Kongsted, Ludvig P., assignor.)
American Box Board Company. (See Burns, John S., assignor.)
American Coating Mills, Inc. (See Gilbert, Clyde L., assignor.)
American Cyanamid Co. (See Anderson, A. E., and Hedley, assignors.)
American Ecla Corporation. (See Schwartz, Fernand F., assignor.)
American Machine & Foundry Company. (See Van Veen, Anton, assignor.)
American Machine & Metals Inc. (See Harlan, Howard H., assignor.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Sales Book Company. (See Phillips, A. H., and Allan, assignors.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Well & Prospecting Company. (See Anderson, Carl M., assignor.)
Anaconda Wire & Cable Company. (See MacLeod, Lester R., assignor.)
American Zinc, Lead & Smelting Company. (See Maidens, William T., assignor.)
Anaconda Wire & Cable Company. (See Talbott, James E., assignor.)
Anderson, Arvid E., New Canaan, and N. Hedley, Old Greenwich, Conn., assignors to American Cyanamid Co., New York, N. Y. Differential flotation of lead-zinc ores. 2,150,114; Mar. 7.
Anderson, August E., Montclair, N. J. Spark plug with enlarged cooling chamber. 2,149,261; Mar. 7.
Anderson, Carl M., Corsicana, Tex., assignor to American Well & Prospecting Company. Brake controlling lever mechanism. 2,149,718; Mar. 7.
Anderson, Carl R., assignor to The Griswold Manufacturing Company, Erie, Pa. Damper. 2,149,565; Mar. 7.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Boston, Mass. Air distributor. 2,149,382; Mar. 7.
Anderson, William B., West Springfield, and J. N. Saler, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flexible ice tray grid. 2,149,933; Mar. 7.
Anderson, William M., assignor to Kerner and Anderson, Minneapolis, Minn. Toaster. 2,149,566; Mar. 7.
Andre, Gustaf E., Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill. Lightning arrester. 2,149,827; Mar. 7.
Annen, Robert, assignor to the firm Roulements a Billes Miniatures S. A., Bienne, Switzerland. Ball bearing for rotor shafts. 2,149,492; Mar. 7.
Applegate, J. Simms, et al. (See Lyda, Arthur W., assignor.)
Applied Arts Corporation. (See De Boer, Rudolph F., assignor.)
Arenberg, David L., Rochester, and P. M. Roope, Worcester, Mass. Measuring apparatus. 2,149,756; Mar. 7.
Armour and Company. (See Ralston, A. W., and Pool, assignors.)
Armstrong, Harry H., and A. B. Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C. Thermionic tube. 2,149,656; Mar. 7.
Armstrong, Harry H., and A. B. Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C. Thermionic tube. 2,149,657; Mar. 7.
Armstrong, Harry H., and A. B. Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C. Thermionic tube. 2,149,658; Mar. 7.
Arnest, Harry L., Arlington, Va. Electric outlet box. 2,149,719; Mar. 7.
Arnold, Charles F. (See Boury, C. H., and Arnold.)
Ashley, Frank M., Great Kills, assignor to L. Gompers, trustee, New York, N. Y. Inkstand. 2,149,988; Mar. 7.
Ashley, Frank M., Great Kills, assignor to L. Gompers, trustee, New York, N. Y. Inkstand. 2,149,989; Mar. 7.
Ashmore, Leon H., Collingswood, and G. Trotman, Haddonfield, assignors to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J. Inkwell. 2,149,263; Mar. 7.
Ashton, Douglas W., assignor to J. O. Ker, Ottawa, Ontario, Canada. Tamperproof car tag. 2,149,411; Mar. 7.
Askania-Werke A. G. (See Wünsch, G., and Blasig, assignors.)
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Associated Electric Laboratories, Inc. (See Smith, Arthur B., assignor.)
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Associated Press, The. (See Carlson, Harold, assignor.)
Associated Telephone and Telegraph Company. (See Saxby, Robert N., assignor.)
Atlantic Refining Company, The. (See Butz, John G., assignor.)
Atlas Powder Company. (See Holst, William H., assignor.)
Atler, Dorothy R., et al. (See Leiser, Henry, assignor.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Inc., New York, N. Y. Treatment of hydrocarbons. 2,149,493; Mar. 7.
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Wagon. 2,149,949; Mar. 7.
Autogiro Company of America. (See Pecker, Joseph S., assignor.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Avery, W. & T., Limited. (See Sykes, C. M., and Binns, assignors.)

Axline, Paul M., East Lansing, Mich. Double action tooth brush. 2,149,950; Mar. 7.
B. B. Chemical Co. (See Nash, Russell K., assignor.)
Bacon, Henry M., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Hold-up for textile machinery. 2,149,567; Mar. 7.
Bacon, Henry M., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Picker for textile machinery. 2,149,568; Mar. 7.
Bakelite Corporation. (See Butler, W. H., and Gross, assignors.)
Bakelite Corporation. (See Gunderson, Gothfried C., assignor.)
Baker, Edward C., Avenel, N. J. Propeller. 2,149,951; Mar. 7.
Ball, Robert W., Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Coated cellulosic fabric. 2,149,329; Mar. 7.
Ballauf, Frintz, Cologne-Mulheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs. 2,149,494; Mar. 7.
Balz, William G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,149,413; Mar. 7.
Bangs, Ralph L., Wakefield, assignor to Forest Wadding Company, Boston, Mass. Container. 2,149,412; Mar. 7.
Bar-B-Buns, Inc. (See Strietelmeier, John E., assignor.)
Bard, Charles T., Gales Ferry, Conn. Corer. 2,150,046; Mar. 7.
Bardons & Oliver, Inc. (See Kylin, Oskar, assignor.)
Barnard, Clifford B., and E. L. Hahn, McAllen, Tex. Wall construction. 2,149,495; Mar. 7.
Barnard, Randolph H., Toledo, Ohio. Method of and apparatus for forming glass tubes, rods, and the like. 2,150,017; Mar. 7.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Reversible electric motor. 2,149,569; Mar. 7.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Radio tuner. 2,149,570; Mar. 7.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake arrangement. 2,149,496; Mar. 7.
Bates, Alice, Long Island City, N. Y. Glove. 2,150,018; Mar. 7.
Battey, William A., Haverford, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Hammer mill. 2,149,571; Mar. 7.
Baule, Gerhard H. J., Syracuse, N. Y. Booster mechanism. 2,150,019; Mar. 7.
Baxley, Edward C. (See Brown, Elmer L., assignor.)
Baxley, Grace A. (See Brown, Elmer L.)
Beach, Clarence E., Brookline, Mass. Signal mechanism. 2,149,572; Mar. 7.
Bean, George G., Boston, Mass. Ear muff. 2,149,383; Mar. 7.
Beard, Earl E., South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinonediphenyldithiazoles. 2,150,092; Mar. 7.
Beard, Earl E., South Milwaukee, and M. A. Perkins, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,150,093; Mar. 7.
Beatie, Cecil E., Los Angeles, Calif., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Process and apparatus for cracking oil. 2,149,828; Mar. 7.
Beattie, Clay H., Jr., Covina, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Orientation apparatus. 2,149,716; Mar. 7.
Becker, Helmut, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. View finder for photographic cameras. 2,149,384; Mar. 7.
Becker, Walter A., assignor to Old Dominion Box Company, Charlotte, N. C. Sealed shipping case. 2,149,720; Mar. 7.
Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Indicating and switching apparatus. 2,149,829; Mar. 7.
Belden Manufacturing Company. (See Andre, Gustaf E., assignor.)
Bell, David A., Chelmsford, England, assignor to Radio Corporation of America. Thermionic oscillation generator. 2,149,721; Mar. 7.
Bell, Leon M., Portsmouth, Ohio. Barrel sput. 2,149,906; Mar. 7.
Bell, Sidney R., Stamford, Conn. Toy typewriter. 2,149,264; Mar. 7.
Bell Telephone Laboratories, Incorporated. (See Aiken, Charles B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Darnell, Paul S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lundstrom, Alexis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vaughan, Henry E., assignor.)
Beller, Hans, and J. J. Owen, Baton Rouge, La. Purified alcohol sulphates and making the same. 2,149,265; Mar. 7.
Bendele, Adolf, Dusseldorf-Oberkassel, Germany. Pane fastener. 2,149,385; Mar. 7.
Bender, Sydney E., New York, N. Y. Weighted sample tab. 2,149,830; Mar. 7.
Bendix Aviation Corporation. (See Frei, Jakob R., assignor.)
Benjamin, Abraham S., assignor to Teletype Corporation, Chicago, Ill. Intercommunicating and broadcasting switchboard. 2,149,386; Mar. 7.
Benner, Raymond C. (See Melton, R. L., Kirchner, and Benner.)
Beregh Manufacturing Co. Inc. (See Beregh, Theodore J., assignor.)
Beregh, Theodore J., Patchogue, assignor to Beregh Manufacturing Co. Inc., New York, N. Y. Spraying device. 2,149,266; Mar. 7.
Berg, Hilmer F., Port Angeles, Wash. Log raft and log rafting mechanism. 2,149,497; Mar. 7.
Bergman, Donald J., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,149,831; Mar. 7.
Bernard, David G., assignor, by mesne assignments, to D. M. Carter, Chicago, Ill. Roll of paper for high speed pasters. 2,149,832; Mar. 7.
Bernard, David G., assignor, by mesne assignments, to D. M. Carter, Chicago, Ill. Preparing a roll of paper for high speed pasters. 2,149,833; Mar. 7.
Berndt, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Vertical antenna. 2,149,415; Mar. 7.
Bernhard, Albrecht, and G. Beyrich, Nuremberg, Germany, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete. Photoelectric exposure meter. 2,150,047; Mar. 7.
Bethenod, Joseph, Paris, France, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva. Induction excitation of electric discharge tubes. 2,149,414; Mar. 7.
Bettis, Wilbur F., assignor to M. O. Johnston, Glendale, Calif. Fluid release device. 2,149,659; Mar. 7.
Beweg A.-G., Werkstätte für das Graphische Gewerbe. (See Oppliger, Ernst, assignor.)
Beyrich, Guido. (See Bernhard, A., and Beyrich.)
Bieber, Clarence G., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Treatment of nickel and nickel alloys and products resulting therefrom. 2,150,094; Mar. 7.
Bing, Joseph M., New York, N. Y. Photometer. 2,149,250; Mar. 7.
Binns, Arthur. (See Sykes, C. M., and Binns.)
Birch, Frank T., Mimico, Ontario, Canada. Brake shoe. 2,149,952; Mar. 7.
Birnbaum, August K., assignor of one-half to H. C. Cockburn, Houston, Tex. Automatic leveler for gravity measuring instruments. 2,149,953; Mar. 7.
Black, Rowland J. (See Caldwell, S. H., and Black.)
Blackburn, Ernest L., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa. Wire fabric. 2,149,834; Mar. 7.
Blanchard, Carlton D., Norwich, Conn. Supporting means for funnels and the like. 2,149,722; Mar. 7.
Blankenhorn, Warren A., Chattanooga, Tenn. One-piece undergarment. 2,149,416; Mar. 7.
Blasig, Kurt. (See Wünsch, G., and Blasig.)
Blood, Charles F., Jr., Springfield, assignor of one-half to C. P. Price, Natick, Mass. Liquid distributing apparatus. 2,149,660; Mar. 7.
Blount, Harry, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for treating dies. 2,149,330; Mar. 7.
Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Composition for application to organic derivatives of cellulose. 2,149,498; Mar. 7.
Blumenthal, Bernhard. (See Hadenfeldt, H., and Blumenthal.)
Blumlein, Alan D., Ealing, England, assignor to Electric & Musical Industries Limited. Electric circuits for reducing the effect of shunt capacity or reactance introduced by circuit elements. 2,149,331; Mar. 7.
Boeing Aircraft Company. (See Haberlin, John F., assignor.)
Boeing Aircraft Company. (See Price, Nathan C., assignor.)
Bogin, Charles, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Applying celluiose derivative lacquers. 2,150,096; Mar. 7.
Boller, Ernest R., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wood preservation. 2,149,332; Mar. 7.
Bommer, Max. (See Grossmann, P., and Bommer.)
Boordsen, John M., New London, Conn. Soil opener for planting bulbs and the like. 2,149,880; Mar. 7.
Boots, Edmund R. (See John, R., and Boots.)
Borden Company, The. (See Fleming, R. S., Parker, and Hawley, assignors.)
Boston Wire Stitcher Company. (See Cavanagh, John F., assignor.)

Bottle, Edward K., Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Record receiving device. 2,149,499; Mar. 7.
Bottle, Edward K., Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Manifolding record assembly. 2,149,500; Mar. 7.
Bottle, Edward K., deceased; by S. J. Bottle, administratrix, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Record. 2,149,501; Mar. 7.
Bottle, Edward K., deceased; by S. J. Bottle, administratrix, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Continuous interleaved record supplies. 2,149,502; Mar. 7.
Bottle, Sara J., administratrix. (See Bottle, Edward K.)
Bounds, Orville T., Centralia, Ill. Fingerprinting device. 2,149,573; Mar. 7.
Bouvy, Christiaan H., and C. F. Arnold, assignors to General Motors Corporation, Detroit, Mich. Fan. 2,149,267; Mar. 7.
Bowlin, Henry, Tensha, Tex. Insect destroyer. 2,149,503; Mar. 7.
Bowser, S. F., & Company. (See Cook, J. F., Jr., and Moore, assignors.)
Box, Harry, Cedar Rapids, Iowa. Fastener. 2,149,665; Mar. 7.
Boyd, John B., Reno, Nev. Level. 2,150,048; Mar. 7.
Brandt, Edgar. (See Schenk, Edouard H., assignor.)
Brandt, Robert L., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Mineral oil sulphonates. 2,149,661; Mar. 7.
Brandt, Robert L., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Mineral oil sulphonates. 2,149,662; Mar. 7.
Brassert, H. A., & Company. (See Paschke, M., and Peetz, assignors.)
Brazier, Leslie G. (See Hunter, P. V., Brazier, and Hill.)
Brennan, Daniel A., Chicago, Ill. Perforating device. 2,149,268; Mar. 7.
Bridge, George L., Ladue Village, Mo. Stove. 2,149,835; Mar. 7.
Bridgeport Brass Company. (See Stapley, Philip H., assignor.)
Briese, Fritz, assignor to O. Sieffen, Apparatebau, Soest, Germany. Universal joint. 2,149,907; Mar. 7.
Briggs, Robert E., Columbus, Ohio, assignor to Jeffrey Manufacturing Company. Take-up mechanism. 2,149,723; Mar. 7.
Bright, Harold. (See Richards, A. F. W., and Bright.)
Brighten, Frank, London, England. Strap and buckle fastening. 2,149,663; Mar. 7.
Brink, Winfield S., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Steel section. 2,149,757; Mar. 7.
British Acoustic Films Ltd. (See Kolb, Otto K., assignor.)
Brock, Harold W., Milwaukee, Wis., assignor to C. E. Rogers Company, Detroit, Mich. Vacuum pan for condensing milk products. 2,149,954; Mar. 7.
Brooks, Hayden, and R. A. Davis, Birmingham, Ala., assignors to Chicago Bridge & Iron Company. Lime slaking process. 2,149,269; Mar. 7.
Brooks, John C., Paterson, N. J. Loom. 2,149,724; Mar. 7.
Brown, Arthur B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Solvent extraction of waxy oils. 2,149,574; Mar. 7.
Brown, Benjamin G., Flint, assignor to General Motors Corporation, Detroit, Mich. Intake silencer. 2,149,836; Mar. 7.
Brown & Bigelow. (See Wege, John P., assignor.)
Brown, Cicero C., Houston, Tex. Removing pipe from wells. 2,149,417; Mar. 7.
Brown, Elmer L., assignor to E. C. Baxley, San Francisco, Calif.; G. A. Baxley, guardian of said E. C. Baxley, insane. Electron relay apparatus. 2,149,387; Mar. 7.
Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Combined low frequency and turnstile antennas. 2,149,333; Mar. 7.
Brown Instrument Company. (See Parker, H. F., and Aceves, assignors.)
Brown, Lloyd W., Rochester, N. Y., and H. T. Wood, Camp Hill, Pa. Arch supporting shoe. 2,149,664; Mar. 7.
Browne, Carl N., Panama City, Fla., assignor of one-half to I. F. McDonnell, Birmingham, Ala. Fishing rod handle. 2,149,837; Mar. 7.
Brunatto, Emanuele, Paris, France. Means and method of saturating transmission air. 2,149,504; Mar. 7.
Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Combined arc lamp and incandescent lamp. 2,149,505; Mar. 7.
Bruns, William H., Lincolndale, assignor to Otis Elevator Company, New York, N. Y. Electromagnetic device. 2,149,418; Mar. 7.
Bruse, Walter, Berlin-Sudende, Germany. Link type connecting rod. 2,149,419; Mar. 7.
Buckley, John H. (See James, C. F., and J. H. and S. D. Buckley.)
Buckley, Samuel D. (See James, C. F., and J. H. and S. D. Buckley.)
Budd, Edward G., Manufacturing Company. (See Farr, William W., assignor.)
Budd, Edward G., Manufacturing Co. (See Ragsdale, E. J. W., and Tilsher, assignors.)
Bump, Albert H., Watertown, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Bleaching minerals. 2,149,506; Mar. 7.
Bundy, Maurice G., Kansas City, Kans., assignor to H. H. Potter, Kansas City, Mo. Door mounting mechanism. 2,149,575; Mar. 7.
Bunting Brass & Bronze Company, The. (See Gillett, H. W., and Dayton, assignors.)
Burgess, Louis, New York, N. Y. Coffee maker. 2,149,270; Mar. 7.
Burns, Chester S., Ellensburg, Wash. Chaining pin carrier for surveyors. 2,149,758; Mar. 7.
Burns, John S., assignor to American Box Board Company, Grand Rapids, Mich. Container construction. 2,149,955; Mar. 7.
Burrell, Edward P., Shaker Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Way guard for machine tools. 2,149,881; Mar. 7.
Burton-Dixie Corporation. (See Ward, J. C., Jr., and Mueller, assignors.)
Bush, William B., Knoxville, Tenn. Smoking pipe. 2,150,049; Mar. 7.
Buster, Sanford D., Jr. (See Corcoran, Edward G., assignor.)
Butler, William H., Palisades Park, N. J., and E. H. Gross, Wethersfield, Conn., assignors to Bakelite Corporation, New York, N. Y. Electrical structure. 2,149,805; Mar. 7.
Butz, John G., assignor to The Atlantic Refining Company, Philadelphia, Pa. Lubricant. 2,149,271; Mar. 7.
Caldwell, Frank W., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Controllable pitch propeller. 2,149,388; Mar. 7.
Caldwell, Stuart H. (See Girl, C., Dunston, and Caldwell.)
Caldwell, Stuart H., and R. J. Black, assignors to C. Girl, Detroit, Mich. Hinge structure. 2,149,576; Mar. 7.
California Spray-Chemical Corporation. (See Vickery, Frederick P., assignor.)
Callender's Cable and Construction Company Limited. (See Hunter, P. V., Brazier, and Hill.)
Callendar's Cable and Construction Company Limited. (See Hunter, P. V., and Hill, assignors.)
Calleo, John J., Lodi, N. J. Sleeve lifting pad for garments. 2,149,806; Mar. 7.
Cameron, Joseph A., Montreal, Quebec, Canada, assignor to The Symington-Gould Corporation, Rochester, N. Y. Car truck. 2,149,272; Mar. 7.
Camfield, Russell W., Marion, Ind. Forming laminated shaped articles. 2,149,507; Mar. 7.
Cannana, Georges, Paris, France. Electric flatiron with self-acting safety device. 2,149,251; Mar. 7.
Canarlis, Svend A., Pittsburgh, Pa. Apparatus for controlling the operation of cone valves. 2,149,725; Mar. 7.
Cantelo, John S., East Cambridge, Mass. Caster. 2,149,389; Mar. 7.
Cantrell, Troy L., Lansdowne, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of phenol-olefin reaction products useful as gasoline gum inhibitors. 2,149,759; Mar. 7.
Carbide and Carbon Chemicals Corporation. (See Collins, Earl P., assignor.)
Carborundum Company, The. (See Melton, R. L. Kirchner, and Benner, assignors.)
Carlson, Gilbert J., Bradford, Pa. Insulator clamp. 2,149,760; Mar. 7.
Carlson, Harold, Rutherford, N. J., assignor to The Associated Press, New York, N. Y. Portable picture transmission apparatus. 2,149,277; Mar. 7.
Carlson, Oscar, East Providence, R. I., assignor to Dolan & Bullock. Collar holder. 2,150,020; Mar. 7.
Carmody, William H., assignor to The Neville Company, Pittsburgh, Pa. Resin manufacture. 2,149,275; Mar. 7.
Carmody, William H., Pittsburgh, Pa., assignor to The Neville Company. Distillate oil from still residues. 2,149,577; Mar. 7.
Carney, William J., Columbus, Ohio. Nut making machine. 2,149,578; Mar. 7.
Carothers, Wallace H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides. 2,149,273; Mar. 7.
Carson Machine & Supply Co. (See Hickman, John M., assignor.)
Carter, Donald M. (See Bernard, David G., assignor.)
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Air flow control for underfeed stokers. 2,149,934; Mar. 7.
Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna system. 2,149,726; Mar. 7.
Cartier, Inc. (See Hennings, Gustav, assignor.)
Casci, Gene, et al. (See Starke, Anton A., assignor.)
Casci, Georgiana, et al. (See Starke, Anton A., assignor.)
Cassettari, Don, et al. (See Starke, Anton A., assignor.)
Catini, Vincenzo, assignor to Spiral Binding Company, Inc., New York, N. Y. Loose leaf binding. 2,149,838; Mar. 7.
Cavanagh, John F., Providence, assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener applying implement. 2,149,839; Mar. 7.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)
Celanese Corporation of America. (See Moncrieff, R. W., and Miller, assignors.)
Chambers, John E., Shelbyville, Ind. Stove. 2,149,420; Mar. 7.
Chambless, James D., Bronwood, assignor to C. C. Lowrey, Dawson, Ga. Cane stripper. 2,149,935; Mar. 7.
Champagne, Herbert, et al. (See Lucas, Ralph, assignor.)
Champion Corporation. (See Knoerzer, Arthur T., assignor.)
Chase Companies, The. (See Coe, John S., assignor.)
Chemical Works formerly Sandoz. (See Kartaschoff, Valentin, assignor.)
Chemische Fabrik von Heyden, A. G. (See Rittler W., and Gundel, assignors.)
Chicago Bridge & Iron Company. (See Brooks, H., and Davis, assignors.)
Chilowsky, Constantin, Paris, France. Apparatus for translating variations of illumination into mechanical actions. 2,150,050; Mar. 7.
Chilowsky, Constantin, Paris, France. Photoresponsive apparatus. 2,150,051; Mar. 7.
Chilowsky, Constantin, Paris, France. Photoresponsive apparatus. 2,150,052; Mar. 7.
Chilowsky, Constantin, Paris, France. Mercury contactor. 2,150,053; Mar. 7.
Choma, Michall, assignor of one-half to J. Mongan, East St. Louis, Ill. Shoe repair last. 2,149,334; Mar. 7.
Christensen, Niels A., South Euclid, Ohio. Vehicle brake. 2,150,021; Mar. 7.
Chirstensen, Niels A., South Euclid, Ohio. Power controller for vehicle brakes. 2,150,022; Mar. 7.
Christiansen, Frederick A., Los Angeles, assignor of two-thirds to W. H. Hammer and one-third to L. Rhodes, Santa Monica, Calif. Electrical toy airplane. 2,149,666; Mar. 7.
Christianson, Andrew, Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Draft gear coupling arrangement. 2,149,840; Mar. 7.
Christine Association, Inc. (See Clarke, Vernie E., assignor.)
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Gear lapping machine. 2,149,909; Mar. 7.
Christmas, John K., U. S. Army, Easton, Pa. Wheel for track laying vehicles. 2,149,278; Mar. 7.
Chrysler Corporation. (See Jewell, Bernard W., assignor.)
Ciba Products Corporation. (See Gams, A., and Frey, assignors.)
Clack, Thomas H., New York, N. Y. Making rugs, and frame therefor. 2,149,274; Mar. 7.
Clack, Thomas H., New York, N. Y. Rug and making the same. 2,150,023; Mar. 7.
Clack, Thomas H., New York, N. Y. Rug making. 2,150,024; Mar. 7.
Clapp, Harold W., Cornwall, Ontario, Canada. Safety razor adjustment device. 2,149,421; Mar. 7.
Clarke, Vernie E., assignor to Christine Association, Inc., Los Angeles, Calif. Fluid pressure generator. 2,149,667; Mar. 7.
Clements, MacMillan, Schenectady, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Making a flanged panel. 2,149,882; Mar. 7.
Cleveland, Henry B., New York, N. Y. Process and apparatus for dewatering materials. 2,149,252; Mar. 7.
Cleveland Pneumatic Tool Company, The. (See Van Sittert, Paul, assignor.)
Cleveland Rock Drill Company, The. (See Feucht, Albert, assignor.)
Clickner, Earle D. (See Balz, W. G., and Clickner.)
Clow, Roy, Ann Arbor, Mich. Culinary implement. 2,149,910; Mar. 7.
Coats, Ray E., Lewistown, Ill. Bicycle lock. 2,149,761; Mar. 7.
Cockburn, Horton C. (See Birnbaum, August K., assignor.)
Coe, John S., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Apparatus for producing branch fittings. 2,149,508; Mar. 7.
Coffee Products Corporation. (See Wendt, G. L., and Fronmuller, assignors.)
Coffey, Elmer W., La Grange, Ill. Drafting triangle. 2,149,422; Mar. 7.
Colburn, Bearl E., Green Bay, Wis., assignor to Paper Dispensers, Inc., Chicago, Ill. Paper dispenser. 2,149,276; Mar. 7.
Colgate-Palmolive-Peet Company. (See Brandt, Robert L., assignor.)
Collegiate Manufacturing Co. (See Smutny, Theodore J., assignor.)
Collins, Earl P., Little Neck, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Fumigation system. 2,149,936; Mar. 7.
Collins, Harry R., deceased, Allentown, Pa.; M. H. Collins, administratrix. Pulverizer mill. 2,149,579; Mar. 7.
Collins, Harry R., deceased, Allentown, Pa.; M. H. Collins, administratrix. Pulverizer mill. 2,149,580; Mar. 7.
Collins, Harry R., deceased, Allentown, Pa.; M. H. Collins, administratrix. Pulverizer mill. 2,149,581; Mar. 7.
Collins, Harry R., deceased, Allentown, Pa.; M. H. Collins, administratrix. Pulverizer mill. 2,149,582; Mar. 7.
Collins, May H., administratrix. (See Collins, Harry R.)
Collins, William D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator cabinet. 2,149,807; Mar. 7.
Commercial Solvents Corporation. (See Bogin, Charles, assignor.)
Commercial Solvents Corporation. (See Hodge, Edward B., assignor.)
Commercial Solvents Corporation. (See Martin, J., and Hodge, assignors.)
Commercial Solvents Corporation. (See Vanderbilt, Byron M., assignor.)
Commercial Solvents Corporation. (See Wampner, Herbert L., assignor.)
Compagnie Electro-Mecanique. (See Darrieus, Georges, assignor.)
Conklin, James W., Rocky Point, N. Y., assignor to Radio Corporation of America. Volume control system. 2,149,727; Mar. 7.
Continental Can Company. (See Pearson, Paul E., assignor.)
Cook, Arthur. (See Vincent, G. G., and Cook.)
Cook, Junius F., Jr., and J. B. Moore, Chicago, Ill., assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Dispensing apparatus. 2,150,025; Mar. 7.
Cook, William H., Ottawa, Ontario, Canada. Humidity control for refrigerated spaces. 2,149,990; Mar. 7.
Cooper, Harry A., Maplewood, N. J. Treating metal surfaces to inhibit corrosion. 2,149,253; Mar. 7.
Copley, Michael J. (See Zellhoefer, G. F., Marvel, and Copley.)
Copley, Michael J., Urbana, assignor to G. F. Zellhoefer, Normal, Ill. Absorption medium. 2,149,937; Mar. 7.
Corcoran, Edward G., Los Angeles, assignor to S. D. Buster, Jr., Sausalito, Calif. Card punching and slotting machine. 2,149,583; Mar. 7.
Corswirt, Wilbert R., New York, N. Y. Constructional figure. 2,149,254; Mar. 7.
Corthals, Auguste, Ixelles-Brussels, Belgium. Piston. 2,149,423; Mar. 7.
Cotta Transmission Corporation. (See Nelson, Floyd R., assignor.)
Crabtree, David, and Son Limited. (See Felton, William, assignor.)
Craig, Palmer H., Cincinnati, Ohio, assignor to Invex Corporation. Ultraviolet lamp. 2,150,054; Mar. 7.
Criley, Wayne C., Kansas City, Mo. Starter for internal combustion engines. 2,150,026; Mar. 7.
Cronan, Clifford B., Newtonville, Mass. Universal bearing support. 2,149,728; Mar. 7.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Image eliminaton receiver. 2,150,115; Mar. 7.
Crosthwaite, Cedric, Darlington, England. Change-speed gearing. 2,149,668; Mar. 7.
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Cumpston, Curtis H., assignor of one-fourth to A. M. McMahon and one-fourth to J. Eckford, Dallas, Tex. Cotton-drier gin. 2,149,669; Mar. 7.
Cushman, James S., New York, N. Y. Holder for cards and other articles. 2,149,509; Mar. 7.
Cutler-Hammer, Inc. (See Stansbury, C., and Simon, assignors.)
Dahl, Otto. (See Osborn, D., and Dahl.)
Dahlen, Miles A., and F. Zwilgmeyer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye intermediates and preparing them. 2,149,335; Mar. 7.
Dalmer, Otto, Darmstadt, and E. Walter, Munich, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Derivatives of pyrazine carboxylic acid and their production. 2,149,279; Mar. 7.
Damrow Brothers Company. (See Damrow, Edward C., assignor.)
Damrow, Edward C., assignor to Damrow Brothers Company, Fond du Lac, Wis. Filtering apparatus. 2,149,956; Mar. 7.
D'Annunzio, Ugo, V., New York, N. Y. Apparatus for purifying air. 2,150,027; Mar. 7.
"Danuvia" Ipari és Kereskedelmi, R. T. (See Murbach, Emil, assignor.)
Darley, Lulah. (See Pennington, Stephen G., assignor.)
Darms, Lawrence J. (See McElwee, Albert E., assignor.)
Darnell, Paul S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductive device. 2,149,336; Mar. 7.
Darrieus, Georges, assignor to Compagnie Electro-Mecanique, Paris, France. Preventing deterioration of turbo-machines. 2,149,510; Mar. 7.
Dartmouth College, Trustees of. (See Ogle, Kenneth N., assignor.)
Davis, Harold G., Denver, Colo. Hose valve. 2,149,584; Mar. 7.
Davis, Robert A. (See Brooks, H., and Davis.)
Dawson, Chester R., Seattle, Wash. Ski climber. 2,149,585; Mar. 7.

Dawson, Orley H., Highland Park, Mich. Cribbing. 2,149,957; Mar. 7.
Dayton Pump & Mfg. Co., The. (See Horvath, Anthony G., assignor.)
Dayton Rubber Manufacturing Company, The. (See Bacon, Henry M., assignor.)
Dayton, Russell W. (See Gillett, H. W., and Dayton.)
De Boer, Rudolph F., Grand Rapids, Mich., assignor to Applied Arts Corporation. Ash receiver hinge. 2,149,586; Mar. 7.
De Coriolis, Ernest G., assignor to Surface Combustion Corporation, Toledo, Ohio. Heat treating furnace. 2,149,883; Mar. 7.
Deem, Arden G., Wilmington, and W. A. Lazier, Elsmere, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of aromatic dinitriles. 2,149,280; Mar. 7.
Deere & Company. (See Gorman, Fay O., assignor.)
Defives, Raymond, Brussels, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium. Remote control apparatus for the successive release of bombs in aircraft. 2,150,055; Mar. 7.
Deming, Robert, Norwood, assignor to Deming Rotary Pump Company, Cincinnati, Ohio. Rotary pump. 2,149,337; Mar. 7.
Deming Rotary Pump Company. (See Deming, Robert, assignor.)
Dempster, Alexander. (See Lederer, K. M., and Dempster.)
De Schrevel, Wilhelm A. K., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric resistance. 2,149,841; Mar. 7.
De Stubner, Emile C., Charleston, W. Va. Converting nonaqueous pulps. 2,149,281; Mar. 7.
De Stubner, Emile C., Charleston, W. Va. Manufacture of paint. 2,149,282; Mar. 7.
De Vivo, Robert, Brooklyn, N. Y. Time controlled switching system. 2,149,424; Mar. 7.
Diezel, Willy. (See Peyser, J., and Diezel.)
Dillehunt, William E., Baltimore, Md. Spring. 2,149,587; Mar. 7.
Dixie-Vortex Company. (See Wood, Andrew C., assignor.)
Dobeckmun Company, The. (See Schmidt, David, assignor.)
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,150,028; Mar. 7.
Dod, Leonard T. (See Moore, J. G., and Dod.)
Dodge, Howard M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Lining hollow articles with rubber. 2,149,991; Mar. 7.
Dolan & Bullock. (See Carlson, Oscar, assignor.)
Dole Valve Company, The. (See Schultz, Michael L., assignor.)
Dominion Engineering Works Limited. (See Sandwell, Percy R., assignor.)
Donaldson, Robert R., Jr., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Pressure regulating device. 2,149,390; Mar. 7.
Donath, Ernst. (See Pier, M., Simon, and Donath.)
Dondero, John A., Brooklyn, N. Y. Ink transfer pad. 2,149,511; Mar. 7.
Dow Chemical Company, The. (See Dreisbach, Robert R., assignor.)
Dow Chemical Company, The. (See Goos, A. W., and Owens, assignors.)
Dow Chemical Company, The. (See Peterson, F. C., and Maasberg, assignors.)
Dow, Dewel M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,149,588; Mar. 7.
Draemann, Max, Cologne-Braunsfeld, Germany. Rubber thread and making same. 2,149,425; Mar. 7.
Dreisbach, Robert R., assignor to The Dow Chemical Company, Midland, Mich. Ethylated-di-isopropyl benzene. 2,149,762; Mar. 7.
Dri-Steam Valve Corporation. (See Pascale, Pasquale, assignor.)
Duaei, Alexander J., Lombard, Ill. Stacking pipe. 2,149,589; Mar. 7.
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Dunlop Tire and Rubber Corporation. (See Miserentino, Charles O., assignor.)
Dunston, Wayne E. (See Girl, C., and Dunston.)
Dunston, Wayne E. (See Girl, C., Dunston, and Caldwell.)
Du Pont, E. I., de Nemours and Company. (See Ball, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Beard, E. E., and Perkins, assignors.)
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Zwilgmeyer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Deem, A. G., and Lazier, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gilpin, Clinton D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George De W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Greager, O. H., and Patterson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hull, Richard O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, N. D., and Walker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Smith, Carlton E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stallmann, Otto, assignor.)
Du Pont, E. I., de Nemours & Co. (See Vincent, G. G., and Cook, assignors.)
Du Pont, E. I., de Nemours & Company. (See Winslow, Edward N., assignor.)
East, James V., Longmeadow, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf club grip. 2,149,911; Mar. 7.
Eastwood-Nealley Corporation. (See Webb, Nelson W., assignor.)
Eckford, Jessiejo, et al. (See Cumpston, Curtis H., assignor.)
Economy Faucet Co. (See Picut, Frederick C., assignor.)
Elane, Halvor O., Washington Island, Wis. Automatic gun. 2,149,512; Mar. 7.
Elizen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Projecting machine. 2,149,283; Mar. 7.
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and Freeman, assignors.)
Electric & Musical Industries Limited. (See McGee, J. D., and Freeman, assignors.)
Ellis, Daniel E., Los Angeles, Calif. Emergency automatic radio transmitter. 2,149,808; Mar. 7.
Enders, Hugo E., Belleville, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,149,338; Mar. 7.
Enstrom, August, Chicago, Ill. Rail frog. 2,149,426; Mar. 7.
Erie Resistor Corporation. (See Pfeiffer, Julius T., assignor.)
Esterbrook Steel Pen Manufacturing Co., The. (See Ashmore, L. H., and Trotman, assignors.)
Fader, William, Newark, N. J. Mop wringer. 2,149,255; Mar. 7.
Fair, R. W. (See Kliewer, Edward A., assignor.)
Fair, R. W., et al. (See Wettermark, Carl A., assignor.)
Farr, William W., Penn Valley, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle side bearing. 2,150,116; Mar. 7.
Fatout, Herbert K., Indianapolis, Ind. Rug scrubber. 2,149,590; Mar. 7.
Faultersack, Hubert. (See Strauss, B. E., and Faultersack.)
Faust, Lawrence Y., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Subsurface exploration. 2,149,427; Mar. 7.
Felt & Tarrant Mfg. Co. (See Niemann, F. A., and Turck, assignors.)
Felton, William, Bradford Moor, Bradford, assignor to David Crabtree and Son Limited, Bradford, England. Weft inserting mechanism for looms. 2,149,428; Mar. 7.
Fenske, Merrell R. (See McCluer, W. B., and Fenske.)
Ferich, Samuel, Gary, Ind. Safety razor. 2,150,056; Mar. 7.
Fette, Frank J., Tampa, Fla. Crankless Diesel engine. 2,149,591; Mar. 7.
Fetterly, Ralph S., Los Angeles, Calif. Carbonator. 2,149,670; Mar. 7.
Feucht, Albert, Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,149,592; Mar. 7.
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Automatic temperature control. 2,149,729; Mar. 7.
Finkes, George M., assignor to The Union Fork and Hoe Company, Columbus, Ohio. Lawn broom. 2,149,429; Mar. 7.
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing soles on the bottoms of shoes. 2,149,391; Mar. 7.
Firestone Tire & Rubber Company, The. (See Brink, Winfield S., assignor.)
Firestone Tire & Rubber Company, The. (See Robertson, Isaac W., assignor.)
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Firestone Tire & Rubber Company, The. (See Shields, Jesse W., assignor.)
Firestone Tire & Rubber Company, The. (See Tatter, John W., assignor.)
Fisch, Arthur, Heidelberg, Germany. Shoe sole. 2,150,057; Mar. 7.
Fischbach, Emanuel, New York, N. Y. Power transmission. 2,149,513; Mar. 7.
Fischer, Charles, New York, N. Y. Goggles. 2,149,514; Mar. 7.

Fischer, Franz, assignor to Studien- und Verwertungsgesellschaft mit beschrankter Haftung, Mulheim, Ruhr, Germany. Increasing yield in the catalytic synthesis of aliphatic hydrocarbons. 2,149,515; Mar. 7.

Flamm, Joseph, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Internal combustion engine. 2,149,516; Mar. 7.

Fleisher, Walter L., New York, N. Y. Air conditioning apparatus. 2,149,593; Mar. 7.

Fleming, J. Stuart. (See Loweth, Joseph, assignor.)

Fleming, Martin J., Detroit, Mich. Cut-off machine. 2,149,430; Mar. 7.

Fleming, Raphael S., Syracuse, F. D. Parker, Fayetteville, and W. G. Hawley, Syracuse, assignors to The Borden Company, New York, N. Y. Dried corn sirup product and producing the same. 2,149,517; Mar. 7.

Focht, Nevin S., Reading, Pa. Universal joint. 2,149,763; Mar. 7.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Light-transforming screen or reflector and making and using the same. 2,149,992; Mar. 7.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Composition containing a rhodamine derivative. 2,149,993; Mar. 7.

Food Machinery Corporation. (See Thompson, Albert R., assignor.)

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Flow control apparatus for gaseous media. 2,149,392; Mar. 7.

Foresman, Robert A., Prospect Park, and D. J. Mosshart, Springfield, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combustion control. 2,149,393; Mar. 7.

Forest Wadding Company. (See Bangs, Ralph L., assignor.)

Fornefeld, Joseph R. (See Ibold, W. E., and Fornefeld.)

Forssell, Harry. (See Lamm, U., and Forssell.)

Foster, Harry H., Sioux City, Iowa. Display holder. 2,149,431; Mar. 7.

Fowler, Robert E., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Oil burner control. 2,149,842; Mar. 7.

Fox, Marvin, New York, N. Y. Measuring system. 2,149,958; Mar. 7.

Franck, Hans H. (See Frank, A. R., Franck, Zieke, and Hey.)

Franck, Hans H., Berlin-Charlottenburg, and D. Wilm, Berlin-Friedenau, Germany. Purifying carbon black which has been formed on iron-containing contacts. 2,149,671; Mar. 7.

Frank, Albert R., and H. H. Franck, Berlin-Charlottenburg, K. Zieke, Trostberg, Upper Bavaria, and E. Hey, Berlin, Germany. Making a press powder. 2,149,672; Mar. 7.

Frank, Thomas, Sr., Charlotte, N. C. Line holding device. 2,149,518; Mar. 7.

Frank, William H., and J. W. Harper, Detroit, Mich. Electrical distribution system. 2,149,994; Mar. 7.

Frazier, Ralph B., Norristown, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Food package. 2,150,058; Mar. 7.

Freeman, Benjamin W., Cincinnati, Ohio. Upper uniting machine. 2,149,594; Mar. 7.

Freeman, George S. P. (See Lubszynski, H. G., and Freeman.)

Freeman, George S. P. (See McGee, J. D., and Freeman.)

Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magnetic filter. 2,149,764; Mar. 7.

French, Alfred W., Ladywood, Birmingham, England. Electric iron. 2,150,029; Mar. 7.

Frey, Karl. (See Gams, A., and Frey.)

Frezel, Harry L., Philadelphia, Pa. Necktie. 2,149,884; Mar. 7.

Frick, Frederick F., Anaconda, Mont., assignor to International Smelting and Refining Company, East Chicago, Ind. Treatment of chemical pulp. 2,149,843; Mar. 7.

Frisbie, Clare L., et al. (See Lucas, Ralph, assignor.)

Fronmuller, Douglas. (See Wendt, G. L., and Fronmuller.)

Frunk, Otto E., Stockholm, and H. G. A. Åkerlind, Essinge, assignors to Aktiebolaget Linham, Stockholm, Sweden. Grinding machine. 2,149,519; Mar. 7.

Fulton, Clarence E., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making clay pots. 2,149,595; Mar. 7.

Fuss, Johann, assignor to Netzschkauer Maschinenfabrik Franz Stark & Söhne, Netzschkau in Vogtland, Germany. Manufacture of clear ice. 2,149,912; Mar. 7.

Gams, Alphonse, and K. Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Del. Synthetic resins and making same. 2,149,520; Mar. 7.

Gardner, John R., Alvin, Tex. Aligning device for welding casings. 2,149,394; Mar. 7.

Gasoline Antioxidant Company. (See Lang, E. H., and Osterstrom, assignors.)

Gaswirth, Sol. (See Langerman, Jonas, assignor.)

Geddings, Saint J., assignor of one-fourth to J. M. Goff, New Brookland, S. C. Loom. 2,150,059; Mar. 7.

General Aniline Works, Inc. (See Ballauf, Fritz, assignor.)

General Aniline Works, Inc. (See Lange, Hans, assignor.)

General Electric Company. (See Fonda, Gorton R., assignor.)

General Electric Company. (See Jones, Benjamin W., assignor.)

General Electric Company. (See Lair, Walter B., assignor.)

General Electric Company. (See Ryde, John W., assignor.)

General Electric Company. (See von Hoorn, Fred G., assignor.)

General Motors Corporation. (See Bouvy, C. H., and Arnold, assignors.)

General Motors Corporation. (See Brown, Benjamin G., assignor.)

General Motors Corporation. (See Fowler, Robert E., assignor.)

General Motors Corporation. (See McCormack, Alex A., assignor.)

General Motors Corporation. (See Olley, Maurice, assignor.)

General Motors Corporation. (See Rabezzana, Hector, assignor.)

General Motors Corporation. (See Rohr, Henry C., assignor.)

General Motors Corporation. (See Stickel, Carl A., assignor.)

Geophysical Research Corporation. (See Faust, Lawrence Y., assignor.)

George, Harry S., Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Tubular structure embodying welded joint and making the same. 2,149,844; Mar. 7.

Georgi, Fritz, Dresden, Germany. Roofing tile. 2,149,521; Mar. 7.

Geyger, Wilhelm, Berlin-Schmargendorf, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for measuring the losses in condenserlike objects. 2,149,256; Mar. 7.

Gilbert, Clyde L., assignor to American Coating Mills, Inc., Elkhart, Ind. Knock-down display device. 2,149,959; Mar. 7.

Gillett, Horace W., and R. W. Dayton, Columbus, assignors to The Bunting Brass & Bronze Company, Toledo, Ohio. Producing metallic material. 2,149,596; Mar. 7.

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Gilpin, Clinton D., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Perforated fabric. 2,149,913; Mar. 7.

Girdler Corporation, The. (See Miller, Bruce D., assignor.)

Girl, Christian. (See Caldwell, S. H., and Black, assignors.)

Girl, Christian, and W. E. Dunston, assignors to Kelch Heater Co., Detroit, Mich. Illuminated vehicle mirror. 2,149,598; Mar. 7.

Girl, Christian, W. E. Dunston, and S. H. Caldwell, Detroit, Mich., assignors to Kelch Heater Co. Illuminated vehicle mirror. 2,149,597; Mar. 7.

Gleaner Harvester Corporation. (See Pierson, Torvald N., assignor.)

Globe-Union Inc. (See Lindstrom, Bruce G., assignor.)

Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Tire contracting tool. 2,149,395; Mar. 7.

Godfrey, Richard, Cheadle Heath, Stockport, England. Controlling the flow of fluids. 2,149,673; Mar. 7.

Goff, James M. (See Geddings, Saint J., assignor.)

Goldstine, Hallan E. (See Hansell, C. W., and Goldstine.)

Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)

Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Goodman Manufacturing Company. (See Wood, Claude O., assignor.)

Goodrich, B. F., Company, The. (See Dodge, Howard M., assignor.)

Goos, Arthur W., Marquette, and J. S. Owens, asignors to The Dow Chemical Company, Midland, Mich. Photochemical purification of acetic acid. 2,149,765; Mar. 7.

Gordon, Aaron, Berkeley, Calif. Composition and process for preserving wood. 2,149,284; Mar. 7.

Gorman, Fay O., East Moline, assignor to Deere & Company, Moline, Ill. Mold fixture. 2,149,339; Mar. 7.

Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Headlight intensity tester. 2,149,285; Mar. 7.

Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)

Granstrom, George W., et al. (See Gulden, Edmond, assignor.)

Graves, George D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamides. 2,149,286; Mar. 7.

Greager, Oswald H., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,149,914; Mar. 7.

Greager, Oswald H., and G. D. Patterson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions. 2,149,915; Mar. 7.

Green, Ernest, Writtle, Chelmsford, England, assignor to Radio Corporation of America. Modulated carrier wave transmitter. 2,149,432; Mar. 7.

Green, Stanley S., assignor to Duncan Electric Mfg. Co., La Fayette, Ind. Electric meter. 2,149,287; Mar. 7.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Adjustable damping armature for watt-hour meters. 2,149,288; Mar. 7.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Watt-hour meter with uniform damping adjustments. 2,149,885; Mar. 7.

Greenbaum, Martin, Newark, N. J. Door latching mechanism. 2,149,730; Mar. 7.

Greenbaum, Martin, assignor to Martin Industrial Development Co., Inc., Newark, N. J. Sharpener for cloth cutting machines. 2,149,731; Mar. 7.

Greene, Oscar V., Cleveland Heights, Ohio. Cushioning and preventing creep of rails. 2,149,599; Mar. 7.

Griffith, Le Roy A., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,150,117; Mar. 7.

Grinnell, Albert A. (See Whedon, L. S., and Grinnell.)

Grinnell, Albert A. (See Whedon, L. S., Grinnell, and Rousseau.)

Griswold Manufacturing Company, The. (See Anderson, Carl R., assignor.)

Gritman, Joseph H., Wilkes-Barre, Pa. Thread carrying cone. 2,149,766; Mar. 7.

Groff, Frazier, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Composite molded article and making the same. 2,149,732; Mar. 7.

Gross, Edward H. (See Butler, W. H., and Gross.)

Grossmann, Paul, Binningen, near Basel, and M. Bommer, Riehen, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Anthraquinone derivatives. 2,149,433; Mar. 7.

Gruber, Herbert, assignor to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany. Production of beryllium copper alloys. 2,149,257; Mar. 7.

Greussner, Edwin, Brooklyn, N. Y. Razor. 2,149,995; Mar. 7.

Guidobaldi, Alfredo, Castelfidardo, assignor to M. Sopranì, Castelfidardo (Ancona), Italy. Valve structure for musical instruments. 2,149,434; Mar. 7.

Guinard, Paul A., Saint-Cloud, France. Pumping device in particular for volatile liquids. 2,149,600; Mar. 7.

Guinness, Arthur, Son and Company Limited. (See Millar, James H., assignor.)

Guldbrandsen, Henry, assignor to the firm Carl Zeiss, Jena, Germany. Binocular viewing device for stereophotogrammetric instruments. 2,149,601; Mar. 7.

Gulden, Edmund, assignor of three-fourths to H. C. and R. Gulden and G. W. Granstrom, St. Paul, Minn. Live bait carrier. 2,149,996; Mar. 7.

Gulden, Herbert C., et al. (See Gulden, Edmund, assignor.)

Gulden, Rhinold, et al. (See Gulden, Edmund, assignor.)

Gulf Oil Corporation. (See Cantrell, Troy L., assignor.)

Gulf Oil Corporation. (See Orr, Albert S., assignor.)

Gundel, Wolfgang. (Se Rittler, W., and Gundel.)

Gunderson, Gothfried C., Perth Amboy, N. J., assignor to Bakelite Corporation, New York, N. Y. Automatic molding apparatus. 2,150,097; Mar. 7.

Habach, George F., Orange, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pump impeller and method of assembling. 2,149,435; Mar. 7.

Haberlin, John F., assignor to Boeing Aircraft Company, Seattle, Wash. Case and link receiver for aerial machine guns. 2,149,522; Mar. 7.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Forming inner trim panels. 2,150,030; Mar. 7.

Hadenfeldt, Hans, Berlin, Germany, and B. Blumenthal, New York, N. Y. Manufacture of wires of magnesium or alloys thereof. 2,149,436; Mar. 7.

Hadley, Wilfred N., Springfield, Vt. Thread clipping machine. 2,149,886; Mar. 7.

Hagendorn, Joseph E., and J. Vervueren, Hewlett, N. Y. Pin tumbler lock. 2,149,733; Mar. 7.

Hahn, Elmer L. (See Barnard, C. B., and Hahn.)

Hake, Donald S. (Se Kinzle, C. J., and Hake.)

Hall, Henry L. (See Jones, Arthur B., assignor.)

Hall Laboratories, Inc. (See Hall, Ralph E., assignor.)

Hall, Ralph E., Mount Lebanon, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Laundry starch and using the same. 2,149,734; Mar. 7.

Hall, William F., assignor to Sprout, Waldron & Company, Muncy, Pa. Material handling apparatus. 2,149,289; Mar. 7.

Halliburton Oil Well Cementing Company. (See Menaul, Paul L., assignor.)

Halter, Joseph, et al. (See Pagliaroni, John V., assignor.)

Halverson, Alvin G., Houston, Minn. Rotary engine abutment and operating means therefor. 2,149,767; Mar. 7.

Hamby, William I., Great Neck, assignor to Servel, Inc., New York, N. Y. Refrigerator shelf. 2,149,603; Mar. 7.

Hammer, William H., et al. (See Christiansen, Frederick A., assignor.)

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,149,340; Mar. 7.

Hansell, Clarence W., and H. E. Goldstine, Port Jefferson, N. Y., assignors to Radio Corporation of America. Keying radio transmitters. 2,149,437; Mar. 7.

Harlan, Howard H., East Moline, Ill., assignor, by mesne assignments, to American Machine & Metals Inc., New York, N. Y. Cylindrical washing machine structure and making same. 2,149,809; Mar. 7.

Harper, Joseph W. (See Frank, W. H., and Harper.)

Harris, Leonard B., Bayside, Long Island City, N. Y. Vehicle seat. 2,149,290; Mar. 7.

Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Earphone support. 2,149,341; Mar. 7.

Harrison, Sarah A., Omaha, Nebr. Button fastening means. 2,150,118; Mar. 7.

Hartmann, Otto H., and H. Trede, Kassel-Wilhelmshohe, Germany. Boiler. 2,149,438; Mar. 7.

Havard Specialty Mfg. Corp. (See Hillson, Jacob, assignor.)

Hatch, Charles T., assignor to Union Steel Products Company, Albion, Mich. Baker's oven. 2,149,439; Mar. 7.

Hatfield, Arthur E., Toronto, Ontario, Canada. Dry cleaning. 2,150,031; Mer. 7.

Hawley, William G. (See Fleming, R. S., Parker, and Hawley.)

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Heath, Samuel, Philadelphia, Pa. Hoop and propelling means. 2,149,960; Mar. 7.

Hedley, Norman. (See Anderson, A. E., and Hedley.)

Helsig, Theodore C., Beacon, assignor to The Texas Company, New York, N. Y. Cracking asphaltic oil. 2,150,119; Mar. 7.

Heitler, George, New York, N. Y. Machine for grinding and shaping. 2,149,258; Mar. 7.

Henderson, Angus D., Flushing, N. Y., assignor to A. W. Ross, Upper Montclair, N. J. Photosensitive measuring instrument. 2,149,735; Mar. 7.

Hendrix, Ella O., executrix. (See Hendrix, Granville L.)

Hendrix, Granville L., deceased; E. O. Hendrix, executrix, Santa Rosa, Calif. Clothes hanger. 2,149,674; Mar. 7.

Henkel & Cie, Gesellschaft mit beschrankter Haftung. (See von und zu Guttenberg, F. H., and Köhler, assignors.)

Hennings, Gustav, Mount Vernon, assignor to Cartier, Inc., New York, N. Y. Cigarette or cigar holder. 2,149,523; Mar. 7.

Henry, Harold T., New York, N. Y. Grate construction. 2,149,259; Mar. 7.

Henry, Nelson B., Columbus, Ga. Variable speed transmission. 2,149,675; Mar. 7.

Heraeus-Vacuumschmelze, A. G. (See Gruber, Herbert, assignor.)

Herman, Kenneth R., and H. F. Vickers, assignors to Vickers, Incorporated, Detroit, Mich. Machine tool speed control. 2,150,032; Mar. 7.

Hevapar S. A. (See Kleiber, Ernst, assignor.)

Hey, Emil. (See Frank, A. R., Franck, Zieke, and Hey.)

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Device for providing torsional resistance. 2,149,887; Mar. 7.

Hickman, John M., assignor to Carson Machine & Supply Co., Oklahoma City, Okla. Elevator. 2,149,938; Mar. 7.

Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)

Hill, C. V., & Co. (See Hoffman, Cyrus F., assignor.)

Hill, Edith L., Governors Island, N. Y. Dust container. 2,149,676; Mar. 7.

Hill, Harry. (See Hunter, P. V., Brazier, and Hill.)

Hill, Harry. (See Hunter, P. V., and Hill.)

Hiller, Stanley, Berkeley, and H. A. Nibecker, San Mateo, assignors to Stanley Hiller, Ltd., San Francisco, Calif. Apparatus and method for expressing fluid. 2,149,736; Mar. 7.

Hiller, Stanley, Ltd. (See Hiller, S., and Nibecker, assignors.)

Hillson, Jacob, Brookline, assignor to Harvard Specialty Mfg. Corp., Cambridge, Mass. Support and reel structure for table tennis nets. 2,150,033; Mar. 7.

Hinckley-Myers Company. (See Graham, George M., assignor.)

Hinckley-Myers Company. (See MacMillan, Charles W., assignor.)

Hobbs Sales & Service Station, Inc. (See Minkow, Robert, assignor.)

Hodell Chain Company, The. (See Hodell, Frederick G., assignor.)

Hodell, Frederick G., Cleveland Heights, assignor to The Hodell Chain Company, Cleveland, Ohio. Tire chain for tractors. 2,149,342; Mar. 7.

Hodge, Edward B. (See Martin, J., and Hodge.)

Hodge, Edward B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic process for the production of nitroparaffins. 2,150,120; Mar. 7.

Hodgins, Theodore S. (See Hovey, A. G., and Hodgins.)

Hoe, R., & Co. (See Huck, William F., assignor.)

Hoenle, Norman J. (See Landis, G. G., and Hoenle.)

Hoffman, Cyrus F., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Reflector for display cases. 2,149,768; Mar. 7.

Hoffman, Cyrus F., assignor to C. V. Hill & Co., Inc., Trenton, N. J. Reflector for display cases. 2,149,769; Mar. 7.

Hoffman-La Roche, Inc. (See Warnat, Kurt, assignor.)
Hoffman, Reinhold H. (See Van Bosch, E., and Hoffman.)
Hofwolt, Harry E., Luverne, Minn. High pressure cased contraction and expansion joint. 2,149,291; Mar. 7.
Hogan, John V. L., Forest Hills, and H. G. Miller, Sunnyside, assignors to Radio Inventions, Inc., New York, N. Y. Facsimile system. 2,149,292; Mar. 7.
Hojnowski, Jakob, Nekoosa, Wis. Toy. 2,149,677; Mar. 7.
Holcomb, Lester, Freeport, assignor to Paramount Fireworks Company, Inc., New York, N. Y. Skyrocket. 2,149,845; Mar. 7.
Holdsworth Bros., Inc. (See Holdsworth, Harry, assignor.)
Holdsworth, Harry, Bronxville, assignor to Holdsworth Bros., Inc., New York, N. Y. Wall construction. 2,150,061; Mar. 7.
Holmes, Henry S., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Making heat exchangers. 2,149,696; Mar. 7.
Holst, Poul F. G., Oaklyn, and L. R. Kirkwood, Collingswood, N. J., assignors to Radio Corporation of America. Noise suppressor system. 2,149,697; Mar. 7.
Holst, William H., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Thickening latex without coagulation, and product. 2,149,961; Mar. 7.
Holst, William H., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Soldering flux. 2,149,962; Mar. 7.
Holst, William H., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Soldering flux and process of fluxing. 2,149,963; Mar. 7.
Hook, Sydney H., Gardiner, Victoria, Australia. Liquid fuel furnace. 2,149,770; Mar. 7.
Hoover Company, The. (See Siedle, Arnold D., assignor.)
Hopwood, John M. (See Donaldson, Robert R., Jr., assignor.)
Hormel, August, Hoboken, N. J., assignor to National-Standard Company. Oil wiping machine. 2,149,964; Mar. 7.
Horvath, Anthony G., assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio. Pump. 2,149,602; Mar. 7.
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Houdry Process Corporation. (See Lassiat, Raymond C., assignor.)
Hovey, Almon G., Pleasant Ridge, and T. S. Hodgins, assignors to H. Reichhold, Detroit, Mich., doing business as Reichhold Chemicals. Acid-amine condensation products. 2,149,678; Mar. 7.
Howald, Arthur M. (See Shepard, W. N., and Howald.)
Howlett, Grayle W., Evanston, Ill. Decoratively covered object of irregular surface contour and method. 2,149,293; Mar. 7.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,149,343; Mar. 7.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Hydraulic piston packing. 2,149,294; Mar. 7.
Hudson, Lycon L., Tampa, Fla. Match box. 2,149,679; Mar. 7.
Huhn, Gustav, Berlin-Tempelhof, Germany. Packing for the shafts of rotary machines, turbines, and the like. 2,149,524; Mar. 7.
Hull, Richard O., Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus and process for the study of plating solutions. 2,149,344; Mar. 7.
Humphner, Ferdinand W., Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company. Decalcomania. 2,149,916; Mar. 7.
Humphrey, Clen S., Brooklyn, N. Y. Dispensing container. 2,149,698; Mar. 7.
Hund, Mildred A., et al. (See Pagliaroni, John V., assignor.)
Hunsaker, Claude H., University City, Mo. Earth boring apparatus. 2,149,345; Mar. 7.
Hunt, Herbert G., New York, N. Y. Fire alarm thermostatic contact. 2,149,997; Mar. 7.
Hunter, Philip V., and L. G. Brazier, London, and H. Hill, Kent, assignors to Callender's Cable and Construction Company Limited, London, England. Electric cable. 2,149,771; Mar. 7.
Hunter, Philip V., London, and H. Hill, Belvedere, assignors to Callendar's Cable and Construction Company Limited, London, England. Electric cable. 2,149,772; Mar. 7.
Huntley, George W., Washington, D. C. Safety plug. 2,149,773; Mar. 7.
Hurt, Samuel N., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scale. 2,149,888; Mar. 7.
I. G. Farbenindustrie Aktiengesellschaft. (See Rein, Herbert, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Siedler, P., Kayser, Korte, and Walbel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See von Recklinghause, H., and Saffert, assignors.)
Ibold, Michael, Incorporated. (See Ibold, W. E., and Fornefeld, assignors.)
Ibold, Walter E., and J. R. Fornefeld, assignors to Michael Ibold Incorporated, Cincinnati, Ohio. Cigar perforator. 2,149,346; Mar. 7.
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imperial Chemical Industries Limited. (See Moore, J. G., and Dod, assignors.)
Ingleman, William F., La Fayette, Ind. Machine for sharpening lawn mowers. 2,149,774; Mar. 7.
International Nickel Company, The. (See Bieber, Clarence G., assignor.)
International Nickel Company, The. (See Kayes, Augustus E., assignor.)
International Smelting and Refining Company. (See Frick, Frederick F., assignor.)
Invex Corporation. (See Craig, Palmer H., assignor.)
Ireland, Murray, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill. Toaster control. 2,149,965; Mar. 7.
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Iron Fireman Manufacturing Company. (See Marsh, Thomas A., assignor.)
Isaacs, Moses H., executor, et al. (See Molins, Walter E.)
Jackson, John E., Lynchburg, Va. Mapping machine. 2,149,440; Mar. 7.
Jacobson, Moses G., Swissvale, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas testing method and apparatus. 2,149,441; Mar. 7.
James, Charles F., and J. H. Buckley, Beards Fork, and S. D. Buckley, Alloy, W. Va. Three-way switch. 2,149,699; Mar. 7.
Jefferson, Emmett, New York, N. Y. Heater for beauty parlor tools. 2,150,063; Mar. 7.
Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
Jeffrey Manufacturing Company, The. (See Nichols, Richard D., assignor.)
Jeffrey Manufacturing Company, The. (See Tolman, Samuel L., assignor.)
Jenkins, Russell L., Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. Separation of aminodiphenyls. 2,149,525; Mar. 7.
Jensen, Christian W. (See McKinney, L. J., and Jensen.)
Jewell, Bernard W., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Heat exchanger. 2,149,737; Mar. 7.
Jewell, Ira H., Evanston, Ill. Filter. 2,149,680; Mar. 7.
Jezek, Henry J. and L. F. Jr., Temple, Tex. Brake operator for trailers. 2,149,775; Mar. 7.
Jezek, Louis F., Jr. (See Jezek, Henry J. and L. F., Jr.)
Jobson, John H., Mentone, Ala. Safety valve for hydraulic brakes. 2,149,295; Mar. 7.
Jodelko, Alexander J., New York, N. Y. Cooling means for combustion turbines. 2,150,098; Mar. 7.
Joffe, Isaac. (See Shapiro, H., and Joffe.)
John, Robert, New York, N. Y., and E. R. Boots, Short Hills, N. J.; said John assignor to said Boots. Refrigerator. 2,150,064; Mar. 7.
Johns-Manville Corporation. (See Miles, William S., assignor.)
Johns-Manville Corporation. (See Seigle, W. R., and Townshend, assignors.)
Johnson, Arden R., Elmhurst, Ill. Printing. 2,149,846; Mar. 7.
Johnson, Frank L., Akron, Ohio. Collapsible form. 2,149,604; Mar. 7.
Johnson, John G. (See Kennedy, M. D., and Johnson.)
Johnson, Le Baron B., Bronxville, N. Y., assignor to Oakite Products, Inc. Device for cleaning surfaces. 2,149,526; Mar. 7.
Johnson Service Company. (See Scharpf, Otto, assignor.)
Johnson, Walter A., Rochester, Minn. Mower cutter bar unit. 2,149,347; Mar. 7.
Johnston, Carey W., Newark, N. J. Control device. 2,149,681; Mar. 7.
Johnston, Charles F., Oakland, Calif. Piston expander. 2,150,062; Mar. 7.
Johnston, Mordica O. (See Bettis, Wilbur F., assignor.)
Jones, Arthur B., assignor of forty-nine percent to H. L. Hall, Detroit, Mich. Steaming device. 2,149,605; Mar. 7.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Traffic detector. 2,149,998; Mar. 7.
Jones, Clarence W., Philadelphia, Pa. Dampening roll for lithographing presses. 2,149,606; Mar. 7.
Jørgensen, Holger, Copenhagen, Denmark, assignor, by mesne assignments, to N. V. Noury & van der Lande's Exploitatie Maatschappij, Deventer, Netherlands. Improving the baking strength of flour. 2,149,682; Mar. 7.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Hoisting mechanism. 2,149,889; Mar. 7.
Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Neugebauer, Franz, assignor.)
Junkers Flugzeug-und-Motorenwerke A. G. (See Scheibe, Alfred, assignor.)
K-Z Company. (See Kidwell, Clarence, assignor.)
Kadco Corporation, The. (See Kelley, George S., assignor.)
Kahn, David, Inc. (See Kahn, David, assignor.)
Kahn, David, Woodcliff, assignor to David Kahn, Inc., North Bergen Township, N. J. Pen desk set. 2,150,065; Mar. 7.
Kalb, Daniel S., Chatfield, Ohio. Trailer hitch and frame. 2,150,066; Mar. 7.
Kannenstine, Fabian M., Houston, Tex. Galvanometer. 2,149,442; Mar. 7.

Kartaschoff, Valentin, assignor to Chemical Works formerly Sandoz, Basel, Switzerland. Basic derivatives of fatty acids and their manufacture. 2,149,527; Mar. 7.
Kayes, Augustus E., Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y. Treating nickel-copper alloys and products resulting therefrom. 2,150,095; Mar. 7.
Kayser, Erich. (See Siedler, P., Kayser, Korte, and Walbel.)
Kell, Gustav B., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Ironing machine. 2,149,738; Mar. 7.
Keim, Melville. (See McGrath, Arthur C., assignor.)
Kelser, Oscar L., Los Angeles, Calif. Casement window control. 2,149,607; Mar. 7.
Kelberer, Raymond J., Great Falls, Mont. Vehicle appliance. 2,149,296; Mar. 7.
Kelch Heater Co. (See Girl, C., and Dunston, assignors.)
Kelch Heater Co. (See Girl, C., Dunston, and Caldwell, assignors.)
Kelley, George S., Mount Vernon, assignor to The Kadco Corporation, New York, N. Y. Dust collecting device. 2,149,348; Mar. 7.
Kelley, Oliver G., Newton, Mass. Lath fastener. 2,149,528; Mar. 7.
Kelley, Walter T., Paducah, Ky. Hive frame. 2,150,067; Mar. 7.
Kellogg Switchboard and Supply Company. (See Wallace, Bert A., assignor.)
Kelsey-Hayes Wheel Company. (See Main, F. L., and Sawtelle, assignors.)
Kelsey-Hayes Wheel Company. (See White, John W., assignor.)
Kemmer, Frank R., Larchmont, N. Y. Producing cyanide. 2,149,608; Mar. 7.
Ken-Jon Inc. (See Kennedy, M. D., and Johnson, assignors.)
Kennedy, Mabry D., and J. G. Johnson, assignors to Ken-Jon Inc., Orlando, Fla. Fruit and vegetable treating machine. 2,149,443; Mar. 7.
Ker, J. O. (See Ashton, Douglas W., assignor.)
Kerner and Anderson. (See Anderson, William M., assignor.)
Kidwell, Clarence, assignor, by mesne assignments, to K-Z Company, St. Louis, Mo. Anatomical injector and aspirator. 2,149,777; Mar. 7.
Kilburg, James, San Francisco, Calif., assignor to Turgard, Inc., Portland, Oreg. Tooth brush. 2,149,890; Mar. 7.
Kilgore Development Corporation. (See Kilgore, Lowell B., assignor.)
Kilgore, Lowell B., assignor to Kilgore Development Corporation, Washington, D. C. Selective extraction of rotenone by certain esters. 2,149,917; Mar. 7.
Kilian, Frederick K., assignor to Kilian Manufacturing Corporation, Syracuse, N. Y. Rubber tired roller. 2,149,349; Mar. 7.
Kilian Manufacturing Corporation. (See Kilian, Frederick K., assignor.)
Kimbirl, Julius E., assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin stripper. 2,149,778; Mar. 7.
Kinzle, Charles J., and D. S. Hake, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Crystalline granular titanium carbide and making same. 2,149,939; Mar. 7.
Kirchner, Henry P. (See Melton, R. L., Kirchner, and Benner.)
Kirkwood, Loren R. (See Holst, P. F. G., and Kirkwood.)
Kirkwood, Loren R., Collingswood, N. J., assignor to Radio Corporation of America. Overload control circuit. 2,149,700; Mar. 7.
Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Abrasive article and manufacture. 2,150,121; Mar. 7.
Kitto, William C., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Slag laddle. 2,149,891; Mar. 7.
Klahn, Emil, deceased, New Vernon, N. J.; J. M. Percival, administratrix. Thermostatic device. 2,149,892; Mar. 7.
Kleiber, Ernst, Lugano, via Trevano, assignor to Hevapar S. A., Geneva, Switzerland. Obtainment of artificial rubber. 2,150,068; Mar. 7.
Klein, Samuel, assignor to National Road Joint Manufacturing Company, Chicago, Ill. Joint construction for concrete roads. 2,149,396; Mar. 7.
Kliewer, E. A., et al. (See Wettermark, Carl A., assignor.)
Kliewer, Edward A., Longview, assignor of one-half to R. W. Fair, Tyler, Tex. Scraper for oil well tubing. 2,149,810; Mar. 7.
Kloppman, Paul, Detroit, Mich., assignor to No-Sag Spring Company, Cushion construction. 2,149,350; Mar. 7.
Kniskern, Walter H., Petersburg, Pa., and L. V. Rohner, Syracuse, assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y. Adding nitrogen values to superphosphate. 2,149,966; Mar. 7.
Knoerzer, Arthur T., assignor to Champion Corporation, Hammond, Ind. Potato digger chain. 2,149,776; Mar. 7.
Knox, Harry A., Washington, D. C. Suspension for vehicles. 2,149,297; Mar. 7.
"Koh-i-noor" tužkárna L. & C. Hardmuth. (See Zückert, Richard, assignor.)
Köhler, Rudolf. (See von und zu Guttenberg, Friedrich II., and Köhler.)
Kohlmann, Gerhard, Quedlinburg, Germany. Automatic coin counting and wrapping machine. 2,149,444; Mar. 7.
Kolb, Otto K., Chiswick, London, assignor to British Acoustic Films Ltd., London, England. Light source for use in the photographic recording of sound. 2,149,967; Mar. 7.
Koleno, Joseph J., Joffre, Pa. Berry picking sleeve. 2,150,069; Mar. 7.
Kolin, Alexander, Chicago, Ill. Apparatus for measuring fluid flow. 2,149,847; Mar. 7.
Kollberg, Gustaf L., Milwaukee, and M. C. Shaw, Wauwatosa, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Sliding vane compression. 2,150,122; Mar. 7.
Komorous, Joseph, Riverside, assignor to Parisian Novelty Company, Chicago, Ill. Sheet securing means. 2,149,918; Mar. 7.
Kongsted, Ludvig P., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Electric ignition system. 2,149,397; Mar. 7.
Korb-Pettit Wire Fabrics & Iron Works, Inc. (See Blackburn, Ernest L., assignor.)
Korte, Helmuth. (See Siedler, P., Kayser, Korte, and Walbel.)
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Artificial Christmas tree. 2,149,968; Mar. 7.
Krauer, Otto A. (See Lewis, J. D., and Krauer.)
Kregecz, Augustus G., Ben Avon, Pa. Telemeter-type internal caliper. 2,150,070; Mar. 7.
Kreiten, Paul, Cologne-on-the-Rhine, Germany. Dispensing and closing device for tablets, pills, and the like. 2,149,445; Mar. 7.
Krenzler, Emil, Wuppertal-Barmen, Germany. Shaping machine. 2,149,919; Mar. 7.
Kretchmer, Frank P., Chicago, Ill. Extrusion device. 2,149,920; Mar. 7.
Krick, Arthur E. (See Starkey, William C., assignor.)
Kroner, Friedrich, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden. Pictorial representation. 2,149,779; Mar. 7.
Kroner, Friedrich, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden. Display device. 2,149,780; Mar. 7.
Kuhn, Alfred R., Queens Village, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Connection block terminal. 2,150,099; Mar. 7.
Kunz, Alfonz, Fuzfo, Hungary. Fire extinguisher. 2,149,446; Mar. 7.
Kuzelka, William R., New York, N. Y. Liquid feeding system for airplanes and the like. 2,149,298; Mar. 7.
Kylin, Oskar, Cleveland Heights, assignor to Bardons & Oliver, Inc., Cleveland, Ohio. Brake and control therefor. 2,149,940; Mar. 7.
Lair, Walter B., Scotia, N. Y., assignor to General Electric Company. Lightly coated manganese steel electrode. 2,149,999; Mar. 7.
Lair, Walter B., Scotia, N. Y., assignor to General Electric Company. Welding electrode. 2,150,000; Mar. 7.
Lamm, Uno, and H. Forssell, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget Vasteras, Sweden. Furnace for treating materials at high temperatures. 2,149,447; Mar. 7.
Lampel, Erich, Niedersedlitz, (Sachsen), Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Screw and nut device. 2,149,848; Mar. 7.
Landis, George G., and N. J. Hoenie, assignors to The Lincoln Electric Company, Cleveland, Ohio. Dynamo-electric machine control. 2,150,071; Mar. 7.
Lang, Edward H., Chicago, and R. C. Osterstrom, Kenilworth, assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill. Refining and stabilization of motor fuel. 2,149,351; Mar. 7.
Lange, Hans, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Manufacture of di-(x-chloro-hydroxypropyl) arylamines. 2,150,001; Mar. 7.
Langerman, Jonas, New York, assignor of one-half to S. Gaswirth, Brooklyn, N. Y. Tablet and suppository press. 2,149,739; Mar. 7.
La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)
Lasch, Willy H., Philadelphia, assignor to Rosedale Knitting Co., Inc., Rosedale, Reading, Pa. Knitting machine. 2,150,100; Mar. 7.
Lassiat, Raymond C., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Fluid distribution. 2,149,299; Mar. 7.
Lassiat, Raymond C., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Distribution and temperature control in chemical reactions. 2,149,300; Mar. 7.
Latham, Hubert. (See Peckham, Josiah F., assignor.)
Lattner, Emert J., Cedar Rapids, Iowa. Pump. 2,149,969; Mar. 7.
La Fave, Victor A., Rantoul, Ill. Transformer unit. 2,149,529; Mar. 7.

Lawson, Fred E., St. Louis, Mo. Venetian blind. 2,149,301; Mar. 7.
Lazier, Wilbur A. (See Deem, A. G., and Lazier.)
Lea, Edward S., Morrisville, Pa., assignor to G. Von Seebeck, New York, N. Y. Cone type centrifugal pump. 2,149,921; Mar. 7.
Leaman, Thomas P., Babylon, N. Y. Universal joint. 2,149,352; Mar. 7.
Lederer, Karl M., Newark, and A. Dempster, Linden, assignors to Weston Electrical Instrument Corporation, Newark, N. J. Resistance element. 2,149,448; Mar. 7.
Lee, Ulysses G., assignor, by mesne assignments, to Valley Appliances Company, Chicago, Ill. Fluid circulation apparatus. 2,150,101; Mar. 7.
Lehon Company, The. (See Pace, Anderson, Jr., assignor.)
Lehwald, Charles J. (See Lehwald, Paul G., assignor.)
Lehwald, Paul G., Milwaukee, assignor of one-half to C. J. Lehwald, Sun Prairie, Wis. Detachable heel. 2,149,893; Mar. 7.
Leiser, Anne, et al. (See Leiser, Henry, assignor.)
Leiser, Henry, Denver, Colo., assignor to D. R. and A. Leiser. Safety device for ladders. 2,149,781; Mar. 7.
Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)
Lemire, Elias E., Cloquet, Minn. Book page protector. 2,149,922; Mar. 7.
Lemmon, George N., Homewood, assignor to The Southern States Equipment Company, Birmingham, Ala. Circuit breaker. 2,150,102; Mar. 7.
Lennart, Eugene J., assignor, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind. Fluid dispensing apparatus. 2,149,609; Mar. 7.
Lent, Worthington C., Westwood, N. J., assignor, by mesne assignments, to Radio Corporation of America. Apparatus for voltage measurements. 2,149,451; Mar. 7.
Lentz, Hugo, Berlin-Halensee, Germany. Reversing gear for steam engines with poppet valve gear, especially for locomotive and marine steam engines. 2,149,353; Mar. 7.
Leo Corporation. (See McKone, L. J., and Lyons, assignors.)
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Window frame mounting. 2,149,811; Mar. 7.
Levaggi, Victor, Jr., Brockton, Mass., assignor to United Last Company, Portland, Maine. Last. 2,149,398; Mar. 7.
Levin, Nyman, London, England, assignor to Radio Corporation of America. Scanning device. 2,149,449; Mar. 7.
Lewis, Jacob D., and O. A. Krauer, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Elevator control mechanism. 2,149,452; Mar. 7.
Leyburn, Henry, Newcastle-upon-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Earth fault control arrangement for polyphase alternating current transmission and distribution systems. 2,149,683; Mar. 7.
Lieber, Eugene, Elizabeth, and W. H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company. Carbon remover. 2,149,894; Mar. 7.
Liebmann, Moses, New York, N. Y. Blanket fastener. 2,149,970; Mar. 7.
Liebmann, Moses, New York, N. Y. Blanket fastener. 2,149,971; Mar. 7.
Lilly, Eli, and Company. (See Rockwell, George E., assignor.)
Lincoln Electric Company, The. (See Landis, G. G., and Hoenie, assignors.)
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,149,450; Mar. 7.
Lindstrom, Bruce G., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Drying battery plates. 2,149,812; Mar. 7.
Lindstrom, Bruce G., Norrkoping, Sweden, assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis. Apparatus for drying battery plates. 2,149,813; Mar. 7.
Line Material Company. (See Schultz, W. O., and Steinmayer, assignors.)
Link-Belt Company. (See Sayers, W. W., and Mlick, assignors.)
Link, Maximilian P., Los Angeles, Calif. Forming seams. 2,150,002; Mar. 7.
Littlehale, Philip E., assignor, by mesne assignments, to Rockhill Patent Holding Corporation. Middletown, Conn. Ammunition for explosive operated tools. 2,149,814; Mar. 7.
Lizak, John F., McKeesport, Pa. Curtain stretcher. 2,150,003; Mar. 7.
Lloyd, Pansy B., Sioux City, Iowa. Amusement device. 2,149,815; Mar. 7.
Lodge, William L., University City, Mo., assignor to McGraw Electric Company, Chicago, Ill. Automatic toaster and controlling the same. 2,149,972; Mar. 7.
Loftus, Fred H., Mount Lebanon, Pa. Regenerator. 2,149,610; Mar. 7.
Lohse, Frederick W., Attleboro, Mass. Leakproof atomizer. 2,149,611; Mar. 7.
Longshore, James H., D. E. Smalley, and E. L. Petty, Brazil, Ind., assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Vacuum scrubber. 2,149,453; Mar. 7.
Loweth, Joseph, New York, assignor, by mesne assignments, to J. S. Fleming, Niagara Falls, N. Y. Continuous interleaved record assembly. 2,149,530; Mar. 7.
Lowrey, Carolyn C. (See Chambless, James D., assignor.)
Lubarsky, George H., assignor to Vitamol, Inc., New York, N. Y. Treating molasses and resulting product. 2,149,354; Mar. 7.
Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)
Lubszynski, Hans G., Hillingdon, and G. S. P. Freeman, Chiswick, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron discharge device. 2,149,849; Mar. 7.
Lucas, Ralph, Albany, assignor of fifty per cent to C. L. Frisbie, Syracuse, and twenty per cent to H. Champagne, Albany, N. Y. Magnetizable fluid. 2,149,782; Mar. 7.
Ludwig, John, Detroit, Mich. Hinge. 2,149,973; Mar. 7.
Lundstrom, Alexis A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective system. 2,149,355; Mar. 7.
Lyda, Arthur W., assignor of one-half to J. S. Applegate, Wellsburg, W. Va., and one-half to O. E. Lyda, North Canton, Ohio. Lifeboat. 2,149,850; Mar. 7.
Lyda, Orpha E., et al. (See Lyda, Arthur W., assignor.)
Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Bottle hooding machine. 2,149,399; Mar. 7.
Lyons, Willard E. (See McKone, L. J., and Lyons.)
Maasberg, Albert T. (See Peterson, F. C., and Maasberg.)
MacDonald, Chester R., Monroe, Mich., assignor to The Patent and Licensing Corporation, Boston, Mass. Shingle element. 2,150,004; Mar. 7.
Macgregor, Joseph, Whitley Bay, England. Ship's hatch cover. 2,149,684; Mar. 7.
MacLeod, Lester R., Ardsley, assignor to Anaconda Wire & Cable Company, New York, N. Y. Apparatus for handling coiled wire and rod. 2,149,851; Mar. 7.
MacMillan, Charles W., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Sighting device for headlight testing apparatus. 2,149,302; Mar. 7.
Madsen, Dora, San Francisco, Calif. Pad receptacle. 2,149,612; Mar. 7.
Magnan, Arthur U., Los Angeles, Calif. Sign plate and making same. 2,149,613; Mar. 7.
Mahaffy, Arthur M., Toronto, Ontario, Canada. Detonator for Christmas crackers and the like. 2,149,852; Mar. 7.
Maidens, William T., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Making zinc oxide. 2,150,072; Mar. 7.
Maiellano, Frank, Winthrop, Mass., assignor, by mesne assignments, to Sbicca Method Shoes, Inc., Philadelphia, Pa. Making shoes. 2,149,701; Mar. 7.
Main, Frank L., Birmingham, and C. A. Sawtelle, assignors to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,149,614; Mar. 7.
Malott, Floyd, Marathon, Ohio. Vehicle suspension means. 2,150,073; Mar. 7.
Marbon Corporation. (See Moffett, Eugene W., assignor.)
Marbon Corporation. (See Winkelmann, H. A., and Moffett, assignors.)
Marcus, Samuel, Belle Harbor, N. Y., assignor, by mesne assignments, to Margon Corporation, Bayonne, N. J. Rolling eyeset. 2,149,685; Mar. 7.
Margon Corporation. (See Marcus, Samuel, assignor.)
Maris, Elwood S., Upper Darby, Pa., assignor to Radio Corporation of America. Variable condenser. 2,149,702; Mar. 7.
Markush, Eugene A., Jersey City, M. S. Mayzner, Asbury Park, and J. Miller, Newark, N. J., assignors to Pharma Chemical Corporation, New York, N. Y. Azo dyes. 2,149,703; Mar. 7.
Markwood, Louis N., Washington, D. C. Liquid measuring device. 2,149,303; Mar. 7.
Marsh, Thomas A., Chicago, Ill., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Draft regulator for furnaces. 2,149,740; Mar. 7.
Martin & Schwartz, Inc. (See Nelson, David J., assignor.)
Martin Industrial Development Co. (See Greenbaum, Martin, assignor.)
Martin, Jennie J., St. Ignace, Mich. Fishing device. 2,149,923; Mar. 7.
Martin, Jerome, and E. B. Hodge, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic process for the production of nitro-paraffins. 2,150,123; Mar. 7.
Martinez B., Agustin, Mexico, D. F., Mexico. Thrashing cylinder with radial bars and safety teeth. 2,149,704; Mar. 7.
Maruhn, Herbert, Berlin-Charlottenburg, Germany. Springing. 2,149,895; Mar. 7.
Marvel, Carl S. (See Zellhoefer, G. F., Marvel and Copley.)
Mason, Herman A., Springfield, Mass. Inclinometer. 2,149,401; Mar. 7.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,149,356; Mar. 7.
Masucci, Peter, Norwood, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Lyophilic biologically active substances. 2,149,304; Mar. 7.
Maucher, Hans, New York, N. Y. Magazine pencil. 2,149,705; Mar. 7.
Maurer, Harry A. (See Reed, K. W., and Maurer.)
Mayer, Max M., New York, N. Y. Resilient chair seat. 2,149,357; Mar. 7.
Mayzner, Mark S. (See Markush, E. A., Mayzner, and Miller.)
Mazer, Jacob, Rockville, Centre, N. Y. Packaging machine. 2,149,400; Mar. 7.
McAlister, John T., Spartansburg, S. C., dedicated to the free use of the People of the United States of America. Terrace channel checking device. 2,149,783; Mar. 7.
McArdle, Edward H., Elizabeth, and L. Roon, South Orange, N. J., assignors to Roxalin Flexible Lacquer Company, Incorporated. Making cigarettes. 2,149,896; Mar. 7.
McBath, Bartley R., Jr., Verona, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Pumping unit. 2,149,454; Mar. 7.
McCabe, Ira E., Chicago, Ill. Electric switch. 2,149,853; Mar. 7.
McCaffrey, John W., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,149,854; Mar. 7.
McClatchy, John B., Lower Merion, J. P. Mollenkof, Springfield Township, Montgomery County, and V. Mercaldo, Germantown, assignors to R. D. McClatchy, Overbrook, Pa. Building construction. 2,149,784; Mar. 7.
McClatchy, Rosemary D. (See McClatchy, J. B., Mollenkof, and Mercaldo, assignors.)
McCluer, Wilbert B., and M. R. Fenske, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation. Treating mineral oils. 2,149,531; Mar. 7.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. Seal for refrigerating apparatus. 2,149,974; Mar. 7.
McCormack, Alex A., assignor to General Motors Corporation, Dayton, Ohio. An elastic composition. 2,149,975; Mar. 7.
McDonnell, I. F. (See Browne, Carl N., assignor.)
McElwee, Albert E., assignor of one-half to L. J. Darms, Woodbury, N. J. Holder for nursing bottles. 2,149,615; Mar. 7.
McGee, James D., Ealing, London, and G. S. P. Freeman, Chiswick, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television transmitting apparatus. 2,149,455; Mar. 7.
McGrath, Arthur C., Chicago, assignor of one-half to M. Keim, Maple Lane, Highland Park, Ill. Line-casting machine. 2,149,305; Mar. 7.
McGraw Electric Company. (See Ireland, Murray, assignor.)
McGraw Electric Company. (See Lodge, William L., assignor.)
McGuire, Clarence V., Grosse Pointe, Mich. Life preserver. 2,149,616; Mar. 7.
McKinney, Lawrence J., and C. W. Jensen, Detroit, Mich. Safety pull rod coupling. 2,149,855; Mar. 7.
McKnight, James D., New York, N. Y. Ventilation control. 2,149,976; Mar. 7.
McKone, Leo J., and W. E. Lyons, assignors to Leo Corporation, Chicago, Ill. Lubricating oil. 2,149,856; Mar. 7.
McLure, Howard E., New Castle, Pa. Tackle connector. 2,150,074; Mar. 7.
McMahon, Adeline M., et al. (See Cumpston, Curtis H., assignor.)
McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Forming liner material. 2,149,532; Mar. 7.
McManus, Charles E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closure. 2,149,533; Mar. 7.
McNinch, Frank B., Philadelphia, Pa. Dental separator and matrix holder. 2,150,005; Mar. 7.
Melton, Romie L., H. P. Kirchner, and R. C. Benner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for forming bonded granular articles. 2,150,034; Mar. 7.
Menaul, Paul L., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Method and apparatus for handling acidic solutions. 2,149,617; Mar. 7.
Menefee, Arthur B. (See Armstrong, H. H., and Menefee.)
Mennesson, Marcel, assignor to Société Anonyme Solex, Neuilly-sur-Seine, France. Regulating device for internal combustion engines supplied by fuel injection. 2,150,075; Mar. 7.
Mercaldo, Vincent. (See McClatchy, J. B., Mollenkof, and Mercaldo.)
Merck, & Co. Inc. (See Dalmer, O., and Walter, assignors.)
Merrick, Frank W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,149,456; Mar. 7.
Metcalf, Howard H. (See Seaman, D. J., and Metcalf.)
Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete. (See Bernhard, A., and Beyrich, assignors.)
Metropolitan Device Corporation. (See Kuhn, Alfred R., assignor.)
Metropolitan Engineering Company. (See Holmes, Henry S., assignor.)
Mettler, Frederick A., Hutchinson County, S. Dak. Adjustable grain check attachment for grain binders. 2,149,534; Mar. 7.
Mid-States Gummed Paper Company. (See Humphner, Ferdinand W., assignor.)
Miescher, Karl, Riehen, near Basel, and E. Urech, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Therapeutically active amidines. 2,149,457; Mar. 7.
Mlick, Fred E. (See Sayers, W. W., and Mlick.)
Mikeska, Louis A., Westfield, and R. Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company. Oiliness agent in lubricating oils. 2,149,857; Mar. 7.
Miles, William S., Hastings on Hudson, assignor to Johns-Manville Corporation, New York, N. Y. Structural assembly and unit and method of making. 2,149,741; Mar. 7.
Millar, James H., Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England. Manufacture of food extract from yeast. 2,149,306; Mar. 7.
Miller, Bruce D., assignor to The Girdler Corporation, Louisville, Ky. Removal of oil from refrigerating systems. 2,149,358; Mar. 7.
Miller, Horace G. (See Hogan, J. V. L., and Miller.)
Miller, Julius. (See Markush, E. A., Mayzner, and Miller.)
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller, Percy H. (See Moncrieff, R. W., and Miller.)
Miller, Walter E., Columbus, Ohio. Trim. 2,149,742; Mar. 7.
Mine Safety Appliances Company. (See Jacobson, Moses G., assignor.)
Minkow, Robert, assignor to Hobbs Sales & Service Station, Inc., New York, N. Y. Gluing machine control. 2,150,124; Mar. 7.
Minneapolis-Honeywell Regulator Company. (See Griffith, Le Roy A., assignor.)
Minneapolis-Honeywell Regulator Company. (See Peltz, Gordon M., assignor.)
Miöen, Ole, Stockholm, Sweden. Securing wear-protectors of rubber or similar material to horseshoes. 2,149,535; Mar. 7.
Mirra, James, Brooklyn, N. Y. Furnace apparatus. 2,149,706; Mar. 7.
Miserentino, Charles O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Vulcanization accelerator and making the same. 2,149,858; Mar. 7.
Miserentino, Charles O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Vulcanization accelerator. 2,149,859; Mar. 7.
Misuraca, Louis J., Glendale, Calif. Cutting tool. 2,149,618; Mar. 7.
Mitchell, Freeman S., San Diego, Calif. Sanding drum pad. 2,149,816; Mar. 7.
Mitchell, Harvey V., Massillon, Ohio. Pulp molding. 2,149,878; Mar. 7.
Mitchell, Harvey V., Massillon, Ohio. Pulp molding. 2,149,879; Mar. 7.
Moffett, Eugene W. (See Winkelmann, H. A., and Moffett.)
Moffett, Eugene W., Chicago, Ill., assignor to Marbon Corporation. Rubber derivative composition. 2,149,458; Mar. 7.
Mojonnier, Albert B., Park Ridge, Ill., assignor to Mojonnier Bros. Co. Float controlled electric switch. 2,149,619; Mar. 7.
Mojonnier Bros. Co. (See Mojonnier, Albert B., assignor.)
Molins, Harold B., executor, et al. (See Molins, Walter E.)
Molins Machine Company Limited. (See Molins, Walter E., assignor.)
Molins, Walter E., deceased, Deptford, London; H. B. Molins and M. H. Isaacs, executors, assignors to Molins Machine Company Limited, London, England. Tobacco manipulating machine. 2,149,924; Mar. 7.
Molins, Walter E., deceased, Deptford, London; H. B. Molins and M. H. Isaacs, executors, assignors to Molins Machine Company Limited, London, England. Method of and apparatus for feeding tobacco to cigarette-making or tobacco-packaging machines. 2,149,925; Mar. 7.
Mollenkof, Jesse P. (See McClatchy, J. B., Mollenkof, and Mercaldo.)
Moncrieff, Robert W., and P. H. Miller, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,149,536; Mar. 7.
Mongan, John. (See Choma, Michail, assignor.)
Monroe Auto Equipment Company. (See Nickelsen, John M., assignor.)
Monroe Calculating Machine Company. (See Enders, Hugo E., assignor.)
Monsanto Chemical Company. (See Bump, Albert H., assignor.)
Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)
Monsanto Chemical Company. (See Wilson, W. S., and White, assignors.)

Moore, James B. (See Cook, J. F., Jr., and Moore.)
Moore, Joseph G., Runcorn, and L. T. Dod, Great Crosby, Liverpool, England, assignors to Imperial Chemical Industries Limited. Chlorinated rubber product. 2,149,926; Mar. 7.
Morehouse, Terry B., Short Beach, Conn. Educational device. 2,149,459; Mar. 7.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,149,860; Mar. 7.
Morton, George A., Haddon Heights, N. J., assignor to Radio Corporation of America. Television transmitting tube. 2,149,977; Mar. 7.
Morton, William, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding apparatus. 2,149,861; Mar. 7.
Morton, William P., Indianapolis, Ind. Apparatus for producing biscuits. 2,149,537; Mar. 7.
Morton, William P., Indianapolis, Ind. Producing biscuits. 2,149,538; Mar. 7.
Mosshart, Donald J. (See Foresman, R. A., and Mosshart.)
Mosshart, Donald J., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air control device for combustion apparatus. 2,149,402; Mar. 7.
Mosshart, Donald J., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Combustion apparatus. 2,149,539; Mar. 7.
Mueller, Paul M. (See Ward, J. C., Jr., and Mueller.)
Müller, Eugen L., Berlin, Germany. Carbureting in internal combustion engines. 2,149,460; Mar. 7.
Müller, Waldemar, Berlin-Sandau, Germany. Parachute. 2,149,540; Mar. 7.
Mundy, William J., University City, assignor to C. T. Small Manufacturing Company, St. Louis, Mo. Apparatus for filling cans. 2,149,461; Mar. 7.
Murbach, Emil, assignor of one-half to "Danuvia" Ipari és Kereskedelmi R. T., Budapest, Hungary. Barrel-changing device for automatic firearms. 2,149,707; Mar. 7.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,149,403; Mar. 7.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Museus, Melvin O., assignor of three-tenths to J. E. Nekowitsch and three-tenths to S. Nekowitsch, St. Paul, Minn. Timer checking device. 2,149,620; Mar. 7.
Myer, James E., assignor to Timber Engineering Company, Washington, D. C. Ring timber connector. 2,150,141; Mar. 7.
N. V. Noury & van der Lande's Exploitatie Maatschappij. (See Jørgensen, Holger, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See De Schrevel, Wilhelm A. K., assignor.)
Nagle, Joseph J., Philadelphia, Pa. Wrench. 2,149,541; Mar. 7.
Nash, Russell K., Brookline, assignor to B. B. Chemical Co., Boston, Mass. Coating apparatus for strip material. 2,149,307; Mar. 7.
National Aniline and Chemical Company. (See Riegler, Riewen, assignor.)
National Road Joint Manufacturing Company. See Klein, Samuel, assignor.)
National-Standard Company. (See Hormel, August, assignor.)
Nekowitsch, John E., et al. (See Museus, Melvin O., assignor.)
Nekowitsch, Stephen, et al. (See Museus, Melvin O., assignor.)
Nelson, Adolph L., Detroit, Mich. Piston. 2,149,862; Mar. 7.
Nelson, David J., assignor to Martin & Schwartz, Inc., Buffalo, N. Y. Gas and liquid pumping and separating apparatus. 2,150,125; Mar. 7.
Nelson, Floyd R., assignor to Cotta Transmission Corporation, Rockford, Ill. Coal distributor for stoker retorts. 2,150,035; Mar. 7.
Netzschkauer, Maschinenfabrik Franz Stark & Söhne. (See Fuss, Johann, assignor.)
Neubauer, Emil T. P., and A. B. Newton, assignors to York Ice Machinery Corporation, York, Pa. Refrigeration. 2,150,076; Mar. 7.
Neugebauer, Franz, Dessau-Alten, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Machine set. 2,149,785; Mar. 7.
Neville Company, The. (See Carmody, William H., assignor.)
Newick, Richard P., Rutherford, N. J. Camera exposure control apparatus. 2,149,743; Mar. 7.
News Projection Corporation. (See Eitzen, August D., assignor.)
Newton, Alwin B. (See Neubauer, E. T. P., and Newton.)
Niagara Falls Wire Stitchers, Inc. (See Rodda, Edward J., assignor.)
Nibecker, Howard A. (See Hiller, S., and Nibecker.)
Nichols, Richard D., Columbus, Ohio, assignor to The Jeffery Manufacturing Company. Air launder. 2,149,744; Mar. 7.
Nickelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Connector. 2,149,621; Mar. 7.
Nickelsen, John M., Ann Arbor, assignor to Monroe Auto Equipment Company, Monroe, Mich. Connector. 2,149,622; Mar. 7.
Nielsen, Jens C. Chicago, Ill. Miniature bowling game apparatus. 2,149,786; Mar. 7.
Niemann, Frederick A., Chicago, and J. A. V. Turck, Wilmette, assignors to Felt & Tarrant Mfg. Co., Chicago, Ill. Calculating machine. 2,149,817; Mar. 7.
Nigro, Leo, New York, N. Y. Compression engine for vehicles. 2,149,623; Mar. 7.
Nineteen Hundred Corporation. (See Keil, Gustav B., assignor.)
Noel, Guy E., Muncie, Ind. Display and retainer device. 2,149,978; Mar. 7.
North, William B., East Orange, N. J. Building construction. 2,149,818; Mar. 7.
Norton Company. (See Alvord, Charles C., assignor.)
Norton Company. (See Kistler, Samuel S., assignor.)
No-Sag Spring Company. (See Kloppman, Paul, assignor.)
Oakite Products, Inc. (See Johnson, Le Baron B., assignor.)
Oehler, Jesse L., Jennings, La. Flow regulating means for oil wells. 2,150,077; Mar. 7.
Ogle, Kenneth N., assignor to Trustees of Dartmouth College, Hanover, N. H. Trial lens. 2,149,897; Mar. 7.
Old Dominion Box Company. (See Becker, Walter A., assignor.)
Olley, Maurice, assignor to General Motors Corporation, Detroit, Mich. Harmonic balancer for vehicle road wheels. 2,149,863; Mar. 7.
Olsen, Gustav A. (See Albertson, F. O., and Olsen.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lock nut. 2,149,359; Mar. 7.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Fastener unit. 2,150,126; Mar. 7.
Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Treating pistons. 2,149,787; Mar. 7.
Oppliger, Ernst, Zofingen, assignor to Beweg A.-G., Werkstätte für das Graphische Gewerbe, Bern, Switzerland. Machine for inserting supplements into folded signatures. 2,149,462; Mar. 7.
Orr, Albert S., Upper Darby, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Treating lubricants. 2,149,788; Mar. 7.
Orr, John A., Chicago, Ill. Electric cutter and trimmer. 2,149,463; Mar. 7.
Osborn, S. Douglas, and O. Dahl, Spokane, Wash. Filter. 2,149,745; Mar. 7.
Osborne, Herbert C., assignor to Webster Electric Company, Racine, Wis. Fuel supply unit for oil burners. 2,149,864; Mar. 7.
Oster Manufacturing Company, The. (See Reed, K. W., and Maurer, assignors.)
Osterstrom, Rudolph C. (See Lang, E. H., and Osterstrom.)
Otis Elevator Company. (See Bruns, William H., assignor.)
Otis Elevator Company. (See Lewis, J. D., and Krauer, assignors.)
Owen, John H., Folsom City, Calif. Braking device. 2,149,624; Mar. 7.
Owen, John J. (See Beller, H., and Owen.)
Owens, James S. (See Goos, A. W., and Owens.)
Pabst, Hans, Leipzig, Germany. Folding box. 2,149,625; Mar. 7.
Pace, Anderson, Jr., Ithaca, N. Y., assignor to The Lehon Company, Chicago, Ill. Dyeing of mineral materials. 2,149,979; Mar. 7.
Pacific Electric Manufacturing Corporation. (See Thompson, Joseph S., assignor.)
Package Machinery Company. (See Lyon, Norman W., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Interlocking means for a group of electrical contactors. 2,149,865; Mar. 7.
Pagliaroni, John V., Clawson, assignor of one-half to M. A. Hund, Grosse Pointe Park, and one-fourth to J. Halter, Detroit, Mich. Valve lubricating system. 2,149,898; Mar. 7.
Paper Dispensers, Inc. (See Colburn, Bearl F., assignor.)
Paramount Fireworks Company. (See Holcomb, Lester, assignor.)
Paret, Henry W., Jr., Pittsburgh, Pa. Method and apparatus for controlling furnace combustion. 2,149,980; Mar. 7.
Paris, Andrew J. (See Paris, James J., G. J., and A. J.)
Paris, George J. (See Paris, James J., G. J., and A. J.)
Paris, James J., G. J., and A. J., Detroit, Mich. Clock. 2,150,036; Mar. 7.
Parish, Fred A., Newton, Iowa. Wringer head mechanism. 2,149,866; Mar. 7.
Parisian Novelty Company. (See Komorous, Joseph, assignor.)
Parker, Frederick D. (See Fleming, R. S., Parker, and Hawley.)
Parker, Humphrey F., and J. G. Aceves, New York, N. Y., assignors to Brown Instrument Company, Philadelphia, Pa. Measuring and control method and apparatus. 2,150,006; Mar. 7.
Pascale, Pasquale, assignor to Dri-Steam Valve Corporation, New York, N. Y. Steam drier for use on locomotives. 2,149,626; Mar. 7.

Paschke, Max, Clausthal-Zellerfeld, and E. Peetz, Duisburg-Huttenheim, (Dusseldorf), Germany, assignors to H. A. Brassert & Company, Chicago, Ill. Manufacturing pig iron. 2,149,480; Mar. 7.
Passek, George C., Springfield, assignor to A. J. Paynter, Philadelphia, Pa. Stapling machine. 2,150,127; Mar. 7.
Patent and Licensing Corporation, The. (See MacDonald, Chester R., assignor.)
Patterson, Gordon D. (See Greager, O. H., and Patterson.)
Paynter, Alfred J. (See Passek, George C., assignor.)
Peale-Davis Company. (See Peale, Richard, assignor.)
Peale, Richard, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del. Method and mechanism for separating intermixed divided materials. 2,150,103; Mar. 7.
Pearson, John M., Swarthmore, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Core orientation apparatus. 2,149,715; Mar. 7.
Pearson, John M., Swarthmore, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Method and apparatus for calibrating magnetometers. 2,149,717; Mar. 7.
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Fish-cutting machine. 2,150,128; Mar. 7.
Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)
Pecker, Joseph S., Philadelphia, Pa., assignor, by mesne assignments, to Autogiro Company of America. Aircraft with rotative wings. 2,150,129; Mar. 7.
Peckham, Josiah F., assignor of one-half to H. Latham, Providence, R. I. Can top. 2,149,308; Mar. 7.
Pedersen, Florian, B., Alameda, Calif. Slicer. 2,149,981; Mar. 7.
Peetz, Eugen (See Paschke, M., and Peetz.)
Pellar, Sidney H., Chicago, Ill. Material-treating machine. 2,149,927; Mar. 7.
Peltz, Gordon M., Lancaster, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control. 2,149,542; Mar. 7.
Pennington, Stephen G., Oklahoma City, Okla., assignor to L. Darley, Jackson, Miss. Reversible hour glass indicator. 2,149,404; Mar. 7.
Pennsylvania Crusher Company. (See Battey, William A., assignor.)
Pennsylvania Petroleum Research Corporation. (See McCluer, W. B., and Fenske, assignors.)
People of the United States, Dedicated to the Free Use of the. (See Thurber, Francis H., assignor.)
People of the United States of America, Free use of the. (See McAlister, John T., assignor.)
Percival, Johanna M., administratrix. (See Klahn, Emil.)
Perfect Brassiere Company. (See Rubinstein, Abraham, assignor.)
Perkins, Melvin A. (See Beard, E. E., and Perkins.)
Peterse, George, Sr., Englewood, N. J. Burglar alarm. 2,149,901; Mar. 7.
Peterson, Floyd C., and A. T. Maasberg, assignors to The Dow Chemical Company, Midland, Mich. Alkali cellulose. 2,149,309; Mar. 7.
Peterson, Floyd C., Syracuse, N. Y., and A. T. Maasberg, assignors to The Dow Chemical Company, Midland, Mich. Alkali cellulose. 2,149,310; Mar. 7.
Petty, Edward L. (See Longshore, J. H., Smalley, and Petty.)
Peyser-Hansen Machine Co. (See Peyser, J., and Diezel, assignors.)
Peyser, Joseph, and W. Diezel, assignors to Peyser-Hansen Machine Co., Inc., Mount Vernon, N. Y. Seaming mechanism. 2,149,543; Mar. 7.
Pfeffer, Anton W., Spokane, Wash. Timed sprinkler. 2,149,809; Mar. 7.
Pfeiffer, Julius T., assignor to Erie Resistor Corporation, Erie, Pa. Spring attaching means. 2,149,746; Mar. 7.
Pharma Chemical Corporation. (See Markush, E. A., Mayzner, and Miller, assignors.)
Phillips, Arthur H., Hempstead, N. Y., and W. Allan, Jr., Ridgefield Park, N. J., assignors, by mesne asignments, to American Sales Book Company, Inc. Multiform stationery strip. 2,149,544; Mar. 7.
Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)
Picture Cover Bindings, Inc. (See Reavis, Winfred E., assignor.)
Picut, Frederick C., assignor to Economy Faucet Co., Newark, N. J. Faucet. 2,149,928; Mar. 7.
Pier, Mathias, Heidelberg, W. Simon, Ludwigshafen-on-the-Rhine, and E. Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of valuable liquid hydrocarbons. 2,149,900; Mar. 7.
Pierle, Edward W. (See Sedlon, V. J., and Pierle.)
Pierson, Torvald N., assignor to Cleaner Harvester Corporation, Independence, Mo. Delivery control mechanism for bins. 2,149,867; Mar. 7.
Pieth, Peter. (See Straub, F., Schneider, and Pieth.)
Pittsburgh Plate Glass Company. (See Fulton, Clarence E., assignor.)
Pittsburgh Steel Company. (See Kitto, William C., assignor.)
Plaskon Company. (See Shepard, W. N., and Howald, assignors.)
Plaskon Company. (See Slaughter, Charles E., assignor.)
Plastaras, James C., Laurelton, N. Y., assignor to Wil-X-M'f'g Corporation. Spraying device. 2,149,929; Mar. 7.
Plastaras, James C., Laurelton, N. Y., assignor to Wil-X-M'f'g Corporation. Nozzle for spraying devices. 2,149,930; Mar. 7.
Plate, Robert T., Detroit, Mich. Hair curler. 2,149,627; Mar. 7.
Pollock, Jim, Vinton, Iowa. Driving and sealing means for rotary fluid impellers. 2,150,078; Mar. 7.
Pool, William O. (See Ralston, A. W., and Pool.)
Poole, Nina L., Riverside, Calif. Garment hanger. 2,149,908; Mar. 7.
Potter, H. H. (See Bundy, Maurice G., assignor.)
Potts, James, Selleck, Wash. Rat trap. 2,149,311; Mar. 7.
Potts, Robert M., Dayton, Ohio. Fly-rod minnow. 2,149,464; Mar. 7.
Power Patents Company. (See Beatie, Cecil E., assignor.)
Prentice, George M., assignor to White & Wyckoff Mfg. Co., Holyoke, Mass. Coiling machine. 2,149,941; Mar. 7.
Prentice, George M., assignor to White & Wyckoff Mfg. Co., Holyoke, Mass. Coil forming machine. 2,149,942; Mar. 7.
Price, Charles P. (See Blood, Charles F., Jr., assignor.)
Price, Nathan C., assignor to Boeing Aircraft Company, Seattle, Wash. Electric pump. 2,149,545; Mar. 7.
Probst, Alfred C., Erie, Pa. Machine for creasing curtains and the like. 2,149,405; Mar. 7.
Process Management Company. (See Atwell, Harold V., assignor.)
Prout, Herbert L., Elkhart, Ind. Portable line leveling device. 2,149,360; Mar. 7.
Prutton, Carl F., assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,150,079; Mar. 7.
Pullman-Standard Car Manufacturing Company. (See Christianson, Andrew, assignor.)
Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone transmitter. 2,149,628; Mar. 7.
Pyne, Roger S. (See Van Norman, F. D., Stowell, and Pyne.)
Queensland Trustees Limited, executor. (See Teece, Sydney H.)
Rabezzana, Hector, Flint, assignor to General Motors Corporation, Detroit, Mich. Glow plug. 2,149,868; Mar. 7.
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Bell, David A., assignor.)
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Conklin, James W., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Green, Ernest, assignor.)
Radio Corporation of America. (Se Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hansell, C. W., and Goldstine, assignors.)
Radio Corporation of America. (See Holst, P. F. G., and Kirkwood, assignors.)
Radio Corporation of America. (See Kirkwood, Loren R., assignor.)
Radio Corporation of America. (See Lampel, Erich, assignor.)
Radio Corporation of America. (See Lent, Worthington C., assignor.)
Radio Corporation of America. (See Levin, Nyman, assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Maris, Elwood S., assignor.)
Radio Corporation of America. (See Morton, George A., assignor.)
Radio Corporation of America. (See Rath, Karl, assignor.)
Radio Corporation of America. (See Shore, H., and Whitaker, assignors.)
Radio Inventions, Inc. (See Hogan, J. V. L., and Miller, assignors.)
Ragsdale, Earl J. W., Norristown, and W. G. Tilsher, assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Removable paneling. 2,150,130; Mar. 7.
Ralston, Anderson W., and W. O. Pool, assignors to Armour and Company, Chicago, Ill. Flotation agents and concentrating ores therewith. 2,149,546; Mar. 7.
Rand, Benjamin G., Glendale, Calif., assignor to Remington Rand Inc., Buffalo, N. Y. Card index. 2,149,547; Mar. 7.
Rasmussen, Svend A., Silkeborg, Denmark. Safety fence for highways. 2,149,548; Mar. 7.

Rath, Karl, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Discharge tube amplifier. 2,149,361; Mar. 7.
Rattigan, Patrick, Westbury, N. Y. Construction elevator. 2,149,629; Mar. 7.
Rawlings, John J., assignor to The Rawlplug Company Limited, London, England. Wall plug. 2,150,080; Mar. 7.
Rawlplug Company Limited, The. (See Rawlings, John J., assignor.)
Raybestos-Manhattan, Inc. (See Wales, Earl A., assignor.)
Raybestos-Manhattan, Inc. (See Whitelaw, Albert, assignor.)
Reavis, Winfred E., Los Angeles, Calif., assignor to Picture Cover Bindings, Inc., Brooklyn, N. Y. Apparatus for making book covers. 2,150,104; Mar. 7.
Reconstruction Finance Corporation. (See Longshore, J. H., Smalley, and Petty, assignors.)
Reconstruction Finance Corporation. (See Rotter, Max, assignor.)
Reed, Kenneth W., East Cleveland, and H. A. Maurer, Novelty, assignors to The Oster Manufacturing Company, Cleveland, Ohio. Chaser. 2,150,037; Mar. 7.
Reichhold Chemicals. (See Hovey, A. G., and Hodgins, assignors.)
Reichhold, Helmuth. (See Hovey, A. G., and Hodgins, assignors.)
Rein, Herbert, Leipzig, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Textile assistants. 2,149,709; Mar. 7.
Reinecker, J. E., Aktien-Gesellschaft. (See Saupe, Max, assignor.)
Reis, Leonard W., Jersey City, N. J., assignor of one-half to E. Werner, New Dorp, Staten Island, N. Y. Adjustable lamp socket. 2,149,549; Mar. 7.
Remington Rand Inc. (See Rand, Benjamin G., assignor.)
Remington Rand Inc. (See Schmid, Hans, assignor.)
Resinox Corporation. (See Swallen, Lloyd C., assignor.)
Reyrolle, A., & Company Limited. (See Leyburn, Henry, assignor.)
Rhodes, Lane, et al. (See Christiansen, Frederick A., assignor.)
Richards, Arthur F. W., and H. Bright, London, England. Coupling for electrical and mechanical purposes. 2,149,550; ar. 7.
Richter, Hans, Chicago, Ill. Adjustable perforated print shovel. 2,149,630; Mar. 7.
Riddell, John T., Chicago, Ill. Making playing balls. 2,149,465; Mar. 7.
Riegler, Riewen, Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Preparation of naphthalene vapor mixtures for catalytic oxidation. 2,149,362; Mar. 7.
Ringel, Herman, Newark, N. J. Method and apparatus for tearing corrugated paper. 2,149,869; Mar. 7.
Rittler, Karl W., and W. Gündel, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Heat transfer medium. 2,149,789; Mar. 7.
Rivenburgh, Frederick L., Springfield, Ohio. Egg testing method and machine. 2,149,686; Mar. 7.
Rivers, John, Virginia, Minn. Holder for chips and playing cards. 2,149,687; Mar. 7.
Rivkin, Menahem, New York, N. Y. Advertising and educational device. 2,149,363; Mar. 7.
Robert, André, Evreux, France. Apparatus for publicity. 2,149,551; Mar. 7.
Robertson, Isaac W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Marginal reinforcing for treads. 2,150,105; Mar. 7.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Expansion joint and cap. 2,149,466; Mar. 7.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Center joint. 2,149,467; Mar. 7.
Roby, Sheldon S., Meriden, assignor to The Stanley Works, New Britain, Conn. Panic door release mechanism. 2,149,870; Mar. 7.
Roche, Philip J., Weehawken, N. J. Rope making machine. 2,149,312; Mar. 7.
Rockhill Patent Holding Corporation. (See Littlehale, Philip E., assignor.)
Rockwell, George E., Milford, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind. Hay fever antigen. 2,150,131; Mar. 7.
Rodda, Edward J., assignor to Niagara Falls Wire Stitchers, Inc., Niagara Falls, N. Y. Wire spool holder for stitching machines. 2,149,631; Mar. 7.
Rodman Chemical Company. (See Rodman, Hugh, assignor.)
Rodman, Hugh, assignor to Rodman Chemical Company, Verona, Pa. Carburizer. 2,149,747; Mar. 7.
Roesch, Christian, assignor to P. Roesch, Jamaica, N. Y. Treating and packing powdered material. 2,149,790; Mar. 7.
Roesch, Paula. (See Roesch, Christian, assignor.)
Roessel, Louis O. E., Chappaqua, assignor of one-half to Universal Development Corporation, New York, N. Y. Camera. 2,150,106; Mar. 7.
Rogers, C. E., Company. (See Brock, Harold W., assignor.)
Rohner, Leonard V. (See Kniskern, W. H., and Rohner.)
Rohr, Henry C., Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich. Oil burner control variable resistance operated stack switch. 2,149,871; Mar. 7.
Roon, Leo. (See McArdle, E. H., and Roon.)
Roope, Percy M. (See Arenberg, D. L. and Roope.)
Rosedale Knitting Co. (See Lasch, Willy H., assignor.)
Rosen, Raphael. (See Mikeska, L. A., and Rosen.)
Ross, Alan W. (See Henderson, Angus D., assignor.)
Rotter, Max, Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo. Internal combustion engine. 2,149,982; Mar. 7.
Roulements a Billes Miniatures S. A. (See Annen, Robert, assignor.)
Rousseau, Raymon E. (See Whedon, L. G. S., Grinnell, and Rousseau.)
Roxalin Flexible Lacquer Company. (See McArdle, E. H., and Roon, assignors.)
Rubinstein, Abraham, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey, City, N. J. Brassière. 2,149,819; Mar. 7.
Ruhrchemie Aktiengesellschaft. (See Velde, H., and Tramm, assignors.)
Ryde, John W., Middlesex, England, assignor to General Electric Company. Liquid-cooled electric lamp. 2,150,007; Mar. 7.
S. & S. Corrugated Paper Machinery Co. (See Ungar, Gustave A., assignor.)
Saffert, Paul. (See von Recklinghausen, H., and Saffert.)
Sagner, Walter T., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,150,038; Mar. 7.
Saler, Jules N. (See Anderson, W. B., and Saler.)
Samuel, John O., Pontilliw in Swansea, assignor, by mesne assignments, to Unifloc Reagents Limited, Swansea, Wales. Treatment of dispersions. 2,149,748; Mar. 7.
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever. 2,150,008; Mar. 7.
Sandwell, Percy R., assignor to Dominion Engineering Works Limited, Montreal, Quebec, Canada. Drying cylinder. 2,150,132; Mar. 7.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Buckle. 2,149,364; Mar. 7.
Santise, James T., Brooklyn, N. Y. Collapsible hat. 2,149,468; Mar. 7.
Saupe, Max, assignor to J. E. Reinecker, Aktien-Gesellschaft, Chemnitz, Germany. Machine tool. 2,149,791; Mar. 7.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making vibration insulators. 2,149,902; Mar. 7.
Savage, Edward S., Rochester, N. Y. Projectile. 2,149,749; Mar. 7.
Sawtelle, Charles A. (See Main, F. L., and Sawtelle.)
Saxby, Robert N., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Automatic switch as used in telephone systems. 2,149,632; Mar. 7.
Sayers, William W., Chicago, Ill., and F. E. Milck, Los Angeles, Calif., assignors to Link-Belt Company, Chicago, Ill. Tank. 2,149,313; Mar. 7.
Sbicca Method Shoes, Inc. (See Maiellano, Frank, assignor.)
Scharpf, Otto, assignor to Johnson Service Company, Milwaukee, Wis. Temperature control. 2,149,792; Mar. 7.
Scheibe, Alfred, Dessau-Ziebigk, assignor to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany. Internal combustion engine. 2,149,793; Mar. 7.
Schenk, Edouard H., New York, N. Y., assignor to E. Brandt, Paris, France. Timing and release mechanism for mechanical time fuses. 2,149,469; Mar. 7.
Schenk, Edouard H., New York, N. Y., assignor to E. Brandt, Paris, France. Mechanical time fuse. 2,149,470; Mar. 7.
Schild & Co., S. A. (See Steinmann, Emile, assignor.)
Schladt, George J., Dover, N. J. Pyrotechnic composition. 2,149,314; Mar. 7.
Schlesinger, Samuel, Brooklyn, and W. Seidenberg, New York, N. Y. Shoe. 2,149,552; Mar. 7.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schmid, Hans, Saarbruecken, Germany, assignor to Remington Rand Inc., Buffalo, N. Y. File. 2,149,553; Mar. 7.
Schmidt, David, Lakewood, assignor to The Dobeckmun Company, Cleveland, Ohio. Bag and making same. 2,149,872; Mar. 7.
Schmidt'sche Heissdampf Gesellschaft, m. b. H. (See Trede, Hans, assignor.)
Schmiedel, Johannes, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany. Machine for the production of box parts. 2,149,554; Mar. 7.
Schneider, Hermann. (See Straub, F., Schneider, and Pieth.)
Schnoor, Raymond D., Chicago, Ill. Draft apparatus. 2,149,633; Mar. 7.
Schock, Gusmer & Co. (See Schock, Robert C., assignor.)
Schock, Robert C., New Rochelle, N. Y., assignor to Schock, Gusmer & Co., Inc., Hoboken, N. J. Lauter machine. 2,150,009; Mar. 7.
Schorsch, Ignaz, Prague, Czechoslovakia. Carburetor for internal combustion engines. 2,150,081; Mar. 7.

Schott, Charles W., Duquesne, Pa. Treatment of slag. 2,149,688; Mar. 7.
Schultz, William O., South Milwaukee, and A. G. Steinmayer, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. Switch construction. 2,149,365; Mar. 7.
Schwartz, Fernand F., Paris, France, assignor to American Ecla Corporation, Dover, Del. Production of waterproof fabrics permeable to air. 2,149,750; Mar. 7.
Schweitzer, Edmund O., Jr., Northbrook, Ill. Transformer fault indicating means. 2,149,634; Mar. 7.
Schymizek, Frank, Flatbush, Alberta, Canada. Tube holder. 2,149,315; Mar. 7.
Scott, Norman D., Sanborn, and J. F. Walker, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic compounds. 2,150,039; Mar. 7.
Scott, William H., Rochester, N. Y. Signaling device. 2,149,794; Mar. 7.
Sealed Power Corporation. (See Olson, Holly M., assignor.)
Seaman, David J., and H. H. Metcalf, Battle Creek, Mich., assignors to Seaman-Metcalf Incorporated. Method and apparatus for uniting printing webs. 2,149,366; Mar. 7.
Seaman-Metcalf Incorporated. (See Seaman, D. J., and Metcalf, assignors.)
Sedlon, Vincent J., and E. W. Pierie, Cleveland, Ohio. Valve structure. 2,149,367; Mar. 7.
Seidel, Christian W., Chicago, Ill. Elastic welt for stockings. 2,150,133; Mar. 7.
Seidenberg, William. (See Schlesinger, S., and Seidenberg.)
Seigle, William R., Mamaroneck, N. Y., and B. Townshend, Westfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus and method for making mineral wool. 2,150,040; Mar. 7.
Servel, Inc. (See Collins, William D., assignor.)
Servel, Inc. (See Hamby, William I., assignor.)
Servel, Inc. (See Simpson, Walter M., assignor.)
Servel, Inc. (See Sutherland, Donald W., assignor.)
Servo-Frein Dewandre Societe Anonyme. (See Defives, Raymond, assignor.)
Shapiro, Henry, New York, and I. Joffe, Brooklyn, N. Y.; said Shapiro assignor to said Joffe. Power transmission device. 2,149,873; Mar. 7.
Sharp & Dohme, Incorporated. (See Masucci, Peter, assignor.)
Sharp, William H., Columbus, Ohio. Supporting the meeting ends of railroad rails. 2,150,041; Mar. 7.
Shaw, Melvin C. (See Kollberg, G. L., and Shaw.)
Shell Development Company. (See Tijmstra, Sijbren, assignor.)
Shell Development Company. (See van Tonningen, Johannes H. W. R., assignor.)
Shell Development Company. (See Yabroff, D. L., and White, assignors.)
Shepard, Whiting N., and A. M. Howald, assignors to Plaskon Company, Incorporated, Toledo, Ohio. Lighting fixture. 2,149,635; Mar. 7.
Sherman, John Q., Dayton, Ohio. Superposed record strip and registering and aligning the same. 2,149,316; Mar. 7.
Shields, Jesse W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tractor wheel. 2,150,107; Mar. 7.
Shore, Henry, Brooklyn, and J. N. Whitaker, Tuckahoe, N. Y., assignors to Radio Corporation of America. Saw-tooth wave generator. 2,149,471; Mar. 7.
Shultz, Michael L., assignor to The Dole Valve Company, Chicago, Ill. Pipe coupling. 2,150,042; Mar. 7.
Siedle, Arnold D., Canton, assignor to The Hoover Company, North Canton, Ohio. Absorber for refrigerating systems. 2,149,406; Mar. 7.
Siedler, Philipp, E. Kayser, H. Korte, and W. Waibel, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bleaching of bast fibers. 2,150,134; Mar. 7.
Siemens & Halske, Aktiengesellschaft. (See Geyger, Wilhelm, assignor.)
Simon, Arthur. (See Stansbury, C., and Simon.)
Simon, Walter. (See Pier, M., Simon, and Donath.)
Simpson, Lowe E., Cincinnati, Ohio. Sifter. 2,149,368; Mar. 7.
Simpson, Walter M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Safety device for a liquid fuel burner. 2,149,820; Mar. 7.
Sinclair, Harold, London, England. Power transmission system embodying hydraulic couplings. 2,149,369; Mar. 7.
Singer Manufacturing Company, The. (See Ackerman, Albert A., assignor.)
Singer Manufacturing Company, The. (See Wolff, Samuel S., assignor.)
Sinko, John, Chicago, Ill. Cigar lighter. 2,149,931; Mar. 7.
Shakespeare Company. (See Balz, W. G., and Clickner, assignors.)
Skinner, Leo V. (See Zilberman, M. C., Thunberg, and Skinner.)
Skoblin, Serge K., Missoula, Mont. Closure for collapsible containers. 2,149,795; Mar. 7.
Slaughter, Charles E., Westfield, N. J., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Composite photographic plate and frame. 2,149,636; Mar. 7.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Motor control system. 2,149,472; Mar. 7.
Small, C. T., Manufacturing Company. (See Mundy, William J., assignor.)
Smalley, Dave E. (See Longshore, J. H., Smalley, and Petty.)
Smith, Arthur B., Evanston, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Public address system. 2,149,637; Mar. 7.
Smith, Carlton E., Linthicum Heights, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Treatment of titanium liquors. 2,149,370; Mar. 7.
Smith, Frank A. (See Taylor, G. E., and Smith.)
Smith, Frederick E., San Leandro, Calif. Low-pressure alarm for tires. 2,149,555; Mar. 7.
Smith, Jacob K., North Baltimore, Ohio. Paper holder. 2,149,796; Mar. 7.
Smith, Jesse H., Westfield, Mass. Electrostatic cleaner. 2,149,556; Mar. 7.
Smith, Richard G., Amsterdam, N. Y. Automatic loader. 2,149,710; Mar. 7.
Smith, William A. D., Hampstead, London, and N. H. Webb, Hendon, London, England. Heating and ventilating device. 2,149,689; Mar. 7.
Smith, William F., Brooklyn, N. Y. Bearing. 2,149,983; Mar. 7.
Smutny, Theodore J., assignor to Collegiate Manufacturing Co., Inc., New York, N. Y. Lady's undergarment. 2,150,108; Mar. 7.
Smyers, William H. (See Leber, E., and Smyers.)
Snodgrass, John A., Prescott, Ark. Fountain pen. 2,149,557; Mar. 7.
Snyder, George A., West Hollywood, Calif. Blood pressure testing machine. 2,149,690; Mar. 7.
Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva. (See Bethenod, Joseph, assignor.)
Société Anonyme Solex. (See Mennesson, Marcel, assignor.)
Society of Chemical Industry in Basle. (See Grossmann, P., and Bommer, assignors.)
Society of Chemical Industry in Basle. (See Miescher, K., and Urech, assignors.)
Society of Chemical Industry in Basle. (See Sonn, Adolf, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., Schneider, and Pieth, assignors.)
Söderström, Anders V., Rovaniemi, Finland. Snow chain and runner or ski for motor vehicles. 2,150,135; Mar. 7.
Solomon, Guillermo, Santiago, Dominican Republic. Trailer hitch. 2,150,010; Mar. 7.
Solomon, Nathan L., Brooklyn, N. Y. Hair curler. 2,149,317; Mar. 7.
Solomon, Nathan L., Brooklyn, N. Y. Compound curler. 2,149,318; Mar. 7.
Solvay Process Company, The. (See Kniskern, W. H., and Rohner, assignors.)
Sonn, Adolf, Konigsberg, Germany, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Imidazolines. 2,149,473; Mar. 7.
Soprani, Mario. (See Guidobaldi, Alfredo, assignor.)
Soussa, Edmond, Paris, France. Treatment of human hair. 2,149,319; Mar. 7.
Southern States Equipment Company, The. (See Lemmon, George N., assignor.)
Spalding, A. G., & Bros. (See East, James V., assignor.)
Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 2,149,407; Mar. 7.
Spang, Joseph P., Quincy, Mass. Meat-slitting machine. 2,149,638; Mar. 7.
Sperry Gyroscope Company. (See Walter, Hollis, assignor.)
Sperry Gyroscope Company. (See Witham, Raymond L., assignor.)
Sperry-Sun Well Surveying Company. (See Beattie, Clay H., Jr., assignor.
Sperry-Sun Well Surveying Company. (See Pearson, John M., assignor.)
Spiral Binding Company. (See Catini, Vincenzo, assignor.)
Sprout, Waldron & Company. (See Hall, William F., assignor.)
Sprunger, Ivan F., Fort Wayne, Ind. Measuring device. 2,150,082; Mar. 7.
Stallmann, Otto, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vat dyestuffs. 2,150,109; Mar. 7.
Standard Brands Incorporated. (See Webber, George R., assignor.)
Standard-I. G. Company. (See Pier, M., Simon, and Donath, assignors.)
Standard Oil Company. (See Brown, Arthur B., assignor.)
Standard Oil Development Company. (See Lieber, E., and Smyers, assignors.)
Standard Oil Development Company. (See Mikeska, L. A., and Rosen, assignors.)
Stang, John W., Hollis, N. Y. Well point. 2,149,874; Mar. 7.
Stanley, George E., Coventry, England. Plate clutch. 2,150,083; Mar. 7.
Stanley Works, The. (See Roby, Sheldon S., assignor.)

Stansbury, Carroll, Wauwatosa, and A. Simon, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Measuring instrument. 2,149,558; Mar. 7.

Stapley, Philip H., Stratford, assignor to Bridgeport Brass Company, Bridgeport, Conn. Adjustable venting control for air valves. 2,150,136; Mar. 7.

Stark, William H., Langhorne, Pa. Manufacture of bag handles and bags combined therewith. 2,150,043; Mar. 7.

Starke, Anton A., assignor of twenty-five per cent to G. Casci, twenty per cent to G. Casci, twenty per cent to E. Starke, and ten per cent to D. Cassettari, Reno, Nev. Tube inflating device. 2,149,797; Mar. 7.

Starke, Elizabeth, et al. (See Starke, Anton A., assignor.)

Starkey, William C., Indianapolis, Ind., assignor of one-half to A. E. Krick. Well-drilling bit. 2,149,798; Mar. 7.

Steffen, Otto, Apparatebau. (See Briese, Fritz, assignor.)

Steinmann, Emile, assignor to the firm Schild & Co., S. A., La Chaux De Fonds, Switzerland. Electric motor. 2,149,559; Mar. 7.

Steinmayer, Alwin G. (See Schultz, W. O., and Steinmayer.)

Stevenson, Robert A., Lancaster, Ohio. Memorandum device. 2,149,408; Mar. 7.

Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,149,799; Mar. 7.

Stinson, Lyman A., Chicago, assignor of one-half to J. L. Allen, Wilmette, Ill. Automatic show card printing device. 2,149,984; Mar. 7.

Stock, Friedrich, J. J., Berlin-Tempelhof, Germany. Fountain brush. 2,149,711; Mar. 7.

Story, Le Roy G., Bronxville, assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oils and gases. 2,149,800; Mar. 7.

Stowell, Byron F. (See Van Norman, F. D., Stowell, and pyne.)

Straub, Fritz, Basel, H. Schneider, Riehen, and P. Pieth, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. 4-nitro-2-amino-1-hydroxynaphthalene sulphonic acids and making same. 2,149,474; Mar. 7.

Strauss, Bernhard E., Watertown, and H. Faultersack; said Strauss assignor to A. Testolin, Waukesha, Wis. Car heater and defroster. 2,150,110; Mar. 7.

Strietelmeier, John E., assignor to Bar-B-Buns, Inc., Cincinnati, Ohio. Bun filling device. 2,149,639; Mar. 7.

Studien- und Verwertungsgesellschaft mit beschrankter Haftung. (See Fischer, Franz, assignor.)

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Super Mold Corporation of California. (See Glynn, Edwin A., assignor.)

Surface Combustion Corporation. (See de Coriolis, Ernest G., assignor.)

Sutherland, Donald W., Sioux Falls, S. Dak., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,149,821; Mar. 7.

Swallen, Lloyd C., Pekin, Ill., assignor to Resinox Corporation, New York, N. Y. Alpha-ethyl beta-propyl acrolein resins. 2,150,137; Mar. 7.

Swift Electric Welder Company. (See Woofter, Herbert A., assignor.)

Swinney, Thomas J., London, England. Throttle controlled induction system of internal combustion engines of the compression ignition type. 2,149,691; Mar. 7.

Sykes, Cameron M., and A. Binns, Soho Foundry, Birmingham, assignors to W. & T. Avery Limited, Birmingham, England. Printing and recording mechanism for weighing apparatus. 2,149,475; Mar. 7.

Symington-Gould Corporation, The. (See Cameron, Joseph A., assignor.)

Szekely Company, The. (See Szekely, Otto E., assignor.)

Szekely, Otto E., Elmira, N. Y., assignor to The Szekely Company, Inc. Variable ratio transmission. 2,149,320; Mar. 7.

Talbott, James E., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Cable support. 2,149,875; Mar. 7.

Tannehill, Arthur L., Gary, Ind. Refining benzol light oil for motor fuel. 2,150,084; Mar. 7.

Tatter, John W., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Making wheel structures. 2,150,111; Mar. 7.

Taylor, George E., and F. A. Smith, Charleston, W. Va. Mechanical movement. 2,149,321; Mar. 7.

Teece, Sydney H., deceased, Boulia, Queensland, by Queensland Trustee Limited, executor, Brisbane, Australia. Variable speed power transmission mechanism. 2,149,560; Mar. 7.

Tegarty, John B., Lakewood, Ohio. Making car coupler yokes. 2,149,640; Mar. 7.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berndt, Walter, assignor.)

Teletype Corporation. (See Benjamin, Abraham S., assignor.)

Temple, Robert, Jr., Pittsburgh, Pa. Explosively actuated press. 2,149,641; Mar. 7.

Tepper, Joseph, Boston, Mass. Combined canvas-stretcher and picture frame. 2,149,985; Mar. 7.

Terrell Machine Company, The. (See Kimbirl, Julius E., assignor.)

Testolin, Alfeo. (See Strauss, B. E., assignor, and Faultersack.)

Tetzlaff, Benjamin A., Riverside, Ill. Toy construction block and interlocking retainer therefor. 2,149,476; Mar. 7.

Texas Company, The. (See Heisig, Theodore C., assignor.)

Texas Company, The. (See Story, Le Roy G., assignor.)

Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Processing apparatus. 2,149,561; Mar. 7.

Thompson, Joseph S., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,149,642; Mar. 7.

Thompson, Will E. S., Flagstaff, Ariz. Portable boat. 2,149,903; Mar. 7.

Thornton, Joseph H., Spokane, Wash. Book hanger. 2,149,801; Mar. 7.

Thunberg, Leander O. (See Ziiberman, M. C., Thunberg, and Skinner.)

Thurber, Francis H., Arlington, Va., dedicated to the free use of the People of the United States. Extraction of root starches. 2,149,802; Mar. 7.

Tijmstra, Sijbren, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,149,643; Mar. 7.

Tilsher, Warner G. (See Ragsdale, E. J. W., and Tilsher.)

Timber Engineering Company. (See Myer, James E., assignor.)

Tinker, Ralph, Fountain City, Wis. Power steering mechanism. 2,150,011; Mar. 7.

Tirrell, Philip F., Phillipsburg, N. J. Loom. 2,149,692; Mar. 7.

Tirrell, Philip F., Phillipsburg, N. J. Loom. 2,149,693; Mar. 7.

Titanium Alloy Manufacturing Company, The. (See Kinzle, C. J., and Hake, assignors.)

Todd, Claude O., Washington, D. C. Lawn mower. 2,150,085; Mar. 7.

Toledo Scale Manufacturing Company. (See Hurt, Samuel N., assignor.)

Tolman, Samuel L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Method and apparatus for cleaning sewage. 2,149,751; Mar. 7.

Townshend, Bailey. (See Seigle, W. R., and Townshend.)

Tramm, Heinrich. (See Velde, H., and Tramm.)

Transart Aktiebolag. (See Kroner, Friedrich, assignor.)

Translode Joint Company, The. (See Robertson, Robert R., assignor.)

Trede, Hans. (See Hartmann, O. H., and Trede.)

Trede, Hans, assignor to the firm of Schmidtsche Heissdampf Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany. Marine water tube boiler. 2,149,477; Mar. 7.

Triner, James M., assignor to Triner Scale & Manufacturing Company, Chicago, Ill. Printing mechanism. 2,149,478; Mar. 7.

Triner, James M., assignor to Triner Scale and Manufacturing Company, Chicago, Ill. Scale. 2,149,479; Mar. 7.

Triner Scale & Manufacturing Company. (See Triner, James M., assignor.)

Trotman, George. (See Ashmore, L. H., and Trotman.)

Truman, Sam O., Overton, Tex. Oil gauge line wiper and brake. 2,150,086; Mar. 1.

Tungsten Electrodeposit Corporation. (See Armstrong, H. H., and Menefree, assignors.)

Turck, Joseph A. V. (See Niemann, F. A., and Turck.)

Turgard, Inc. (See Kilburg, James, assignor.)

Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Oil treating process. 2,149,322; Mar. 7.

Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Solvent and treating mineral oils. 2,149,323; Mar. 7.

Uhlig, George J., assignor to Victor Adding Machine Company, Chicago, Ill. Control mechanism. 2,149,371; Mar. 7.

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Underwood Elliott Fisher Company. (See Sagner, Walter T., assignor.)

Ungar, Gustave A., Pelham Manor, assignors to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Cutting machine. 2,149,822; Mar. 1.

Unifloc Reagents Limited. (See Samuel, John O., assignor.)

Union Carbide and Carbon Corporation. (See Frazier, Ralph B., assignor.)

Union Carbide and Carbon Company. (See George, Harry S., assignor.)

Union Carbide and Carbon Corporation. (See Groff, Frazier, assignor.)

Union Carbide and Carbon Corporation. (See Morton, William, assignor.)

Union Fork and Hoe Company, The. (See Finkes, George M., assignor.)

Union Steel Products Company. (See Hatch, Charles T., assignor.)

United Aircraft Corporation. (See Caldwell, Frank W., assignor.)

United Last Company. (See Levaggi, Victor, Jr., assignor.)

United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)

United Shoe Machinery Corporation. (See Merrick, Frank W., assignor.)

Universal Development Corporation. (See Roessel, Louis O. E., assignor.)

Universal Oil Products Company. (See Bergman, Donald J., assignor.)

Universal Oil Products Company. (See McCaffrey, John W., assignor.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

"Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co. (See Schmiedel, Johannes, assignor.)

Urech, Ernst. (See Miescher, K., and Urech.)

Utah Radio Products Company. (See Barrett, Edward L., assignor.)

Valley Appliances Company. (See Lee, Ulysses G., assignor.)

Van Bosch, Edward, and R. H. Hoffman; said E. Van Bosch assignor to M. Van Bosch, Chicago, Ill. Automatic shade. 2,149,481; Mar. 7.

Van Bosch, Maurice. (See Van Bosch, E., assignor, and Hoffman.)

Vanderbilt, Byron M., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Refining rosin. 2,150,138; Mar. 7.

Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Showcase sliding door mounting. 2,149,644; Mar. 7.

Van Norman, Frederick D., B. F. Stowell, and R. S. Pyne, assignors to Van Norman Machine Tool Company, Springfield, Mass. Oscillating grinder. 2,149,409; Mar. 7.

Van Norman Machine Tool Company. (See Van Norman, F. D., Stowell, and Pyne, assignors.)

Van Sittert, Paul, Cleveland Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Governor for fluid motors. 2,149,645; Mar. 7.

Van Tonningen, Johannes H. W. R., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Fractionating method. 2,149,943; Mar. 7.

Van Veen, Anton, West Hartford, Conn., assignor to American Machine & Foundry Company. Strip sealer for wrapping machines. 2,149,944; Mar. 7.

Vaughan, Henry E., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage limiter. 2,149,372; Mar. 7.

Velde, Hermann, and H. Tramm, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany. Producing liquid fuels from gaseous olefins. 2,149,562; Mar. 7.

Vervueren, Jean. (See Hagendorn, J. E., and Vervueren.)

Vickers, Harry F. (See Herman, K. R., and Vickers.)

Vickers, Incorporated. (See Herman, K. R., and Vickers, assignors.)

Vickery, Frederick P., Sacramento, assignor to California Spray-Chemical Corporation, Berkeley, Calif. Producing high saturation oils. 2,149,752; Mar. 7.

Victor Adding Machine Company. (See Uhlig, George J., assignor.)

Vincent, Gordon G., and A. Cook, Hamilton, Ontario, Canada, assignors to E. I. du Pont de Nemours & Co., Inc., Wilmington, Del. Melting and purifying sulphur. 2,149,373; Mar. 7.

Vitamol, Inc. (See Lubarsky, George H., assignor.)

Vollrath, Richard E., Los Angeles, Calif. Spontaneously inflammable flashlight composition and preparation. 2,149,694; Mar. 7.

Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Circuit breaker. 2,150,012; Mar. 7.

Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Circuit breaker. 2,150,013; Mar. 7.

Von Recklinghausen, Hans, Dessau in Anhalt, and P. Saffert, Wolfen Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Treatment of bundles of artificial fibers. 2,149,708; Mar. 7.

Von Seebeck, George. (See Lea, Edward S., assignor.)

Von und zu Guttenberg, Friedrich H., Genthin, and R. Köhler, Dusseldorf-Benrath, assignors to the firm Henkel & Cie, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Stabilizing color binding agent. 2,150,060; Mar. 7.

Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,149,646; Mar. 7.

Waibel, Wilhelm. (See Siedler, P., Kayser, Korte, and Waibel.)

Wales, Earl A., Cleveland, Ohio, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Friction element. 2,149,324; Mar. 7.

Walgren, Olof H., Grand Forks, N. Dak. Sliding scooter. 2,150,087; Mar. 7.

Walker, Joseph F. (See Scott, N. D., and Walker.)

Wallace, Bert A., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Composite selector circuit. 2,149,753; Mar. 7.

Wallgren, August G. F., Stockholm, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden. Bearing. 2,149,712; Mar. 7.

Walter, Eugen. (See Dalmer, O., and Walter.)

Walter, Hollis, Baldwin, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Feeding and arc striking mechanism for searchlights. 2,150,014; Mar. 7.

Wampner, Herbert L., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Finishing system for acoustical surfaces. 2,150,139; Mar. 7.

Ward, John C., Jr., and P. M. Mueller, Rome, N. Y., assignors, by mesne assignments, to Burton-Dixie Corporation. Porch glider. 2,149,647; Mar. 7.

Warnat, Kurt, Basel, Switzerland, assignor to Hoffman-La Roche, Inc., Nutley, N. J. Derivatives of ascorbic acid having an anti-scorbutic action and the manufacture of same. 2,150,140; Mar. 7.

Warner, Merit J., Santa Paula, Calif. Conveyer apparatus. 2,149,563; Mar. 7.

Warner & Swasey Company, The. (See Burrell, Edward P., assignor.)

Waters, Thomas E., Atlantic, Iowa. Battery clamp remover. 2,149,564; Mar. 7.

Wayne Pump Company, The. (See Lennart, Eugene J., assignor.)

Webb, George W., Los Angeles, Calif. Smoke conditioner for tobacco pipes. 2,149,648; Mar. 7.

Webb, Nelson W., assignor to Eastwood-Nealley Corporation, Belleville, N. J. Covering for dandy rolls, cylindrical molds, or the like for use in paper making machines. 2,149,649; Mar. 7.

Webb, Norman H. (See Smith, W. A. D., and Webb.)

Webber, George R., Grantwood, N. J., assignor to Standard Brands Incorporated, New York, N. Y. Tea bag. 2,149,713; Mar. 7.

Webster Electric Company. (See Osborne, Herbert C., assignor.)

Weeks, Leonard M., Modesto, Calif. Junior speedway. 2,149,823; Mar. 7.

Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Pad-a-month desk calendar. 2,149,904; Mar. 7.

Weisman, Morris, Brooklyn, N. Y. Demand meter. 2,149,410; Mar. 7.

Welker, William, Oberfrohna, Germany. Flat knitting frame. 2,144,986; Mar. 7.

Wellman, Samuel K., Cleveland Heights, Ohio. Shock absorber. 2,149,374; Mar. 7.

Wendt, Gerald L., New York, and D. Fronmuller, Middle Village, Long Island, assignors to Coffee Products Corporation, New York, N. Y. Soluble coffee product and preparing same. 2,149,876; Mar. 7.

Werner, Edwin. (See Reis, Leonard W., assignor.)

Western Electric Company. (See Blount, Harry, assignor.)

Westinghouse Electric & Manufacturing Company. (See Allard, Arthur R., assignor.)

Westinghouse Electric & Manufacturing Company. (See Anderson, W. B., and Saler, assignors.)

Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Mosshart, Donald J., assignor.)

Weston Electrical Instrument Corporation. (See Lederer, K. M., and Dempster, assignors.)

Wettermark, Carl A., Dale, assignor, by mesne assignments, to R. W. Fair, Tyler, and E. A. Kliewer, Longview, Tex. Tubing scraper for oil wells. 2,149,824; Mar. 7.

Westphal, Paul A., Los Angeles, Calif. Inkwell and the like. 2,149,650; Mar. 7.

Whedon, Le Grand S., and A. A. Grinnell, assignors, by mesne assignments, to L. S. Whedon, Medina, N. Y. Mounting for seat structures. 2,149,945; Mar. 7.

Whedon, Le Grand S., and A. A. Grinnell, Medina, and R. E. Rousseau, Buffalo, assignors, by mesne assignments, to L. S. Whedon, Medina, N. Y. Slide and guide support for seat structure. 2,149,946; Mar. 7.

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Frequency selective network. 2,150,044; Mar. 7.

Whitaker, James N. (See Shore, H., and Whitaker.)

Whitaker, Stanley E., Middletown, Ohio. Fisherman's live bait cage. 2,149,482; Mar. 7.

White, Anthony B., Hot Springs, assignor of fifty per cent to H. K. Wright, Hot Springs National Park, Ark. Auto-diagraph for ball games. 2,149,325; Mar. 7.

White, Ellis R. (See Yabroff, D. L., and White.)

White, John A., Harlingen, Tex. Fishing reel. 2,150,088; Mar. 7.

White, John F. (See Wilson, W. S., and White.)

White, John W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake construction. 2,149,651; Mar. 7.

White & Wyckoff Mfg. Co. (See Prentice, George M., assignor.)

Whiteford, Thomas, Chelsea, Mass. Control apparatus. 2,149,754; Mar. 7.

Whitehead, George E., assignor to Whitehead Switchgear and Inventions Limited, Cardiff, South Wales. Circuit breaker. 2,150,089; Mar. 7.

Whitehead Switch and Inventions Limited. (See Whitehead, George E., assignor.)

Whitelaw, Albert, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction element and making same. 2,149,483; Mar. 7.

Whittlear, Curtis, Philadelphia, Pa. Head mirror. 2,149,652; Mar. 7.

Wiebe, Harry H., Minneapolis, Minn. Doorknob. 2,149,375; Mar. 7.
Wiggins, John H., Chicago, Ill. Gas and/or liquid storage apparatus. 2,149,376; Mar. 7.
Wight, Francis J., Springfield, Ohio. Safety belt. 2,149,803; Mar. 7.
Wilhelm, James M., Marietta, Ohio. Electrically controlled lock. 2,149,695; Mar. 7.
Wilkin, George W., Spokane, Wash. Variable capacity gear pump. 2,149,326; Mar. 7.
Wilm, Diederich. (See Franck, H. H., and Wilm.)
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Wilson, William S., Brookline, and J. F. White, Somerville, Mass., assignors, by mesne assignments, to Monsanto Chemical Company. Preparing anhydrous ferric sulphate. 2,149,327; Mar. 7.
Wil-X-M'f'g Corporation. (See Plastaras, James C., assignor.)
Winandy, Mike, Richmond, Ind. Form for concrete structures. 2,149,653; Mar. 7.
Winkelmann, Herbert A., and E. W. Moffett, Chicago, Ill., assignors to Marbon Corporation. Cyclic halogen containing rubber derivatives. 2,149,484; Mar. 7.
Winslow, Edward N., Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for capping bottles. 2,149,377; Mar. 7.
Winslow, Edward N., Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Packaging. 2,149,378; Mar. 7.
Witham, Raymond L., Mountain Lake, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Salinity indicator system. 2,150,015; Mar. 7.
Wolff, Samuel S., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Automatic regulating system for battery operated motor-generator sets. 2,150,112; Mar. 7.
Wood, Andrew C., assignor to Dixie-Vortex Company, Chicago, Ill. Printing and punching blanks. 2,150,016; Mar. 7.
Wood, Claude O., assignor to Goodman Manufacturing Company, Chicago, Ill. Motor control system. 2,149,485; Mar. 7.
Wood, Herman T. (See Brown, L. W., and Wood.)
Woofter, Herbert A., assignor to Swift Electric Welder Company, Detroit, Mich. Electric welding apparatus. 2,149,654; Mar. 7.
Wornell, Charles N. M., assignor of one-half to T. J. Wornell, Hampton, England. Valve for brass wind instruments. 2,149,714; Mar. 7.
Wornell, Thomas J. (See Wornell, Charles N. M., assignor.)
Worthington Pump and Machinery Corporation. (See Habach, George F., assignor.)
Worthington Pump and Machinery Corporation. (See McBath, Bartley R., Jr., assignor.)
Wright, Homer K. (See White, Anthony B., assignor.)
Wuensch, Charles E., Joplin, Mo. Screening. 2,149,877; Mar. 7.
Wünsch, Guido, and K. Blasig, Berlin-Steglitz, Germany, assignors to Askania-Werke A. G. Method of and apparatus for controlling fluid fuel burners for boilers. 2,150,113; Mar. 7.
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon solutions. 2,149,379; Mar. 7.
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon solutions. 2,149,380; Mar. 7.
Yamaguchi, Fumiko, Los Angeles, Calif. Head covering. 2,149,655; Mar. 7.
Yoder, Ralph E., Brooklyn, N. Y. Plastic impression compound. 2,149,804; Mar. 7.
York Ice Machinery Corporation. (See Neubauer, E. T. P., and Newton, assignors.)
Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Apparatus for converting hydrocarbons. 2,150,090; Mar. 7.
Young, Lewis G., Sherman, Conn. Crane. 2,149,381; Mar. 7.
Ytterberg, Arle, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Method and arrangement for signaling over alternating current networks. 2,149,486; Mar. 7.
Zeiss, Carl. (See Guldbrandsen, Henry, assignor.)
Zellhoefer, Glenn F. (See Copley, Michael J., assignor.)
Zellhoefer, Glenn F., Normal, Ill. Refrigeration. 2,149,947; Mar. 7.
Zellhoefer, Glenn F., Normal, and C. S. Marvel and M. J. Copley, Urbana, Ill.; said Marvel and said Copley assignors to said Zellhoefer. Solvent. 2,149,948; Mar. 7.
Zieke, Karl. (See Frank, A. R., Franck, Zieke, and Hey.)
Zilberman, Myron C., Brooklyn, L. O. Thunberg, Bronz, and L. V. Skinner, New York, N. Y. Half-tone engraving and apparatus for and making the same. 2,149,487; Mar. 7.
Zippel, Richard, Holzhausen, near Leipzig, Germany. Spraying apparatus. 2,149,932; Mar. 7.
Zlickert, Richard, Bohmisch-Budweis, assignor to the firm "Koh-i-noor" tužkárna L. & C. Hardtmuth, Ces. Budejovice, Czechoslovakia. Lead for pencils, color pencils, copying pencils, or the like and manufacturing the same. 2,149,905; Mar. 7.
Zwilgmeyer, Frithjof. (See Dahlen, M. A., and Zwilgmeyer.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Control system. N. H. Willby. Re. 21,026; Mar. 7.
Damper, Vibration. A. J. Bocz. Re. 21,021–2; Mar. 7.
Door reenforcement and lock mounting, Metal. W. R. Schlage. Re. 21,025; Mar. 7.
Mounting for hollow metal doors. Lock. W. R. Schlage. Re. 21,024; Mar. 7.
Radio receiving apparatus. P. D. Lowell and F. W. Dunmore. Re. 21,023; Mar. 7.

LIST OF PLANT INVENTIONS

Rose. W. I. Johnston. 317; Mar. 7.

LIST OF DESIGN INVENTIONS

Airplane. T. Abrams. 113,649; Mar. 7.
Airplane, Medium range load carrying. J. C. Taylor and H. W. Case. 113,689; Mar. 7.
Antenna counterpoise. A. B. Bailey. 113,693; Mar. 7.
Bandage, Eye. F. B. Mastin. 113,676; Mar. 7.
Bench, Piano. W. Zaiser. 113,648; Mar. 7.
Blouse. M. Perell. 113,682; Mar. 7.
Boat hull. A. J. Higgins. 113,668; Mar. 7.
Brace, Bicycle handle bar. D. L. Miller. 113,677; Mar. 7.
Brooch or similar article. J. H. Leff. 113,634; Mar. 7.
Case, Piano. E. Gugler. 113,628; Mar. 7.
Casing for a pump unit. P. Fuller. 113,664; Mar. 7.
Closet. H. Derman. 113,622; Mar. 7.
Coat. S. H. Dick. 113,656; Mar. 7.
Coat. M. S. Handler. 113,666–7; Mar. 7.
Comb. M. Dunner. 113,657; Mar. 7.
Container and stand therefor, Combined perfume. F. N. Lewis. 113,635–6; Mar. 7.
Container, Pocket medicine. D. Sholtz. 113,687; Mar. 7.
Cooler, Beverage. C. Kavalir. 113,672; Mar. 7.
Corset. C. H. Schopbach and M. Laguzzi. 113,684; Mar. 7.
Desk unit or similar article, Combination. L. H. Ashmore. 113,617; Mar. 7.
Dress. M. Michelson. 113,695; Mar. 7.
Dress. D. W. Price. 113,683; Mar. 7.
Dress, Combination. H. Lentini. 113,674; Mar. 7.
Dress ensemble. S. Etkin. 113,662; Mar. 7.
Dress ensemble. I. Lampel. 113,673; Mar. 7.
Dress ensemble. A. Schwartz. 113,686; Mar. 7.
Drier, Manicure. F. Von. 113,643; Mar. 7.
Electric control panelboard unit. W. H. Frank. 113,663; Mar. 7.
Fabric or similar article, Curtain. M. Poley. 113,641; Mar. 7.
Fabric, Textile. F. F. Berlinger. 113,619; Mar. 7.
Fabric, Textile. S. E. Staines. 113,697; Mar. 7.
Field glass and case, Combined. R. Morbee. 113,640; Mar. 7.
Filter, Liquid. R. J. Neely. 113,679; Mar. 7.
Game board. H. S. Jones and R. P. Moore. 113,671; Mar. 7.
Garment, Foundation. C. H. Schopbach and M. Laguzzi. 113,685; Mar. 7.
Guard, Radiator grille. C. M. Van Auken. 113,691; Mar. 7.
Handbag, Lady's. L. Hochman. 113,669; Mar. 7.
Hat. E. Schoen. 113,696; Mar. 7.
Heat exchanger. C. B. Dalzell. 113,654; Mar. 7.
Heater. J. R. Morgan. 113,678; Mar. 7.
Iron, Steam electric. D. P. Jones and H. A. Geauque. 113,670; Mar. 7.
Lace. J. Moosherr. 113,639; Mar. 7.
Lamp. C. L. Ellison. 113,623; Mar. 7.
Lamp. L. J. Gagnon. 113,626–7; Mar. 7.
Lamp and stand for dial telephone, Combined. W. C. Swalley and A. J. Lichtinger. 113,698; Mar. 7.
Lighting fixture or similar article. L. L. Stewart. 113,642; Mar. 7.
Lyre for a piano. E. Gugler. 113,629; Mar. 7.
Pencil or similar article, Mechanical. M. Kahn. 113,633; Mar. 7.
Piano, Grand. E. Gugler. 113,631; Mar. 7.
Piano leg. E. Gugler. 113,630; Mar. 7.
Propeller shaft strut and rudder support, Combined. A. J. Higgins. 113,694; Mar. 7.
Puzzle. D. Babcock. 113,650; Mar. 7.
Ring mounting. F. Milhening. 113,638; Mar. 7.
Ring or similar article. S. A. Wittmayer. 113,692; Mar. 7.
Roller, Cosmetic spreading. P. Tresenberg. 113,690; Mar. 7.
Shoe. B. Weiner. 113,644; Mar. 7.
Shoe sole. W. F. Cairns. 113,620; Mar. 7.
Slipper or similar article. J. Barnett. 113,618; Mar. 7.
Spoon or similar article. G. N. Allen and L. E. Resseger. 113,614; Mar. 7.
Spoon or similar article. G. N. Allen and M. P. Fleming. 113,615–16; Mar. 7.
Sprinkler, Clothes. J. Opp. 113,680; Mar. 7.
Stand, Display. F. G. Mercer. 113,637; Mar. 7.
Stand, Perfume display. A. H. Cohn. 113,621; Mar. 7.
Suit. S. Zimmerman. 113,699–700; Mar. 7.
Tablecloth or similar article. F. O. Ferlauto. 113,624–5; Mar. 7.
Tablecloth or similar article. V. Winston. 113,645–7; Mar. 7.
Teething ring or similar article. J. Davis. 113,655; Mar. 7.
Therapeutic diagnostic device. J. C. Bogle. 113,653; Mar. 7.
Tire. A. Balthazar. 113,651; Mar. 7.
Trailer, Display. W. L. Parsons, Jr. 113,681; Mar. 7.
Tube unit, Fluorescent. M. M. Bilofsky. 113,652; Mar. 7.
Vessel, Cooking. L. G. Howlett. 113,632; Mar. 7.
Wheel body. C. W. Sinclair. 113,688; Mar. 7.
Wheel disk or similar article. G. A. Lyon. 113,675; Mar. 7.
Wheel, Vehicle. C. L. Eksergian and T. A. Davenport. 113,660–1; Mar. 7.
Wheel, Vehicle. C. L. Eksergian and T. A. Davenport. 113,658; Mar. 7.
Wheel, Vehicle. C. L. Eksergian and W. H. Farr. 113,659; Mar. 7.
Wrench, Hand. L. E. Genin. 113,665; Mar. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and manufacture. S. S. Kistler. 2,150,121; Mar. 7.
Absorber for refrigerating systems. A. D. Siedle. 2,149,406; Mar. 7.
Absorption medium. M. J. Copley. 2,149,937; Mar. 7.
Abutment and operating means, Rotary engine. A. G. Halverson. 2,149,767; Mar. 7.
Acetic acid, Photochemical purification of. A. W. Goos and J. S. Owens. 2,149,765; Mar. 7.
Acid: *See*—
Acetic acid.
Acid-amine condensation products. A. G. Hovey and T. S. Hodgins. 2,149,678; Mar. 7.
Acid components from hydrocarbon solutions, Removing. D. L. Yabroff and E. R. White. 2,149,379–80; Mar. 7.
Acidic solutions, Method and apparatus for handling. P. L. Menaul. 2,149,617; Mar. 7.
Address system, Public. A. B. Smith. 2,149,637; Mar. 7.
Advertising and educational device. M. Rivkin. 2,149,363; Mar. 7.
Air, Apparatus for purifying. U. V. d'Annunzio. 2,150,027; Mar. 7.
Air conditioning apparatus. W. L. Fleisher. 2,149,593; Air control device for combustion apparatus. D. J. Mosshart. 2,149,402; Mar. 7.
Air distributor. S. M. Anderson. 2,149,382; Mar. 7.
Air flow control for underfeed stokers. H. C. Carter. 2,149,934; Mar. 7.
Air launder. R. D. Nichols. 2,149,744; Mar. 7.
Air, Saturating transmission. E. Brunatto. 2,149,504; Mar. 7.
Aircraft with rotative wings. J. S. Pecker. 2,150,129; Mar. 7.
Alarm, Burglar. G. Peterse, Sr. 2,149,901; Mar. 7.
Alarm for tires, Low-pressure. F. E. Smith. 2,149,555; Mar. 7.
Album. A. A. Ainsworth. 2,149,488–9; Mar. 7.
Alcohol sulphates and making the same, Purified. H. Beller and J. J. Owen. 2,149,265; Mar. 7.
Aligning device for welding casings. J. R. Gardner. 2,148,394; Mar. 7.
Alloys, Production of beryllium copper. H. Gruber. 2,149,257; Mar. 7.
Amidines, Thermapentically active. K. Miescher and E. Urech. 2,149,457; Mar. 7.
Aminodiphenyls, Separation of. R. L. Jenkins. 2,149,525; Mar. 7.
Ammunition for explosive operated tool. P. E. Littlehale. 2,149,814; Mar. 7.
Amplifier, Discharge tube. K. Rath. 2,149,361; Mar. 7.
Amusement device. P. B. Lloyd. 2,149,815; Mar. 7.
Antenna system. P. S. Carter. 2,149,726; Mar. 7.
Antenna, Vertical. W. Berndt. 2,149,415; Mar. 7.
Antennas, Combined low frequency and turnstile. G. H. Brown. 2,149,333; Mar. 7.
Anthraquinone derivatives. P. Grossmann and M. Bommer. 2,149,433; Mar. 7.
Anthraquinonediphenyldithiazoles, Preparation of. E. E. Beard. 2,150,092; Mar. 7.
Antigen, Hay-fever. G. E. Rockwell. 2,150,131; Mar. 7.
Armature for watt-hour meters, Adjustable damping. S. S. Green. 2,149,288; Mar. 7.
Article and making the same, Composite molded. F. Groff. 2,149,732; Mar. 7.
Articles, Apparatus for forming bonded granular. R. L. Melton, H. P. Kirchner, and R. C. Benner. 2,150,034; Mar. 7.
Articles, Forming laminated shaped. R. W. Camfield. 2,149,507; Mar. 7.
Articles with rubber, Lining hollow. H. M. Dodge. 2,149,991; Mar. 7.
Atomizer, Leakproof. F. W. Lohse. 2,149,611; Mar. 7.
Auto-diagraph for ball games. A. B. White. 2,149,325; Mar. 7.
Bag: *See*—
Tea bag.
Bag and making same. D. Schmidt. 2,149,872; Mar. 7.
Bag handles and bags combined therewith, Manufacture of. W. H. Stark. 2,150,043; Mar. 7.
Bait carrier, Live. E. Gulden. 2,149,996; Mar. 7.
Balancer for vehicle road wheels, Harmonic. M. Olley. 2,149,863; Mar. 7.
Balls, Making playing. J. T. Riddell. 2,149,465; Mar. 7.
Barrel-changing device for automatic firearms. E. Murbach. 2,149,707; Mar. 7.
Battery clamp remover. T. E. Waters. 2,149,564; Mar. 7.
Battery plates, Apparatus for drying. B. G. Lindstrom. 2,149,813; Mar. 7.
Battery plates, Drying. B. G. Lindstrom. 2,149,812; Mar. 7.
Bearing: *See*—
Vehicle side bearing.
Bearing. W. F. Smith. 2,149,983; Mar. 7.
Bearing. A. G. F. Wallgren. 2,149,712; Mar. 7.
Bearing for rotor shafts, Ball. R. Annen. 2,149,492; Mar. 7.
Bearing support, Universal. C. B. Cronan. 2,149,728; Mar. 7.
Belt, Safety. F. J. Wight. 2,149,803; Mar. 7.
Benzine, Ethylated-di-isipropyl. R. R. Dreisbach. 2,149,762; Mar. 7.
Bicycle lock. R. E. Coats. 2,149,761; Mar. 7.
Binding, Loose leaf. V. Catini. 2,149,838; Mar. 7.
Binocular viewing device for stereophotogrammetric instruments. H. Guldbrandsen. 2,149,601; Mar. 7.
Biscuits, Apparatus for producing. W. P. Morton. 2,149,537; Mar. 7.
Biscuits, Producing. W. P. Morton. 2,149,538; Mar. 7.
Bit: *See*—
Well-drilling bit.
Blanks, Printing and punching. A. C. Wood. 2,150,016; Mar. 7.
Blanket fastener. M. Liebmann. 2,149,970–1; Mar. 7.
Blind, Venetian. F. E. Lawson. 2,149,301; Mar. 7.
Blood pressure testing machine. G. A. Snyder. 2,149,690; Mar. 7.
Boat, Portable. W. E. S. Thompson. 2,149,903; Mar. 7.
Bobbin stripper. J. E. Kimbirl. 2,149,778; Mar. 7.
Boiler: *See*—
Marine water tube boiler.
Boiler. O. H. Hartmann and H. Trede. 2,149,438; Mar. 7.
Book hanger. J. H. Thornton. 2,149,801; Mar. 7.
Book page protector. E. E. Lemire. 2,149,922; Mar. 7.
Booster mechanism. G. H. J. Baule. 2,150,019; Mar. 7.
Boring apparatus, Earth. C. H. Hunsaker. 2,149,345; Mar. 7.
Bottle hooding machine. N. W. Lyon. 2,149,399; Mar. 7.
Bottles, Apparatus for capping. E. N. Winslow. 2,149,377; Mar. 7.
Bowling game apparatus, Miniature. J. C. Nielsen. 2,149,786; Mar. 7.
Box: *See*—
Electric outlet box. Match box.
Folding box.
Brake: *See*—
Vehicle brake.
Brake and control therefor. O. Kylin. 2,149,940; Mar. 7.
Brake arrangement. W. H. Baselt. 2,149,496; Mar. 7.
Brake controlling lever mechanism. C. M. Anderson. 2,149,718; Mar. 7.
Brake construction. J. W. White. 2,149,651; Mar. 7.
Brake lever. R. A. Sandberg. 2,150,008; Mar. 7.
Brake mechanism. F. L. Main and C. A. Sawtelle. 2,149,614; Mar. 7.
Brake operator for trailers. H. J. and L. F. Jezek, Jr. 2,149,775; Mar. 7.
Brake shoe. F. T. Birch. 2,149,952; Mar. 7.
Braking device. J. H. Owen. 2,149,624; Mar. 7.
Brassière. A. Rubinstein. 2,149,819; Mar. 7.
Broom, Lawn. G. M. Finkes. 2,149,429; Mar. 7.
Brush, Fountain. F. J. J. Stock. 2,149,711; Mar. 7.
Buckle. R. S. Sanford. 2,149,364; Mar. 7.
Building construction. J. B. McClatchy, J. P. Molienkof, and V. Mercaldo. 2,149,784; Mar. 7.
Building construction. W. B. North. 2,149,818; Mar. 7.
Bun filling device. J. E. Strietelmeier. 2,149,639; Mar. 7.
Burner control, Oil. R. E. Fowler. 2,149,842; Mar. 7.
Burners for boilers, Method of and apparatus for controlling fluid fuel. G. Wünsch and K. Blasig. 2,150,113; Mar. 7.
Button fastening means. S. A. Harrison. 2,150,118; Mar. 7.
Cabinet: *See*—
Refrigerator cabinet.
Cable: *See*—
Electric cable.
Cable support. J. E. Talbott. 2,149,875; Mar. 7.
Cage, Fisherman's live bait. S. E. Whitaker. 2,149,482; Mar. 7.
Calculating machine. H. E. Enders. 2,149,338; Mar. 7.
Calculating machine. F. A. Niemann and J. A. V. Turck. 2,149,817; Mar. 7.
Calendar, Pad-a-month desk. J. P. Wege. 2,149,904; Mar. 7.

Caliper, Telemeter-type internal. A. G. Kregecz. 2,150,070; Mar. 7.
Camera. L. O. E. Roessel. 2,150,106; Mar. 7.
Camera exposure control apparatus. R. P. Newick. 2,149,743; Mar. 7.
Cane stripper. J. D. Chambless. 2,149,935; Mar. 7.
Cans, Apparatus for filling. W. J. Mundy. 2,149,461; Mar. 7.
Canvas-stretcher and picture frame, Combined. J. Tepper. 2,149,985; Mar. 7.
Car coupler yokes, Making. J. B. Tegarty. 2,149,640; Mar. 7.
Carbon black which has been formed on iron-containing contacts, Purifying. H. H. Franck and D. Wilm. 2,149,671; Mar. 7.
Carbon remover. E. Lieber and W. H. Smyers. 2,149,894; Mar. 7.
Carbonator. R. S. Fetterly. 2,149,670; Mar. 7.
Carbureting in internal combustion engines. E. L. Müller. 2,149,460; Mar. 7.
Carburetor for internal combustion engines. I. Schorsch. 2,150,081; Mar. 7.
Carburizer. H. Rodman. 2,149,747; Mar. 7.
Card punching and slotting machine. E. G. Corcoran. 2,149,583; Mar. 7.
Carrier: *See*—
Bait carrier.
Carrier for surveyors, Chaining pin. C. S. Burns. 2,149,758; Mar. 7.
Carrier wave transmitter, Modulated. E. Green. 2,149,432; Mar. 7.
Case: *See*—
Shipping case.
Case and link receiver for aerial machine guns. J. F. Haberlin. 2,149,522; Mar. 7.
Caster. J. S. Cantelo. 2,149,389; Mar. 7.
Cellulose, Alkali. F. C. Peterson and A. T. Maasberg. 2,149,309–10; Mar. 7.
Center joint. R. R. Robertson. 2,149,467; Mar. 7.
Centrifugal pump, Cone type. E. S. Lea. 2,149,921; Mar. 7.
Chain: *See*—
Potato digger chain.
Chain and runner or ski for motor vehicles, Snow. A. V. Söderström. 2,150,135; Mar. 7.
Chain for tractors, Tire. F. G. Hodell. 2,149,342; Mar. 7.
Chair seat, Resilient. M. M. Mayer. 2,149,357; Mar. 7.
Chaser. K. W. Reed and H. A. Maurer. 2,150,037; Mar. 7.
Chemical pulp, Treatment of. F. F. Frick. 2,149,843; Mar. 7.
Cigar perforator. W. E. Ibold and J. R. Fornefeld. 2,149,346; Mar. 7.
Cigarette or cigar holder. G. Hennings. 2,149,523; Mar. 7.
Cigarettes, Making. E. H. McArdle and L. Roon. 2,149,896; Mar. 7.
Circuit: *See*—
Composite selector circuit. Control circuit.
Circuit breaker. G. N. Lemmon. 2,150,102; Mar. 7.
Circuit breaker. F. G. von Hoorn. 2,150,012–3; Mar. 7.
Circuit breaker. G. E. Whitehead. 2,150,089; Mar. 7.
Circuits for reducing the effect of shunt capacity or reactance introduced by circuit elements, Electric. A. D. Blumlein. 2,149,331; Mar. 7.
Clamp: *See*—
Insulator clamp.
Cleaner: *See*—
Electrostatic cleaner. Vacuum cleaner.
Cleaning, Dry. A. E. Hatfield. 2,150,031; Mar. 7.
Clock. J. J., G. J., and A. J. Paris. 2,150,036; Mar. 7.
Closure for collapsible containers. S. K. Skoblin. 2,149,795; Mar. 7.
Clothes hanger. G. L. Hendrix. 2,149,674; Mar. 7.
Clutch: *See*—
Plate clutch.
Clutch control. A. Ahler. 2,149,262; Mar. 7.
Coal distributor for stoker retorts. F. R. Nelson. 2,150,035; Mar. 7.
Coated cellulosic fabric. R. W. Ball. 2,149,329; Mar. 7.
Coating apparatus for strip material. R. K. Nash. 2,149,307; Mar. 7.
Coating compositions. O. H. Greager and G. D. Patterson. 2,149,914–5; Mar. 7.
Coffee maker. L. Burgess. 2,149,270; Mar. 7.
Coffee product and preparing same, Soluble. G. L. Wendt and D. Fronmuller. 2,149,876; Mar. 7.
Coil forming machine. G. M. Prentice. 2,149,942; Mar. 7.
Coiling machine. G. M. Prentice. 2,149,941; Mar. 7.
Coin counting and wrapping machine, Automatic. G. Kohlmann. 2,149,444; Mar. 7.
Collar holder. O. Carlson. 2,150,020; Mar. 7.
Color binding agent, Stabilizing. F. H. von und zu Guttenberg and R. Köhler. 2,150,060; Mar. 7.
Combustion apparatus. D. J. Mosshart. 2,149,539; Mar. 7.
Combustion control. R. A. Foresman and D. J. Mosshart. 2,149,393; Mar. 7.
Composite selector circuit. B. A. Wallace. 2,149,753; Mar. 7.
Composition and process of preserving wood. A. Gordon. 2,149,284; Mar. 7.
Composition containing rhodamine derivative. G. R. Fonda. 2,149,993; Mar. 7.
Composition for application to organic derivatives of cellulose. J. E. Bludworth. 2,149,498; Mar. 7.
Condenser: *See*—
Variable condenser.
Condenserlike objects, Arrangement for measuring the losses in. W. Geyger. 2,149,256; Mar. 7.
Cone, Thread carrying. J. H. Gritman. 2,149,766; Mar. 7.
Connecting rod, Link type. W. Bruse. 2,149,419; Mar. 7.
Connection block terminal. A. R. Kuhn. 2,150,099; Mar. 7.
Connector: *See*—
Ring timber connector. Tackle connector.
Connector. J. M. Nickelsen. 2,149,621–2; Mar. 7.
Control mechanism. G. J. Uhlig. 2,149,371; Mar. 7.
Constructional figure. W. R. Corswirt. 2,149,254; Mar. 7.
Contactor, Mercury. C. Chilowsky. 2,150,053; Mar. 7.
Container: *See*—
Dispensing container. Dust container.
Container. R. L. Bangs. 2,149,412; Mar. 7.
Container closure. C. E. McManus. 2,149,533; Mar. 7.
Container construction. J. S. Burns. 2,149,955; Mar. 7.
Contraction and expansion joint, High pressure cased. H. E. Hofwolt. 2,149,291; Mar. 7.
Control apparatus. T. Whiteford. 2,149,754; Mar. 7.
Control apparatus for the successive release of bombs in aircraft, Remote. R. Defives. 2,150,055; Mar. 7.
Control arrangement for polyphase A. C. transmission and distribution systems, Earth fault. H. Leyburn. 2,149,683; Mar. 7.
Control circuit, Overload. L. R. Kirkwood. 2,149,700; Mar. 7.
Control device. C. W. Johnston. 2,149,681; Mar. 7.
Conveyer apparatus. M. J. Warner. 2,149,563; Mar. 7.
Cooling means for combustion turbines. A. J. Jodelko. 2,150,098; Mar. 7.
Core orientation apparatus. J. M. Pearson. 2,149,715; Mar. 7.
Corer. C. T. Bard. 2,150,046; Mar. 7.
Coupling: *See*—
Pipe coupling. Pull rod coupling.
Coupling for electrical and mechanical purposes. A. F. Richards and H. Bright. 2,149,550; Mar. 7.
Cover: *See*—
Hatch cover.
Covers, Apparatus for making book. W. E. Reavis. 2,150,104; Mar. 7.
Covering for dandy rolls, cylindrical molds, or the like for use in paper making machines. N. W. Webb. 2,149,649; Mar. 7.
Crane. L. G. Young. 2,149,381; Mar. 7.
Cribbing. O. H. Dawson. 2,149,957; Mar. 7.
Culinary implement. R. Clow. 2,149,910; Mar. 7.
Curler, Compound. N. L. Solomon. 2,149,318; Mar. 7.
Curler, Hair. R. T. Plitt. 2,149,627; Mar. 7.
Curler, Hair. N. L. Solomon. 2,149,317; Mar. 7.
Curtain stretcher. J. F. Lizak. 2,150,003; Mar. 7.
Cushion construction. P. Kloppman. 2,149,350; Mar. 7.
Cut-off machine. M. J. Fleming. 2,149,430; Mar. 7.
Cutter and trimmer, Electric. J. A. Orr. 2,149,463; Mar. 7.
Cutting machine. G. A. Ungar. 2,149,822; Mar. 7.
Cutting tool. L. J. Misuraca. 2,149,618; Mar. 7.
Cyanide, Producing. F. R. Kemmer. 2,149,608; Mar. 7.
Cyclic process for the production of nitroparaffins. E. B. Hodge. 2,150,120; Mar. 7.
Cyclic process for the production of nitroparaffins. J. Martin and E. B. Hodge. 2,150,123; Mar. 7.
Cylinder, Drying. P. R. Sandwell. 2,150,132; Mar. 7.
Cylinder with radial bars and safety teeth, Threshing. A. Martinez B. 2,149,704; Mar. 7.
Damper. C. R. Anderson. 2,149,565; Mar. 7.
Decalcomania. F. W. Humpliner. 2,149,916; Mar. 7.
Delivery control mechanism for bins. T. N. Pierson. 2,149,867; Mar. 7.
Demand meter. M. Weisman. 2,149,410; Mar. 7.
Derivatives of ascorbic acid having antiscorbutic action and manufacture of same. K. Warnat. 2,150,140; Mar. 7.
Derivatives of fatty acids and their manufacture, Basic. V. Kartaschoff. 2,149,527; Mar. 7.
Derivatives of pyrazine carboxylic acid and their production. O. Dalmer and E. Walter. 2,149,279; Mar. 7.
Detonator for Christmas crackers and the like. A. M. Mahaffy. 2,149,852; Mar. 7.
Device for cleaning surfaces. L. B. Johnson. 2,149,526; Mar. 7.
Device for providing torsional resistance. A. F. Hickman. 2,149,887; Mar. 7.
Di-(γ-chloro-hydroxy-propyl) arylamines, Manufacture of. H. Lange. 2,150,001; Mar. 7.
Dies, Method of and apparatus for treating. H. Blount. 2,149,330; Mar. 7.
Diesel engine, Crankless. F. J. Fette. 2,149,591; Mar. 7.
Dinitriles, Preparation of aromatic. A. G. Deem and W. A. Lazier. 2,149,280; Mar. 7.
Dinitroethyleneurea, Preparation of. H. A. Aaronson. 2,149,260; Mar. 7.

Disconnecting switch. J. S. Thompson. 2,149,642; Mar. 7.
Dispenser: *See*—
Paper dispenser.
Dispensing and closing device for tablets, pills, and the like. P. Kreiten. 2,149,445; Mar. 7.
Dispensing apparatus. J. F. Cook, Jr., and J. B. Moore. 2,150,025; Mar. 7.
Dispensing container. C. S. Humphrey. 2,149,698; Mar. 7.
Dispersions, Treatment of. J. O. Samuel. 2,149,748; Mar. 7.
Display and retainer device. G. E. Noel. 2,149,978; Mar. 7.
Display device. F. Kroner. 2,149,780; Mar. 7.
Display device, Knock-down. C. L. Gilbert. 2,149,959; Mar. 7.
Display holder. H. H. Foster. 2,149,431; Mar. 7.
Distribution and temperature control in chemical reactions. R. C. Lassiat. 2,149,300; Mar. 7.
Door latching mechanism. M. Greenbaum. 2,149,730; Mar. 7.
Door mounting mechanism. M. G. Bundy. 2,149,575; Mar. 7.
Door release mechanism, Panic. S. S. Roby. 2,149,870; Mar. 7.
Doorknob. H. H. Wiebe. 2,149,375; Mar. 7.
Draft regulator for furnaces. T. A. Marsh. 2,149,740; Mar. 7.
Draft apparatus. R. D. Schnoor. 2,149,633; Mar. 7.
Drier for use on locomotives, Steam. P. Pascale. 2,149,626; Mar. 7.
Driving and sealing means for rotary fluid impellers. J. Pollock. 2,150,078; Mar. 7.
Dust collecting device. G. S. Kelley. 2,149,348; Mar. 7.
Dust container. E. L. Hill. 2,149,676; Mar. 7.
Dye intermediates and preparing them, Azo. M. A. Dahlen and F. Zwilgmeyer. 2,149,335; Mar. 7.
Dyeing of mineral materials. A. Pace, Jr. 2,149,979; Mar. 7.
Dyes, Azo. E. A. Markush, M. S. Mayzner, and J. Miller. 2,149,703; Mar. 7.
Dyestuffs of the anthraquinone series. E. E. Beard and M. A. Perkins. 2,150,093; Mar. 7.
Dyestuffs, Preparation of vat. O. Stallmann. 2,150,109; Mar. 7.
Dyestuffs, Water-insoluble azo. F. Ballauf. 2,149,494; Mar. 7.
Earphone support. H. C. Harrison. 2,149,341; Mar. 7.
Educational device. T. B. Morehouse. 2,149,459; Mar. 7.
Egg testing method and machine. F. L. Rivenburgh. 2,149,686; Mar. 7.
Elastic composition. A. A. McCormack. 2,149,975; Mar. 7.
Electric cable. P. V. Hunter, L. G. Brazier, and H. Hill. 2,149,771; Mar. 7.
Electric cable. P. V. Hunter and H. Hill. 2,149,772; Mar. 7.
Electric iron. A. W. French. 2,150,029; Mar. 7.
Electric lamp, Liquid-cooled. J. W. Ryde. 2,150,007; Mar. 7.
Electric meter. S. S. Green. 2,149,287; Mar. 7.
Electric motor. E. Steinmann. 2,149,559; Mar. 7.
Electric motor, Reversible. E. L. Barrett. 2,149,569; Mar. 7.
Electric outlet box. H. L. Arnest. 2,149,719; Mar. 7.
Electric pump. N. C. Price. 2,149,545; Mar. 7.
Electric switch. I. E. McCabe. 2,149,853; Mar. 7.
Electric resistance. W. A. K. De Schrevel. 2,149,841; Mar. 7.
Electric switch, Float controlled. A. B. Mojonnier. 2,149,619; Mar. 7.
Electrical distribution system. W. H. Frank and J. W. Harper. 2,149,994; Mar. 7.
Electrical structure. W. H. Butler and E. H. Gross. 2,149,805; Mar. 7.
Electrically controlled lock. J. M. Wilhelm. 2,149,695; Mar. 7.
Electrode, Lightly coated manganese steel. W. B. Lair. 2,149,999; Mar. 7.
Electrode, Welding. W. B. Lair. 2,150,000; Mar. 7.
Electromagnetic device. W. H. Bruns. 2,149,418; Mar. 7.
Electron discharge device. H. G. Lubszynski and G. S. P. Freeman. 2,149,849; Mar. 7.
Electron relay apparatus. E. L. Brown. 2,149,387; Mar. 7.
Electrostatic cleaner. J. H. Smith. 2,149,556; Mar. 7.
Elevator. J. M. Hickman. 2,149,938; Mar. 7.
Elevator, Construction. P. Rattigan. 2,149,629; Mar. 7.
Elevator control mechanism. J. D. Lewis and O. A. Krauer. 2,149,452; Mar. 7.
Engine: *See*—
Diesel engine.
Internal combustion engine.
Engine for vehicles, Compression. L. Nigro. 2,149,623; Mar. 7.
Engraving and apparatus for and method of making the same, Half-tone. M. C. Zilberman, L. O. Thunberg, and L. V. Skinner. 2,149,487; Mar. 7.
Explosively actuated press. R. Temple, Jr. 2,149,641; Mar. 7.
Extraction process. S. Tijmstra. 2,149,643; Mar. 7.
Extrusion device. F. P. Kretchmer. 2,149,920; Mar. 7.
Eyeset, Rolling. S. Marcus. 2,149,685; Mar. 7.
Fabric: *See*—
Coated cellulosic fabric.
Wire fabric.
Perforated fabric.
Fabrics permeable to the air, Production of waterproof. F. F. Schwartz. 2,149,750; Mar. 7.
Facsimile system. J. V. L. Hogan and H. G. Miller. 2,149,292; Mar. 7.
Fan. C. H. Bouvy and C. F. Arnold. 2,149,267; Mar. 7.
Fastener: *See*—
Blanket fastener.
Pane fastener.
Lath fastener.
Fastener. H. Box. 2,149,665; Mar. 7.
Fastener applying implement. J. F. Cavanagh. 2,149,839; Mar. 7.
Fastener unit. C. G. Olson. 2,150,126; Mar. 7.
Faucet. F. C. Picut. 2,149,928; Mar. 7.
Feeding and arc striking mechanism for searchlights. H. Walter. 2,150,014; Mar. 7.
Feeding mechanism for rock drills. A. Feucht. 2,149,592; Mar. 7.
Feeding system for airplanes and the like, Liquid. W. R. Kuzelka. 2,149,298; Mar. 7.
Fence for highways, Safety. S. A. Rasmussen. 2,149,548; Mar. 7.
Fibers, Bleaching of bast. P. Siedler, E. Kayser, H. Korte, and W. Waibel. 2,150,134; Mar. 7.
Fibers, Treatment of bundles of artificial. H. von Recklinghausen and P. Saffert. 2,149,708; Mar. 7.
File. H. Schmid. 2,149,553; Mar. 7.
Filter: *See*—
Magnetic filter.
Filter. I. H. Jewell. 2,149,680; Mar. 7.
Filter. S. D. Osborn and O. Dahl. 2,149,745; Mar. 7.
Filtering apparatus. E. C. Damrow. 2,149,956; Mar. 7.
Fingerprinting device. O. T. Bounds. 2,149,573; Mar. 7.
Finishing system for acoustical surfaces. H. L. Wampner. 2,150,139; Mar. 7.
Fire extinguisher. A. Kunz. 2,149,446; Mar. 7.
Fish-cutting machine. P. E. Pearson. 2,150,128; Mar. 7.
Fishing device. J. J. Martin. 2,149,923; Mar. 7.
Fishing reel. W. G. Balz and E. D. Clickner. 2,149,413; Mar. 7.
Fishing reel. J. A. White. 2,150,088; Mar. 7.
Fishing rod handle. C. N. Browne. 2,149,837; Mar. 7.
Fittings, Apparatus for producing branch. J. S. Coe. 2,149,508; Mar. 7.
Fixture, Mold. F. O. Gorman. 2,149,339; Mar. 7.
Flashlight composition, and method of preparation, Spontaneously inflammable. R. E. Vollrath. 2,149,694; Mar. 7.
Flat knitting frame. W. Welker. 2,149,986; Mar. 7.
Flatiron with self-acting safety device, Electric. G. Campana. 2,149,251; Mar. 7.
Flotation agents and process of concentrating ores therewith. A. W. Ralston and W. O. Pool. 2,149,546; Mar. 7.
Flour, Improving the baking strength of. H. Jorgensen. 2,149,682; Mar. 7.
Flow control apparatus for gaseous media. R. A. Foresman. 2,149,302; Mar. 7.
Flow regulating means for oil wells. J. L. Oehler. 2,150,077; Mar. 7.
Fluid, Apparatus and method for expressing. S. Hiller and H. A. Nibecker. 2,149,736; Mar. 7.
Fluid circulation apparatus. U. G. Lee. 2,150,101; Mar. 7.
Fluid dispensing apparatus. E. J. Lennart. 2,149,609; Mar. 7.
Fluid distribution. R. C. Lassiat. 2,149,299; Mar. 7.
Fluid flow, Apparatus for measuring. A. Kolin. 2,149,847; Mar. 7.
Fluid pressure generator. V. E. Clarke. 2,149,667; Mar. 7.
Fluid release device. W. F. Bettis. 2,149,659; Mar. 7.
Fluids, Controlling the flow of. R. Godfrey. 2,149,673; Mar. 7.
Fluids, Heating of. D. J. Bergman. 2,149,831; Mar. 7.
Flux and process of fluxing, Soldering. W. H. Holst. 2,149,963; Mar. 7.
Flux for automatic welding apparatus. A. R. Allard. 2,149,491; Mar. 7.
Flux, Soldering. W. H. Holst. 2,149,962; Mar. 7.
Folding box. H. Pabst. 2,149,625; Mar. 7.
Food extract from yeast, Manufacture of. J. H. Millar. 2,149,306; Mar. 7.
Form, Collapsible. F. L. Johnson. 2,149,604; Mar. 7.
Form for concrete structures. M. Winandy. 2,149,653; Mar. 7.
4-nitro-2-amino-1-hydroxynaphthalene sulphonic acids and making same. F. Straub, H. Schneider, and P. Pieth. 2,149,474; Mar. 7.
Fractionating method. J. H. W. R. van Tonningen. 2,149,943; Mar. 7.
Frame: *See*—
Flat knitting frame.
Hive frame.
Frequency selective network. H. A. Wheeler. 2,150,044; Mar. 7.
Friction element. E. A. Wales. 2,149,324; Mar. 7.
Friction element and making same. A. Whitelaw. 2,149,483; Mar. 7.
Frog, Rail. A. Enstrom. 2,149,426; Mar. 7.

Fruit and vegetable treating machine. M. D. Kennedy and J. G. Johnson. 2,149,443; Mar. 7.
Fuel supply unit for oil burners. H. C. Osborne. 2,149,864; Mar. 7.
Fuels from gaseous olefins, Producing liquid. H. Velde and H. Tramm. 2,149,562; Mar. 7.
Fuel, Refining and stabilization of motor. E. H. Lang and R. C. Osterstrom. 2,149,351; Mar. 7.
Fumigation system. E. P. Collins. 2,149,936; Mar. 7.
Funnels and the like, Supporting means for. C. D. Blanchard. 2,149,722; Mar. 7.
Furnace: *See*—
Heat treating furnace.
Liquid fuel furnace.
Furnace apparatus. J. Mirra. 2,149,706; Mar. 7.
Furnace combustion, Method and apparatus for controlling. H. W. Paret, Jr. 2,149,980; Mar. 7.
Furnace for treating materials at high temperatures. U. Lamm and H. Forssell. 2,149,447; Mar. 7.
Fuse, Mechanical time. E. H. Schenk. 2,149,470; Mar. 7.
Galvanometer. F. M. Kannenstine. 2,149,442; Mar. 7.
Garment hanger. N. L. Poole. 2,149,908; Mar. 7.
Gas and liquid pumping and separating apparatus. D. J. Nelson. 2,150,125; Mar. 7.
Gas testing method and apparatus. M. G. Jacobson. 2,149,441; Mar. 7.
Gear coupling arrangement, Draft. A. Christianson. 2,149,840; Mar. 7.
Gear for steam engines with poppet valve gear, especially for locomotive and marine steam engines, Reversing. H. Lentz. 2,149,353; Mar. 7.
Gear lapping machine. J. M. Christman. 2,149,909; Mar. 7.
Gear pump, Variable capacity. G. W. Wilkin. 2,149,326; Mar. 7.
Gearing, Change-speed. C. Crosthwaite. 2,149,668; Mar. 7.
Generator: *See*—
Fluid pressure generator.
Saw-tooth wave generator.
Gin, Cotton-drier. C. H. Cumpston. 2,149,669; Mar. 7.
Glider, Porch. J. C. Ward, Jr. and P. M. Mueller. 2,149,647; Mar. 7.
Glove. A. Bates. 2,150,018; Mar. 7.
Glow plug. H. Rabezzana. 2,149,868; Mar. 7.
Gluing machine control. R. Minkow. 2,150,124; Mar. 7.
Goggles. C. Fischer. 2,149,514; Mar. 7.
Golf club grip. J. V. East. 2,149,911; Mar. 7.
Governor for fluid motors P. Van Sittert. 2,149,645; Mar. 7.
Grain check attachment for grain binders, Adjustable. F. A. Mettler. 2,149,534; Mar. 7.
Grate construction. H. T. Henry. 2,149,259; Mar. 7.
Grid, Flexible ice tray. W. B. Anderson and J. N. Saler. 2,149,933; Mar. 7.
Grinder, Oscillating. F. D. Van Norman, B. F. Stowell and R. S. Pyne. 2,149,409; Mar. 7.
Grinding machine. O. E. Frunk and H. G. A. Akerlind. 2,149,519; Mar. 7.
Guard for machine tools, Way. E. P. Burrell. 2,149,881; Mar. 7.
Gun, Automatic. H. O. Elane. 2,149,512; Mar. 7.
Hair, Treatment of human. E. Soussa. 2,149,319; Mar. 7.
Hammer mill. W. A. Battey. 2,149,571; Mar. 7.
Handle: *See*—
Fishing rod handle.
Hanger: *See*—
Book hanger.
Garment hanger.
Clothes hanger.
Hat, Collapsible. J. T. Santise. 2,149,468; Mar. 7.
Hatch cover, Ship's. J. Macgregor. 2,149,684; Mar. 7.
Head covering. F. Yamaguchi. 2,149,655; Mar. 7.
Heat exchanger. B. W. Jewell. 2,149,737; Mar. 7.
Heat exchangers, Making. H. S. Holmes. 2,149,696; Mar. 7.
Heat transfer medium. W. Rittler and W. Gündel. 2,149,789; Mar. 7.
Heat treating furnace. E. G. de Coriolis. 2,149,883; Mar. 7.
Heater and defroster, Car. B. E. Strauss and H. Faulterack. 2,150,110; Mar. 7.
Heater for beauty parlor tools. E. Jefferson. 2,150,063; Mar. 7.
Heating and ventilating device. W. A. D. Smith and N. H. Webb. 2,149,689; Mar. 7.
Heel, Detachable. P. G. Lehwald. 2,149,893; Mar. 7.
Hinge. J. Ludwig. 2,149,973; Mar. 7.
Hinge, Ash receiver. R. D. De Boer. 2,149,586; Mar. 7.
Hinge structure. S. H. Caldwell and R. J. Black. 2,149,576; Mar. 7.
Hive frame. W. T. Kelley. 2,150,067; Mar. 7.
Hoisting mechanism. J. F. Joy. 2,149,889; Mar. 7
Holder: *See*—
Cigarette or cigar holder.
Paper holder.
Collar holder.
Tube holder.
Display holder.
Holder for cards and other articles. J. S. Cushman 2,149,509; Mar. 7.
Holder for chips and playing cards. J. Rivers. 2,149,687; Mar. 7.
Holder for nursing bottles. A. E. McElwee. 2,149,615; Mar. 7.
Holder for stitching machines, Wire spool. E. J. Rodda. 2,149,631; Mar. 7.
Hoop and propelling means. S. Heath. 2,140,960; Mar. 7.
Hose valve. H. G. Davis. 2,149,584; Mar. 7.
Hour glass indicator, Reversible. S. G. Pennington. 2,149,404; Mar. 7.
Humidity control for refrigerated spaces. W. H. Cook. 2,149,990; Mar. 7.
Hydrocarbons, Apparatus for converting. M. P. Youker. 2,150,090; Mar. 7.
Hydrocarbons, Increasing yield in the catalytic synthesis of aliphatic. F. Fischer. 2,149,515; Mar. 7.
Hydrocarbons, Production of valuable liquid. M. Pier, W. Simon, and E. Donath. 2,149,900; Mar. 7.
Hydrocarbons, Treatment of. H. V. Atwell. 2,149,493; Mar. 7
Ice, Manufacture of clear. J. Fuss. 2,149,912; Mar. 7.
Ignition system, Electric. L. P. Kongsted. 2,149,397; Mar. 7.
Illumination into mechanical actions, Apparatus for translating variations of. C. Chilowsky. 2,150,050; Mar. 7.
Image elimination receiver. M. G. Crosby. 2,150,115; Mar. 7.
Imidazolines. A. Sonn. 2,149,473; Mar. 7.
Inclinometer. H. A. Mason. 2,149,401; Mar. 7.
Index, Card. B. G. Rand. 2,149,547; Mar. 7.
Indicating and switching apparatus. G. L. Beers. 2,149,829; Mar. 7.
Indicator: *See*—
Hour glass indicator.
Inductive device. P. S. Darnell. 2,149,336; Mar. 7.
Induction system of internal combustion engines of the compression ignition type, Throttle controlled. T. J. Swinney. 2,149,691; Mar. 7.
Injector and aspirator, Anatomical. C. Kidwell. 2,149,777; Mar. 7.
Ink transfer pad. J. A. Dondero. 2,149,511; Mar. 7.
Inkstand. F. M. Ashley. 2,149,988–9; Mar. 7.
Inkwell. L. H. Ashmore and G. Trotman. 2,149,263; Mar. 7.
Inkwell and the like. P. A. Westphal. 2,149,650; Mar. 7.
Insect destroyer. H. Bowlin. 2,149,503; Mar. 7.
Insulator clamp. G. J. Carlson. 2,149,760; Mar. 7.
Insulators, Making vibration. C. Saurer. 2,149,902; Mar. 7.
Intake silencer. B. G. Brown. 2,149,836; Mar. 7.
Interlocking means for a group of electrical contactors. G. W. Packer. 2,149,865; Mar. 7.
Internal combustion engine. J. Flamm. 2,149,516; Mar. 7.
Internal combustion engine. M. Rotter. 2,149,982; Mar. 7.
Internal combustion engine. A. Scheibe. 2,149,793; Mar. 7.
Iron: *See*—
Electric iron.
Iron, Manufacturing pig. M. Paschke and E. Peetz. 2,149,480; Mar. 7.
Ironing machine. G. B. Kell. 2,149,738; Mar. 7.
Joint: *See*—
Center joint.
Universal joint.
Contraction and expansion joint.
Joint and cap, Expansion. R. R. Robertson. 2,149,466; Mar. 7.
Joint construction for concrete roads. S. Klein. 2,149,396; Mar. 7.
Knitting machine. W. H. Lasch. 2,150,100; Mar. 7.
Lacquers, Applying cellulose derivative. C. Bogin. 2,150,096; Mar. 7.
Ladle, Slag. W. C. Kitto. 2,149,891; Mar. 7.
Lamp: *See*—
Electric lamp.
Ultraviolet lamp.
Lamp and incandescent lamp.
Lamp and incandescent lamp, Combined arc. H. J. Brunk. 2,149,505; Mar. 7.
Last. V. Levaggi, Jr. 2,149,398; Mar. 7.
Last, Shoe repair. M. Choma. 2,149,334; Mar. 7.
Latex without coagulation, and product, Thickening. W. H. Holst. 2,149,961; Mar. 7.
Lath fastener. O. G. Kelley. 2,149,528; Mar. 7.
Lauter machine. R. C. Schock. 2,150,009; Mar. 7.
Lead for pencils, color pencils, copying pencils, or the like, and manufacturing the same. R. Zuckert. 2,149,905; Mar. 7.
Lead-zinc Ores, Differential flotation of. A. E. Anderson and N. Hedley. 2,150,114; Mar. 7.
Lens, Trial. K. N. Ogle. 2,149,897; Mar. 7.
Level. J. B. Boyd. 2,150,048; Mar. 7.
Leveler for gravity measuring instruments, Automatic. A. K. Birnbaum. 2,149,953; Mar. 7.
Life preserver. C. V. McGuire. 2,149,616; Mar. 7.
Lifeboat. A. W. Lyda. 2,149,850; Mar. 7.
Light source for use in the photographic recording of sound. O. K. Kolb. 2,149,967; Mar. 7.
Lighter, Cigar. J. Sinko. 2,149,931; Mar. 7.
Lighting fixture. W. N. Shepard and A. M. Howald. 2,149,635; Mar. 7.
Lightning arrester. G. E. Andre. 2,149,827; Mar. 7.
Lime slaking process. H. Brooks and R. A. Davis. 2,149,269; Mar. 7.
Line-casting machine. A. C. McGrath. 2,149,305; Mar. 7.
Line holding device. T. Frank, Sr. 2,149,518; Mar. 7.

Line leveling device, Portable. H. L. Prout. 2,149,360; Mar. 7.
Liner material, Forming. C. E. McManus. 2,149,532; Mar. 7.
Liquid distributing apparatus. C. F. Blood. 2,149,660; Mar. 7.
Liquid fuel furnace. S. H. Hook. 2,149,770; Mar. 7.
Liquid measuring device. L. N. Markwood. 2,149,303; Mar. 7.
Loader, Automatic. R. G. Smith. 2,149,710; Mar. 7.
Lock: *See*—
Bicycle lock. Pin tumbler lock.
Electrically controlled lock.
Loom. J. C. Brooks. 2,149,724; Mar. 7.
Loom. S. J. Geddings. 2,150,059; Mar. 7.
Looms, Weft inserting mechanism for. W. Felton. 2,149,428; Mar. 7.
Lubricant. J. G. Butz. 2,149,271; Mar. 7.
Lubricant, Treating. A. S. Orr. 2,149,788; Mar. 7.
Lubricating composition. C. F. Prutton. 2,150,079; Mar. 7.
Lyophilic biologically active substances. P. Masucci. 2,149,304; Mar. 7.
Machine control, Dynamo-electric. G. G. Landis and N. J. Hoenie. 2,150,071; Mar. 7.
Machine for creasing curtains and the like. A. C. Probst. 2, 149,405; Mar. 7.
Machine for grinding and shaping. G. Heitler. 2,149,258; Mar. 7.
Machine for inserting supplements into folded signatures. E. Oppliger. 2,149,462; Mar. 7.
Machine for pressing soles on the bottoms of shoes. S. J. Finn. 2,149,391; Mar. 7.
Machine for sharpening lawn mowers. W. F. Ingleman. 2,149,774; Mar. 7.
Machine for the production of box parts. J. Schmiedel. 2,149,554; Mar. 7.
Machine set. F. Neugebauer. 2,149,785; Mar. 7.
Machine tool. M. Saupe. 2,149,791; Mar. 7.
Magnetic filter. J. R. Frei. 2,149,764; Mar. 7.
Magnetizable fluid. R. Lucas. 2,149,782; Mar. 7.
Magnetometers, Method and apparatus for calibrating. J. W. Pearson. 2,149,717; Mar. 7.
Mapping machine. J. E. Jackson. 2,149,440; Mar. 7.
Marine water tube boiler. H. Trede. 2,149,477; Mar. 7.
Match box. L. L. Hudson. 2,149,679; Mar. 7.
Material handling apparatus. W. F. Hall. 2,149,289; Mar. 7.
Material, Treating and packing powdered. C. Roesch. 2,149,790; Mar. 7.
Material-treating machine. S. H. Pellar. 2,149,927; Mar. 7.
Materials, Method and mechanism for separating intermixed divided. R. Peale. 2,150,103; Mar. 7.
Materials, Process and apparatus for dewatering. H. B. Cleveland. 2,149,252; Mar. 7.
Measuring and control method and apparatus. H. F. Parker and J. G. Aceves. 2,150,006; Mar. 7.
Measuring apparatus. D. L. Arenberg and P. M. Roope. 2,149,756; Mar. 7.
Measuring device. I. F. Sprunger. 2,150,082; Mar. 7.
Measuring instrument. C. Stansbury and A. Simon. 2,149,558; Mar. 7.
Measuring system. M. Fox. 2,149,958; Mar. 7.
Meat-slitting machine. J. P. Spang. 2,149,407; Mar. 7.
Meat-slitting machine. J. P. Spang. 2,149,638; Mar. 7.
Mechanical movement. G. E. Taylor and F. A. Smith. 2,149,321; Mar. 7.
Memorandum device. R. A. Stevenson. 2,149,408; Mar. 7.
Metal, Methods and compositions for spraying. F. O. Albertson and G. A. Olsen. 2,149,825–6; Mar. 7.
Metal surfaces to inhibit corrosion, Treating. H. A. Cooper. 2,149,253; Mar. 7.
Metals, Welding. W. Ahlert. 2,150,045; Mar. 7.
Metallic material, Producing. H. W. Gillett and R. W. Dayton. 2,149,596; Mar. 7.
Meter: *See*—
Demand meter. Electric meter.
Meter with uniform damping adjustments, Watt-hour. S. S. Green. 2,149,885; Mar. 7.
Mill: *See*—
Hammer mill. Pulverizer mill.
Mineral wool, Apparatus and method for making. W. R. Seigle and B. Townshend. 2,150,040; Mar. 7.
Minerals, Bleaching. A. H. Bump. 2,149,506; Mar. 7.
Minnow, Fly-rod. R. M. Potts. 2,149,464; Mar. 7.
Mirror, Head. C. Whitticar. 2,149,652; Mar. 7.
Mirror, Illuminated vehicle. C. Girl, W. E. Dunston, and S. H. Caldwell. 2,149,597; Mar. 7.
Mirror, Illuminated vehicle. C. Girl and W. E. Dunston. 2,149,598; Mar. 7.
Molasses and resulting product, Treating. G. H. Lubarsky. 2,149,354; Mar. 7.
Molding apparatus, Automatic. G. C. Gunderson. 2,150,097; Mar. 7.
Motor: *See*—
Electric motor.
Motor control system. L. A. Griffith. 2,150,117; Mar. 7.
Motor control system. W. W. Sloane. 2,149,472; Mar. 7.
Motor control system. C. O. Wood. 2,149,485; Mar. 7.
Mounting: *See*—
Sliding door mounting. Window frame mounting.
Mounting for seat structures. L. S. Whedon and A. A. Grinnell. 2,149,945; Mar. 7.
Mower cutter bar unit. W. A. Johnson. 2,149,347; Mar. 7.
Mower, Lawn. C. O. Todd. 2,150,085; Mar. 7.
Muff, Ear. G. G. Bean. 2,149,383; Mar. 7.
Naphthalene vapor mixtures for catalytic oxidation, Preparation of. R. Riegler. 2,149,362; Mar. 7.
Necktie. H. L. Frezel. 2,149,884; Mar. 7.
Nickel and nickel alloys and products resulting therefrom, Treatment of. C. G. Bieber. 2,150,094; Mar. 7.
Nickel-copper alloys and products resulting therefrom, Treating. A. E. Kayes. 2,150,095; Mar. 7.
Nitrogen values to superphosphate, Adding. W. H. Kniskern and L. V. Rohner. 2,149,966; Mar. 7.
Noise suppresser system. P. F. G. Holst and L. R. Kirkwood. 2,149,697; Mar. 7.
Nozzle for spraying devices. J. C. Plastaras. 2,149,930; Mar. 7.
Nut, Lock. C. G. Olson. 2,149,359; Mar. 7.
Nut making machine. W. J. Carney. 2,149,578; Mar. 7.
Object of irregular surface contour and method, Decoratively covered. G. W. Howlett. 2,149,293; Mar. 7.
Oil, Cracking asphaltic. T. C. Heisig. 2,150,119; Mar. 7.
Oil for motor fuel, Refining benzol light. A. L. Tannehill. 2,150,084; Mar. 7.
Oil from refrigerating systems, Removal of. B. D. Miller. 2,149,358; Mar. 7.
Oil from still residues, Distillate. W. H. Carmody. 2,149,577; Mar. 7.
Oil, Lubricating. L. J. McKone and W. E. Lyons. 2,149,856; Mar. 7.
Oil, Process and apparatus for cracking. C. E. Beatie. 2,149,828; Mar. 7.
Oil treating process. M. H. Tuttle. 2,149,322; Mar. 7.
Oil wiping machine. A. Hormel. 2,149,964; Mar. 7.
Oils and gases, Conversion of hydrocarbon. L. G. Story. 2,149,800; Mar. 7.
Oils, Conversion of hydrocarbon. J. C. Morrell. 2,149,860; Mar. 7.
Oils, Producing high saturation. F. P. Vickery. 2,149,752; Mar. 7.
Oils, Solvent extraction of waxy. A. B. Brown. 2,149,574; Mar. 7.
Oils, Treating mineral. W. B. McCluer and M. R. Fenske. 2,149,531; Mar. 7.
Oils, Treatment of hydrocarbon. J. W. McCaffrey. 2,149,854; Mar. 7.
Oiliness agent in lubricating oils. L. A. Mikeska and R. Rosen. 2,149,857; Mar. 7.
Opener for planting bulbs and the like, Soil. J. M. Boordsen. 2,149,880; Mar. 7.
Organic compounds, Preparation of. N. D. Scott and J. F. Walker. 2,150,039; Mar. 7.
Orientation apparatus. C. H. Beattie, Jr. 2,149,716; Mar. 7.
Oscillation generation. C. W. Hansell. 2,149,340; Mar. 7.
Oscillation generation. N. E. Lindenblad. 2,149,450; Mar. 7.
Oscillation generator, Thermionic. D. A. Bell. 2,149,721; Mar. 7.
Oven, Baker's. C. T. Hatch. 2,149,439; Mar. 7.
Package, Food. R. B. Frazier. 2,150,058; Mar. 7.
Packaging. E. N. Winslow. 2,149,378; Mar. 7.
Packaging machine. J. Mazer. 2,149,400; Mar. 7.
Packing for the shafts of rotary machines, turbines, and the like. G. Huhn. 2,149,524; Mar. 7.
Packing, Hydraulic piston. W. F. Huck. 2,149,294; Mar. 7.
Pad: *See*—
Ink transfer pad. Sanding drum pad.
Pad for garments, Sleeve lifting. J. J. Calleo. 2,149,806; Mar. 7.
Pad receptacle. D. Madsen. 2,149,612; Mar. 7.
Paint, Manufacture of. E. C. De Stubner. 2,149,282; Mar. 7.
Pan for condensing milk products, Vacuum. H. W. Brock. 2,149,954; Mar. 7.
Pane fastener. A. Bendele. 2,149,385; Mar. 7.
Panel, Making a flanged. M. Clements. 2,149,882; Mar. 7.
Panels, Forming inner trim. A. H. Haberstump. 2,150,030; Mar. 7.
Paneling, Removable. E. J. W. Ragsdale and W. G. Tilsher. 2,150,130; Mar. 7.
Paper dispenser. B. E. Colburn. 2,149,276; Mar. 7.
Paper holder. J. K. Smith. 2,149,796; Mar. 7.
Paper, Method and apparatus for tearing corrugated. H. Ringel. 2,149,869; Mar. 7.
Parachute. W. Müller. 2,149,540; Mar. 7.
Pen desk set. D. Kahn. 2,150,065; Mar. 7.
Pen, Fountain. J. A. Snodgrass. 2,149,557; Mar. 7.
Pencil, Magazine. H. Maucher. 2,149,705; Mar. 7.
Perforated fabric. C. D. Gilpin. 2,149,913; Mar. 7.
Perforating device. D. A. Brennan. 2,149,268; Mar. 7.
Phenol-olefin reaction products useful as gasoline gum inhibitors, Manufacture of. T. L. Cantrell. 2,149,759; Mar. 7.
Photoelectric exposure meter. A. Bernhard and G. Beyrich. 2,150,047; Mar. 7.
Photographic plate and frame, Composite. C. E. Slaughter. 2,149,636; Mar. 7.
Photometer. J. M. Bing. 2,149,250; Mar. 7.

Photoresponsive apparatus. C. Chilowsky. 2,150,051; Mar. 7.
Photoresponsive apparatus. C. Chilowsky. 2,150,052; Mar. 7.
Photosensitive measuring instrument. A. D. Henderson. 2,149,735; Mar. 7.
Picker for textile machinery. H. M. Bacon. 2,149,568; Mar. 7.
Pictorial representation. F. Kroner. 2,149,779; Mar. 7.
Picture transmission apparatus, Portable. H. Carlson. 2,149,277; Mar. 7.
Pin tumbler lock. J. E. Hagendorn and J. Vervueren. 2,149,733; Mar. 7.
Pipe: *See*—
Smoking pipe.
Pipe coupling. M. L. Shultz. 2,150,042; Mar. 7.
Pipe from wells, Removing. C. C. Brown. 2,149,417; Mar. 7.
Pipe, Stacking. A. J. Duael. 2,149,589; Mar. 7.
Piston. A. Corthals. 2,149,423; Mar. 7.
Piston. A. L. Nelson. 2,149,862; Mar. 7.
Piston expander. C. F. Johnston. 2,150,062; Mar. 7.
Pistons, Treating. H. M. Olson. 2,149,787; Mar. 7.
Plastic impression compound. R. E. Yoder. 2,149,804; Mar. 7.
Plate clutch. G. E. Stanley. 2,150,083; Mar. 7.
Plating solutions, Apparatus and process for the study of. R. O. Hull. 2,149,344; Mar. 7.
Plug: *See*—
Glow plug. Wall plug.
Safety plug.
Plug with enlarged cooling chamber, Spark. A. E. Anderson. 2,149,261; Mar. 7.
Polyamides. W. H. Carothers. 2,149,273; Mar. 7.
Polyamides. G. D. Graves. 2,149,286; Mar. 7.
Potato digger chain. A. T. Knoerzer. 2,149,776; Mar. 7.
Pots, Making clay. C. E. Fulton. 2,149,595; Mar. 7.
Power controller for vehicle brakes. N. A. Christensen. 2,150,022; Mar. 7.
Power transmission. E. Fischbach. 2,149,513; Mar. 7.
Power transmission device. H. Shapiro and I. Joffe. 2,149,873; Mar. 7.
Power transmission mechanism, Variable speed. S. H. Teece. 2,149,560; Mar. 7.
Power transmission system embodying hydraulic couplings. H. Sinclair. 2,149,369; Mar. 7.
Press: *See*—
Explosively actuated press.
Tablet and suppository press.
Press powder, Making a. A. R. Frank, H. H. Franck, K. Zieke, and E. Hey. 2,149,672; Mar. 7.
Pressure regulating device. R. R. Donaldson, Jr. 2,149,390; Mar. 7.
Printing. A. R. Johnson. 2,149,846; Mar. 7.
Printing and recording mechanism for weighing apparatus. C. M. Sykes and A. Binns. 2,149,475; Mar. 7.
Printing device, Automatic show card. L. A. Stinson. 2,149,984; Mar. 7.
Printing mechanism. J. M. Triner. 2,149,478; Mar. 7.
Processing apparatus. A. R. Thompson. 2,149,561; Mar. 7.
Projecting machine. A. D. Fitzen. 2,149,283; Mar. 7.
Projectile. E. S. Savage. 2,149,749; Mar. 7.
Propeller. E. C. Baker. 2,149,951; Mar. 7.
Propeller, Controllable pitch. F. W. Caldwell. 2,149,388; Mar. 7.
Protector: *See*—
Book page protector.
Publicity, Apparatus for. A. Robert. 2,149,551; Mar. 7.
Pull rod coupling, Safety. L. J. McKinney and C. W. Jensen. 2,149,855; Mar. 7.
Pulp molding. H. V. Mitchell. 2,149,878; Mar. 7.
Pulp molding. H. V. Mitchell. 2,149,879; Mar. 7.
Pulps, Converting nonaqueous. E. C. De Stubner. 2,149,281; Mar. 7.
Pulverizer mill. H. R. Collins. 2,149,579–82; Mar. 7.
Pump: *See*—
Centrifugal pump. Gear pump.
Electric pump. Rotary pump.
Pump. A. G. Horvath. 2,149,602; Mar. 7.
Pump. E. J. Lattner. 2,149,969; Mar. 7.
Pump impeller and method of assembling. G. F. Habach. 2,149,435; Mar. 7.
Pumping device in particular for volatile liquids. P. A. Guinard. 2,149,600; Mar. 7.
Pumping unit. B. R. McBath, Jr. 2,149,454; Mar. 7.
Pyrotechnic composition. G. J. Schladt. 2,149,314; Mar. 7.
Radio transmitter, Emergency automatic. D. E. Ellis. 2,149,808; Mar. 7.
Radio transmitters, Keying. C. W. Hansell and H. E. Goldstine. 2,149,437; Mar. 7.
Radio tuner. E. L. Barrett. 2,149,570; Mar. 7.
Raft and log rafting mechanism, Log. H. F. Berg. 2,149,497; Mar. 7.
Rails, Cushioning and preventing creep of. O. V. Greene. 2,149,599; Mar. 7.
Rails, Supporting the meeting ends of railroad. W. H. Sharp. 2,150,041; Mar. 7.
Ratio transmission, Variable. O. E. Szekely. 2,149,320; Mar. 7.
Rat trap. J. Potts. 2,149,311; Mar. 7.
Razor. E. Gruessner. 2,149,995; Mar. 7.
Razor adjustment device, Safety. H. W. Clapp. 2,149,421; Mar. 7.
Razor, Safety. S. Ferich. 2,150,056; Mar. 7.
Receptacle: *See*—
Pad receptacle.
Record. E. K. Bottle. 2,149,501; Mar. 7.
Record assembly, Continuous interleaved. J. Loweth. 2,149,530; Mar. 7.
Record assembly, Manifolding. E. K. Bottle. 2,149,500; Mar. 7.
Record receiving device. E. K. Bottle. 2,149,499; Mar. 7.
Record strip and registering and aligning the same, Superimposed. J. Q. Sherman. 2,149,316; Mar. 7.
Record supplies, Continuous interleaved. E. K. Bottle. 2,149,502; Mar. 7.
Reel: *See*—
Fishing reel.
Reflector for display cases. C. F. Hoffman. 2,149,768–9; Mar. 7.
Refrigerating apparatus. C. A. Stickel. 2,149,799; Mar. 7.
Refrigeration. E. T. P. Neubauer and A. B. Newton. 2,150,076; Mar. 7.
Refrigeration. G. F. Zellhoefer. 2,149,947; Mar. 7.
Refrigerator. R. John and E. R. Boots. 2,150,064; Mar. 7.
Refrigerator. D. W. Sutherland. 2,149,821; Mar. 7.
Refrigerator cabinet. W. D. Collins. 2,149,807; Mar. 7.
Regenerator. F. H. Loftus. 2,149,610; Mar. 7.
Regulating device for internal combustion engines, supplied by fuel injection. M. Mennesson. 2,150,075; Mar. 7.
Regulating system for battery operated motor-generator sets, Automatic. S. S. Wolff. 2,150,112; Mar. 7.
Reinforcing for treads, Marginal. I. W. Robertson. 2,150,105; Mar. 7.
Resin manufacture. W. H. Carmody. 2,149,275; Mar. 7.
Resins and making same, Synthetic. A. Gams and K. Frey. 2,149,520; Mar. 7.
Resins, Alpha-ethyl beta-propyl acrolein. L. C. Swallen. 2,150,137; Mar. 7.
Resistance element. K. M. Lederer and A. Dempster. 2,149,448; Mar. 7.
Ring timber connector. J. E. Myer. 2,150,141; Mar. 7.
Roll for lithographic presses, Dampening. C. W. Jones. 2,149,606; Mar. 7.
Roll of paper for high speed pasters. D. G. Bernard. 2,149,832; Mar. 7.
Roll of paper for high speed pasters, Preparing a. D. G. Bernard. 2,149,833; Mar. 7.
Roller, Rubber tired. F. K. Kilian. 2,149,349; Mar. 7.
Rope making machine. P. J. Roche. 2,149,312; Mar. 7.
Rosin, Refining. B. M. Vanderbilt. 2,150,138; Mar. 7.
Rotary pump. R. Deming. 2,149,337; Mar. 7.
Rotenone by certain esters, Selective extraction of. L. B. Kilgore. 2,149,917; Mar. 7.
Rubber derivative composition. E. W. Moffett. 2,149,458; Mar. 7.
Rubber derivatives, Cyclic halogen containing. H. A. Winkelmann and E. W. Moffett. 2,149,484; Mar. 7.
Rubber, Obtainment of artificial. E. Kleiber. 2,150,068; Mar. 7.
Rubber product, Chlorinated. J. G. Moore and L. T. Dod. 2,149,926; Mar. 7.
Rug and making the same. T. H. Clack. 2,150,023; Mar. 7.
Rug making. T. H. Clack. 2,150,024; Mar. 7.
Rugs, and frame therefor, Making. T. H. Clack. 2,149,274; Mar. 7.
Safety device for a liquid fuel burner. W. M. Simpson. 2,149,820; Mar. 7.
Safety device for ladders. H. Leiser. 2,149,781; Mar. 7.
Safety plug. G. W. Huntley. 2,149,773; Mar. 7.
Salinity indicator system. R. L. Witham. 2,150,015; Mar. 7.
Sanding drum pad. F. S. Mitchell. 2,149,816; Mar. 7.
Saw-tooth wave generator. H. Shore and J. N. Whitaker. 2,149,471; Mar. 7.
Scale. J. M. Triner. 2,149,479; Mar. 7.
Scale, Weighing. S. N. Hurt. 2,149,888; Mar. 7.
Scanning device. N. Levin. 2,149,449; Mar. 7.
Scooter, Sliding. O. H. Walgren. 2,150,087; Mar. 7.
Scraper for oil well tubing. E. A. Kliewer. 2,149,810; Mar. 7.
Scraper for oil wells, Tubing. C. A. Wettermark. 2,149,82[illegible]; Mar. 7.
Screen or reflector and making and using the same, Light-transforming. G. R. Fonda. 2,149,992; Mar. 7.
Screening. C. E. Wuensch. 2,149,877; Mar. 7.
Screw and nut device. E. Lampel. 2,149,848; Mar. 7.
Scrubber, Rug. H. K. Fatout. 2,149,590; Mar. 7.
Seal for refrigerating apparatus. A. A. McCormack. 2,149,974; Mar. 7.
Seaming mechanism. J. Peyser and W. Diczel. 2,149,543; Mar. 7.
Seams, Forming. M. P. Link. 2,150,002; Mar. 7.
Seat: *See*—
Chair seat. Vehicle seat.
Selective system. A. A. Lundstrom. 2,149,355; Mar. 7.
Separator and matrix holder, Dental. F. B. McNinch. 2,150,005; Mar. 7.
Sewage, Method and apparatus for cleaning. S. L. Tolman. 2,149,751; Mar. 7.

Sewing machine. F. W. Merrick. 2,149,456; Mar. 7.
Shade, Automatic. E. Van Bosch and R. H. Hoffman. 2,149,481; Mar. 7.
Shaping machine. E. Krenzler. 2,149,919; Mar. 7.
Sharpener for cloth cutting machines. M. Greenbaum. 2,149,731; Mar. 7.
Shaving implement. J. Muros. 2,149,403; Mar. 7.
Sheet securing means. J. Komorous. 2,149,918; Mar. 7.
Shelf, Refrigerator. W. I. Hamby. 2,149,603; Mar. 7.
Shingle element. C. R. MacDonald. 2,150,004; Mar. 7.
Shipping case, Sealed. W. A. Becker. 2,149,720; Mar. 7.
Shock absorber. S. K. Wellman. 2,149,374; Mar. 7.
Shoe. S. Schlesinger. 2,149,552; Mar. 7.
Shoe, Arch supporting. L. W. Brown and H. T. Wood. 2,149,664; Mar. 7.
Shoe sole. A. Fisch. 2,150,057; Mar. 7.
Shoes, Making. F. Maielland. 2,149,701; Mar. 7.
Shovel, Adjustable perforated print. H. Richter. 2,149,630; Mar. 7.
Sifter. L. E. Simpson. 2,149,368; Mar. 7.
Sighting device for headlight testing apparatus. C. W. MacMillan. 2,149,302; Mar. 7.
Sign plate and making same. A. U. Magnan. 2,149,613; Mar. 7.
Signal mechanism. C. E. Beach. 2,149,572; Mar. 7.
Signaling device. W. H. Scott. 2,149,794; Mar. 7.
Signaling over alternating current networks, Method and arrangement for. A. Ytterberg. 2,149,486; Mar. 7.
Signaling system. F. A. Hubbard. 2,149,343; Mar. 7.
Sirup product and producing the same, Dried corn. R. S. Fleming, F. D. Parker and W. G. Hawley. 2,149,517; Mar. 7.
Ski climber. C. R. Dawson. 2,149,585; Mar. 7.
Skyrocket. L. Holcomb. 2,149,845; Mar. 7.
Slag, Treatment of. C. W. Schott. 2,149,688; Mar. 7.
Sleeve, Berry picking. J. J. Koleno. 2,150,069; Mar. 7.
Slicer. F. B. Pedersen. 2,149, 981; Mar. 7.
Slide and guide support for seat structure. L. S. Whedon, A. A. Grinnell, and R. E. Rousseau. 2,149,946; Mar. 7.
Sliding door mounting, Showcase. A. Vanderveld. 2,149,644; Mar. 7.
Smoke conditioner for tobacco pipes. G. W. Webb. 2,149,648; Mar. 7.
Smoking pipe. W. B. Bush. 2,150,049; Mar. 7.
Socket, Adjustable lamp. L. W. Reis. 2,149,549; Mar. 7.
Solvent. G. F. Zellhoefer, C. S. Marvel, and M. J. Copley. 2,149,948; Mar. 7.
Solvent and process of treating mineral oils. M. H. Tuttle. 2,149,323; Mar. 7.
Space discharge type of apparatus. C. B. Aiken. 2,149,328; Mar. 7.
Speedway, Junior. L. M. Weeks. 2,149,823; Mar. 7.
Spraying apparatus. R. Zippel. 2,149,932; Mar. 7.
Spraying device. T. J. Beregh. 2,149,266; Mar. 7.
Spraying device. J. C. Plastaras. 2,149,929; Mar. 7.
Spring. W. E. Dillehunt. 2,149,587; Mar. 7.
Spring attaching means. J. T. Pfeiffer. 2,149,746; Mar. 7.
Springing. H. Maruhn. 2,149,895; Mar. 7.
Sprinkler, Timed. A. W. Pfeffer. 2,149,899; Mar. 7.
Sput, Barrel. L. M. Bell. 2,149,906; Mar. 7.
Stapling machine. G. C. Passek. 2,150,127; Mar. 7.
Starch and using the same, Laundry. R. E. Hall. 2,149,734; Mar. 7.
Starches, Extraction of root. F. H. Thurber. 2,149,802; Mar. 7.
Starter for internal combustion engines. W. C. Criley. 2,150,026; Mar. 7.
Stationery strip, Multiform. A. H. Phillips and W. Allan, Jr. 2,149,544; Mar. 7.
Steaming device. A. B. Jones. 2,149,605; Mar. 7.
Steel section. W. S. Brink. 2,149,757; Mar. 7.
Steering mechanism, Power. R. Tinker. 2,150,011; Mar. 7.
Storage apparatus, Gas and/or liquid. J. H. Wiggins. 2,149,376; Mar. 7.
Stove. G. L. Bridge. 2,149,835; Mar. 7.
Stove. J. E. Chambers. 2,149,420; Mar. 7.
Strap and buckle fastening. F. Brighten. 2,149,663; Mar. 7.
Strip folder. A. A. Ackerman. 2,149,755; Mar. 7.
Strip sealer for wrapping machines. A. Van Veen. 2,149,944; Mar. 7.
Structural assembly and unit and method of making. W. S. Miles. 2,149,741; Mar. 7.
Subsurface exploration. L. Y. Faust. 2,149,427; Mar. 7.
Sulphate, Preparing anhydrous ferric. W. S. Wilson and J. F. White. 2,149,327; Mar. 7.
Sulphonates, Mineral oil. R. L. Brandt. 2,149,661–2; Mar. 7.
Sulphur, Melting and purifying. G. G. Vincent and A. Cook. 2,149,373; Mar. 7.
Support: *See*—
Cable support.
Bearing support.
Earphone support.
Support and reel structure for table tennis nets. J. Hillson. 2,150,033; Mar. 7.
Suspension for vehicles. H. A. Knox. 2,149,297; Mar. 7.
Switch: *See*—
Disconnecting switch.
Electric switch.
Three-way switch.
Switch for used in telephone systems, automatic. R. N. Saxby. 2,149,632; Mar. 7.
Switch construction. W. O. Schultz and A. G. Steinmayer. 2,149,365; Mar. 7.
Switchboard, Intercommunicating and broadcasting. A. S. Benjamin. 2,149,386; Mar. 7.
Switching system, Time controlled. R. De Vivo. 2,149,424; Mar. 7.
Tab, Weighted sample. S. E. Bender. 2,149,830; Mar. 7.
Tablet and suppository press. J. Langerman. 2,149,739; Mar. 7.
Tackle connector. H. E. McLure. 2,150,074; Mar. 7.
Tag, Tamperproof ear. D. W. Ashton. 2,149,411; Mar. 7.
Take-up mechanism. R. E. Briggs. 2,149,723; Mar. 7.
Tank. W. W. Sayers and F. E. Mlick. 2,149,313; Mar. 7.
Tea bag. G. R. Webber. 2,149,713; Mar. 7.
Telephone system, Automatic. J. H. Voss. 2,149,646; Mar. 7.
Telephone transmitter. H. C. Pye. 2,149,628; Mar. 7.
Television transmitting apparatus. J. D. McGee and G. S. P. Freeman. 2,149,455; Mar. 7.
Television transmitting tube. G. A. Morton. 2,149,977; Mar. 7.
Temperature control. G. M. Peltz. 2,149,542; Mar. 7.
Temperature control. O. Scharpf. 2,149,792; Mar. 7.
Temperature control, Automatic. J. L. Finch. 2,149,729; Mar. 7.
Terrace channel checking device. J. T. McAlister. 2,149,783; Mar. 7.
Tester, Headlight intensity. G. M. Graham. 2,149,285; Mar. 7.
Textile assistants. H. Rein. 2,149,709; Mar. 7.
Textile machinery, Hold-up for. H. M. Bacon. 2,149,567; Mar. 7.
Textile materials, Treatment of. R. W. Moncrieff and P. H. Miller. 2,149,536; Mar. 7.
Thermionic tube. H. H. Armstrong and A. B. Menefee. 2,149,656–8; Mar. 7.
Thermostatic contact, Fire alarm. H. G. Hunt. 2,149,997; Mar. 7.
Thermostatic device. E. Klahn. 2,149,892; Mar. 7.
Thread and making same, Rubber. M. Draemann. 2,149,425; Mar. 7.
Thread clipping device. W. N. Hadley. 2,149,886; Mar. 7.
Three-way switch. C. F. James and J. H. and S. D. Buckley. 2,149,699; Mar. 7.
Tile, Roofing. F. Georgi. 2,149,521; Mar. 7.
Timer checking device. M. O. Museus. 2,149,620; Mar. 7.
Timing and release mechanism for mechanical time fuses. E. H. Schenk. 2,149,469; Mar. 7.
Tire contracting tool. E. A. Glynn. 2,149,395; Mar. 7.
Loom. P. F. Tirrell. 2,149,692–3; Mar. 7.
Titanium carbide and making same, Crystalline granular. C. J. Kinzie and D. S. Hake. 2,149,939; Mar. 7.
Titanium liquors, Treatment of. C. E. Smith. 2,149,370; Mar. 7.
Toaster. W. M. Anderson. 2,149,566; Mar. 7.
Toaster and controlling the same, Automatic. W. L. Lodge. 2,149,972; Mar. 7.
Toaster control. M. Ireland. 2,149,965; Mar. 7.
Tobacco manipulating machine. W. E. Molins. 2,149,924; Mar. 7.
Tobacco to cigarette making or tobacco-packaging machines, Method of and apparatus for feeding. W. E. Molins. 2,149,925; Mar. 7.
Tool: *See*—
Cutting tool.
Machine tool.
Tire contracting tool.
Tool speed control, Machine. K. R. Herman and H. F. Vickers. 2,150,032; Mar. 7.
Tooth brush. J. Kilburg. 2,149,890; Mar. 7.
Tooth brush, Double action. P. M. Axline. 2,149,950; Mar. 7.
Top, Can. J. F. Peckham. 2,149,308; Mar. 7.
Toy. J. Hojnowski. 2,149,677; Mar. 7.
Toy airplane, Electrical. F. A. Christiansen. 2,149,666; Mar. 7.
Toy construction block and interlocking retainer therefor. B. A. Tetziaff. 2,149,476; Mar. 7.
Toy typewriter. S. R. Bell. 2,149,264; Mar. 7.
Tractor wheel. J. W. Shields. 2,150,107; Mar. 7.
Traffic detector. B. W. Jones. 2,149,998; Mar. 7.
Trailer hitch. G. Solomon. 2,150,010; Mar. 7.
Trailer hitch and frame. D. S. Kalb. 2,150,066; Mar. 7.
Transformer fault indicating means. E. O. Schweitzer, Jr. 2,149,634; Mar. 7.
Transformer unit. V. A. La Fave. 2,149,529; Mar. 7.
Transmission, Variable speed. N. B. Henry. 2,149,675; Mar. 7.
Trap: *See*—
Rat trap.
Tree, Artificial Christmas. P. Kranz and A. P. Schmid. 2,149,968; Mar. 7.
Triangle, Drafting. E. W. Coffey. 2,149,422; Mar. 7.
Trim. W. E. Miller. 2,149,742; Mar. 7.
Truck, Car. J. A. Cameron. 2,149,272; Mar. 7.
Tube: *See*—
Thermionic tube.
Tube holder. F. Schymizek. 2,149,315; Mar. 7.
Tube inflating device. A. A. Starke. 2,149,797; Mar. 7.
Tubes, Induction excitation of electric discharge. J. Bethenold. 2,149,414; Mar. 7.
Tubes, rods, and the like, Method of and apparatus for forming glass. R. H. Barnard. 2,150,017; Mar. 7.

Tubular structure embodying welded joint and making the same. H. S. George. 2,149,844; Mar. 7.
Turbo-machines, Preventing deterioration of. G. Darrieus. 2,149,510; Mar. 7.
Typewriting machine. W. A. Dobson. 2,150,028; Mar. 7.
Typewriting machine. W. T. Sagner. 2,150,038; Mar. 7.
Ultraviolet lamp. P. H. Craig. 2,150,054; Mar. 7.
Undergarment, Lady's. T. J. Smutny. 2,150,108; Mar. 7.
Undergarment, One-piece. W. A. Blankenhorn. 2,149,416; Mar. 7.
Universal joint. F. Briese. 2,149,907; Mar. 7.
Universal joint. N. S. Focht. 2,149,763; Mar. 7.
Universal joint. T. P. Leaman. 2,149,352; Mar. 7.
Upper uniting machine. B. W. Freeman. 2,149,594; Mar. 7.
Vacuum cleaner. D. M. Dow. 2,149,588; Mar. 7.
Vacuum scrubber. J. H. Longshore, D. E. Smalley and E. L. Petty. 2,149,453; Mar. 7.
Valve: *See*—
Hose valve.
Valve for brass wind instruments. C. N. M. Wornell. 2,149,714; Mar. 7.
Valve for hydraulic brakes, Safety. J. H. Jobson. 2,149,295; Mar. 7.
Valve lubricating system. J. V. Pagliaroni. 2,149,898; Mar. 7.
Valve structure. V. J. Sedlon and E. W. Pierle. 2,149,367; Mar. 7.
Valve structure for musical instruments. A. Guidobaldi. 2,149,434; Mar. 7.
Valves, Apparatus for controlling the operation of cone. S. A. Canarlis. 2,149,725; Mar. 7.
Vane compression, Sliding. G. L. Kollberg and M. C. Shaw. 2,150,122; Mar. 7.
Variable condenser. E. S. Maris. 2,149,702; Mar. 7.
Variable resistance operated stack switch, Oil burner control. H. C. Bohr. 2,149,871; Mar. 7.
Vehicle appliance. R. J. Kelberer. 2,149,296; Mar. 7.
Vehicle brake. N. A. Christensen. 2,150,021; Mar. 7.
Vehicle seat. L. B. Harris. 2,149,290; Mar. 7.
Vehicle side bearing. W. W. Farr. 2,150,116; Mar. 7.
Vehicle suspension means. F. Malott. 2,150,073; Mar. 7.
Ventilation control. J. D. McKnight. 2,149,976; Mar. 7.
Venting control for air valves, Adjustable. P. H. Stapley. 2,150,136; Mar. 7.
View finder for photographic cameras. H. Becker. 2,149,384; Mar. 7.
Voltage limiter. H. E. Vaughan. 2,149,372; Mar. 7.
Voltage measurements, Apparatus for. W. C. Lent. 2,149,451; Mar. 7.
Volume control system. J. W. Conklin. 2,149,727; Mar. 7.
Vulcanization accelerator. C. O. Miserentino. 2,149,859; Mar. 7.
Vulcanization accelerator and making the same. C. O. Miserentino. 2,149,858; Mar. 7.
Wagon. E. W. Austin. 2,149,949; Mar. 7.
Wall construction. C. B. Barnard and E. L. Hahn. 2,149,495; Mar. 7.
Wall construction. H. Holdsworth. 2,150,061; Mar. 7.
Wall plug. J. J. Rawlings. 2,150,080; Mar. 7.
Washing machine. A. W. Altorfer. 2,149,987; Mar. 7.
Washing machine structure and making same, Cylindrical. H. H. Harland. 2,149,809; Mar. 7.
Wave transmission network. W. P. Mason. 2,149,356; Mar. 7.
Wear-protectors of rubber or similar material to horse-shoes, Securing. O. Miöen. 2,149,535; Mar. 7.
Webs, Method and apparatus for uniting printing. D. J. Seaman and H. H. Metcalf. 2,149,366; Mar. 7.
Welding apparatus. W. Morton. 2,149,801; Mar. 7.
Welding apparatus, Electric. H. A. Woofter. 2,149,654; Mar. 7.
Welding, Automatic. A. R. Allard. 2,149,490; Mar. 7.
Well-drilling bit. W. C. Starkey. 2,149,798; Mar. 7.
Well point. J. W. Stang. 2,149,874; Mar. 7.
Welt for stockings, Elastic. C. W. Seidel. 2,150,133; Mar. 7.
Wheel: *See*—
Tractor wheel.
Wheel for track laying vehicles. J. K. Christmas. 2,149,278; Mar. 7.
Wheel structures, Making. J. W. Tatter. 2,150,111; Mar. 7.
Wheel truing apparatus, Grinding. C. C. Alvord. 2,150,091; Mar. 7.
Window control, Casement. O. L. Keiser. 2,149,607; Mar. 7.
Window frame mounting. R. G. Le Tourneau. 2,149,811; Mar. 7.
Wiper and brake, Oil gauge line. S. O. Truman. 2,150,086; Mar. 7.
Wire and rod, Apparatus for handling coiled. L. R. MacLeod. 2,149,851; Mar. 7.
Wire fabric. E. L. Blackburn. 2,149,834; Mar. 7.
Wires of magnesium or alloys thereof, Manufacture of. H. Hadenfeldt and B. Blumenthal. 2,149,436; Mar. 7.
Wood preservation. E. R. Boller. 2,149,332; Mar. 7.
Wrench. J. J. Nagle. 2,149,541; Mar. 7.
Wringer head mechanism. F. A. Parish. 2,149,866; Mar. 7.
Wringer, Mop. W. Fader. 2,149,255; Mar. 7.
Zinc oxide, Making. W. T. Maidens. 2,150,072; Mar. 7.

CLASSIFICATION OF PATENTS

ISSUED MARCH 7, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ace Pin Products Co. (See Fuscaldo, Frank.)

Agicide Laboratories, Milwaukee, Wis. Foundry partings. Serial No. 415,279; Mar. 14. Class 1.

Alexander Woolen Company, Chicago, Ill. Woolen piece goods. Serial No. 414,250; Mar. 14. Class 42.

Aluminum Company of America, Pittsburgh, Pa. Collapsible tubes. Serial No. 414,765; Mar. 14. Class 2.

American Dairies, Incorporated, Kansas City, Mo. Dehydrated cereal grasses, and extracts and juice of cereal grasses. Serial No. 410,853; Mar. 14. Class 6.

Anglo-International Producers Limited, London, England. Medicine. Serial No. 390,771; Mar. 14. Class 6.

Anitra Inc., New York, N. Y. Ladies' coats and suits. Serial No. 401,520; Mar. 14. Class 39.

Ansehl, Benjamin, Company, The, St. Louis, Mo. Skin dressing. Serial No. 415,491; Mar. 14. Class 6.

Artic Roofings, Inc., Edge Moor, Del. Composition shingles and roll roofing. Serial Nos. 414,768–9; Mar. 14. Class 12.

Atlantic Food Packing Co. (See Rosenthal, Alex.)

Autographic Register Company, Hoboken, N. J. Paper for autographic registers. Serial No. 415,209; Mar. 14. Class 37.

Automatic Bookkeeping Co. (See Gaskell, Harry B.)

Baker, Edward J., Stockton, Calif. Playing cards. Serial No. 401,013; Mar. 14. Class 22.

Barber, Mary O., Everett, Ohio. Sausage, ham, lard, etc. Serial No. 411,565; Mar. 14. Class 46.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Preparations for treating the nails. Serial No. 405,712; Mar. 14. Class 6.

Bedford, Harvey W., doing business as Bedford & Sons, Los Angeles, Calif. Motor oil in bottles of quart sizes. Serial Nos. 413,757–9; Mar. 14. Class 15.

Bell, J. W., & Sons, Paris, Ky. Tobacco seed. Serial No. 415,241; Mar. 14. Class 1.

Bermingham & Prosser Co., Chicago, Ill. Art papers. Serial No. 415,240; Mar. 14. Class 37.

Biecker & Stein, Philadelphia, Pa. Hair tonic, toilet water, face and toilet creams, and perfumes. Serial No. 409,383; Mar. 14. Class 6.

Bio-Dynamic Farming & Gardening Association, Inc., Spring Valley, N. Y. Fresh fruits, vegetables, and honey, etc. Serial No. 412,583; Mar. 14. Class 46.

Biscegliа Brothers Corp., Philadelphia, Pa. Wines. Serial No. 413,700; Mar. 14. Class 47.

Boot Mills, Lowell, Mass. Towels. Serial No. 412,752; Mar. 14. Class 42.

Booth, F. E., Company, Inc., San Francisco, Calif. Canned food products. Serial No. 414,432; Mar. 14. Class 46.

Borden Company, The, New York, N. Y. Cheese flavoring for baked goods. Serial No. 413,892; Mar. 14. Class 46.

Bowman, Abram S., doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Whiskey. Serial No. 415,105; Mar. 14. Class 49.

Bregstein-Richman Inc., New York, N. Y. Slips. Serial No. 414,254; Mar. 14. Class 39.

Brown, Clarence S., & Co., Inc., New York, N. Y. Printed color comparing transparent sheets. Serial No. 413,928; Mar. 14. Class 38.

Brown, Stanley C., Ithaca, Mich. Toothpaste. Serial No. 414,858; Mar. 14. Class 6.

Burd Model Airplane Company, Baltimore, Md. Model airplanes. Serial No. 415,442; Mar. 14. Class 22.

Buzzo Sales Co. (See Thomas, Oliver.)

Call Ranch, doing business as A. F. Call Estate, Corona, Calif. Fresh citrus fruit. Serial No. 407,128; Mar. 14. Class 46.

Cambridge Rubber Company, Cambridge, Mass. Shoes, soles, and heels. Serial No. 413,472; Mar. 14. Class 39.

Central Knitwear Mills, Inc., New York, N. Y. Bathing suits. Serial No. 414,685; Mar. 14. Class 39.

Cherry-Burrell Corporation, Chicago, Ill. Pipe fittings and metal pipes. Serial No. 412,952; Mar. 14. Class 13.

Chesapeake-Camp Corporation, Franklin, Va. Kraft paper. Serial No. 415,157; Mar. 14. Class 37.

Chevette, Inc., New York, N. Y. Girdles, foundation garments, brassières, etc. Serial No. 409,805; Mar. 14. Class 39.

Clairol, Inc., New York, N. Y. Hair dye removers and hair color removers. Serial No. 414,287; Mar. 14. Class 6.

Clavin, Tucker & Company, Chicago, Ill. Liquid dentifrice. Serial No. 412,754; Mar. 14. Class 6.

Cohn, Herman, Leather Goods Company, The, Baltimore, Md. Brushes and brush sets and whisk brooms and hair brushes. Serial No. 410,575; Mar. 14. Class 28.

Colloid Chemical Laboratories. (See Schuelke, Erich F. R.)

Concrete Publishing Corporation, Chicago, Ill. Department of a periodical. Serial No. 414,485; Mar. 14. Class 38.

Conde Nast Publications, Inc., The, New York, N. Y. Magazine. Serial No. 414,594; Mar. 14. Class 38.

Continental Carbon Company, New York, N. Y. Carbon black. Serial No. 414,383; Mar. 14. Class 6.

Cromwell Paper Company, The, Chicago, Ill. Fabric ruching. Serial No. 411,944; Mar. 14. Class 40.

Dana, S. A., Paris, France. Perfumes, face creams, toilet water, etc. Serial No. 414,822; Mar. 14. Class 6.

Dietetic Research Laboratories, Inc., Bloomfield, N. J. Preparation of vitamins and minerals. Serial No. 414,143; Mar. 14. Class 6.

Distillerie de la Suze (Société Anonyme), Maisons-Alfort, France. Alcoholic liqueurs. Serial No. 414,183; Mar. 14. Class 49.

Drossinos, Mike, Brooklyn, N. Y. Tonic for the scalp. Serial No. 415,159; Mar. 14. Class 6.

Dube & Reingold, Inc., New York, N. Y. Raincoats and waterproof suits. Serial No. 414,332; Mar. 14. Class 39.

Dyersburg Cotton Products, Inc., Dyersburg, Tenn. Knitted cloth piece goods. Serial No. 413,931; Mar. 14. Class 42.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. Serial No. 414,596; Mar. 14. Class 1.

Elastic Toe Corporation, New York, N. Y. Hosiery. Serial No. 414,342; Mar. 14. Class 39.

Electric Railway Improvement Company, The, Cleveland, Ohio. Connectors and bonds for electrically connecting railway rails. Serial No. 413,039; Mar. 14. Class 21.

Elm Cycle & Auto Supply Co., Westfield, Mass. Artificial fishing lures and hooks. Serial No. 415,112; Mar. 14. Class 22.

Enro Shirt Co., The, Louisville, Ky. Shirts and pajamas. Serial No. 414,693; Mar. 14. Class 39.

Epstein Underwear Co., New York, N. Y. Slips, nightgowns, pajamas, etc. Serial No. 401,052; Mar. 14. Class 39.

Famous-Barr Co. (See May Department Stores Company, The.)

Flueform Brassiere Co., Inc., New York, N. Y. Brassières, girdles, corsets, etc. Serial No. 413,475; Mar. 14. Class 39.

Firestone Tire & Rubber Company, The, Akron, Ohio. Flashlights. Serial No. 406,446; Mar. 14. Class 21.

Flomenhaft, Sam, New York, N. Y. French angora and other yarns. Serial No. 414,441; Mar. 14. Class 43.

Footrue Shoe Company, Brooklyn, N. Y. Shoes and overshoes. Serial No. 413,547; Mar. 14. Class 39.

Fraser, Russell, Wire Company, New York, N. Y., now by change of name Fraser Manufacturing Co., Inc. Gimp. Serial No. 414,045; Mar. 14. Class 40.

Freydberg Bros., Inc., Stamford, Conn. Textile bindings. Serial No. 413,904; Mar. 14. Class 40.

Fruit Industries, Ltd., San Francisco, Calif., and New York, N. Y. Wines. Serial No. 410,464; Mar. 14. Class 47.

Funston, D., Company, doing business as Williams and Company, Chicago, Ill. Pharmacal preparation. Serial No. 412,538; Mar. 14. Class 6.

Fuscaldo, Frank, doing business as Ace Pin Products Co., Chicago, Ill. Hair pins, hair curlers and clips, and hair pin clips. Serial No. 410,731; Mar. 14. Class 40.

Gantner & Mattern Company, San Francisco, Calif. Suits, dresses, coats, etc. Serial No. 405,110; Mar. 14. Class 39.

Gaskell, Harry B., doing business as Automatic Bookkeeping Co., Long Beach, Calif. Information pamphlets and specially ruled sheets for income tax data. Serial No. 412,446; Mar. 14. Class 37.

Gates, J. L., Milling Company, The, Columbus, Ohio. Feed concentrate for stock. Serial No. 408,602; Mar. 14. Class 46.

General Beverage Corp., Springfield, Mass. Orange beverages and syrups for the same. Serial No. 415,116; Mar. 14. Class 45.

General Chemical Company, New York, N. Y. Spray compound. Serial No. 406,128; Mar. 14. Class 6.

General Dyestuff Corporation, New York, N. Y. Washing and scouring agent. Serial No. 414,656; Mar. 14. Class 4.

General Electric Company, Schenectady, N. Y. Soldering paste and for soldering flux. Serial No. 414,494; Mar. 14. Class 6.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 414,443; Mar. 14. Class 46.

General Tire & Rubber Company, Akron, Ohio. Game. Serial No. 415,474; Mar. 14. Class 22.

Glickman, Simon, doing business as Steppin Sam Company Co., Philadelphia, Pa. Wooden figure toys. Serial No. 413,826; Mar. 14. Class 22.
Goldschmidt, Th., A.-G., Essen-Ruhr, Germany. Toilet creams and lotions and artificial oleaginous materials. Serial No. 411,557; Mar. 14. Class 6.
Goodrich & Love. (See Love, Max A.)
Great Star Coffee Corporation, New York, N. Y. Coffee, chocolate, and cocoa. Serial No. 413,527; Mar. 14. Class 46.
Greenway Brewery Co., Inc., Syracuse, N. Y. Beverages fermented from malt, hops, etc. Serial No. 412,968; Mar. 14. Class 48.
Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. Serial No. 410,291; Mar. 14. Class 39.
Growers Rice Milling Co., San Francisco, Calif. Rice. Serial No. 414,825; Mar. 14. Class 46.
Hamilton Manufacturing Company, Two Rivers, Wis. Furniture. Serial No. 414,735; Mar. 14. Class 32.
Hearst Magazines Inc., New York, N. Y. Printed advertising signs. Serial No. 410,505; Mar. 14. Class 38.
Herb Juice-Penol Company, Inc., Danville, Va. Foot preparation. Serial No. 408,485; Mar. 14. Class 6.
Hercules Liquor Products Corp., Brooklyn, N. Y. Rum. Serial No. 415,390; Mar. 14. Class 49.
Hercules Powder Company, Wilmington, Del. Synthetic textile finishing agent. Serial No. 414,402; Mar. 14. Class 6.
Herendeen-Avery, Inc., Miami, Fla. Piece goods. Serial No. 414,659; Mar. 14. Class 42.
Holt, Beulah, doing business as Beulah Holt Rainette Co., Kansas City, Mo. Oil silk rain suit. Serial No. 413,869; Mar. 14. Class 39.
Honoreo, Inc., Chicago, Ill. Canned fruits and vegetables, tomato juice, etc. Serial No. 400,103; Mar. 14. Class 46.
Hunter-Northcutt Chemical Laboratories, Los Angeles and Hollywood, Calif. Solvents. Serial No. 414,998; Mar. 14. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Colloidal preparations. Serial No. 412,259; Mar. 14. Class 6.
Ideal Linen Mesh Company, Poughkeepsie, N. Y. Wearing apparel. Serial No. 412,377; Mar. 14. Class 39.
Ihle-Bellhardt Company, The, Seattle, Wash. Pharmaceutical preparation. Serial No. 409,648; Mar. 14. Class 6.
Industrial Rayon Corporation, Cleveland, Ohio. Yarn. Serial No. 409,574; Mar. 14. Class 43.
International Postmistress Club, San Francisco, Calif. Publication. Serial No. 414,497; Mar. 14. Class 38.
Interstate Cotton Oil Refining Co., Sherman, Tex. Vegetable oil shortening. Serial No. 415,000; Mar. 14. Class 46.
Iron Fireman Manufacturing Company, Portland, Oreg. Thermostatically controlled electric switches. Serial No. 410,838; Mar. 14. Class 26.
Ivis Company, Inc., The, New York, N. Y. Lotions and face packs. Serial No. 398,164; Mar. 14. Class 6.
Jefferies Company, The, Bluefield, W. Va. Cold capsules, liver pills, cough syrup, etc. Serial No. 400,909; Mar. 14. Class 6.
Jenath Knitwear, Inc., Brooklyn, N. Y. Ladies' sweaters. Serial No. 413,829; Mar. 14. Class 39.
Jordan, Charles D., doing business as C. D. Jordan Laboratory, Monticello, Ga. Vermifuge. Serial No. 410,839; Mar. 14. Class 6.
Jordan Mills, Inc., Columbus, Ga. Furniture slip covers. Serial No. 415,398; Mar. 14. Class 32.
Keyboard Publishing Co. (See Mininberg, Ian.)
King Features Syndicate, Inc., New York, N. Y. Cartoon series. Serial No. 415,128; Mar. 14. Class 38.
Ladd Lime & Stone Co., Cartersville, Ga. Masonry mortar. Serial No. 414,265; Mar. 14. Class 12.
Lilly, Eli, and Company, Indianapolis, Ind. Rabbit antipneumococcic serum. Serial Nos. 415,129–30; Mar. 14. Class 6.
Linker & Herbert, Inc., New York, N. Y. Woolen and wool mixture fabrics. Serial No. 414,746; Mar. 14. Class 42.
Love, Max A., doing business as Goodrich & Love, New York, N. Y. Effervescent remineralizing dentifrice. Serial No. 414,571; Mar. 14. Class 6.
Mansbrooke Rainwear Co., The, Needham Heights, Mass. Coats, raincoats, overcoats, etc. Serial No. 414,075; Mar. 14. Class 39.
Mariana Grove Packers, Inc., Fort Myers, Fla. Fresh citrous fruits. Serial No. 409,048; Mar. 14. Class 46.
Matthews, Walter S., De Funiak Springs, Fla. Ointment. Serial No. 408,354; Mar. 14. Class 6.
May Department Stores Company, The, New York, N. Y., doing business as The M. O'Neil Co., Akron, Ohio; The May Co., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo.; and the Famous-Barr Co., St. Louis, Mo. Suits, overcoats, jackets, etc. Serial No. 411,506; Mar. 14. Class 39.
Menasha Products Company, Menasha, Wis. Paper napkins. Serial No. 415,132; Mar. 14. Class 37.
Merit Food Co., Inc., Hackensack, N. J. Salad dressing. Serial No. 414,828; Mar. 14. Class 46.
Methodist Book Concern, The, Cincinnati, Ohio. Periodical. Serial No. 415,086; Mar. 14. Class 38.
Midland Chemical Laboratories, Inc., Dubuque, Iowa. Insecticides. Serial No. 415,556; Mar. 14. Class 6.
Midland Optical Company. (See New Era Optical Company.)
Miller & Hollis, Inc., Boston, Mass. Chocolates. Serial Nos. 415,177–9; Mar. 14. Class 46.
Miller Publishing Co., The, Minneapolis, Minn. Publication. Serial No. 415,007; Mar. 14. Class 38.
Mininberg, Ian, doing business as Keyboard Publishing Co., New Haven, Conn. Publications. Serial No. 414,667; Mar. 14. Class 38.
Morse, Leopold, Company, Boston, Mass. Topcoats. Serial No. 413,350; Mar. 14. Class 39.
Morse, Leopold, Company, Boston, Mass. Overcoats. Serial No. 413,351; Mar. 14. Class 39.
Mortell, J. W., Company, Kankakee, Ill. Sound deadening plastic compound. Serial No. 414,829; Mar. 14. Class 12.
Morty, George A., Company, Miami, Fla. Insecticides. Serial No. 415,300; Mar. 14. Class 6.
Mother Asther's Own Farm. (See Strasberg, A.)
Mt. Vernon-Woodberry Mills, Inc., Baltimore, Md. Crochet and sewing cotton, cotton yarn, etc. Serial No. 411,131; Mar. 14. Class 43.
Murphy, Brill and Sahner Inc., New York, N. Y. Hosiery. Serial No. 413,997; Mar. 14. Class 39.
Mu-Switch Corporation, Canton, Mass. Switches for use in electrical apparatus. Serial No. 414,963; Mar. 14. Class 21.
Newbro Manufacturing Company, Atlanta, Ga. Hair dressing. Serial No. 414,502; Mar. 14. Class 6.
New Era Optical Company, also doing business as Midland Optical Company, Chicago, Ill. Sun glasses. Serial No. 414,885; Mar. 14. Class 26.
North American Rayon Corporation, New York, N. Y. Thread and yarn. Serial No. 403,323; Mar. 14. Class 43.
Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. Serial Nos. 415,067–8; Mar. 14. Class 37.
Oelerich & Berry Co., Chicago, Ill. Molasses. Serial No. 412,916; Mar. 14. Class 46.
Oliver Tire & Rubber Company, Oakland, Calif. Rubber tires. Serial No. 415,136; Mar. 14. Class 35.
O'Neil, M., Co., The. (See May Department Stores Company, The.)
Osco Motors Corporation, Philadelphia, Pa. Engines and engine parts. Serial No. 407,324; Mar. 14. Class 23.
Palter, Dan, New York, N. Y. Boots, shoes, and slippers. Serial No. 412,717; Mar. 14. Class 39.
Palter, Dan, New York, N. Y. Boots, shoes, and slippers. Serial No. 412,719; Mar. 14. Class 39.
Palter, Dan, New York, N. Y. Boots, shoes, and slippers. Serial No. 412,724; Mar. 14. Class 39.
Parents' Institute, Inc., New York, N. Y. Column or section in a monthly magazine. Serial No. 414,503; Mar. 14. Class 38.
Patterson, Eleanor M., doing business as Patterson Newspapers and/or Washington Herald-Times, Washington, D. C. News column and special articles. Serial No. 415,055; Mar. 14. Class 38.
Perlberg, Fred, Inc., New York, N. Y. Dresses. Serial No. 414,201; Mar. 14. Class 39.
Perrotta, Lawrence J., doing business as Per-Zadi Products Company, New York, N. Y. Prophylactic rubber articles. Serial No. 414,964; Mar. 14. Class 44.
Per-Zadi Products Company. (See Perrotta, Lawrence J.)
Pittston Brewing Corporation, Pittston, Pa. Ale. Serial No. 406,102; Mar. 14. Class 48.
Price, Oscar R., doing business as Varitex Company, New York, N. Y. Straight and safety pins and snap fasteners. Serial No. 412,731; Mar. 14. Class 40.
Pure Milk Cheese Co., Elgin, Ill. Cheese. Serial No. 389,695; Mar. 14. Class 46.
Radway & Co., Inc., New York, N. Y. Preparation for dyspepsia, heartburn, etc. Serial No. 413,363; Mar. 14. Class 6.
Remington Arms Company, Inc., Bridgeport, Conn. Frangible targets. Serial No. 415,302; Mar. 14. Class 22.
Rheingold Cheese Company, Chicago, Ill. Cheese. Serial No. 415,258; Mar. 14. Class 46.
Riegel Paper Corporation, Riegelsville, N. J.; and New York, N. Y. Wrapping paper. Serial No. 415,529; Mar. 14. Class 37.
Rogers, Loran M., Webster City, Iowa. Periodical publication. Serial Nos. 414,547–8; Mar. 14. Class 38.
Roper Knitting Company, Inc., Canandaigua, N. Y. Knitted sweaters. Serial No. 412,156; Mar. 14. Class 39.
Rosenthal, Alex, doing business as Atlantic Food Packing Co., Trenton, N. J. Shoe string potatoes. Serial No. 413,739; Mar. 14. Class 46.
Roskin, I., Company, Inc., New York, N. Y. Jewelry and articles of personal adornment. Serial No. 413,561; Mar. 14. Class 28.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 412,464; Mar. 14. Class 39.
Sanders & Jungreis, New York, N. Y. Pajamas. Serial No. 414,605; Mar. 14. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. Serial No. 414,371; Mar. 14. Class 39.
Schuckl & Co., Inc., San Francisco, Calif. Canned fruits. Serial No. 410,094; Mar. 14. Class 46.

Schuckl & Co., Inc., San Francisco, Calif. Canned soups. Serial No. 414,803; Mar. 14. Class 46.
Schuelke, Erich F. R., doing business as Colloid Chemical Laboratories, New York, N. Y. Oils. Serial Nos. 397,773–4; Mar. 14. Class 6.
Seymour, Jane, Limited, London, England. Astringent lotions, acne lotions, anti-weather creams, etc. Serial No. 390,282; Mar. 14. Class 6.
Sherman, Charles Q., Corporation, The, New York, N. Y. Refrigerated cabinets. Serial No. 414,906; Mar. 14. Class 31.
Shiman, M. H., & Co. Inc., New York, N. Y. Jewelry. Serial No. 410,491; Mar. 14. Class 28.
Simplex Products Corporation, Cleveland, Ohio. Piston pins and expanders, engine bearings, etc. Serial Nos. 414,839–40; Mar. 14. Class 23.
Societe Anonyme Grenoville, Asnieres (Seine), France. Perfumes, toilet waters, lotion, etc. Serial Nos. 414,841–2; Mar. 14. Class 6.
Societe Anonyme "Les Tissus Soray", Paris, France. Silk, rayon, wool, and cotton piece goods. Serial No. 412,880; Mar. 14. Class 42.
Southland Manufacturing Company, Inc., Wilmington, N. C. Shirts, pajamas, underwear, etc. Serial No. 414,164; Mar. 14. Class 39.
Sponge Rubber Products Company, The, Derby, Conn. Play sets. Serial No. 409,852; Mar. 14. Class 22.
Squirt Company, The, Glendale, Ariz., and Milwaukee, Wis. Grapefruit drink and bases and syrups and extracts for making same. Serial No. 415,203; Mar. 14. Class 45.
Stein, Hall & Company, Inc., New York, N. Y. Adhesives containing starch. Serial No. 413,368; Mar. 14. Class 5.
Steppin Sam Company Co. (See Glickman, Simon.)
Strasberg, A., doing business as Mother Asther's Own Farm, East Stroudsburg, Pa. Tomato juice. Serial No. 413,653; Mar. 14. Class 46.
Strawbridge & Clothier, Philadelphia, Pa. Shoes and slippers, suits, etc. Serial No. 413,491; Mar. 14. Class 39.
Stuyvesant Cigar Company, Incorporated, New York, N. Y. Smoking tobacco. Serial No. 413,284; Mar. 14. Class 17.
Tarshes Bros., Inc., New York, N. Y. Pants, trousers, and slacks. Serial No. 414,540; Mar. 14. Class 39.
Tarshes Bros., Inc., New York, N. Y. Shirts for officers in the military service. Serial No. 414,541; Mar. 14. Class 39.
Temple Stephens Co., Moberly, Mo. Baking powder. Serial No. 404,332; Mar. 14. Class 46.
Tepper, J. Saul, Baltimore, Md. Antiseptic medicated aid in relief of burns, cuts, etc. Serial No. 412,235; Mar. 14. Class 6.
Thermal Products Corporation, Pittsburgh, Pa. Protective coating materials. Serial No. 411,914; Mar. 14. Class 12.
Thomas, Oliver, also doing business as Buzzo Sales Co., San Antonio, Tex. Game of chance. Serial No. 413,745; Mar. 14. Class 22.
Tile Roofing Company, Inc., Stratford, Conn. Roofing materials. Serial No. 404,964; Mar. 14. Class 12.
Topics Publishing Company, Inc., The, New York, N. Y. Publication. Serial No. 414,759; Mar. 14. Class 38.
Torney, John, Elmhurst, N. Y. Cigars. Serial No. 415,313; Mar. 14. Class 17.
Trade Newspapers Corporation, New York, N. Y. Publication. Serial No. 414,760; Mar. 14. Class 38.
Trico Products Corporation, Buffalo, N. Y. Windshield wiper blades. Serial No. 347,892; Mar. 14. Class 19.
Trimount Clothing Co. Inc., Boston, Mass. Overcoats, topcoats, suits, etc. Serial No. 413,607; Mar. 14. Class 39.
Underwood, William, Company, Watertown, Mass. Canned deviled ham, frankfurts, sausages, etc. Serial No. 411,513; Mar. 14. Class 46.
Varitex Company. (See Price, Oscar R.)
Washington Herald-Times. (See Patterson, Eleanor M.)
Weitzman, Louis L., doing business as Weitzman Shoe Company, Newark, N. J. Boots and shoes. Serial No. 400,815; Mar. 14. Class 39.
Williams and Company. (See Funston, D., Company.)
Wohl Shoe Company, St. Louis, Mo. Shoes. Serial No. 413,888; Mar. 14. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A and Z Chain Company, Providence, R. I. Jewelry. 365,539; Mar. 14; Serial No. 399,391; published Jan. 3, 1939. Class 28.
Accardi, Antonio, doing business as A. Accardi & Co., Boston, Mass. Salad and cooking oils. 365,582; Mar. 14; Serial No. 409,251; published Dec. 27, 1938. Class 46.
Adams-Millis Corporation, High Point, N. C. Hosiery. 365,697; Mar. 14; Serial No. 412,279; published Dec. 27, 1938. Class 39.
Aktiebolaget Nya Spis- & Knackebrodsfabriken Oskarshamn, Oskarshamn, Sweden. Swedish hard rye bread and delicatessen bread. 365,544; Mar. 14; Serial No. 402,704; published Jan. 3, 1939. Class 46.
Allied Engineering Company, Chicago, Ill. Roller skates and wheels and repair parts therefor. 365,730; Mar. 14; Serial No. 412,688; published Jan. 3, 1939. Class 22.
Altman, B., & Co., New York, N. Y. Sofas and chairs. 365,737; Mar. 14; Serial No. 412,895; published Jan. 3, 1939. Class 32.
American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 365,766; Mar. 14. Class 40.
American Publishing Association. (See Lazar, J. A.)
Andrews, Augusto J., doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Shoe laces and braids. 365,639; Mar. 14; Serial No. 411,440; published Dec. 13, 1938. Class 40.
Andrews, Augusto J., doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Shoe laces and braids. 365,640; Mar. 14; Serial No. 411,442; published Jan. 3, 1939. Class 40.
Ar-Don Company, Inc., Rye, N. Y. Fasteners. 365,598; Mar. 14; Serial No. 410,285; published Nov. 29, 1938. Class 40.
Arkansas City Flour Mills Co., The, Arkansas City, Kans. Wheat flour. 365,743; Mar. 14. Class 46.
Arrowood, S. D., & Company, New York, N. Y. Hosiery. 365,630; Mar. 14; Serial No. 411,290; published Dec. 20, 1938. Class 39.
Artalier Company, The, Cleveland, Ohio. Electric lighting fixtures. 365,704; Mar. 14; Serial No. 412,428; published Jan. 3, 1939. Class 21.
Associated Ink Company, Ltd., San Francisco, Calif. Printing and lithographing inks. 365,748; Mar. 14. Class 11.
Association of Gas Appliance and Equipment Manufacturers, New York, N. Y. Gas ranges. 365,586; Mar. 14; Serial No. 409,552; published Jan. 3, 1939. Class 34.
Automatic Canteen Company of America, Chicago, Ill. Chocolate, candies, candy bars, etc. 365,524; Mar. 14; Serial No. 391,105; published Jan. 3, 1939. Class 46.
Automatic Canteen Company of America, Chicago, Ill. Chocolate, candies, nuts, etc. 365,525; Mar. 14; Serial No. 391,109; published Jan. 3, 1939. Class 46.
Autoyre Company, Incorporated, The, Oakville, Conn. Buckles, slides, and loops. 365,609; Mar. 14; Serial No. 410,715; published Dec. 6, 1938. Class 40.
Babson Bros., Chicago, Ill. Ice making milk cooling machines. 365,762; Mar. 14. Class 31.
Bachmann Brothers, Inc., Philadelphia, Pa. Smoking pipes. 365,712; Mar. 14; Serial No. 412,487; published Jan. 3, 1939. Class 8.
Baillie, Alfred J., Philadelphia, Pa. Lawn rakes. 365,774; Mar. 14. Class 23.
Bancroft Walker Company, Waltham, Mass. Women's shoes. 365,603; Mar. 14; Serial No. 410,448; published Nov. 29, 1938. Class 39.
Bayer, Sylvia C., Menomonie, Wis. Blank cards. 365,601; Mar. 14; Serial No. 410,387; published Jan. 3, 1939. Class 37.
Bear Creek Vineyard Association, Lodi, Calif. Wines. 365,694; Mar. 14; Serial No. 412,248; published Dec. 27, 1938. Class 47.
Behr-Manning Corporation, Troy, N. Y. Fabric treated with non-slipping material. 365,713; Mar. 14; Serial No. 412,491; published Jan. 3, 1939. Class 50.
Bell Syndicate, Inc., The, New York, N. Y. Series of newspaper features. 365,625; Mar. 14; Serial No. 411,206; published Dec. 27, 1938. Class 38.
Belle Knitting Corp., New York, N. Y. Ladies' and children's underwear. 365,644; Mar. 14; Serial No. 411,486; published Dec. 20, 1938. Class 39.
Bellows & Company, Inc., New York, N. Y. Scotch whiskey. 365,723; Mar. 14; Serial No. 412,624; published Jan. 3, 1939. Class 49.
Belnap and Thompson, Inc., Chicago, Ill. Illustrated magazine. 365,558; Mar. 14; Serial No. 405,683; published Jan. 3, 1939. Class 38.
Belnap and Thompson, Inc., Chicago, Ill. Writing paper and envelopes. 365,559; Mar. 14; Serial No. 405,684; published Jan. 3, 1939. Class 37.
Benal Hosiery Co., Inc., New York, N. Y. Hosiery. 365,698; Mar. 14; Serial No. 412,282; published Dec. 27, 1938. Class 39.
Berry Bros. & Co., London, England. Whisky, gin, rum, etc. 365,733; Mar. 14; Serial No. 412,794; published Jan. 3, 1939. Class 49.
Blechman, S., & Sons, Inc., New York, N. Y. Underwear, pajamas, bloomers, etc. 365,529; Mar. 14; Serial No. 393,109; published July 20, 1937. Class 39.
Blechman, S., & Sons, Inc., New York, N. Y. Underwear, pajamas, panties, etc. 365,530; Mar. 14; Serial No. 393,110; published Aug. 3, 1937. Class 39.

Borden Company, The, New York, N. Y. Mix for use in making ice cream. 365,695; Mar. 14; Serial No. 412,249; published Jan. 3, 1939. Class 46.

Botany Worsted Mills, Passaic, N. J. Necktles. 365,717; Mar. 14; Serial No. 412,540; published Jan. 3, 1939. Class 39.

Bouchard Aîné & Fils, Beaune, France. Wines. 365,570; Mar. 14; Serial No. 407,521; published Sept. 27, 1938. Class 47.

Bradner Smith & Company, Chicago, Ill. Poster paper. 365,590; Mar. 14; Serial No. 409,766; published Jan. 3, 1939. Class 37.

Brauer-Gressman Company, Kansas City, Mo. Sport shirts, sport coats, sport jackets, etc., for men and boys. 365,576; Mar. 14; Serial No. 408,153; published Sept. 27, 1938. Class 39.

Brightwater Paper Company, Dover, Del.; and Adams, Mass. Writing paper. 365,632–3; Mar. 14; Serial Nos. 411,331–2; published Jan. 3, 1939. Class 37.

California Fruit Growers Exchange, Los Angeles, Calif. Ceramic bowls. 365,548; Mar. 14; Serial No. 403,160; published Dec. 27, 1938. Class 30.

California Redwood Association, San Francisco, Calif. Lumber. 365,641; Mar. 14; Serial No. 411,446; published Dec. 6, 1938. Class 12.

Call Ranch, also doing business as A. F. Call Estate, Corona, Calif. Fresh citrus fruit. 365,752; Mar. 14. Class 46.

Calvert Distilling Co., The. (See Maryland Distillery, Inc., assignor.)

Canada Dry Ginger Ale, Inc., New York, N. Y. Carbonated beverage. 365,556; Mar. 14; Serial No. 404,933; published Nov. 29, 1938. Class 45.

Carson, Boris, Philadelphia, Pa. Hosiery. 365,560; Mar. 14; Serial No. 405,688; published Jan. 3, 1939. Class 39.

Central Soya Company, Inc., Fort Wayne, Ind. Soybean oil meal and soybean flakes. 365,617; Mar. 14; Serial No. 410,947; published Jan. 3, 1939. Class 46.

Certain-teed Products Corporation, New York, N. Y. Roofing and shingles and siding. 365,700; Mar. 14; Serial No. 412,329; published Jan. 3, 1939. Class 12.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 365,702; Mar. 14; Serial No. 412,373; published Jan. 3, 1939. Class 19.

Cidega Machine Shop, Inc., New York, N. Y. Knitting machines. 365,705; Mar. 14; Serial No. 412,439; published Jan. 3, 1939. Class 23.

Cohen, M. & B., Co., New York; N. Y. Suits, overcoats, topcoats, etc. 365,669; Mar. 14; Serial No. 411,856; published Dec. 27, 1938. Class 39.

Cohen, Meyer, doing business as Goodcraft Garment Co., Brooklyn, N. Y. Underwear, pajamas, bloomers, etc. 365,587; Mar. 14; Serial No. 409,561; published Dec. 20, 1938. Class 39.

Cohn, Henry, Chicago, Ill. Rowboats and motor boats. 365,624; Mar. 14; Serial No. 411,196; published Jan. 3, 1939. Class 19.

Cole, Jules M., et al. (See House of Westminster, Ltd., assignor.)

Columbia Outfitting Co. of Los Angeles, Cal., Los Angeles, Calif. Suits, overcoats, raincoats, etc. 365,773; Mar. 14. Class 39.

Comey, R. H., Brooklyn Company, Inc., Brooklyn, N. Y. Braids. 365,751; Mar. 14. Class 40.

Continental Mills, Inc., Philadelphia, Pa. Coats and suits, cloaks, and capes. 365,626; Mar. 14; Serial No. 411,211; published Dec. 6, 1938. Class 39.

Cooter, Paul M. (See Lake Shore Marketing and Merchandising Co., Inc., assignor.)

Corning Glass Works, Corning, N. Y. Heat resisting glassware. 365,552; Mar. 14; Serial No. 404,031; published Jan. 3, 1939. Class 33.

Corning Glass Works, Corning, N. Y. Glass tableware. 365,553; Mar. 14; Serial No. 404,032; published Jan. 3, 1939. Class 33.

Cowles Detergent Company, The, Cleveland, Ohio. Alkaline detergent. 365,687; Mar. 14; Serial No. 412,174; published Jan. 3, 1939. Class 4.

Cromwell Paper Company, The, Chicago, Ill. Aprons. 365,673; Mar. 14; Serial No. 411,946; published Dec. 27, 1938. Class 39.

Crosley Radio Corporation, The, Cincinnati, Ohio, now by change of name to The Crosley Corporation. Automobiles. 365,711; Mar. 14; Serial No. 412,481; published Jan. 3, 1939. Class 19.

Curtis Publishing Company, The, Philadelphia, Pa. Magazine. 365,718; Mar. 14; Serial No. 412,544; published Jan. 3, 1939. Class 38.

Daily Mirror, Inc., New York, N. Y. Newspaper section. 365,591; Mar. 14; Serial No. 409,865; published Jan. 3, 1939. Class 38.

Davidson Enamel Products, Inc., Lima, Ohio. Building blocks or units faced with porcelain enamel steel. 365,642; Mar. 14; Serial No. 411,447; published Dec. 27, 1938. Class 12.

Davis, H. B., Company, The, Baltimore, Md. Paints, paint enamels, stains, etc. 365,701; Mar. 14; Serial No. 412,330; published Jan. 3, 1939. Class 16.

Deering Milliken & Co., Incorporated, New York, N. Y. Woolen piece goods. 365,595; Mar. 14; Serial No. 410,071; published Jan. 3, 1939. Class 42.

Desauniers Brothers, Vancouver, British Columbia, Canada. Mechanical signals and parts for said signal devices. 365,567; Mar. 14; Serial No. 407,171; published Jan. 3, 1939. Class 23.

Donovan Paint & Lacquer Company, Rochester, N. Y. Coating for shingles. 365,688; Mar. 14; Serial No. 412,175; published Jan. 3, 1939. Class 16.

Dornseif, Hugo, Radevormwald, near Remscheid, Germany. Skates and roller skates. 365,561; Mar. 14; Serial No. 406,214; published Jan. 3, 1939. Class 22.

Drake Bakeries Incorporated, Brooklyn, N. Y. Cakes, macaroons, doughnuts, etc. 365,573; Mar. 14; Serial No. 407,794; published Jan. 3, 1939. Class 46.

Dry-Molasses Feed Co., Inc., Chicago, Ill. Dry molasses feed concentrate. 365,765; Mar. 14. Class 46.

Dry-Zero Corporation, Chicago, Ill. Ferrous metal shapes and sheets. 365,622; Mar. 14; Serial No. 411,156; published Jan. 3, 1939. Class 14.

Dyber Oil Co., New York, N. Y. Vegetable and salad oils. 365,574; Mar. 14; Serial No. 407,931; published Jan. 3, 1939. Class 46.

Eastern Rolling Mill Company, The, Baltimore, Md. Sheet tin. 365,526; Mar. 14; Serial No. 392,092; published Jan. 3, 1939. Class 14.

Economy Faucet Co., Newark, N. J. Faucets and valves for dispensing beverages. 365,565; Mar. 14; Serial No. 406,837; published Dec. 27, 1938. Class 13.

Edwin, Leonard R., et al. (See House of Westminster, Ltd., assignor.)

Elanbee Sales Co. Inc., New York, N. Y. Ladies' handbags. 365,719; Mar. 14; Serial No. 412,547; published Jan. 3, 1939. Class 3.

Elder and Johnston Company, The, Dayton, Ohio. Women's and girls' hats. 365,521; Mar. 14; Serial No. 379,685; published Dec. 6, 1938. Class 39.

Electrene Products Company. (See Willey, Rudolph F.)

Electric Soldering Iron Co., Inc., Deep River, Conn. Electric appliances. 365,645; Mar. 14; Serial No. 411,490; published Jan. 3, 1939. Class 21.

Famous-Sternberg, Inc., New Orleans, La. Suits and pants of linen, etc., and shirts. 365,614; Mar. 14; Serial No. 410,780; published Dec. 20, 1938. Class 39.

Farnsworth, Daniel W., New York, N. Y. Woolen and worsted piece goods. 365,753; Mar. 14. Class 42.

Federal Bearings Co., Inc., The, Poughkeepsie, N. Y. Antifriction bearings. 365,611; Mar. 14; Serial No. 410,725; published Jan. 3, 1939. Class 23.

Fischer & Co., Inc., New York, N. Y. Ladies' silk pajamas and underwear. 365,665; Mar. 14; Serial No. 411,829; published Dec. 27, 1938. Class 39.

Fleming, Susan P., New York, N. Y. Pillows. 365,703; Mar. 14; Serial No. 412,412; published Jan. 3, 1939. Class 32.

Forbush Company, The, Pueblo, Colo. Fresh and frozen vegetables. 365,740; Mar. 14. Class 46.

Ford Motor Company, Dearborn, Mich. Automobiles. 365,583–5; Mar. 14; Serial Nos. 409,348–50; published Dec. 27, 1938. Class 19.

Forester, Floyd C., doing business as Independent Oil Co. of N. C., North Wilkesboro, N. C. Gasoline, motor oil, lubricating oils and greases, etc. 365,754; Mar. 14. Class 15.

Fortnum, John, Ltd., New York, N. Y. Tobacco pipes. 365,689; Mar. 14; Serial No. 412,178; published Jan. 3, 1939. Class 8.

Frances Emblems, Inc., New York, N. Y. Fabric applique emblems. 365,594; Mar. 14; Serial No. 410,026; published Dec. 27, 1938. Class 40.

Frank Wraps, Inc., New York, N. Y. Ladies' garments. 365,651; Mar. 14; Serial No. 411,586; published Dec. 27, 1938. Class 39.

Franklin Manufacturing Corporation, Norwood, Mass. Type used in hot gold stamping. 365,621; Mar. 14; Serial No. 411,121; published Jan. 3, 1939. Class 14.

Freydberg Bros., Inc., Stamford, Conn. Cords and strands of rubber hydrohalide. 365,602; Mar. 14; Serial No. 410,429; published Jan. 3, 1939. Class 7.

Fromader, Edward A., doing business as Fromader Movie Service, Davenport, Iowa. Photographic motion picture films. 365,649; Mar. 14; Serial No. 411,527; published Jan. 3, 1939. Class 26.

Funk, Edward J., & Sons, Kentland, Ind. Hybrid seed corn. 365,575; Mar. 14; Serial No. 408,098; published Jan. 3, 1939. Class 1.

Gans, Kurt, New York, N. Y. Trade publication. 365,678; Mar. 14; Serial No. 412,029; published Dec. 27, 1938. Class 38.

Gardner, Allyn, Company, The, Baltimore, Md. Metal baking pans. 365,620; Mar. 14; Serial No. 411,073; published Dec. 27, 1938. Class 13.

Geist, Irving, New York, N. Y. Blouses and dresses. 365,646; Mar. 14; Serial No. 411,495; published Dec. 27, 1938. Class 39.

Glemby Company, Inc., The, New York, N. Y. Hair curlers and wavers. 365,745; Mar. 14. Class 40.

Glovecraft, Inc., Johnstown, N. Y. Gloves. 365,771; Mar. 14. Class 39.

Goodall Worsted Company, Sanford, Maine. Piece goods. 365,763; Mar. 14. Class 42.

Goodcraft Garment Co. (See Cohen, Meyer.)

Goodlmate Company, The, Philadelphia, Pa. Men's suits and coats. 365,724; Mar. 14; Serial No. 412,634; published Jan. 3, 1939. Class 39.

Graef-Cowen Corporation, Allentown, Pa. Fly ribbons. 365,557; Mar. 14; Serial No. 405,116; published Jan. 3, 1939. Class 50.

Graham Paper Company, St. Louis, Mo. Printers' papers and wrapping paper. 365,623; Mar. 14; Serial No. 411,162; published Jan. 3, 1939. Class 37.

Grant, W. T., Company, New York, N. Y. Doll clothes. 365,706; Mar. 14; Serial No. 412,450; published Jan. 3, 1939. Class 22.

Greig, Lawrence & Hoyt, Ltd., New York, N. Y. Scotch whiskey. 365,775; Mar. 14. Class 49.

Gustin-Bacon Manufacturing Co., Kansas City, Mo. Portable refrigerators. 365,731; Mar. 14; Serial No. 412,704; published Jan. 3, 1939. Class 31.

Hanafee, Frank J., New York, N. Y. Frozen confections. 365,699; Mar. 14; Serial No. 412,295; published Jan. 3, 1939. Class 46.

Hanson, Henry L., Worcester, Mass. Taps, threading dies, hacksaw frames, etc. 365,739; Mar. 14. Class 23.

Hay, Dorothea S., New York, N. Y. Shirts, dresses, caps, scarfs, etc. 365,564; Mar. 14; Serial No. 406,586; published Dec. 20, 1938. Class 39.

Hills, Russell B., doing business as Michigan Pop Corn Company, Grand Rapids, Mich. Canned and bagged popped corn. 365,578; Mar. 14; Serial No. 408,501; published Oct. 25, 1938. Class 46.

House of Westminster, Ltd., assignor to Leonard R. Edwin and Jules M. Cole, co-partners doing business under the firm name of Rum & Maple Tobacco Company, New York, N. Y. Pipe tobacco. 365,749; Mar. 14. Class 17.

Huth & James Shoe Co. (See Mid-States Shoe Co.)

Ilford, Limited, Ilford, England. Photographic paper. 365,606; Mar. 14; Serial No. 410,508; published Jan. 3, 1939. Class 26.

Independent Oil Co. of N. C. (See F. C. Forester.)

International Metal Polish Co., Inc., Indianapolis, Ind. Chromium polish, stove polish, reflector polish, etc. 365,554; Mar. 14; Serial No. 404,762; published Jan. 3, 1939. Class 4.

International Silver Company, Meriden, Conn. Silverplated flatware. 365,722; Mar. 14; Serial No. 412,605; published Jan. 3, 1939. Class 28.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 365,682; Mar. 14; Serial No. 412,099; published Dec. 20, 1938. Class 39.

Jacobs, Harry L., New York, N. Y. Trading stamps. 365,612; Mar. 14; Serial No. 410,737; published Dec. 27, 1938. Class 38.

Jones Manufacturing Company, Richmond, Va. Cleaning compound. 365,589; Mar. 14; Serial No. 409,754; published Jan. 3, 1939. Class 4.

Jones Publishing Corporation, New York, N. Y. Publications. 365,666; Mar. 14; Serial No. 411,834; published Jan. 3, 1939. Class 38.

Keasbey & Mattison Company, Ambler, Pa. Asbestos-cement, boards, sheets, lumber, etc. 365,563; Mar. 14; Serial No. 406,554; published Jan. 3, 1939. Class 12.

Knebel, Mark, New York, N. Y. Blouses and dresses. 365,643; Mar. 14; Serial No. 411,479; published Jan. 3, 1939. Class 39.

Knott, Wm. T., Company, Inc., New York, N. Y. Slips. 365,634; Mar. 14; Serial No. 411,378; published Jan. 3, 1939. Class 39.

Kress, S. H., and Company, New York, N. Y. Plastic wood. 365,683; Mar. 14; Serial No. 412,106; published Dec. 27, 1938. Class 12.

Ladie Lassie Frock Co. (See Schwartz, Isidor.)

Lake Shore Marketing and Merchandising Co., Inc., assignor to P. M. Cooter, doing business as Cooter Brokerage Company, Chicago, Ill. Periodical publication. 365,527; Mar. 14; Serial No. 392,216; published Dec. 13, 1938. Class 38.

Lambert, Irvin, doing business as Lambert Natural Health Foods, New York, N. Y. Vegetable macerates of parsley, carrot, spinach, etc. 365,545; Mar. 14; Serial No. 402,780; published Jan. 3, 1939. Class 46.

Larus & Brother Co. Inc., also doing business as Sparrow & Gravely Branch, Larus & Brother Co. Inc., Richmond, Va. Plug and smoking tobacco, and cigarettes. 365,714; Mar. 14; Serial No. 412,508; published Jan. 3, 1939. Class 17.

Laymon, H. B., doing business as World's Products Company, Spencer, Ind. Spring metal hair pins. 365,596; Mar. 14; Serial No. 410,184; published Dec. 27, 1938. Class 40.

Lazar, J. A., doing business as American Publishing Association, Philadelphia, Pa. Periodical. 365,652; Mar. 14; Serial No. 411,609; published Jan. 3, 1939. Class 38.

Lesco Ltd., New York, N. Y. Ladies' handbags. 365,734; Mar. 14; Serial No. 412,819; published Jan. 3, 1939. Class 3.

Lieberman, Kolbert, Inc., New York, N. Y. Coats, suits, and dresses. 365,541; Mar. 14; Serial No. 400,419; published Dec. 27, 1938. Class 39.

Livingston & Lieberman, New York, N. Y. Blouses and shirts. 365,540; Mar. 14; Serial No. 399,933; published Jan. 3, 1939. Class 39.

Loblaw Groceterias, Inc., Buffalo, N. Y. Beverages. 365,690; Mar. 14; Serial No. 412,193; published Jan. 3, 1939. Class 45.

Lone Ranger, Inc., The, Detroit, Mich. Cartoon series. 365,670; Mar. 14; Serial No. 411,874; published Dec. 27, 1938. Class 38.

Loom-Tex Corporation, New York, N. Y. Ladies' underwear. 365,580; Mar. 14; Serial No. 408,805; published Sept. 27, 1938. Class 39.

Los Angeles Knitting Mills, Ltd., Hollydale, Calif. Garments of wool fabric. 365,593; Mar. 14; Serial No. 410,000; published Dec. 20, 1938. Class 39.

MacClatchie Manufacturing Company of California, Compton, Calif. Plug valves. 365,674; Mar. 14; Serial No. 411,958; published Dec. 27, 1938. Class 13.

Mackintosh, John, & Sons Ltd., Inc., Boston, Mass. Candy. 365,725; Mar. 14; Serial No. 412,650; published Jan. 3, 1939. Class 46.

Margolin, Meyer, Elgin, Ill. Shoes. 365,568; Mar. 14; Serial No. 407,191; published Nov. 22, 1938. Class 39.

Marshall Field & Company, Chicago, Ill. Hosiery. 365,635–6; Mar. 14; Serial Nos. 411,407–8; published Dec. 27, 1938. Class 39.

Maryland Distillery, Inc., assignor to The Calvert Distilling Co., Relay, Md. Whiskey. 365,528; Mar. 14; Serial No. 392,647; published Aug. 3, 1937. Class 49.

Mason-Neilan Regulator Company, Boston, Mass. Lubricating controllers, recording controllers, and charts and accessories therefor. 365,562; Mar. 14; Serial No. 406,520; published Jan. 3, 1939. Class 26.

May Department Stores Company, The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Denver, Colo.; St. Louis, Mo.; and Los Angeles, Calif. Golf clubs. 365,655; Mar. 14; Serial No. 411,746; published Jan. 3, 1939. Class 22.

McDonald, George W., doing business as National Benevolent Company, Tulsa, Okla. Stamps of the nature to be fixed in albums. 365,542; Mar. 14; Serial No. 400,981; published July 26, 1938. Class 38.

Merchants Distilling Corporation, Terre Haute, Ind. Whiskey. 365,605; Mar. 14; Serial No. 410,492; published Jan. 3, 1939. Class 49.

Michigan Pop Corn Company. (See Hills, Russell B.)

Mid-States Shoe Co., doing business as Huth & James Shoe Co., assignor to Huth & James Shoe Co., Milwaukee, Wis. Women's shoes. 365,741; Mar. 14. Class 39.

Midwest Orchard Service, Inc., Rock Island, Ill. Hard cider. 365,600; Mar. 14; Serial No. 410,369; published Dec. 27, 1938. Class 45.

Mineralogist Publishing Company, The, Portland, Oreg. Periodical publication. 365,657; Mar. 14; Serial No. 411,789; published Jan. 3, 1939. Class 38.

Modern Curtain Co. Inc., Boston, Mass. Window curtains. 365,747; Mar. 14. Class 42.

Morley, I. & R., Ltd., London, England. Hosiery. 365,566; Mar. 14; Serial No. 406,984; published Dec. 27, 1938. Class 39.

Mosesson, Benjamin D., New York, N. Y. Belts, suspenders, and garters. 365,579; Mar. 14; Serial No. 408,726; published Dec. 27, 1938. Class 39.

Mottweiler, Oliver F., Alexandria, Ind. Thermal insulating material. 365,537; Mar. 14; Serial No. 399,104; published Nov. 22, 1938. Class 12.

Mystoplane Company, Inc., New York, N. Y. Toy aeroplanes. 365,726; Mar. 14; Serial No. 412,656; published Jan. 3, 1939. Class 22.

National Benevolent Company. (See McDonald, George W.)

National Cellulose Corporation, New York, N. Y. Chemically treated paper tissues. 365,720; Mar. 14; Serial No. 412,557; published Jan. 3, 1939. Class 37.

National Dress Company, St. Louis, Mo. Dresses. 365,628; Mar. 14; Serial No. 411,278; published Dec. 20, 1938. Class 39.

National Electric Products Corporation, Pittsburgh, Pa. Insulated electrical conductors, and cables, ducts, etc. 365,707; Mar. 14; Serial No. 412,457; published Jan. 3, 1939. Class 21.

Nemanick, R. A., Salinas, Calif. Fresh vegetables and deciduous fruits. 365,675; Mar. 14; Serial No. 411,961; published Jan. 3, 1939. Class 46.

Nichiman Ama Boshoku Kabushiki Kaisha, Tokyo, Japan. Hemp piece goods. 365,658; Mar. 14; Serial No. 411,791; published Jan. 3, 1939. Class 42.

Noggle, S. W., doing business as The S. W. Noggle Company, Kansas City, Mo. Ice cream bar coating, sherbet stabilizer, etc. 365,532; Mar. 14; Serial No. 396,199; published Jan. 3, 1939. Class 46.

Northwestern Mail Box Company, St. Louis, Mo. Musical toys. 365,727; Mar. 14; Serial No. 412,661; published Jan. 3, 1939. Class 22.

Novitiate of Los Gatos, Los Gatos, Calif. Wines. 365,764; Mar. 14. Class 47.

Office Engineers, Ltd., San Francisco, Calif. Copy holders. 365,627; Mar. 14; Serial No. 411,240; published Jan. 3, 1939. Class 37.

Old Ben Coal Corporation, Chicago, Ill. Coal. 365,708–9; Mar. 14; Serial Nos. 412,458–9; published Jan. 3, 1939. Class 1.

Old Monk Olive Oil Co., Chicago, Ill. Salad dressing. 365,761; Mar. 14. Class 46.

Omaha Cold Storage Company, Omaha, Nebr. Dressed poultry. 365,742; Mar. 14. Class 46.

Oriental Rouge Co., Inc., Bridgeport, Conn. Polishing compound. 365,684; Mar. 14; Serial No. 412,112; published Jan. 3, 1939. Class 4.

Packard Dresses, Inc., New York, N. Y. Dresses and dress ensembles. 365,650; Mar. 14; Serial No. 411,543; published Jan. 3, 1939. Class 39.

Paper Service Company, The, Lockland, Ohio. Imitation leather, cloth and upholstering material. 365,592; Mar. 14; Serial No. 409,933; published Jan. 3, 1939. Class 50.

Pawtucket Standard Braid Company. (See Andrews, Augusto J.)

Penick & Ford, Ltd. Incorporated, New York, N. Y. Corn gluten feed, corn oil cake meal, and corn gluten meal. 365,768; Mar. 14. Class 46.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Trousers. 365,631; Mar. 14; Serial No. 411,310; published Dec. 20, 1938. Class 39.

Permatex Company, Inc., Brooklyn, N. Y. Lubricating oil. 365,534; Mar. 14; Serial No. 398,170; published Aug. 16, 1938. Class 15.

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. 365,767; Mar. 14. Class 49.

Pierce-Arrow Motor Corporation, Buffalo, N. Y. Trailers. 365,523; Mar. 14; Serial No. 383,480; published Dec. 22, 1938. Class 19.

Pincus Bros., Inc., Philadelphia, Pa. Suits, coats, vests, etc. 365,638; Mar. 14; Serial No. 411,432; published Dec. 20, 1938. Class 39.

Plibrico Jointless Firebrick Company, Chicago, Ill. Plastic heat insulating material. 365,659; Mar. 14; Serial No. 411,792; published Dec. 27, 1938. Class 12.

Point Adams Packing Co., Hammond, Oreg. Canned salmon. 365,728; Mar. 14; Serial No. 412,665; published Jan. 3, 1939. Class 46.

Popular Pen & Pencil Co., The, Cleveland, Ohio. Index pads. 365,696; Mar. 14; Serial No. 412,267; published Jan. 3, 1939. Class 37.

Port Morris Machine & Tool Works, New York, N. Y. Refrigerating apparatus. 365,531; Mar. 14; Serial No. 394,097; published Jan. 3, 1939. Class 31.

Public Ledger, Inc., Philadelphia, Pa. Newspaper articles. 365,616; Mar. 14; Serial No. 410,923; published Dec. 27, 1938. Class 38.

Rayburn, G. B. and H. E., Los Angeles, Calif. Fishing lure. 365,729; Mar. 14; Serial No. 412,666; published Jan. 3, 1939. Class 22.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resin. 365,618; Mar. 14; Serial No. 410,978; published Jan. 3, 1939. Class 16.

Reynolds Preserving Company, The, Sturgeon Bay, Wis. Canned cherries. 365,744; Mar. 14. Class 46.

Rhinelander Paper Company, Rhinelander, Wis. Waxed wrapping paper. 365,721; Mar. 14; Serial No. 412,560; published Jan. 3, 1939. Class 37.

Robertson, H. H., Company, Pittsburgh, Pa. Building cement. 365,535; Mar. 14; Serial No. 398,491; published Dec. 27, 1938. Class 12.

RoC Chemical Concern. (See Willey, Rudolph F.)

Rum & Maple Tobacco Company. (See House of Westminster, Ltd.)

Runkle, Paul, York, Pa. Mattresses. 365,736; Mar. 14; Serial No. 412,874; published Jan. 3, 1939. Class 32.

S & K Sales Co., San Francisco, Calif. Combs and holders therefor. 365,581; Mar. 14; Serial No. 408,932; published Nov. 29, 1938. Class 40.

Sacks, Joseph A., doing business as Daisy Whitehead Knitting Co., New York, N. Y. Hosiery. 365,615; Mar. 14; Serial No. 410,889; published Dec. 27, 1938. Class 39.

Sam's Cut Rate, Inc., Detroit, Mich. Men's and boys' underwear, shirts, and pajamas. 365,555; Mar. 14; Serial No. 404,908; published Dec. 20, 1938. Class 39.

Schwarts, Isidor, doing business as Ladie Lassie Frock Co., New York, N. Y. Dresses, frocks, and house coats. 365,536; Mar. 14; Serial No. 398,689; published Dec. 27, 1938. Class 39.

Scoville, Brown & Company, Wellsville, N. Y. Matches. 365,715; Mar. 14; Serial No. 412,526; published Jan. 3, 1939. Class 9.

Sears, Roebuck and Co., Chicago, Ill. Children's underwear. 365,522; Mar. 14; Serial No. 380,079; published Dec. 20, 1938. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Overalls. 365,533; Mar. 14; Serial No. 398,064; published Dec. 27, 1938. Class 39.

Selany, Guilo, Brooklyn, N. Y. Carbonated beverages. 365,691; Mar. 14; Serial No. 412,201; published Jan. 3, 1939. Class 45.

Seminole Paper Corporation, New York, N. Y. Cleansing tissues. 365,637; Mar. 14; Serial No. 411,428; published Jan. 3, 1939. Class 37.

Shakespeare Company, Kalamazoo, Mich. Fishing tackle. 365,746; Mar. 14. Class 22.

Shellmar Products Company, Chicago, Ill. Transparent wrappers. 365,550; Mar. 14; Serial No. 403,885; published Jan. 3, 1939. Class 37.

Siegel, Jacob, Company, Philadelphia, Pa. Men's topcoats and overcoats. 365,732; Mar. 14; Serial No. 412,733; published Jan. 3, 1939. Class 39.

Silbernagel & Company, Pine Bluff, Ark. Wheat flour. 365,607; Mar. 14; Serial No. 410,661; published Jan. 3, 1939. Class 46.

Silbernagel & Company, Pine Bluff, Ark. Wheat flour. 365,608; Mar. 14; Serial No. 410,663; published Jan. 3, 1939. Class 46.

Société Anonyme, SVP, Paris, France. News bulletin, a publication, and a periodical. 365,538; Mar. 14; Serial No. 399,207; published Dec. 27, 1938. Class 38.

Society of Former Special Agents of the Federal Bureau of Investigation Inc., New York, N. Y. Periodical. 365,661; Mar. 14; Serial No. 411,799; published Dec. 27, 1938. Class 38.

Sparrow & Gravely Branch, Larus & Brother Co. Inc. (See Larus & Brother Co. Inc.)

Spilker, Dorfmont & Kravitz, St. Louis, Mo. Dresses, coats, and suits. 365,577; Mar. 14; Serial No. 408,172; published Dec. 20, 1938. Class 39.

Spool Cotton Company, The, New York, N. Y. News bulletin. 365,692; Mar. 14; Serial No. 412,233; published Dec. 27, 1938. Class 38.

Stuley, A. E., Manufacturing Company, Decatur, Ill. Table syrup. 365,654; Mar. 14; Serial No. 411,719; published Jan. 3, 1939. Class 46.

Standard Wholesale Grocery Co., Chicago, Ill. Canned fruits, vegetables, fish, etc. 365,738; Mar. 14. Class 46.

Steiner-Liberty Corporation, Baltimore, Md. Garments, pajamas, nightshirts, and underwear. 365,551; Mar. 14; Serial No. 403,970; published Dec. 27, 1938. Class 39.

Sterling Sweeper Company, Holland, Mich. Carpet sweepers. 365,710; Mar. 14; Serial No. 412,471; published Jan. 3, 1939. Class 23.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Piece goods. 365,629; Mar. 14; Serial No. 411,287; published Jan. 3, 1939. Class 42.

Stowaway Boat Company, Long Island City, N. Y. Folding boats. 365,671; Mar. 14; Serial No. 411,913; published Dec. 27, 1938. Class 19.

Style Trades, Inc., New York, N. Y. Dresses. 365,543; Mar. 14; Serial No. 402,579; published Dec. 20, 1938. Class 39.

Sunset Sweet Potato Growers Association, Sunset, La. Fresh vegetables. 365,755; Mar. 14. Class 46.

Superior Brands Inc., New York, N. Y. Flours. 365,613; Mar. 14; Serial No. 410,756; published Jan. 3, 1939. Class 46.

Superior Switchboard & Devices Co., The, Canton, Ohio. Glass panes for closures for electric meters. 365,653; Mar. 14; Serial No. 411,617; published Jan. 3, 1939. Class 33.

Sweet's Steel Company, Williamsport, Pa. Steel rails, cross ties, mine ties, etc. 365,676; Mar. 14; Serial No. 412,011; published Jan. 3, 1939. Class 14.

Swirls, Inc., Newark, N. J. Carbonated beverages. 365,679; Mar. 14; Serial No. 412,049; published Jan. 3, 1939. Class 45.

Swirls, Inc., Newark, N. J. Carbonated beverages. 365,680–1; Mar. 14; Serial Nos. 412,051–2; published Jan. 3, 1939. Class 45.

Synthetic Nitrogen Products Corporation, New York, N. Y. Fertilizers. 365,735; Mar. 14; Serial No. 412,832; published Jan. 3, 1939. Class 10.

Tide Water Associated Oil Company, New York, N. Y. Gasoline, lubricating oils and greases. 365,685; Mar. 14; Serial No. 412,118; published Dec. 27, 1938. Class 15.

Toledo Glove Manufacturing Company, The, Toledo, Ohio. Gloves and gauntlets. 365,750; Mar. 14. Class 39.

Ton-Tex Corporation, Grand Rapids, Mich. Belting. 365,756; Mar. 14. Class 35.

Torrey, Thomas F., Lynchburg, Va. Spot remover. 365,599; Mar. 14; Serial No. 410,344; published Jan. 3, 1939. Class 4.

Trabert & Hoeffer Inc., New York, N. Y. Sapphires and precious stones. 365,647; Mar. 14; Serial No. 411,512; published Jan. 3, 1939. Class 28.

Traders Oil Mill Company, Fort Worth, Tex. Vegetable flour for use in the preparation of certain road materials. 365,686; Mar. 14; Serial No. 412,122; published Jan. 3, 1939. Class 12.

Trist, Ronald, & Co. Limited, London, England. Packing and jointing. 365,660; Mar. 14; Serial No. 411,796; published Jan. 3, 1939. Class 35.

Twentieth-Century Frocks, Los Angeles, Calif. Frocks. 365,662; Mar. 14; Serial No. 411,801; published Dec. 27, 1938. Class 39.

Ultra Violet Products Incorporated, Los Angeles, Calif. Ultra violet transmitting tubes for bactericidal sterilization. 365,597; Mar. 14; Serial No. 410,195; published Jan. 3, 1939. Class 21.

United Cigar-Whelan Stores Corporation, New York, N. Y. Tooth brushes. 365,716; Mar. 14; Serial No. 412,530; published Jan. 3, 1939. Class 20.

United Distillers (of America), Ltd., Baltimore, Md. Gin, rum, whiskey, etc. 365,757–60; Mar. 14. Class 49.

Van Zale Electric Company, Bay City, Mich. Pressure actuated electric bell drive way signals. 365,770; Mar. 14. Class 21.

Vicent, Jose de M., Mexico, D. F., Mexico. Coffee liqueur. 365,610; Mar. 14; Serial No. 410,723; published Jan. 3, 1939. Class 49.

Vidrio Products Corporation, Chicago, Ill. Electric laundry washing machines. 365,672; Mar. 14; Serial No. 411,920; published Jan. 3, 1939. Class 24.

Virgin Islands Cooperative, Inc., The, St. Thomas, Virgin Islands. Jams, jellies, fruit preserves, etc. 365,619; Mar. 14; Serial No. 411,063; published Jan. 3, 1939. Class 46.

Wald, Ross, Inc., New York, N. Y. Men's soft felt hats. 365,547; Mar. 14; Serial No. 402,960; published June 7, 1938. Class 39.

Wamsutta Mills, New Bedford, Mass. Cotton piece goods and sheets and pillow cases. 365,663; Mar. 14; Serial No. 411,804; published Jan. 3, 1939. Class 42.

Wamsutta Mills, New Bedford, Mass. Dresses, outer shirts, shorts, etc. 365,664; Mar. 14; Serial No. 411,805; published Dec. 27, 1938. Class 39.

Washburn Brothers Company, Glasco, N. Y. Bricks. 365,677; Mar. 14; Serial No. 412,016; published Dec. 27, 1938. Class 12.

Wathen, John A., Distillery Company, Inc., Lebanon and Louisville, Ky. Whiskey. 365,656; Mar. 14; Serial No. 411,760; published Jan. 3, 1939. Class 49.

Weil, H., & Brothers, doing business as Weil's Fertilizer Works, Goldsboro, N. C. Fertilizer. 365,667–8; Mar. 14; Serial Nos. 411,845–6; published Jan. 3, 1939. Class 10.

Western Fruit Growers, Inc., Los Angeles, Calif. Fresh citrus and deciduous fruit, vegetables, melons, etc. 365,769; Mar. 14. Class 46.

Whitehead, Daisy, Knitting Co. (See Sacks, Joseph A.)

Wilken Family, Incorporated, The, New York, N. Y.; Lawrenceburg, Ind.; and Aladdin, Pa. Whiskey, brandy, gin, etc. 365,571–2; Mar. 14; Serial Nos. 407,574–5; published Jan. 3, 1939. Class 49.

Wilkinson, Edwards G., Naples, Fla. Mangoes. 365,772; Mar. 14. Class 46.

Willey, Rudolph F., doing business as RoC Chemical Concern and Electrene Products Company, Council Bluffs, Iowa. General cleaning compound. 365,569; Mar. 14; Serial No. 407,452; published Jan. 3, 1939. Class 4.

Williams Company, The, London, Ohio. Steel wool pads for floor surfacing operations. 365,604; Mar. 14; Serial No. 410,490; published Jan. 3, 1939. Class 4.

Wollman Fabrics Corporation, New York, N. Y. Silks, rayons, and cottons and combinations thereof in the piece. 365,648; Mar. 14; Serial No. 411,515; published Jan. 3, 1939. Class 42.

Wolverine Knitting Mills, Bay City, Mich. Underwear and garments. 365,588; Mar. 14; Serial No. 409,664; published Dec. 20, 1938. Class 39.

Woodings-Verona Tool Works, Verona, Pa. Spring washers. 365,693; Mar. 14; Serial No. 412,242; published Dec. 27, 1938. Class 13.

World's Products Company. (See Laymon, H. B.)

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 365,549; Mar. 14; Serial No. 403,486; published Jan. 3, 1939. Class 21.

Zink, William J., Downey, Calif. Gasoline. 365,546; Mar. 14; Serial No. 402,836; published Jan. 3, 1939. Class 15.

LIST OF REGISTRANTS OF LABELS

Brilliant, Samuel, & Co., Boston, Mass. Ground Gainer Shoe. For Boxes. 52,626; Mar. 14.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Wings. For Cigarettes. 52,627; Mar. 14.

Claf, M. B., & Sons, Inc., Randolph and Brockton, Mass. Hill's Health Shoes. For Shoes. 52,628; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Thomas Styled "Shoes You'll Like". For Shoes. 52,629; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Smart Shoes. For Shoes. 52,630; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass, Southern Shoe Stores. For Shoes. 52,631; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Arch Accent Shoes. For Shoes. 52,632; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Butler & Kemp—Shoes You'll Like. For Shoes. 52,633; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Rockwood Shoes. For Shoes. 52,634; Mar. 14.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Richards Arcade Shoes. For Shoes. 52,635; Mar. 14.

Cream of Wheat Corporation, The, Minneapolis, Minn. Cream of Wheat. For Wheat Breakfast Food. 52,636; Mar. 14.

Daggett Chocolate Company, Cambridge, Mass. Nuts, Fruits and Creams. For Chocolates. 52,637; Mar. 14.

Davies County Distilling Company, Inc., The, Owensboro, Ky. Old Medley. For Kentucky Straight Bourbon Whiskey. 52,639; Mar. 14.

De Bary, M. F., Newton Center, Mass. Bachelor Blend. For Tobacco. 52,638; Mar. 14.

E & Z Candy Company, Detroit, Mich. Wonder Bar. For Chocolate and Cocoanut Bars. 52,640; Mar. 14.

General Mills, Inc., Minneapolis, Minn. Sperry Wheat Hearts. For Cereal Breakfast Food. 52,641–2; Mar. 14.

General Mills Inc., Minneapolis, Minn. Sperry Pancake and Waffle Flour. For Pancake and Waffle Flour. 52,643–4; Mar. 14.

Gopher State Canneries, Inc., Le Sueur, Minn. Trellis. For Canned Peas. 52,645; Mar. 14.

Grocers Baking Company, Incorporated, Louisville, Ky. Honey-Krust. For Bread. 52,646; Mar. 14.

Heileman Brewing Co., La Crosse, Wis. Heileman's Old Style Lager. For Lager Beer. 52,647; Mar. 14.

Heileman, G., Brewing Co., La Crosse, Wis. Heileman's Beer Old Style Lager. For Lager Beer. 52,648; Mar. 14.

Kemp, E. F., Inc., Somerville, Mass. Kemp's Mixed Nut Crisp. For Mixed Nut Crisp. 52,649; Mar. 14.

Macklanburg-Duncan Company, Oklahoma City, Okla. Nu Glaze. For a Glazing Compound. 52,650; Mar. 14.

Menasha Products Company, Menasha, Wis. Highland Dairy Ice Cream. For Ice Cream. 52,651; Mar. 14.

Page & Shaw Inc., Cambridge, Mass. Nuts & Chews. For Candy. 52,652; Mar. 14.

Palmer, Samuel C., Co., Inc., Washington, D. C. Palmer. For Old English Style Root Beer. 52,653; Mar. 14.

Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno De Luxe Krakers. For Crackers. 52,654; Mar. 14.

Skinner, Lloyd M., doing business as The Skinner Manufacturing Company, Omaha, Nebr. Raisin-Bran. For a Breakfast Cereal. 52,655; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Lily of the Valley Apple Juice. For Canned Apple Juice. 52,656; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Lily of the Valley Tomato Juice. For Canned Tomato Juice. 52,657; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Snider Garden Spinach. For Canned Spinach. 52,658; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Lily of the Valley Sweet Garden Peas. For Canned Peas. 52,659; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Snider Pitted Red Cherries—Water Pack. For Canned Cherries. 52,660; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Snider Apple Sauce. For Canned Apple Sauce. 52,661; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Snider Golden Pumpkin. For Canned Pumpkin. 52,662; Mar. 14.

Snider Packing Corporation, Rochester, N. Y. Snider Selected Sliced Garden Beets. For Canned Sliced Beets. 52,663; Mar. 14.

United Paper Company, Braintree and East Braintree, Mass. Tytecote. For Rapid Grip Tape. 52,664; Mar. 14.

LIST OF REGISTRANTS OF PRINTS

General Mills, Inc., Minneapolis, Minn. $10,002 in Cash Prizes—for Naming Baking Subjects in the Sacks of Gold Medal Flour! For Flour. 17,270; Mar. 14.

General Mills, Inc., Minneapolis, Minn. Utterly New Hot Cereal Takes Denver by Storm. For Cereal Food. 17,271; Mar. 14.

General Mills, Inc., Minneapolis, Minn. Free at Your Grocer's . . . an Exquisite, "Carnival-Ware" Milk & Cream Pitcher. For Cereal Food. 17,272; Mar. 14.

General Mills, Inc., Minneapolis, Minn. This Big Package of Corn Kix for 1¢. For Cereal Food. 17,273; Mar. 14.

Indian Checkers Co. (See Newlin, Thomas J.)

Maxis Clothes Shop. (See Rosenfeld, Max.)

Musebeck Shoe Company, Danville, Ill. Health Spot Shoes Support—Balance and Equalize the Weight of Your Body in Your Feet, Every Nerve of Your Body is Connected with Your Feet, Weak—Inrolling Feet Press Upon Sensitive Nerve Centers in Your Feet. For Shoes. 17,274; Mar. 14.

Newlin, Thomas J., doing business as Indian Checkers Co., Los Angeles, Calif. Indian Checkers Board Showing Layout of Characterized Checkers All Set for Playing 13 Games in 1. For a Game. 17,275; Mar. 14.

Rosenfeld, Max, doing business as Maxis Clothes Shop, Brooklyn, N. Y. Maxis. For Clothes. 17,276; Mar. 14.

Tasty Baking Company, Philadelphia, Pa. Champions. For Cup Cakes. 17,277; Mar. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Old Ben Coal Corporation. 365,708–9; Mar. 14; Serial Nos. 412,458–9; published Jan. 3, 1939.
Seed corn, Hybrid. Edward J. Funk & Sons. 365,575; Mar. 14; Serial No. 408,098; published Jan. 3, 1939.

CLASS 3

Handbags, Ladies'. Elanbee Sales Co, Inc. 365,719; Mar. 14; Serial No. 412,547; published Jan. 3, 1939.
Handbags, Ladies'. Lesco Ltd. 365,734; Mar. 14; Serial No. 412,819; published Jan. 3, 1939.

CLASS 4

Cleaning compound. Jones Manufacturing Company. 365,589; Mar. 14; Serial No. 409,754; published Jan. 3, 1939.
Cleaning compound, General. R. F. Willey. 365,569; Mar. 14; Serial No. 407,452; published Jan. 3, 1939.
Detergent, Alkaline. Cowles Detergent Company. 365,687; Mar. 14; Serial No. 412,174; published Jan. 3, 1939.
Polish, stove polish, silver polish, etc., Chromium. International Metal Polish Co. 365,554; Mar. 14; Serial No. 404,762; published Jan. 3, 1939.
Polishing compound. Oriental Rouge Co. 365,684; Mar. 14; Serial No. 412,112; published Jan. 3, 1939.
Spot remover. T. F. Torrey. 365,599; Mar. 14; Serial No. 410,344; published Jan. 3, 1939.
Steel wool pads for floor surfacing operations. Williams Company. 365,604; Mar. 14; Serial No. 410,490; published Jan. 3, 1939.

CLASS 7

Cords and strands of rubber hydrohalide. Freydberg Bros., Inc. 365,602; Mar. 14; Serial No. 410,429; published Jan. 3, 1939.

CLASS 8

Matches. Scoville, Brown & Company. 365,715; Mar. 14; Serial No. 412,526; published Jan. 3, 1939.
Pipes, Smoking. Bachmann Brothers, Inc. 365,712; Mar. 14; Serial No. 412,487; published Jan. 3, 1939.
Pipes, Tobacco. John Fortnum Ltd. 365,689; Mar. 14; Serial No. 412,178; published Jan. 3, 1939.

CLASS 10

Fertilizer. H. Weil & Brothers. 365,667–8; Mar. 14; Serial Nos. 411,845–6; published Jan. 3, 1939.
Fertilizers. Synthetic Nitrogen Products Corporation. 365,735; Mar. 14; Serial No. 412,832; published Jan. 3, 1939.

CLASS 11

Inks, Printing and lithographing. Associated Ink Company. 365,748; Mar. 14.

CLASS 12

Blocks or units faced with porcelain enamel steel, Building. Davidson Enamel Products, Inc. 365,642; Mar. 14; Serial No. 411,447; published Dec. 27, 1938.
Boards, sheets, lumber, etc., Asbestos-cement. Keasbey & Mattison Company. 365,563; Mar. 14; Serial No. 406,554; published Jan. 3, 1939.
Bricks. Washburn Brothers Company. 365,677; Mar. 14; Serial No. 412,016; published Dec. 27, 1938.
Cement, Building. H. H. Robertson Company. 365,535; Mar. 14; Serial No. 398,491; published Dec. 27, 1938.
Flour for use in the preparation of certain road materials, Vegetable. Traders Oil Mill Company. 365,686; Mar. 14; Serial No. 412,122; published Jan. 3, 1939.
Insulating material, Plastic heat. Plibrico Jointless Firebrick Company. 365,659; Mar. 14; Serial No. 411,792; published Dec. 27, 1938.
Insulating material, Thermal. O. F. Mottweiler. 365,537; Mar. 14; Serial No. 399,104; published Nov. 22, 1938.
Lumber. California Redwood Association. 365,641; Mar. 14; Serial No. 411,446; published Dec. 6, 1938.
Roofing and shingles and siding. Certain-teed Products Corporation. 365,700; Mar. 14; Serial No. 412,329; published Jan. 3, 1939.
Wood, plastic. S. H. Kress and Company. 365,683; Mar. 14; Serial No. 412,106; published Dec. 27, 1938.

CLASS 13

Faucets and valves for dispensing beverages. Economy Faucet Co. 365,565; Mar. 14; Serial No. 406,637; published Dec. 27, 1938.
Pans, Metal baking. Allyn Gardner Company. 365,620; Mar. 14; Serial No. 411,073; published Dec. 27, 1938.
Valves, Plug. MacClatchie Manufacturing Company of California. 365,674; Mar. 14; Serial No. 411,958; published Dec. 27, 1938.
Washers, Spring. Woodings-Verona Tool Works. 365,693; Mar. 14; Serial No. 412,242; published Dec. 27, 1938.

CLASS 14

Metal shapes and sheets, Ferrous. Dry-Zero Corporation. 365,622; Mar. 14; Serial No. 411,156; published Jan. 3, 1939.
Rails, cross ties, mine ties, etc., Steel. Sweet's Steel Company. 365,676; Mar. 14; Serial No. 412,011; published Jan. 3, 1939.
Tin, Sheet. Eastern Rolling Mill Company. 365,526; Mar. 14; Serial No. 392,092; published Jan. 3, 1939.
Type used in hot gold stamping. Franklin Manufacturing Corporation. 365,621; Mar. 14; Serial No. 411,121; published Jan. 3, 1939.

CLASS 15

Gasoline. W. J. Zink. 365,546; Mar. 14; Serial No. 402,836; published Jan. 3, 1939.
Gasoline, lubricating oils and greases. Tide Water Associated Oil Company. 365,685; Mar. 14; Serial No. 412,118; published Dec. 27, 1938.
Gasoline, motor oil, lubricating oils and greases, etc. F. C. Forester. 365,754; Mar. 14.
Oil, Lubricating. Permatex Company. 365,534; Mar. 14; Serial No. 398,170; published Aug. 16, 1938.

CLASS 16

Coating for shingles. Donovan Paint & Lacquer Company. 365,688; Mar. 14; Serial No. 412,175; published Jan. 3, 1939.
Paints, paint enamels, stains, etc. H. B. Davis Company. 365,701; Mar. 14; Serial No. 412,330; published Jan. 3, 1939.
Resin, Synthetic. Reichhold Chemicals, Inc. 365,618; Mar. 14; Serial No. 410,978; published Jan. 3, 1939.

CLASS 17

Tobacco, and cigarettes, Plug and smoking. Larus & Brother Co. Inc. 365,714; Mar. 14; Serial No. 412,508; published Jan. 3, 1939.
Tobacco, Pipe. House of Westminster, Ltd. 365,749; Mar. 14.

CLASS 19

Automobiles. Crosley Radio Corporation. 365,711; Mar. 14; Serial No. 412,481; published Jan. 3, 1939.
Automobiles. Ford Motor Company. 365,583–5; Mar. 14; Serial Nos. 409,348–50; published Dec. 27, 1938.
Automobiles and their structural parts. Chrysler Corporation. 365,702; Mar. 14; Serial No. 412,373; published Jan. 3, 1939.
Boats, Folding. Stowaway Boat Company. 365,671; Mar. 14; Serial No. 411,913; published Dec. 27, 1938.
Rowboats and motor boats. H. Cohn. 365,624; Mar. 14; Serial No. 411,196; published Jan. 3, 1939.
Trailers. Pierce-Arrow Motor Corporation. 365,823; Mar. 11; Serial No. 383,480; published Dec. 22, 1938.

CLASS 21

Conductors and cables, ducts, etc., Insulated electrical. National Electric Products Corporation. 365,707; Mar. 14; Serial No. 412,457; published Jan. 3, 1939.
Electric appliances. Electric Soldering Iron Co. 365,645; Mar. 14; Serial No. 411,490; published Jan. 3, 1939.
Lighting fixtures, Electric. Artalier Company. 365,704; Mar. 14; Serial No. 412,428; published Jan. 3, 1939.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 365,549; Mar. 14; Serial No. 403,486; published Jan. 3, 1939.
Signals, Pressure actuated electric bell drive way. Van Zale Electric Company. 365,770; Mar. 14.
Ultra violet transmitting tubes for bactericidal sterilization. Ultra Violet Products Incorporated. 365,597; Mar. 14; Serial No. 410,195; published Jan. 3, 1939.

CLASS 22

Doll clothes. W. T. Grant Company. 365,706; Mar. 14; Serial No. 412,450; published Jan. 3, 1939.
Fishing lure. G. B. and H. E. Rayburn. 365,729; Mar. 14; Serial No. 412,666; published Jan. 3, 1939.
Fishing tackle. Shakespeare Company. 365,746; Mar. 14.
Golf clubs. May Department Stores Company. 365,655; Mar. 14; Serial No. 411,746; published Jan. 3, 1939.
Skates and roller skates. H. Dornseif. 365,561; Mar. 14; Serial No. 406,214; published Jan. 3, 1939.
Skates and wheels and repair parts therefor, Roller. Allied Engineering Company. 365,730; Mar. 14; Serial No. 412,688; published Jan. 3, 1939.
Toy aeroplanes. Mystoplane Company. 365,726; Mar. 14; Serial No. 412,656; published Jan. 3, 1939.
Toys, Musical. Northwestern Mail Box Company. 365,727; Mar. 14; Serial No. 412,661; published Jan. 3, 1939.

CLASS 23

Bearings, Antifriction. Federal Bearings Co. 365,611; Mar. 14; Serial No. 410,725; published Jan. 3, 1939.

Knitting machines. Cidega Machine Shop, Inc. 365,705; Mar. 14; Serial No. 412,439; published Jan. 3, 1939.
Rakes, Lawn. A. J. Bailie. 365,774; Mar. 14.
Signals and parts for said signal devices, Mechanical. Desaulniers Brothers. 365,567; Mar. 14; Serial No. 407,171; published Jan. 3, 1939.
Sweepers, Carpet. Sterling Sweeper Company. 365,710; Mar. 14; Serial No. 412,471; published Jan. 3, 1939.
Taps, threading dies, hacksaw frames, etc. H. L. Hanson. 365,739; Mar. 14.

CLASS 24

Washing machines, Electric laundry. Vidrio Products Corporation. 365,672; Mar. 14; Serial No. 411,920; published Jan. 3, 1939.

CLASS 26

Films, Photographic motion picture. E. A. Fromader. 365,649; Mar. 14; Serial No. 411,527; published Jan. 3, 1939.
Lubricating and recording controllers, and charts and accessories therefor. Mason-Neilan Regulator Company. 365,562; Mar. 14; Serial No. 406,520; published Jan. 3, 1939.
Photographic paper. Ilford, Limited. 365,606; Mar. 14; Serial No. 410,508; published Jan. 3, 1939.

CLASS 28

Flatware, Silver-plated. International Silver Company. 365,722; Mar. 14; Serial No. 412,605; published Jan. 3, 1939.
Jewelry. A and Z Chain Company. 365,539; Mar. 14; Serial No. 399,391; published Jan. 3, 1939.
Sapphires and precious stones. Trabert & Hoeffer Inc. 365,647; Mar. 14; Serial No. 411,512; published Jan. 3, 1939.

CLASS 29

Tooth brushes. United Cigar-Whelan Stores Corporation. 365,716; Mar. 14; Serial No. 412,530; published Jan. 3, 1939.

CLASS 30

Bowls, Ceramic. California Fruit Growers Exchange. 365,548; Mar. 11; Serial No. 403,160; published Dec. 27, 1938.

CLASS 31

Milk cooling machines, Ice making. Babson Bros. 365,762; Mar. 14.
Refrigerating apparatus. Port Morris Machine & Tool Works. 365,531; Mar. 14; Serial No. 394,097; published Jan. 3, 1939.
Refrigerators, Portable. Gustin-Bacon Manufacturing Co. 365,731; Mar. 14; Serial No. 412,704; published Jan. 3, 1939.

CLASS 32

Mattresses. P. Runkle. 365,736; Mar. 14; Serial No. 412,874; published Jan. 3, 1939.
Pillows. S. P. Fleming. 365,703; Mar. 14; Serial No. 412,412; published Jan. 3, 1939.
Sofas and chairs. B. Altman & Co. 365,737; Mar. 14; Serial No. 412,895; published Jan. 3, 1939.

CLASS 33

Glass panes for closures for electric meters. Superior Switchboard & Devices Co. 365,653; Mar. 14; Serial No. 411,617; published Jan. 3, 1939.
Glass tableware. Corning Glass Works. 365,553; Mar. 14; Serial No. 404,032; published Jan. 3, 1939.
Glassware, Heat resisting. Corning Glass Works. 365,552; Mar. 14; Serial No. 404,031; published Jan. 3, 1939.

CLASS 34

Ranges, Gas. Association of Gas Appliance and Equipment Manufacturers. 365,586; Mar. 14; Serial No. 409,552; published Jan. 3, 1939.

CLASS 35

Belting. Ton-Tex Corporation. 365,756; Mar. 14.
Packing and jointing. Ronald Trist & Co. Limited. 365,660; Mar. 14; Serial No. 411,796; published Jan. 3, 1939.

CLASS 37

Cards, Blank. S. C. Bayer. 365,601; Mar. 14; Serial No. 410,387; published Jan. 3, 1939.
Copy holders. Office Engineers, Ltd. 365,627; Mar. 14; Serial No. 411,240; published Jan. 3, 1939.
Index pads. Popular Pen & Pencil Co. 365,696; Mar. 14; Serial No. 412,267; published Jan. 3, 1939.
Paper and envelopes, Writing. Belnap and Thompson, Inc. 365,559; Mar. 14; Serial No. 405,684; published Jan. 3, 1939.
Paper, Poster. Bradner Smith & Company. 365,590; Mar. 14; Serial No. 409,760; published Jan. 3, 1939.
Paper, Waxed wrapping. Rhinelander Paper Company. 365,721; Mar. 14; Serial No. 412,560; published Jan. 3, 1939.
Paper, Writing. Brightwater Paper Company. 365,632–3; Mar. 14; Serial Nos. 411,331–2; published Jan. 3, 1939.
Papers and wrapping paper, Printers'. Graham Paper Company. 365,623; Mar. 14; Serial No. 411,162; published Jan. 3, 1939.
Tissues, Chemically treated paper. National Cellulose Corporation. 365,720; Mar. 14; Serial No. 412,557; published Jan. 3, 1939.
Tissues, Cleansing. Seminole Paper Corporation. 365,637; Mar. 14; Serial No. 411,428; published Jan. 3, 1939.
Wrappers, Transparent. Shellmar Products Company. 365,550; Mar. 14; Serial No. 403,885; published Jan. 3, 1939.

CLASS 38

Bulletin, a publication, and a periodical, News. Société Anonyme, SVP. 365,538; Mar. 14; Serial No. 399,207; published Dec. 27, 1938.
Cartoon series. Lone Ranger, Inc. 365,670; Mar. 14; Serial No. 411,874; published Dec. 27, 1938.
Magazine. Curtis Publishing Company. 365,718; Mar. 14; Serial No. 412,544; published Jan. 3, 1939.
Magazine, Illustrated. Belnap and Thompson, Inc. 365,558; Mar. 14; Serial No. 405,683; published Jan. 3, 1939.
News bulletin. Spool Cotton Company. 365,692; Mar. 14; Serial No. 412,233; published Dec. 27, 1938.
Newspaper articles. Public Ledger, Inc. 365,616; Mar. 14; Serial No. 410,923; published Dec. 27, 1938.
Newspaper section. Daily Mirror, Inc. 365,591; Mar. 14; Serial No. 409,865; published Jan. 3, 1939
Periodical. J. A. Lazar. 365,652; Mar. 14; Serial No. 411,609; published Jan. 3, 1939.
Periodical. Society of Former Special Agents of the Federal Bureau of Investigation Inc. 365,661; Mar. 14; Serial No. 411,799; published Dec. 27, 1938.
Publication, Periodical. Lake Shore Marketing and Merchandising Co. 365,527; Mar. 14; Serial No. 392,216; published Dec. 13, 1938.
Publication, Periodical. Mineralogist Publishing Company. 365,657; Mar. 14; Serial No. 411,789; published Jan. 3, 1939.
Publication, Trade. K. Gans. 365,678; Mar. 14; Serial No. 412,029; published Dec. 27, 1938.
Publications. Jones Publishing Corporation. 365,666; Mar. 14; Serial No. 411,834; published Jan. 3, 1939.
Series of newspaper articles. Bell Syndicate, Inc. 365,625; Mar. 14; Serial No. 411,206; published Dec. 27, 1938.
Stamps of the nature to be fixed in albums. G. W. McDonald. 365,542; Mar. 14; Serial No. 400,981; published July 26, 1938.
Stamps, Trading. H. I. Jacobs. 365,612; Mar. 14; Serial No. 410,737; published Dec. 27, 1938.

CLASS 39

Aprons. Cromwell Paper Company. 365,673; Mar. 14; Serial No. 411,946; published Dec. 27, 1938.
Belts, suspenders, and garters. B. D. Mosesson. 365,579; Mar. 14; Serial No. 408,726; published Dec. 27, 1938.
Blouses and dresses. I. Geist. 365,646; Mar. 14; Serial No. 411,495; published Dec. 27, 1938.
Blouses and dresses. M. Knebel. 365,643; Mar. 14; Serial No. 411,479; published Jan. 3, 1939.
Blouses and shirts. Livingston & Lieberman. 365,540; Mar. 14; Serial No. 399,933; published Jan. 3, 1939.
Coats, suits, and dresses. Kolbert Lieberman, Inc. 365,541; Mar. 14; Serial No. 400,419; published Dec. 27, 1938.
Coats, suits, cloaks, and capes. Continental Mills, Inc. 365,626; Mar. 14; Serial No. 411,211; published Dec. 6, 1938.
Dresses. National Dress Company. 365,628; Mar. 14; Serial No. 411,278; published Dec. 20, 1938.
Dresses. Style Trades, Inc. 365,543; Mar. 14; Serial No. 402,579; published Dec. 20, 1938.
Dresses and dress ensembles. Packard Dresses, Inc. 365,650; Mar. 14; Serial No. 411,543; published Jan. 3, 1939.
Dresses, coats, and suits. Spilker, Dorfmont & Kravitz. 365,577; Mar. 14; Serial No. 408,172; published Dec. 20, 1938.
Dresses, frocks, and house coats. I. Schwartz. 365,536; Mar. 14; Serial No. 398,689; published Dec. 27, 1938.
Dresses, outer shirts, shorts, etc. Wamsutta Mills. 365,664; Mar. 14; Serial No. 411,805; published Dec. 27, 1938.
Frocks. Twentieth-Century Frocks. 365,662; Mar. 14; Serial No. 411,801; published Dec. 27, 1938.
Garments, Ladies'. Frank Wraps, Inc. 365,651; Mar. 14; Serial No. 411,586; published Dec. 27, 1938.
Garments of wool fabric. Los Angeles Knitting Mills, Ltd. 365,593; Mar. 14; Serial No. 410,000; published Dec. 20, 1938.
Garments, pajamas, nightshirts, and underwear. Steiner-Liberty Corporation. 365,551; Mar. 14; Serial No. 403,970; published Dec. 27, 1938.
Gloves. Glovecraft, Inc. 365,771; Mar. 14.
Gloves and gauntlets. Toledo Glove Manufacturing Company. 365,750; Mar. 14.
Hats, Men's soft felt. Ross Wald, Inc. 365,547; Mar. 14; Serial No. 402,960; published June 7, 1938.

Hats, Women's and girls'. Elder and Johnston Company. 365,521; Mar. 14; Serial No. 379,685; published Dec. 6, 1938.
Hosiery. Adams-Millis Corporation. 365,697; Mar. 14; Serial No. 412,279; published Dec. 27, 1938.
Hosiery. S. D. Arrowood & Company. 365,630; Mar. 14; Serial No. 411,290; published Dec. 20, 1938.
Hosiery. Benal Hosiery Co. 365,698; Mar. 14; Serial No. 412,282; published Dec. 27, 1938.
Hosiery. B. Carson. 365,560; Mar. 14; Serial No. 405,688; published Jan. 3, 1939.
Hosiery. Interwoven Stocking Company. 365,682; Mar. 14; Serial No. 412,099; published Dec. 20, 1938.
Hosiery. Marshall Field & Company. 365,635–6; Mar. 14; Serial Nos. 411,407–8; published Dec. 27, 1938.
Hosiery. I. & R. Morley, Ltd. 365,566; Mar. 14; Serial No. 406,984; published Dec. 27, 1938.
Hosiery. J. A. Sacks. 365,615; Mar. 14; Serial No. 410,889; published Dec. 27, 1938.
Neckties. Botany Worsted Mills. 365,717; Mar. 14; Serial No. 412,540; published Jan. 3, 1939.
Overalls. Sears, Roebuck and Co. 365,533; Mar. 14; Serial No. 398,064; published Dec. 27, 1938.
Pajamas and underwear, Ladies' silk. Fischer & Co. 365,665; Mar. 14; Serial No. 411,829; published Dec. 27, 1938.
Shirts, coats, jackets, etc. for men and boys, Sport. Brauer-Gressman Company. 365,576; Mar. 14; Serial No. 408,153; published Sept. 27, 1938.
Shirts, dresses, caps, scarfs, etc. D. S. Hay. 365,564; Mar. 14; Serial No. 406,586; published Dec. 20, 1938.
Shoes. M. Margolin. 365,568; Mar. 14; Serial No. 407,191; published Nov. 22, 1938.
Shoes, Women's. Bancroft Walker Company. 365,603; Mar. 14; Serial No. 410,448; published Nov. 29, 1938.
Shoes, Women's. Mid-States Shoe Co. 365,741; Mar. 14.
Slips. Wm. T. Knott Company. 365,634; Mar. 14; Serial No. 411,378; published Jan. 3, 1939.
Suits and coats, Men's. Goodimate Company. 365,724; Mar. 14; Serial No. 412,634; published Jan. 3, 1939.
Suits and pants of linen, etc., and shirts. Famous-Sternberg, Inc. 365,614; Mar. 14; Serial No. 410,780; published Dec. 20, 1938.
Suits, coats, vests, etc. Pineus Bros., Inc. 365,638; Mar. 14; Serial No. 411,432; published Dec. 20, 1938.
Suits, overcoats, raincoats, etc. Columbia Outfitting Co. of Los Angeles, Cal. 365,773; Mar. 14.
Suits, overcoats, topcoats, etc. M. & B. Cohen Co. 365,669; Mar. 14; Serial No. 411,856; published Dec. 27, 1938.
Topcoats and overcoats, Men's. Jacob Siegel Company. 365,732; Mar. 14; Serial No. 412,733; published Jan. 3, 1939.
Trousers. J. C. Penney Company. 365,631; Mar. 14; Serial No. 411,310; published Dec. 20, 1938.
Underwear, Children's. Sears, Roebuck and Co. 365,522; Mar. 14; Serial No. 380,079; published Dec. 20, 1938.
Underwear and garments. Wolverine Knitting Mills. 365,588; Mar. 14; Serial No. 409,664; published Dec. 20, 1938.
Underwear, dresses, pajamas, etc. M. Cohen. 365,587; Mar. 14; Serial No. 409,561; published Dec. 20, 1938.
Underwear, Ladies'. Loom-Tex Corporation. 365,580; Mar. 14; Serial No. 408,805; published Sept. 27, 1938.
Underwear, Ladies' and children's. Belle Knitting Corp. 365,644; Mar. 14; Serial No. 411,486; published Dec. 20, 1938.
Underwear, pajamas, bloomers, etc. S. Blechman & Sons, Inc. 365,529; Mar. 14; Serial No. 393,109; published July 20, 1937.
Underwear, pajamas, panties, etc. S. Blechman & Sons, Inc. 365,530; Mar. 14; Serial No. 393,110; published Aug. 3, 1937.
Underwear, shirts, and pajamas, Men's and boys'. Sam's Cut Rate, Inc. 365,555; Mar. 14; Serial No. 404,908; published Dec. 20, 1938.

CLASS 40

Braids. R. H. Comey Brooklyn Company. 365,751; Mar. 14.
Buckles, slides and loops. Autoyre Company. 365,609; Mar. 14; Serial No. 410,715; published Dec. 6, 1938.
Combs. American Hard Rubber Company. 365,766; Mar. 14.
Combs and holders therefor. S & K Sales Co. 365,581; Mar. 14; Serial No. 408,932; published Nov. 29, 1938.
Curlers and wavers, Hair. Glemby Company. 365,745; Mar. 14.
Emblems, Fabric applique. Frances Emblems, Inc. 365,594; Mar. 14; Serial No. 410,026; published Dec. 27, 1938.
Fasteners. Ar-Don Company. 365,598; Mar. 14; Serial No. 410,285; published Nov. 29, 1938.
Hair pins, Spring metal. H. B. Laymon. 365,596; Mar. 14; Serial No. 410,184; published Dec. 27, 1938.
Laces and braids, Shoe. A. J. Andrews. 365,640; Mar. 14; Serial No. 411,442; published Jan. 3, 1939.
Shoe laces and braids. A. J. Andrews. 365,639; Mar. 14; Serial No. 411,440; published Dec. 13, 1938.

CLASS 42

Cotton piece goods and sheets and pillow cases. Wamsutta Mills. 365,663; Mar. 14; Serial No. 411,804; published Jan. 3, 1939.
Curtains, Window. Modern Curtain Co. Inc. 365,747; Mar. 14.
Hemp piece goods. Nichiman Ama Boshoku Kabushiki Kaisha. 365,658; Mar. 14; Serial No. 411,791; published Jan. 3, 1939.
Piece goods. Goodall Worsted Company. 365,763; Mar. 14.
Piece goods. J. L. Stifel & Sons, Inc. 365,629; Mar. 14; Serial No. 411,287; published Jan. 3, 1939.
Silks, rayons, and cottons and combinations thereof in the piece. Wollman Fabrics Corporation. 365,648; Mar. 14; Serial No. 411,515; published Jan. 3, 1939.
Woolen and worsted piece goods. D. W. Farnsworth. 365,753; Mar. 14.
Woolen piece goods. Deering Milliken & Co. 365,595; Mar. 14; Serial No. 410,071; published Jan. 3, 1939.

CLASS 45

Beverage, Carbonated. Canada Dry Ginger Ale, Inc. 365,556; Mar. 14; Serial No. 404,933; published Nov. 29, 1938.
Beverages. Loblaw Groceterias, Inc. 365,690; Mar. 14; Serial No. 412,193; published Jan. 3, 1939.
Beverages, Carbonated. G. Selany. 365,691; Mar. 14; Serial No. 412,201; published Jan. 3, 1939.
Beverages, Carbonated. Swirls, Inc. 365,679; Mar. 14; Serial No. 412,049; published Jan. 3, 1939.
Beverages, Carbonated. Swirls, Inc. 365,680–1; Mar. 14; Serial Nos. 412,051–2; published Jan. 3, 1939.
Cider, Hard. Midwest Orchard Service, Inc. 365,600; Mar. 14; Serial No. 410,369; published Dec. 27, 1938.

CLASS 46

Bread and delicatessen bread, Swedish hard rye. Aktiebolaget Nya Spis- & Knackebrodsfabriken Oskarshamn. 365,544; Mar. 14; Serial No. 402,704; published Jan. 3, 1939.
Cakes, macaroons, doughnuts, etc. Drake Bakeries Incorporated. 365,573; Mar. 14; Serial No. 407,794; published Jan. 3, 1939.
Candy. John Mackintosh & Sons Ltd. 365,725; Mar. 14; Serial No. 412,650; published Jan. 3, 1939.
Canned and bagged popped corn. R. B. Hills. 365,578; Mar. 14; Serial No. 408,501; published Oct. 25, 1938.
Canned cherries. Reynolds Preserving Company. 365,744; Mar. 14.
Canned fruits, vegetables, fish, etc. Standard Wholesale Grocery Co. 365,738; Mar. 14.
Canned salmon. Point Adams Packing Co. 365,728; Mar. 14; Serial No. 412,665; published Jan. 3, 1939.
Chocolate, candies, candy bars, etc. Automatic Canteen Company of America. 365,524; Mar. 14; Serial No. 391,105; published Jan. 3, 1939.
Chocolate, candies, nuts, etc. Automatic Canteen Company of America. 365,525; Mar. 14; Serial No. 391,109; published Jan. 3, 1939.
Confections, Frozen. F. J. Hanafee. 365,699; Mar. 14; Serial No. 412,295; published Jan. 3, 1939.
Corn gluten feed, corn oil cake meal, and corn gluten meal. Penick & Ford, Ltd. Incorporated. 365,768; Mar. 14.
Feed concentrate, Dry molasses. Dry-Molasses Feed Co. 365,765; Mar. 14.
Flour, Wheat. Arkansas City Flour Mills Co. 365,743; Mar. 14.
Flour, Wheat. Silbernagel & Company. 365,607; Mar. 14; Serial No. 410,661; published Jan. 3, 1939.
Flour, Wheat. Silbernagel & Company. 365,608; Mar. 14; Serial No. 410,663; published Jan. 3, 1939.
Flours. Superior Brands Inc. 365,613; Mar. 14; Serial No. 410,756; published Jan. 3, 1939.
Fruit, Fresh citrus. Cali Ranch. 365,752; Mar. 14.
Fruit, vegetables, melons, etc., Fresh citrus and deciduous. Western Fruit Growers, Inc. 365,769; Mar. 14.
Ice cream bar coating, sherbert, stabilizer, etc. S. W. Noggle. 365,532; Mar. 14; Serial No. 396,199; published Jan. 3, 1939.
Jams, jellies, fruit preserves, etc. Virgin Islands Co-operative, Inc. 365,619; Mar. 14; Serial No. 411,063; published Jan. 3, 1939.
Mangoes. E. G. Wilkinson. 365,772; Mar. 14.
Mix for use in making ice cream. Borden Company. 365,695; Mar. 14; Serial No. 412,249; published Jan 3, 1939.
Oils, Salad and cooking. A. Accardi. 365,582; Mar. 14; Serial No. 409,251; published Dec. 27, 1938.
Oils, Vegetable and salad. Dyber Oil Co. 365,574; Mar. 14; Serial No. 407,931; published Jan. 3, 1939.
Poultry, Dressed. Omaha Cold Storage Company. 365,742; Mar. 14.
Salad dressing. Old Monk Olive Oil Co. 365,761; Mar. 14.
Soybean oil meal and soybean flakes. Central Soya Company. 365,617; Mar. 14; Serial No. 410,947; published Jan. 3, 1939.
Syrup, Table. A. E. Staley Manufacturing Company. 365,654; Mar. 14; Serial No. 411,719; published Jan. 3, 1939.
Vegetable macerates of parsley, carrot, spinach, etc. I. Lambert. 365,545; Mar. 14; Serial No. 402,780; published Jan. 3, 1939.

Vegetables and deciduous fruits, Fresh. R. A. Nemanick. 365,675; Mar. 14; Serial No. 411,961; published Jan 3, 1939.
Vegetables, Fresh. Sunset Sweet Potato Growers Association. 365,755; Mar. 14.
Vegetables, Fresh and frozen. Forbush Company. 365,740; Mar. 14.

CLASS 47

Wines. Bear Creek Vineyard Association. 365,694; Mar. 14; Serial No. 412,248; published Dec. 27, 1938.
Wines. Bouchard Aîné & Fils. 365,570; Mar. 14; Serial No. 407,521; published Sept. 27, 1938.
Wines. Novitiate of Los Gatos. 365,764; Mar. 14.

CLASS 49

Gin, rum, whiskey, etc. United Distillers (of America), Ltd. 365,757–60; Mar. 14.
Liqueur, Coffee. Jose de M. Vicent. 365,610; Mar. 14; Serial No. 410,723; published Jan. 3, 1939.
Whiskey. Maryland Distillery, Inc. 365,528; Mar. 14; Serial No. 392,647; published Aug. 3, 1937.
Whiskey. Merchants Distilling Corporation. 365,605; Mar. 14; Serial No. 410,492; published Jan. 3, 1939.
Whiskey. Ed. Phillips & Sons Company. 365,767; Mar. 14.
Whiskey. John A. Wathen Distillery Company. 365,656; Mar. 14; Serial No. 411,760; published Jan. 3, 1939.
Whiskey, brandy, gin, etc. Wilken Family, Incorporated. 365,571–2; Mar. 14; Serial Nos. 407,574–5; published Jan. 3, 1939.
Whiskey, Scotch. Bellows & Company. 365,723; Mar. 14; Serial No. 412,624; published Jan. 3, 1939.
Whiskey, Scotch. Greig, Lawrence & Hoyt, Ltd. 365,775; Mar. 14.
Whisky, gin, rum, etc. Berry Bros. & Co. 365,733; Mar. 14; Serial No. 412,794; published Jan. 3, 1939.

CLASS 50

Fabric treated with non-slipping material. Behr-Manning Corporation. 365,713; Mar. 14; Serial No. 412,491; published Jan. 3, 1939.
Fly ribbons. Graef-Cowen Corporation. 365,557; Mar. 14; Serial No. 405,116; published Jan. 3, 1939.
Leather, cloth, and upholstering material, Imitation. Paper Service Company. 365,592; Mar. 14; Serial No. 409,933; published Jan. 3, 1939.

LIST OF LABELS

Arch Accent Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,632; Mar. 14.
Bachelor Blend. For Tobacco. M. F. de Bary. 52,638; Mar. 14.
Butler & Kemp—Shoes You'll Like. For Shoes. M. B. Claff & Sons, Inc. 52,633; Mar. 14.
Cream of Wheat. For Wheat Breakfast Food. Cream of Wheat Corporation. 52,636; Mar. 14.
Ground Gainer Shoe. For Boxes. Samuel Brilliant & Co. 52,626; Mar. 14.
Heileman's Beer Old Style Lager. For Lager Beer. G. Heileman Brewing Co. 52,648; Mar. 14.
Heileman's Old Style Lager. For Lager Beer. G. Heileman Brewing Co. 52,647; Mar. 14.
Highland Dairy Ice Cream. For Ice Cream. Menasha Products Company. 52,651; Mar. 14.
Hill's Health Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,628; Mar. 14.
Honey-Krust. For Bread. Grocers Baking Company. 52,646; Mar. 14.
Kemp's Mixed Nut Crisp. For Mixed Nut Crisp. E. F. Kemp, Inc. 52,649; Mar. 14.
Lily of the Valley Apple Juice. For Canned Apple Juice. Snider Packing Corporation. 52,656; Mar. 14.
Lily of the Valley Sweet Garden Peas. For Canned Peas. Snider Packing Corporation. 52,659; Mar. 14.
Lily of the Valley Tomato Juice. For Canned Tomato Juice. Snider Packing Corporation. 52,657; Mar. 14.
Nu Glaze. For a Glazing Compound. Macklanburg-Duncan Company. 52,650; Mar. 14.
Nuts & Chews. For Candy. Page & Shaw Inc. 52,652; Mar. 14.
Nuts, Fruits & Creams. For Chocolates. Daggett Chocolate Company. 52,637; Mar. 14.
Old Medley. For Kentucky Straight Bourbon Whiskey. Daviess County Distilling Company. 52,639; Mar. 14.
Palmer. For Old English Style Root Beer. Samuel C. Palmer Co. 52,653; Mar. 14.
Raisin-Bran. For a Breakfast Cereal. L. M. Skinner. 52,655; Mar. 14.
Richards Arcade Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,635; Mar. 14.
Rockwood Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,634; Mar. 14.
Salerno De Luxe Krakers. For Crackers. Salerno-Megowen Biscuit Company. 52,654; Mar. 14.
Smart Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,630; Mar. 14.
Snider Apple Sauce. For Canned Apple Sauce. Snider Packing Corporation. 52,661; Mar. 14.
Snider Garden Spinach. For Canned Spinach. Snider Packing Corporation. 52,658; Mar. 14.
Snider Golden Pumpkin. For Canned Pumpkin. Snider Packing Corporation. 52,662; Mar. 14.
Snider Pitted Red Cherries—Water Pack. For Canned Cherries. Snider Packing Corporation. 52,660; Mar. 14.
Snider Selected Sliced Garden Beets. For Canned Sliced Beets. Snider Packing Corporation. 52,663; Mar. 14.
Southern Shoe Stores. For Shoes. M. B. Claff & Sons, Inc. 52,631; Mar. 14.
Sperry Pancake and Waffle Flour. For Pancake and Waffle Flour. General Mills, Inc. 52,643–4; Mar. 14.
Sperry Wheat Hearts. For Cereal Breakfast Food. General Mills, Inc. 52,641–2; Mar. 14.
Thomas Styled "Shoes You'll Like." For Shoes. M. B. Claff & Bros., Inc. 52,629; Mar. 14.
Trellis. For Canned Peas. Gopher State Canneries, Inc. 52,645; Mar. 14.
Tytecote. For Rapid Grip Tape. United Paper Company. 52,664; Mar. 14.
Wings. For Cigarettes. Brown & Williamson Tobacco Corporation. 52,627; Mar. 14.
Wonder Bar. For Chocolate and Cocoanut Bars. E & Z Candy Company. 52,640; Mar. 14.

LIST OF PRINTS

Champions. For Cup Cakes. Tasty Baking Company. 17,277; Mar. 14.
Free at Your Grocer's . . . an Exquisite, Genuine "Carnival-Ware" Milk & Cream Pitcher. For Cereal Food. General Mills, Inc. 17,272; Mar. 14.
Health Spot Shoes Support—Balance and Equalize the Weight of Your Body in Your Feet. Every Nerve of Your Body is Connected With Your Feet, Weak—Inrolling Feet Press Upon Sensitive Nerve Centers in Your Feet. For Shoes. Musebeck Shoe Company. 17,274; Mar. 14.
Indian Checkers Board Showing Layout of Characterized Checkers All Set for Playing 13 Games in 1. For a Game. T. J. Newlin. 17,275; Mar. 14.
Maxis. For Clothes. M. Rosenfeld. 17,276; Mar. 14.
$10,002 in Cash Prizes—for Naming Baking Subjects in the Sacks of Gold Medal Flour! For Flour. General Mills, Inc. 17,270; Mar. 14.
This Big Package of Corn Kix for 1¢. For Cereal Food. General Mills, Inc. 17,273; Mar. 14.
Utterly New Hot Cereal Takes Denver by Storm. For Cereal Food. General Mills, Inc. 17,271; Mar. 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Appleton Wire Works, Inc. (See Buchanan, William E., assignor.)

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding head for reciprocating or shaker conveyers. Re. 21,027; Mar. 14.

Buchanan, William E., assignor to Appleton Wire Works, Inc., Appleton, Wis. Method and apparatus for joining wire cloth. Re. 21,028; Mar. 14.

Dimmick, Glenn L., Audubon, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and means for recording sound. Re. 21,029; Mar. 14.

Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)

Greibach, Emil H., Brooklyn, N. Y. Bone conduction hearing device. Re. 21,030; Mar. 14.

Picard, R. (See Schenk, Martin J., assignor.)

Radio Corporation of America. (See Dimmick, Glenn L., assignor.)

Schenk, Martin J., assignor of thirty-three and one-third per cent to R. Picard, Chicago, Ill. Lubrication system for internal combustion engines. Re. 21,031; Mar. 14.

LIST OF PLANT PATENTEES

Grullemans, John J., assignor to Wayside Gardens Company, Mentor, Ohio. Kniphofia or tritoma. 318. Mar. 14.

Wayside Gardens Company. (See Grullemans, John J.)

LIST OF DESIGN PATENTEES

Allen, Reginald B., Arden, N. C., assignor of one-half to C. Searcy. Vegetable chopper. 113,726; Mar. 14.

American Blower Corporation. (See Petersen, Edwin W., assignor.)

Appel, Isidor, New York, N. Y. House coat. 113,798; Mar. 14.

Auto Radiator Manufacturing Co. (See Dibelka, Henry G., assignor.)

Auto Radiator Manufacturing Co. (See Mau, Louis A., assignor.)

Bailey-Walker China Company, The. (See Walker, Albert M., assignor.)

Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Combined radio tuning motor and mounting panel. 113,727; Mar. 14.

Bauer Type Foundry, Inc. (See Trafton, Howard A., assignor.)

Bensi, Jean, New York, N. Y. Dress. 113,799; Mar. 14.

Berry, Helen, New York, N. Y. Dress. 113,800; Mar. 14.

Bockemuehl, Forrest T., Harrisonburg, Va. Game board. 113,701; Mar. 14.

Bolser, Clark M., assignor to The Bolser Corporation, Cedar Falls, Iowa. Reflector lens or the like. 113,702; Mar. 14.

Bolser, Clark M., assignor to The Bolser Corporation, Cedar Falls, Iowa. Reflector lens or the like. 113,703; Mar. 14.

Bolser Corporation, The. (See Bolser, Clark M., assignor.)

Boott Mills. (See Flather, John R., assignor.)

Brenner, Louis J., New York, N. Y. Textile fabric. 113,779; Mar. 14.

Brodie, Ralph N., Company. (See Shafer, Eugene W., assignor.)

Broome, Frank H., Pompton Lakes, N. J., assignor to Cambosco Scientific Company, Boston, Mass. Educational instrument. 113,780; Mar. 14.

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 113,728; Mar. 14.

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 113,729; Mar. 14.

Cambosco Scientific Company. (See Broome, Frank H., assignor.)

Campbell, Donald J., Spring Lake Township, Ottawa County, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Furnace. 113,730; Mar. 14.

Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)

Carragher, Hugh J., and T. B. Wilson, Brooklyn, Conn. Textile fabric. 113,825; Mar. 14.

Ciccone, Elizabeth M., New York, N. Y. Dress ensemble. 113,801; Mar. 14.

Cincinnati Time Recorder Company, The. (See Hand, Thomas L., assignor.)

Cohn & Rosenberger, Inc. (See Rosenblatt, Henry, assignor.)

Coleman, Tora, New York, N. Y. Dress. 113,802; Mar. 14.

Coleman, Tora, New York, N. Y. Dress ensemble. 113,803; Mar. 14.

Collins, Ashton B., Birmingham, Ala. Lamp. 113,704; Mar. 14.

Consolidated Slipper Corporation. (See Macht, Jack, assignor.)

Coro-Gram Inc. (See Knight, Arthur E., Jr., assignor.)

Cory, Harvey, Chicago, Ill. Lower bowl for a coffee brewer. 113,731; Mar. 14.

Crouse-Hinds Company. (See Hardage, Clarence A., assignor.)

Di Simone, Anthony, Corona, N. Y. Display table. 113,705; Mar. 14.

Dibelka, Henry G., assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Direction signal. 113,706; Mar. 14.

Dibelka, Henry G., assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Direction signal. 113,707; Mar. 14.

Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)

Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display rack or similar article. 113,732; Mar. 14.

Etkin, Simon, New York, N. Y. Dress ensemble. 113,804; Mar. 14.

Eureka Vacuum Cleaner Company. (See McCarthy, Arthur L., assignor.)

Extract, Maurice, New York, N. Y. Dress. 113,805; Mar. 14.

Faden, Sylvia, New York, N. Y. Dress. 113,806; Mar. 14.

Faden, Sylvia, New York, N. Y. Dress. 113,807; Mar. 14.

Faden, Sylvia, New York, N. Y. Dress ensemble. 113,808; Mar. 14.

Farber, Simon W., Brooklyn, N. Y. Table cooker. 113,733; Mar. 14.

Farber, Simon W., Brooklyn, N. Y. Table cooker. 113,734; Mar. 14.

Feifer, Morris, New York, N. Y. Slipper. 113,735; Mar. 14.

Felt & Tarrant Manufacturing Co. (See Nieman, F. A., and Mell, assignors.)

Fields, Jeanne, New York, N. Y. Dress. 113,809; Mar. 14.

Flather, John R., assignor to Boott Mills, Lowell, Mass. Textile fabric. 113,781; Mar. 14.

Franke, Carl S., Akron, Ohio. Ice cream cone. 113,736; Mar. 14.

Fritz, Theresa M., New York, N. Y. Dress. 113,810; Mar. 14.

Fritz, Theresa M., New York, N. Y. Dress. 113,811; Mar. 14.

Fritz, Theresa, New York, N. Y. Dress ensemble. 113,812; Mar. 14.

Gast, George A., assignor to R. T. Moloney, Chicago, Ill. Vending machine. 113,708; Mar. 14.

Ghose, Satish C., Chicago, Ill. Incense vaporizer. 113,709; Mar. 14.

Gourfain, Yvonne, New York, N. Y. Dress ensemble. 113,813; Mar. 14.

Granger, John H., New York, N. Y. Doll. 113,782; Mar. 14.
Hamlin, Benjamin M., assignor to Universal Trunk Company, Chicago, Ill. Suitcase. 113,737; Mar. 14.
Hand, Thomas L., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Coffee grinder. 113,738; Mar. 14.
Handler, Maurice S., New York, N. Y. Coat. 113,739; Mar. 14.
Handler, Maurice S., New York, N. Y. Suit. 113,814; Mar. 14.
Hardage, Clarence A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Housing for electrical apparatus. 113,740; Mar. 14.
Heller, Henry R., assignor to Winter & Co., New York, N. Y. Lyre for a piano. 113,741; Mar. 14.
Hirsch, Jules, New York, N. Y. Brooch or similar article. 113,742; Mar. 14.
Hirsch, Jules, New York, N. Y. Brooch or similar article. 113,783; Mar. 14.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tooth brush. 113,743; Mar. 14.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tooth brush. 113,744; Mar. 14.
Kaufman, Louis, New York, N. Y. Textile fabric. 113,784; Mar. 14.
Klein, Franklin S., Malverne, N. Y. Bathing cap. 113,745; Mar. 14.
Knight, Arthur E., Jr., Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms. 113,746; Mar. 14.
Knight, Arthur E., Jr., Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y. Alphabet for forming monograms. 113,747; Mar. 14.
Lantz-Phelps Corporation, The. (See Phelps, Clyde H., assignor.)
Leff, Jacques H., New York, N. Y. Brooch or similar article. 113,748; Mar. 14.
Lehmann, Kurt, assignor to Emanuel Roth Co. Inc., New York, N. Y. Textile fabric. 113,826; Mar. 14.
Levay, Joseph, New York, N. Y. Dress. 113,815; Mar. 14.
Lockwood Manufacturing Company, The. (See Pater, Ray C., assignor.)
Long, James W., Brooklyn, N. Y. Dart football game board. 113,749; Mar. 14.
Macht, Jack, New York, assignor to Consolidated Slipper Corporation, Bombay, N. Y. Bedroom slipper. 113,750; Mar. 14.
Macht, Jack, New York, assignor to Consolidated Slipper Corporation, Bombay, N. Y. Slipper. 113,751; Mar. 14.
Madsen, John S., New York, N. Y. Tablecloth or similar article. 113,752; Mar. 14.
Maidman, Ada, New York, N. Y. Dress. 113,816; Mar. 14.
Marathon Paper Mills Company. (See Morris, Elmer C., assignor.)
Martin, Glenn L., Company, The. (See Watter, Michael, assignor.)
Man, Louis A., assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Audible signal unit or similar article. 113,710; Mar. 14.
Man, Louis A., assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Audible signal unit or similar article. 113,711; Mar. 14.
McCarthy, Arthur L., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Display stand for a vacuum cleaner or similar article. 113,753; Mar. 14.
Mershon, Isaac, Brooklyn, N. Y. Combined ashtray support and container for cigarettes or like articles. 113,754; Mar. 14.
Moebus, Jeanne V. (See Moebus, Robert H. and J. V.)
Moebus, Robert H. and J. V., Omaha, Nebr. Bun server. 113,712; Mar. 14.
Moloney, Raymond T. (See Gast, George A., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Steering post shroud for a bicycle or the like. 113,713; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Steering post shroud for a bicycle or the like. 113,714; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Steering post shroud for a bicycle or the like. 113,715; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Crank shroud for a bicycle or the like. 113,716; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Chain guard for a bicycle. 113,717; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined back guard and high closet for ranges. 113,755; Mar. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined luggage carrier and container for a bicycle or the like. 113,785; Mar. 14.
Morris, Abraham H., New York, N. Y. Evening wrap. 113,756; Mar. 14.
Morris, Elmer C., Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Dispenser for paper napkins. 113,757; Mar. 14.
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Domestic water heater. 113,758; Mar. 14.
Murray, Leslie L., Beverly, Mass. Ash receiver. 113,759; Mar. 14.
Niemann, Frederick A., and A. L. Mell, assignors to Felt & Tarrant Manufacturing Co., Chicago, Ill. Calculating machine. 113,817; Mar. 14.
Oppermann, Charles T., Detroit, Mich. Anvil. 113,760; Mar. 14.
Pater, Ray C., assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Baking pan. 113,761; Mar. 14.
Petersen, Edwin W., assignor to American Blower Corporation, Detroit, Mich. Combined portable air conditioner and table. 113,762; Mar. 14.
Phelps, Clyde H., Mount Vernon, N. Y., assignor to The Lantz-Phelps Corporation, Dayton, Ohio. Fuel consumption tester. 113,763; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip. 113,786; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip. 113,787; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip. 113,788; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip. 113,789; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip. 113,790; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 113,791; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 113,792; Mar. 14.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 113,793; Mar. 14.
Raphaels, Edwin, New York, N. Y. Textile fabric. 113,764; Mar. 14.
Risk, George, Des Moines, Iowa. Cabinet for inter-building communication systems. 113,765; Mar. 14.
Rosenbaum, Maria, née Boevers, Hanover, Germany. Label container. 113,720; Mar. 14.
Rosenbaum, Maria, née Boevers, Hanover, Germany. Label container. 113,721; Mar. 14.
Rosenblatt, Henry, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Brooch pin or similar article. 113,766; Mar. 14.
Rost, Katheryn, New York, N. Y. Dress. 113,818; Mar. 14.
Rost, Katheryn, New York, N. Y. Dress. 113,819; Mar. 14.
Rost, Katheryn, New York, N. Y. Dress. 113,820; Mar. 14.
Roth, Emanuel, Co. Inc. (See Lehmann, Kurt, assignor.)
Roth, Isadore, St. Louis, Mo. Dress. 113,821; Mar. 14.
Roth, Isadore, St. Louis, Mo. Dress. 113,822; Mar. 14.
Rubel, Bernard, New York, N. Y. Rubber heel. 113,767; Mar. 14.
Ruchman, Albert, New York, N. Y. Dress. 113,823; Mar. 14.
Russakov, Jacob I., Chicago, Ill. Smoker's ash stand. 113,768; Mar. 14.
Saville Perfumery Limited. (See Worssam, George S., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Searcy, Charles. (See Allen, Reginald B., assignor.)
Shaer, David, Manchester, N. H. Shoe or similar article. 113,769; Mar. 14.
Shafer, Eugene W., San Mateo, assignor to Ralph N. Brodie Company, Oakland, Calif. Casing for a fluid meter counter or similar article. 113,794; Mar. 14.
Sherman, Alvin G., Grosse Pointe, assignor to Sherman-Jackson-Roose Company, Detroit, Mich. Combined burner and grate. 113,770; Mar. 14.
Sherman-Jackson-Roose Company. (See Sherman, Alvin G., assignor.)
Smith, Samuel K., Chicago, Ill. Cover for a merchandise container or similar article. 113,722; Mar. 14.
Staley, Frank D., Indianapolis, Ind. Sign. 113,795; Mar. 14.
Stanbury, William E., Kansas City, Mo. Badge or similar article. 113,723; Mar. 14.
Stegeman, Albert V., Jr., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ohio. Wrist watch. 113,771; Mar. 14.
Stricker, Ethel E., New York, N. Y. Negligee. 113,824; Mar. 14.
Sumergrade, Harry, New York, N. Y. Comfortable. 113,772; Mar. 14.
Taisch, Rose E., New York, N. Y. Bathing suit. 113,796; Mar. 14.
Threifall, Fredric J., Philadelphia, Pa. Deck of playing cards. 113,724; Mar. 14.
Titus, Thomas L., Denver, Colo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Liquid dispenser or similar article. 113,725; Mar. 14.
Trafton, Howard A., assignor to Bauer Type Foundry, Inc., New York, N. Y. Printing type font. 113,797; Mar. 14.

Trifari, Krussman & Fishel, Inc. (See Philippe, Alfred, assignor.)
Tull, Neta M., Oklahoma City, Okla. Shampoo apron or similar article. 113,773; Mar. 14.
Universal Trunk Company. (See Hamlin, Benjamin M., assignor.)
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Wadsworth Watch Case Company, The. (See Stegeman, Albert V., Jr., assignor.)
Walker, Albert M., Akron, assignor to The Bailey-Walker China Company, Bedford, Ohio. Plate or similar article. 113,774; Mar. 14.
Watter, Michael, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 113,775; Mar. 14.
Waugh, Gwenyth, New York, N. Y. Textile fabric or similar article. 113,827; Mar. 14.
Waugh, Gwenyth, New York, N. Y. Textile fabric or similar article. 113,828; Mar. 14.
Whitehouse, John N., Camden, N. J. Cuticle remover. 113,776; Mar. 14.
Wilson, Thurston B. (See Carragher, H. J., and Wilson.)
Winter & Co. (See Heller, Henry R., assignor.)
Wooga, Itsuo, Tokyo, Japan. Lamp. 113,718; Mar. 14.
Wooga, Itsuo, Tokyo, Japan. Lamp. 113,719; Mar. 14.
Worssam, George S., Watford, assignor to Saville Perfumery Limited, Watford Junction, Watford, England. Combined perfume bottle and container therefor. 113,777; Mar. 14.
Wyott Manufacturing Company, The. (See Titus, Thomas L., assignor.)
Zimmerman, Samuel, New York, N. Y. Coat. 113,778; Mar. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A and Z Chain Company. (See Dalo, John, assignor.)
Adams, Alfred S., Atlantic City, N. J. Brush holder. 2,150,706; Mar. 14.
Adams, Charles F. (See King, Edward A., assignor.)
Adams, Parks M., assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,150,143; Mar. 14.
Adams, S. G., Company. (See Stephens, Homer, assignor.)
Advance Aluminum Castings Corp. (See Grundstrom, Erik G., assignor.)
Aetna Motor Products Company. (See Batcheller, Hugh W., assignor.)
Agfa Ansco Corporation. (See Bodine, Howard O., assignor.)
Air Reduction Company. (See Rooke, R. M., and Saacke, assignors.)
Aircraft Screw Products Company. (See Caminez, Harold, assignor.)
Aktiebolaget Formator. (See Dahlström, R., and Rothelius, assignors.)
Aktiebolaget Termisk Isolation. (See Munters, Carl G., assignor.)
Allen, Joseph W., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,150,594; Mar. 14.
American Bosch Corporation. (See Crocker, William D., assignor.)
American Bosch Corporation. (See Gibson, R. H., and Crocker, assignors.)
American Decalcomania Company. (See Lawrence, Jay B., assignor.)
American Perforator Company, The. (See Wagner, Albert N., assignor.)
American Safety Table Company. (See Voigt, Max T., assignor.)
American Stamping Company. (See Andrews, H. B., and Haines, assignors.)
American Steel Derrick Company. (See Eaton, John F., assignor.)
American Stove Company. (See Brumbaugh, Isaac V., assignor.)
Amery, George, London, England. Fuel-injection control device. 2,150,574; Mar. 14.
Andersen, Margaret R., Genoa, Colo. Hairpin opener. 2,150,144; Mar. 14.
Anderson, Frank E., Brooklyn, N. Y. Tape control mechanism. 2,150,410; Mar. 14.
Anderson, Lawrence, New York, N. Y. Building block. 2,150,707; Mar. 14.
Anderson, Rexford O. (See Carson, A. H., and Anderson.)
Anderson, Swan F., Rockford, Ill. Dispensing apparatus. 2,150,479; Mar. 14.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,150,411; Mar. 14.
Andrews, Herbert B., and J. R. Haines, assignors to American Stamping Company, Battle Creek, Mich. Method and apparatus for making tubes. 2,150,708; Mar. 14.
Annen, James E., Kalamazoo, Mich. Container. 2,150,308; Mar. 14.
Appliance Products Company. (See Gill, Clarence L., assignor.)
Ashworth, Fred N., Somerville, Mass. Necktie holder. 2,150,351; Mar. 14.
Atkins, Hubert C. (See Schwerin, P., and Atkins.)
Atlantic Refining Company. (See Myers, William A., assignor.)
Atwell, Everett C., Cranston, assignor to Franklin Rayon Corporation, Providence, R. I. Treating yarn and the like with fluids. 2,150,309; Mar. 14.
Atwood Machine Company, The. (See Lewis, A. L., and Fretter, assignors.)
Auditorium Conditioning Corporation. (See Hunicke, Clarence C., assignor.)
Aukerman, Frank C., Rapid City, S. Dak. Press. 2,150,812; Mar. 14.
Austin, Paul R., Wilmington, and P. L. Salzberg, Carrcroft, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing alpha aryl phthalides. 2,150,595; Mar. 14.
Autographic Register Co. (See Borchers, W. G., and Cirillo, assignors.)
Avery, Julian M., Greenwich, Conn., assignor to Electro Metallurgical Company. Smelting metals from ores. 2,150,145; Mar. 14.
Ayers, Fred L., Watertown, Mass., assignor to Brown Company, Berlin, N. H. Making insoles and sheets therefor. 2,150,575; Mar. 14.

Babb, Gerald R., Auburn, Maine. Making turned shoes. 2,150,480; Mar. 14.
Bailey, Bruce L. (See Ridgway, R. R., and Bailey.)
Bake, Clarence F., assignor of twenty-four percent to W. O. Bake and twenty-five percent to L. A. Moore, Fullerton, Nebr. Automobile steering wheel attachment. 2,150,709; Mar. 14.
Bake, Wilmoth O., et al. (See Bake, Clarence F., assignor.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Protective means for deep well packers. 2,150,310; Mar. 14.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Wash-down and cementing shoe for well casings. 2,150,311; Mar. 14.
Baker, William H., Montreal, Quebec, Canada. Loom. 2,150,668; Mar. 14.
Baldwin Company, The. (See Jordan, John F., assignor.)
Ball, Russell C., Philadelphia, Pa. Compensating device for valve control. 2,150,813; Mar. 14.
Balsiger, Harold E. (See Price, R. E., Balsiger, and Ott.)
Bancroft, Albert F., West Newton, Mass., assignor to Bancroft-Walker Company. Flexing shoe soles. 2,150,794; Mar. 14.
Bancroft, Joseph & Sons Co. (See Ford, F. M., and Lippert, assignors.)
Bancroft-Walker Company. (See Bancroft, Albert F., assignor.)
Banwell, James, Cleveland, Ohio. Expansion joint for concrete pavements, walks or the like. 2,150,710; Mar. 14.
Barbato, Joseph, Cleveland, Ohio. Roller skate. 2,150,814; Mar. 14.
Barker & Jones Limited. (See Schackleton, Walter L., assignor.)
Barnard, Therides V., Omaha, Nebr. Corn popper. 2,150,888; Mar. 14.
Barnard, Thomas H., and P. L. Sterri, assignors to Clinton Company, Clinton, Iowa. Manufacture of dextrose. 2,150,146; Mar. 14.
Barnes, Allen L., Oak Park, assignor to Perfection Gear Company, Harvey, Ill. Differential mechanism. 2,150,312; Mar. 14.
Bartlett, Edwin S., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Shearing machine. 2,150,352; Mar. 14.
Batcheller, Hugh W., Waltham, assignor, by mesne assignments, to Aetna Motor Products Company, Boston, Mass. Pocket flashlight. 2,150,644; Mar. 14.
Bauer, Oliver F., assignor to Gleason Works, Rochester, N. Y. Tooth aligning device. 2,150,313; Mar. 14.
Bausch & Lomb Optical Company. (See Eppenstein, Otto, assignor.)
Beckwith, Louis I. Brookline, Mass. Joint arrangement. 2,150,795; Mar. 14.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Treatment of mixtures of nitrosyl chloride and chlorine. 2,150,669; Mar. 14.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Furnace. 2,150,481; Mar. 14.
Behr, Gustave E., assignor to National Lead Company, New York, N. Y. Refining of white metals. 2,150,353; Mar. 14.
Behrens, Herbert C., assignor to Duplex Printing Press Company, Battle Creek, Mich. Matrix rolling machine. 2,150,711; Mar. 14.
Bell, George W., Detroit, Mich. Suspension of automobiles and like vehicles. 2,150,576; Mar. 14.
Bell Punch Company Limited. (See Webb, Christopher F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bleicher, Otto C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporately. (See Manley, Jack M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schafer, Arthur H., assignor.)
Bell, William L., San Francisco, assignor to G. H. Chick, Oakland, Calif. Orthopedic apparatus. 2,150,314; Mar. 14.
Bender Home Appliances, Inc. (See Scott, Ray W., assignor.)

Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)
Benedict, Anthony C., Rockville Centre, N. Y. Noncracking joint covering and finish. 2,150,399; Mar. 14.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,150,201; Mar. 14.
Bentley, Oliver D. H., Norfolk, Mass. Blower. 2,150,670; Mar. 14.
Bentz, George B., New York, N. Y. Bathroom tub stool. 2,150,482; Mar. 14.
Bentz, George B., New York, N. Y. Vanity attachment for bathtubs. 2,150,483; Mar. 14.
Berg, Leo F., assignor to Edison General Electric Company, Incorporated, Chicago, Ill. Cover structure. 2,150,756; Mar. 14.
Berger, Edward H. (See Tozer, C. C., and Berger.)
Berger, Kornel, Brooklyn, N. Y. Screw-threaded stock and manufacture of same. 2,150,815; Mar. 14.
Bergey, Elmer. (See Shisler, G. M., and Bergey.)
Berlin, Donovan R., Eggertsville, W. O. Watson, Kenmore, and W. Tydon, Buffalo, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation. Retractable landing gear. 2,150,537; Mar. 14.
Berndt, Karl, Chemnitz, Germany. Method and apparatus for simultaneously spinning and twisting artificial threads. 2,150,354; Mar. 14.
Bernhardt, Louis J., Cleveland, Ohio. Center finder and indicator for lathes and the like. 2,150,577; Mar. 14.
Bernhardt, Rudolph, Chicago, Ill. Clothes hanger. 2,150,484; Mar. 14.
Bernhardt, Rudolph, Chicago, Ill. Dispenser. 2,150,485; Mar. 14.
Berry, Ethel Y., North Hollywood, Calif. Finger-grip comb. 2,150,260; Mar. 14.
Berwick, Jo D., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Flanged hose and method of making. 2,150,412; Mar. 14.
Bezzenberger, Frederick K., Cleveland, Ohio. Article of manufacture and producing same. 2,150,671; Mar. 14.
Biggers, John D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glass sheet glazing construction. 2,150,355; Mar. 14.
Bingham, Arthur, Deptford, London, assignor to Molins Machine Company, Limited, London, England. Manufacture of cigarettes. 2,150,596; Mar. 14.
Bishop & Babcock Mfg. Company, The. (See Bondurant, Carlton W., assignor.)
Bjornson, Ingvard, Sunset Beach, Calif., C. A. Neil, owner by decree of court. Child's blanket. 2,150,486; Mar. 14.
Blackwell, Harold A., and W. L. Turner, Garston, Liverpool, England. Separating phosphorus and like elements from ores. 2,150,261; Mar. 14.
Blackwell, Stephen R., East St. Louis, Ill. Screed. 2,150,618; Mar. 14.
Bleicher, Otto C., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge lamp. 2,150,356; Mar. 14.
Blevins, Herman G., Sewickley, assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa. Pipe forming apparatus. 2,150,202; Mar. 14.
Blight, Clayton G., Buffalo, N. Y. Radiator shield. 2,150,816; Mar. 14.
Blomberg, Martin P., and W. H. Mussey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car truck frame. 2,150,870; Mar. 14.
Blume, Ralph J., Fort Wayne, Ind. Visibility indicator. 2,150,597; Mar. 14.
Blunt, Grover A. (See Sadler, J. W., and Blunt.)
Bodine, Howard O., Wantagh, assignor to Agfa Ansco Corpertion, Binghamton, N. Y. Film drier. 2,150,757; Mar. 14.
Boex, Milan J., assignor to Northern Paper Mills, Green Bay, Wis. Towel cabinet. 2,150,817; Mar. 14.
Bohn, Nicholas J. (See Philipp, L. A., and Bohn.)
Bonat, Harry, New York, N. Y. Permanent waving pad and making same. 2,150,598; Mar. 14.
Bond, Joseph E., Middletown, Ohio. Paper pulp refining apparatus. 2,150,357; Mar. 14.
Bondurant, Carlton W., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Thermostatic electric switch device. 2,150,203; Mar. 14.
Bonis, Caesar, Brooklyn, N. Y. Lubricating system for fur sewing machines. 2,150,619; Mar. 14.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Floor rack for refrigerator cars. 2,150,413; Mar. 14.
Borchers, William G., and N. Cirillo, assignors to Autographic Register Co., Hoboken, N. J. Manifolding. 2,150,538; Mar. 14.
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Bowen, Albert H., and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Composition of matter and making. 2,150,147; Mar. 14.
Bowen, Albert H., and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Water soluble resinous condensation products. 2,150,148; Mar. 14.
Boyd, Charles P., Yeadon, Pa. Hanger for gutters. 2,150,414; Mar. 14.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain fixture. 2,150,204; Mar. 14.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Brace, Kemper P., South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill. Thermal control. 2,150,142; Mar. 14.
Brakensiek, Clarence W., St. Louis, Mo. Earth anchor. 2,150,358; Mar. 14.
Braman, Harry S., Homer, N. Y. Stringed instrument body. 2,150,736; Mar. 14.
Bramley, Arthur, Scottdale, Pa. Mine car. 2,150,818; Mar. 14.
Branche, Nelson T., assignor to Surface Combustion Corporation, Toledo, Ohio. Igniting mechanism for gas burners. 2,150,415; Mar. 14.
Brand, Samuel. (See Fuller, F. L., and Brand.)
Briod, André E., Belleville, and R. R. East, East Orange, assignors to National Oil Products Company, Harrison, N. J. Producing vitamin food products. 2,150,315; Mar. 14.
Briod, André E., Belleville, and B. R. East, East Orange, assignors to National Oil Products Company, Harrison, N. J. Vitamin concentrate and producing same. 2,150,316; Mar. 14.
British Hygienic Containers Limited. (See Franghia, Byron, assignor.)
Brittain, William W., assignor of one-half to J. R. Long, Minneapolis, Minn. Shut-off device for fire hose. 2,150,262; Mar. 14.
Brophy, Gerald R. (See Nickle, C. A., and Brophy.)
Brouwer, Rodger D., and T. C. Delaval-Crow, Bristol, and L. D. Cobb, Forestville, Conn., assignors to General Motors Corporation, Detroit, Mich. Top roll. 2,150,796; Mar. 14.
Brown, Chalmers S., Lima, Ohio. Automatic sewer regulator. 2,150,359; Mar. 14.
Brown Company. (See Ayers, Fred L., assignor.)
Brown, Donald W. (See Crum, H. W., and Brown.)
Brown, George R., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,150,758; Mar. 14.
Brown Instrument Company, The. (See Harrison, T. E., Grauel, and Kessler, assignors.)
Brown, Seymour, assignor to Carrier Corporation, Syracuse, N. Y. Compressor apparatus. 2,150,487; Mar. 14.
Brueckmann, Frank G. (See Rogers, M. C., Brueckmann, and Roesch.)
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Gas burner. 2,150,819; Mar. 14.
Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)
Budin, Harry A. (See Carroll, William L., assignor.)
Buffalo Pressed Steel Company. (See Starkweather, G. C., and Haas, assignors.)
Burk, Robert E., and E. C. Hughes, assignors to Standard Oil Company, Cleveland, Ohio. Treatment of petroleum distillates. 2,150,149; Mar. 14.
Burrows, Robert J., Battle Creek, R. Lapsley, Berrien Springs, and A. O. Williams, Battle Creek, assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Selective drive mechanism. 2,150,150; Mar. 14.
Burrows, Robert J., Battle Creek, R. Lapsley, Berrien Springs, and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Selective drive mechanism. 2,150,151; Mar. 14.
Bush, A. G. (See Criner, Harry J., assignor.)
Byers, Jacob J., Oakland, Calif., assignor to National Malleable and Steel Casting Company, Cleveland, Ohio. Shim for car trucks. 2,150,360; Mar. 14.
Byrkit, Gordon D. (See Lincoln, B. H., and Byrkit.)
Jackson, Byron, Co. (See De Coursey, Harry V., assignor.)
Cairns, Edmund B., Naugatuck, Conn., assignor to Cairns Metal Corporation. Process and apparatus for forming tapered spars. 2,150,416; Mar. 14.
Cairns Metals Corporation. (See Cairns, Edmund B., assignor.)
California Fruit Growers Exchange. (See MacRill, John R., assignor.)
California Fruit Growers Exchange. (See MacRill, J. R., and Nedvidek, assignors.)
Camenzind, John L., Montesano, Wash. Cracker crumber. 2,150,488; Mar. 14.
Caminez, Harold, Brooklyn, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Method of connecting light metal alloy parts. 2,150,875; Mar. 14.
Caminez, Harold, New York, assignor to Aircraft Screw Products Co., Inc., Brooklyn, N. Y. Screw fastening for high strength connections. 2,150,876; Mar. 14.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load discharging car. 2,150,418; Mar. 14.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway car underframe. 2,150,417; Mar. 14.
Campbell, Clinton, Stamford, Conn. Container. 2,150,152; Mar. 14.

Carborundum Company, The. (See Hutchins, Otis, assignor.)
Carrier Corporation. (See Brown, Seymour, assignor.)
Carroll, William L., deceased, Benton Harbor, Mich.; C. J. Lynch, administrator, assignor to H. A. Budin, New York, N. Y. Bunion removing appliance. 2,150,645; Mar. 14.
Carson, Amon H., and R. O. Anderson, Oklahoma City, Okla. Hydraulic power transmitting apparatus. 2,150,539; Mar. 14.
Carter, Roscoe H., Washington, D. C., dedicated to the free use of the public in the territory of the United States of America. Insecticidal and fungicidal compositions. 2,150,759; Mar. 14.
Casner Patents, Inc. (See Casner, Thaddeus S., assignor.)
Casner, Thaddeus S., Plainfield, N. J., assignor to Casner Patents, Inc. Magnetic motor for electric razors or the like. 2,150,153; Mar. 14.
Caterpillar Tractor Co. (See Eberhard, Harmon S., assignor.)
Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
Cavnoti, Frank, assignor of one-half to J. Cavnoti, Richmond Hill, N. Y. Clothesline extension. 2,150,820; Mar. 14.
Cavnoti, Joseph. (See Cavnoti, Frank, assignor.)
Celanese Corporation of America. (See Whitehead, Williams, assignor.)
Ceramic Machinery Distributors Limited. (See Shurley, Frederick, and Q. Halford, assignors.)
Chain Belt Company. (See Shafer, S., Jr., and Seidenstricker, assignors.)
Champion Brake Corporation. (See Lindeman, James E., assignor.)
Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Totalizing and recording apparatus. 2,150,489; Mar. 14.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,150,578; Mar. 14.
Chesney, Jacques W. D., Algonquin, assignor to New Discoveries, Incorporated, Chicago, Ill. System for cleaning, sterilizing, and conditioning air. 2,150,263; Mar. 14.
Chicago Electric Manufacturing Company. (See Rodwick, Frank P., assignor.)
Chicago Flexible Shaft Company. (See Bartlett, Edwin S., assignor.)
Chick, Gilbert H. (See Bell, William L., assignor.)
Chilton, Allan, Glen Rock, N. J., assignor to Wright Aeronautical Corporation. Reduction gear. 2,150,540; Mar. 14.
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Rotary valve. 2,150,541; Mar. 14.
Chittick, Charles Y., Maplewood, N. J., assignor to The Kroydon Company. Golf club. 2,150,737; Mar. 14.
Chobert, Jacques F. G., Saint-Etienne, France. Method of and apparatus for securing hollow bodies in holes in other bodies. 2,150,361; Mar. 14.
Christel, William F., Valders, assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis. Packing commodities in receptacles. 2,150,490; Mar. 14.
Cirillo, Nicholas. (See Borchers, W. G., and Cirillo.)
Clark Equipment Company. (See Burrows, R. J., Lapsley, and Williams, assignors.)
Clark, John M., assignor to Universal Button Fastening & Button Company, Detroit, Mich. Button manufacture. 2,150,877; Mar. 14.
Clark, Treyor H., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron multiplier. 2,150,317; Mar. 14.
Clausen, Henry C., executor, et al. (See Strauss, Joseph B., assignor.)
Clayton, Benjamin, Houston, Tex., W. B. Kerrick, Los Angeles, H. M. Stadt, Glendale, Calif., and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Refining apparatus. 2,150,797; Mar. 14.
Clinton Company. (See Barnard, T. H., and Stern, assignors.)
Clinton Company. (See Wagner, R. C., and Stern, assignors.)
Cobb, Leland D. (See Brouwer, R. D., Delaval-crow, and Cobb.)
Coca-Cola Company, The. (See Morin, Louis H., assignor.)
Cochran, Paul B., Parlin, N. J., M. V. Hitt, Wilmington, Del., and L. Van Taylor, Raritan Township, Middlesex County, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of regenerated cellulose. 2,150,205; Mar. 14.
Coffing, Frederick W., Danville, Ill. Free-chain planetary hoist. 2,150,419; Mar. 14.
Collins, Arthur A., Cedar Rapids, Iowa. Control circuit for signal transmitting and receiving apparatus. 2,150,362; Mar. 14.
Colonial Broach Company. (See Nilsson, Axel L., assignor.)
Colt, Rutger B. (See Chappell, R. R., and Colt.)
Colt, Samuel S., West Orange, N. J. Wire-pulling device. 2,150,646; Mar. 14.
Colville, Kenneth H., Carbondale, Pa., assignor to Hendrick Manufacturing Company. Filter screen. 2,150,889; Mar. 14.
Connor, John H., Newton, assignor to The Tanning Process Company, Boston, Mass. Putting-out machine. 2,150,264; Mar. 14.
Conover, Richard E., Dayton, Ohio. Motor control system. 2,150,265; Mar. 14.
Consolidated Car-Heating Company. (See Touceda, Enrique G., assignor.)
Cook, Willis D., Marysville, Calif. Floodlight support. 2,150,542; Mar. 14.
Cooper, Fred C., Maywood, Ill. Display device. 2,150,712; Mar. 14.
Cooper, James F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Motor mounting for inflatable boats. 2,150,420; Mar. 14.
Cope, Arthur C., Bryn Mawr, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Production of secondary alkylidene cyanoacetic esters. 2,150,154; Mar. 14.
Cope, John Q., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Liquid distributor. 2,150,491; Mar. 14.
Corey, John W. (See Heath, S. B., and Corey.)
Corey, Ralph C., et al. (See Farineau, Alfred J., assignor.)
Cory, Harvey, Chicago, Ill. Electric stove. 2,150,492; Mar. 14.
Cotner, John C., assignor to Logansport Machine, Inc., Logansport, Ind. Fluid pressure device. 2,150,266; Mar. 14.
Cozzoli, Frank, Plainfield, N. J. Ampoule filler. 2,150,760; Mar. 14.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,150,579; Mar. 14.
Craig, Harry G., San Francisco, and A. W. Pride, Oakland, assignors to Hancock Bros., San Francisco, Calif. Ticket printing and issuing machine. 2,150,761; Mar. 14.
Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Antioxidant. 2,150,421; Mar. 14.
Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Hydrogenated furyl amine derivatives. 2,150,422; Mar. 14.
Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Furyl amine derivatives. 2,150,423; Mar. 14.
Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerators. 2,150,424; Mar. 14.
Cramer, Howard I., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerators of vulcanization. 2,150,425; Mar. 14.
Crandall, Fred N., Temple City, Calif. Continuous masonry tie. 2,150,798; Mar. 14.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,150,426; Mar. 14.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,150,427; Mar. 14.
Crocker, William D. (See Gibson, R. H., and Crocker.)
Crocker, William D., assignor to American Bosch Corporation, Springfield, Mass. Electric circuit interrupter. 2,150,206; Mar. 14.
Croom-Johnson, Douglas C., Upper Warlingham, England. Means adapted to enable aircraft to pick up while in flight articles or persons. 2,150,599; Mar. 14.
Crosswhite, Harry W., et al. (See Delano, Frank, assignor.)
Crowley, Robert, North Quincy, Mass. Golf teaching and practicing device. 2,150,580; Mar. 14.
Crum, Harold W., and D. W. Brown, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Airship mooring. 2,150,428; Mar. 14.
Currie, Thomas D., Vaughan Township, Ontario, Canada, assignor to Dixie-Vortex Company, Chicago, Ill. Flat bottom ice cream container. 2,150,207; Mar. 14.
Curtiss-Wright Corporation. (See Berlin, D. R., Watson, and Tydon, assignors.)
Curtiss-Wright Corporation. (See Flader, Fredric E., assignor.)
Dahlström, Ruben, Alsten, and B. Rothelius, assignors to Aktiebolaget Formator, Stockholm, Sweden. Device for disintegrating tobacco leaves. 2,150,493; Mar. 14.
Dilo, John, assignor to A and Z Chain Company, Providence, R. I. Extensible bracelet clasp. 2,150,318; Mar. 14.
Daly, George F. (See Fuller, F. L., and Daly.)
Daly, George F., Johnson City, and G. Lowkrantz, Binghamton, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,150,208; Mar. 14.
Davidson, Glenn. (See Laucks, I. F., and Davidson.)
Davis, Arthur B., Springfield, assignor to Ideal Roller & Manufacturing Company, Chicago, Ill. Grooving inking rolls. 2,150,155; Mar. 14.
Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Garment stretcher. 2,150,713; Mar. 14.
Davis, Harry, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Reversing clutch for printing presses. 2,150,672; Mar. 14.

Davis, John W., and R. G. Houston, Wilson, Okla. Air eliminator. 2,150,714; Mar. 14.
Dawson, Oliver H., Baytown, Tex., assignor to Standard Oil Development Company. Preparing lubricating oil dye from cracked tar. 2,150,363; Mar. 14.
De Boer, Jan H. (See Holst, G., and de Boer.)
De Coursey, Harry V., Houma, La., assignor to Byron Jackson Co., Huntington Park, Calif. Elevator link retainer. 2,150,581; Mar. 14.
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Deere & Company. (See Tuft, Miles H., assignor.)
De Falco, Mario, Rome, Italy. One-way clutch mechanism. 2,150,715; Mar. 14.
De Groot, Abraham J. W. (See Volz, R. F., and de Groot.)
Delano, Frank, Huntington Park, assignor of one-third to H. W. Crosswhite, Maywood, and one-third to F. Maigre, Huntington Park, Calif. Tube vulcanizer. 2,150,267; Mar. 14.
Delaval-crow, Thomas C. (See Brouwer, R. D., Delaval-crow, and Cobb.)
Dempster, George R., Knoxville, Tenn. Transporting and dumping vehicle. 2,150,821; Mar. 14.
Denton, Walter, Jr. (See Denton, Walter R., assignor.)
Denton, Walter R., assignor of one-half to W. Denton, Jr., Baldwin, N. Y. Pruning implement. 2,150,268; Mar. 14.
Deerby, John H., Scarsdale, assignor of one-third to C. F. Kelley, Brooklyn, and one-third to H. W. Park, New York, N. Y. Supervisory system for watchmen. 2,150,209; Mar. 14.
De Sanno, Albert P., Jr., Philadelphia, Pa. Chair. 2,150,429; Mar. 14.
De Saussure Equipment Company. (See De Saussure, William P., Jr., assignor.)
De Saussure, James P., et al. (See De Saussure, William P., Jr., assignor.)
De Saussure, William P., Jr., Englewood, assignor to W. P. De Saussure, Jr., and J. P. De Saussure, copartners, doing business as De Saussure Equipment Company, West New York, N. J. Folding table. 2,150,878; Mar. 14.
De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Sewing machine. 2,150,494; Mar. 14.
De Steffan, Nicholas, Syracuse, N. Y. Beverage dispensing system. 2,150,673; Mar. 14.
Detroit Lubricator Company. (See Eggleston, Gilbert K., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Ehrhart, Oskar, assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Thilenius, Rudolf, assignor.)
De Ybarrondo, Vincent C., assignor to Patco, Inc., Los Angeles, Calif. Movable motion picture screen and appurtenances thereto. 2,150,543; Mar. 14.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dietrich, Melvin A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lubricating oil. 2,150,156; Mar. 14.
Dike, Theodore W. (See Bowen, A. H., and Dike.)
Dike, Theodore W. (See Rippey, H. F., and Dike.)
Dimmick, Glenn L., Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Sound record. 2,150,319; Mar. 14.
Distillation Products, Inc. (See Embree, Norris D., assignor.)
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Dixie-Vortex Company. (See Currie, Thomas D., assignor.)
Dixie-Vortex Company. (See Wessman, Edwin G., assignor.)
Donglass, Eldridge P., Fayetteville, Ark. Wire screen. 2,150,647; Mar. 14.
Dow Chemical Company, The. (See Heath, S. B., and Corey, assignors.)
Dowty, George H., Cheltenham, England. Telescopic shock absorber leg for aircraft undercarriages. 2,150,495; Mar. 14.
Dreisbach, Gerald H., Wauseon, Ohio. Floating drawbar guide for tractors. 2,150,269; Mar. 14.
Drenkard, Adam, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Resonator selector for carrier conveyer systems. 2,150,430; Mar. 14.
Drenkard, Adam, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Capacity selector for carrier conveyer systems. 2,150,431; Mar. 14.
Dreyfus, Jean, Paris, France. Radio receiver. 2,150,210; Mar. 14.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,150,364; Mar. 14.
Dudgeon, Harry A., Kenilworth, England, assignor to Norton Company, Worcester, Mass. Mercury switch. 2,150,674; Mar. 14.
Dunajeff, Leonid A., New York, N. Y. Hypodermic syringe. 2,150,738; Mar. 14.
Duplex Printing Press Company. (See Behrens, Herbert C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Austin, P. R., and Salzberg, assignors.)
Du Pont, E. I., de Nemours & Company. (See Cochran, P. B., Hitt, and Van Taylor, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dietrich, Melvin A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Flint, Robert B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gilbert, Harvey N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, C. R., and Kirst, assignors.)
Du Pont, E. I., de Nemours & Company. (See McKinney, Robert M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, Swanie S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., and Mathieu, assignors.)
Durbin, Benjamin H., New Albany, Ind. School desk. 2,150,739; Mar. 14.
Durrans, Thomas H., London, and B. T. D. Sully, Ewell, England. Revivification of catalysts for hydrogenation and like processes. 2,150,270; Mar. 14.
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,150,271; Mar. 14.
Dziewior, Kurt, Berlin, Germany. Photographic camera with automatic exposure adjustment. 2,150,365; Mar. 14.
East, Bion R. (See Briod, A. E., and East.)
Eastman Kodak Company. (See Fisher, Webster E., assignor.)
Eastman Kodak Company. (See Fuller, Albert B., assignor.)
Eastman Kodak Company. (See Gallagher, M., and Hasche, assignors.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Mannes, L. D., and Godowsky, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Leermakers, assignors.)
Eastman Kodak Company. (See Mihalyl, Joseph, assignor.)
Eastman Kodak Company. (See Morey, George W., assignor.)
Eastman Kodak Company. (See Muehler, Lowell E., assignor.)
Eastman Kodak Company. (See Nelson, John B., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Vanselow, assignors.)
Eastman Kodak Company. (See Stetson, Paul C., assignor.)
Eastman Kodak Company. (See Ville, Joseph C., assignor.)
Easy Washing Machine Corporation. (See Geldhof, Peter E., assignor.)
Easy Washing Machine Corporation. (See Nelson, Jabez C., assignor.)
Eaton, John F., assignor to American Steel Derrick Company, Tulsa, Okla. Counterbalancing device. 2,150,822; Mar. 14.
Eaton Manufacturing Company. (See Hoern, Joseph H., assignor.)
Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Transmission. 2,150,432; Mar. 14.
Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Tractor. 2,150,433; Mar. 14.
Eckert, David. (See Richmond, L., and Eckert.)
Eclipse Aviation Corporation. (See Allen, Joseph W., assignor.)
Eclipse Aviation Corporation. (See Nowosielski, Edward B., assignor.)
Edison General Electric Company. (See Berg, Leo F., assignor.)
Edison, Thomas A., Incorporated. (See Langley, Sam G., assignor.)
Edwards, Crewdson. (See Edwards, Judson T. and C.)
Edwards, Donald V., Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive cab signaling and train control system. 2,150,857; Mar. 14.
Edwards, Hilding, New York, N. Y. Loader conveyer. 2,150,211; Mar. 14.
Edwards, Hilding, New York, N. Y. Guiding means for conveyer chains. 2,150,320; Mar. 14.
Edwards, Judson T. and C., assignors to F. Turshin, St. Louis, Mo. Electric shampoo container. 2,150,762; Mar. 14.
Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window construction. 2,150,675; Mar. 14.
Edwards, O. M., Company, The. (See Edwards, Oliver M., assignor.)
Eger, Ernst, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Inner tube for pneumatic tires. 2,150,648; Mar. 14.

Eggert, John, Leipzig-Gohlis, and A. Küster, Dessau in Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Recording sound photographically. 2,150,823; Mar. 14.

Eggleston, Gilbert K., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,150,858; Mar. 14.

Ehrhart, Oskar, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Converting gold, platinum, and other metals of the platinum group into a dissolved form. 2,150,366; Mar. 14.

Ehrlich, Samuel D. (See Franz, B. M., Wilkinson, and Ehrlich.)

Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Making center spot crowns. 2,150,212; Mar. 14.

Eisele, Daniel K., Philadelphia, Pa. Fireplace screen. 2,150,367; Mar. 14.

Elastic Stop Nut Corporation. (See Thomas, Harold B., assignor.)

Electric Machinery Mfg. Company. (See Swanson, Edwin W., assignor.)

Electric Service Supplies Company. (See Hutchins, O., and McFarlin, assignors.)

Electrolux Corporation. (See Forsberg, Axel A., assignor.)

Electro Metallurgical Company. (See Avery, Julian M., assignor.)

Electronic Devices Limited. (See Schwerin, P., and Atkins, assignors.)

Ellicott Company. (See McDermet, J. R., and Keebler, assignors.)

Elliott, Harold E., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Marking machine. 2,150,272; Mar. 14.

Elliott, Harry C., Cincinnati, Ohio, assignor to The Mississippi Valley Barge Line Company, St. Louis, Mo. Barge construction. 2,150,763; Mar. 14.

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Petroleum oil spread for bread and the like. 2,150,649; Mar. 14.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Ellis-Foster Company. (See Kropa, Edward L., assignor.)

Embree, Norris D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. High vacuum. 2,150,676; Mar. 14.

Emerson Electric Mfg. Co. (See Rodgers, James A., assignor.)

Emsco Derrick & Equipment Company. (See Tremolada, Guglielmo, assignor.)

Engineering Laboratories, Inc. (See Scherbatskoy, Serge A., assignor.)

Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)

Eppenstein, Otto, Jena, Germany, assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y. Device for deviating a pencil of light rays. 2,150,514; Mar. 14.

Ericsson, Ernst A. J., Gothenburg, Sweden. Holder for surgical needles. 2,150,496; Mar. 14.

Ernst, Henry J., Southgate, Ky. Sewing machine and process. 2,150,677; Mar. 14.

Errig, William F., assignor to Peco Manufacturing Corporation, Philadelphia, Pa. Tire rim. 2,150,650; Mar. 14.

Evans, Frank. (See Miller, J. H., and Evans.)

Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Transmission for ensilage cutters. 2,150,213; Mar. 14.

Ewing, Wylie B., Wheeling, W. Va., assignor, by mesne assignments, to Vulcan Rail and Construction Company, Maspeth, N. Y. Railing and manufacture thereof. 2,150,651; Mar. 14.

Exhibit Supply Company, The. (See Meyer, John F., assignor.)

Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Testing device. 2,150,545; Mar. 14.

Fairbairn, Robert L., Winnipeg, Manitoba, Canada. Control for accordions. 2,150,600; Mar. 14.

Fanzoi, John. (See Rhodes, M. H., and Fanzoi.)

Farineau, Alfred J., assignor of one-fifth to R. M. Kuhn and one-fifth to R. C. Corey, Pittsburgh, Pa. Carburetor. 2,150,764; Mar. 14.

Farquhar, A. B., Co. (See Heim, Daniel C., assignor.)

Ferm, John F. (See Ross, F. N., Scoutten, and Ferm.)

Fernberg, Eric B., Pinner, England. Fastener. 2,150,497; Mar. 14.

Ferris, William D., Sterling, and C. R. Wolf, Rock Falls, assignors to Frantz Manufacturing Co., Sterling, Ill. Overhead door. 2,150,321; Mar. 14.

Ferrocon Corporation. (See Kotrbaty, Guy F., assignor.)

Ferry, Joseph D., Harrisburg, Pa. Food cooking apparatus. 2,150,273; Mar. 14.

Field, John F., Owosso, Mich. Seed cleaning machine. 2,150,716; Mar. 14.

Filter Tips Limited. (See May, Rowland F., assignor.)

Finlay, Archibald H., Holywood, Northern Ireland. Furniture. 2,150,434; Mar. 14.

Fischer, Arnold F., Astoria, Long Island, assignor to Hobbs Sales & Service Station, Inc., New York, N. Y. Feed roll mechanism. 2,150,824; Mar. 14.

Fisher, Webster E., assignor to Eastman Kodak Company, Rochester, N. Y. Condenser. 2,150,678; Mar. 14.

Fitzgerald, Bessie V. (See Fitzgerald, Claude J. and B. V.)

Fitzgerald, Claude J. and B. V., Wyandotte, Mich. Locking a prisoner in an automobile. 2,150,368; Mar. 14.

Flader, Fredric E., Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Wing structure. 2,150,546; Mar. 14.

Flint, Robert R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Long chain alkyl quaternary ammonium fluosilicates. 2,150,601; Mar. 14.

Floreth, Alvin H., Chicago, Ill. Door closer and mount. 2,150,435; Mar. 14.

Flukes, Andrew, Gary, Ind., assignor to Mills Novelty Company, Chicago, Ill. Refrigerating apparatus. 2,150,369; Mar. 14.

Ford, Florence M., and A. L. Lippert, assignors to Joseph Bancroft & Sons Co., Wilmington, Del. Organdy. 2,150,825; Mar. 14.

Ford Roofing Products Company. (See O'Reilly, Martin G., assignor.)

Forsberg, Axel A., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Coupling. 2,150,765; Mar. 14.

Foster, Boutwell H., Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Fabric construction and method of making. 2,150,652; Mar. 14.

Foster, Nathanial L. (See Sipe, Harry E., assignor.)

Fox, Martin, assignor to The Seng Company, Chicago, Ill. Studio couch. 2,150,879; Mar. 14.

Franghia, Byron, Paris, France, assignor to British Hygienic Containers Limited, London, England. Apparatus for working sheet material. 2,150,890; Mar. 14.

Franklin, Harrison, Oklahoma City, Okla. Dustproof ventilator. 2,150,157; Mar. 14.

Franklin Rayon Corporation. (See Atwell, Everett C., assignor.)

Frantz Manufacturing Co. (See Ferris, W. D., and Wolf, assignors.)

Franz, Burvee M., J. W. Wilkinson, and S. D. Ehrlich, New Haven, Conn, assignors, by mesne assignments, to Western Cartridge Company. Normal lead styphnate and making it. 2,150,653; Mar. 14.

Frederick Post Company, The. (See Hinman, W. M., and Hollmann, assignors.)

Fretter, Nathan F. (See Lewis, A. L., and Fretter.)

Frolich, Per K., Westfield, and J. I. Wasson, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymerized fatty oil. 2,150,370; Mar. 14.

Fronefield, Louis H., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,140, 214; Mar. 14.

Frost, Bernard J., assignor to Morris Simon, and himself, Chicago, Ill. Collapsible container. 2,150,620; Mar. 14.

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Frusher, Tom, Jr., Groton, Conn, assignor to Rodney Hunt Machine Company, Orange, Mass. Fulling canal. 2,150,679; Mar. 14.

Fry, George A., Pietermaritzburg, Natal, Union of South Africa. Preparation for the treatment of wood and other building material and the like against the action of white ants and other insects and against weathering. 2,150,436; Mar. 14.

Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Timing device. 2,150,680; Mar. 14.

Fuller Frederick L., and G. F. Daly, West Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y. Department store machine. 2,150,215; Mar. 14.

Fuller Frederick L., West Orange, N. J., and S. Brand, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,150,216; Mar. 14.

Furnish, Arthur H., Cardington, Ohio. Freight transporting mechanism. 2,150,371; Mar. 14.

Gallagher, Milton, and R. L. Hasche, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Manufacture of propionic aldehyde. 2,150,158; Mar. 14.

Garnett, Edward V. (See Garnett, Vactor G. and E. V.)

Garnett, Vactor G. and E. V., Denver, Colo. Dual wheel spring mounting. 2,150,322; Mar. 14.

Geddes, Ray L., Hammond, Ind., and E. W. Thiele, assignors to Standard Oil Company, Chicago, Ill. Bubble tower construction. 2,150,498; Mar. 14.

Geisel, Theodor S. (See Warren, R., and Geisel.)

Geldhof, Peter E., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Agitator for washing machines. 2,150,654; Mar. 14.

General Aniline Works, Inc. (See Lange, Werner, assignor.)

General Aniline Works, Inc. (See Schultis, C. T., and Korten, assignors.)

General Aniline Works, Inc. (See Zerweck, W., Heinrich, and Trösken, assignors.)

General Electric Company. (See Brown, George R., assignor.)

General Electric Company. (See Harlow, Winton G., assignor.)

General Electric Company. (See Kingdon, Kenneth H., assignor.)

General Electric Company. (See Moles, Frank J., assignor.)

General Electric Company. (See Morrill, Weston, assignor.)

General Electric Company. (See Nickle, C. A., and Brophy, assignors.)

General Electric Company. (See Rist, Hans.)

General Motors Corporation. (See Brouwer, R. D., Delaval-Crow, and Cobb, assignors.)

General Motors Corporation. (See Hull, Harry B., assignor.)

General Motors Corporation. (See Kettering, Charles F., assignor.)

General Motors Corporation. (See Perrine, Lester E., assignor.)

General Motors Corporation. (See Thomson, Bernard, assignor.)

General Paper Products Corp. (See Pitt, Ralph T., assignor.)

General Railway Signal Company. (See Edwards, Donald V., assignor.)

General Railway Signal Company. (See Wight, Sedgwick N., assignor.)

Gerard, Frank W. (See Jennings, C. S., and Gerard.)

Gere, Harry L., Bayonne, N. J. Range or stove having burner chambers for oil burners. 2,150,681; Mar. 14.

Gettelman, Fredrick, Milwaukee, Wis. Roof. 2,150,217; Mar. 14.

Gibson, Robert H., and W. D. Crocker, assignors to American Bosch Corporation, Springfield, Mass. Ventilator attachment for electric ignition apparatus. 2,150,859; Mar. 14.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. Metal recovery. 2,150,437; Mar. 14.

Gill, Clarence L., assignor to Appliance Products Company, Madison, Wis. Garment hanger support. 2,150,826; Mar. 14.

Gillette Safety Razor Company. (See Tuttle, Charles J., assignor.)

Ginaca, Aquiles A., Buenos Aires, Argentina. Preserving cereals and the like. 2,150,827; Mar. 14.

Gingell, Harry, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating articles of sheet material. 2,150,274; Mar. 14.

Gleason Works. (See Bauer, Oliver F., assignor.)

Goehnauer, Marshall, Washington, D. C. Building block. 2,150,828; Mar. 14.

Goddard, Anne, assignor of thirty percent to T. Pacanins, New York, N. Y., and fifteen percent to F. Gomez. Film packet for cameras. 2,150,372; Mar. 14.

Goder, Max, Neuss-on-the-Rhine, Germany. Method and device for the mechanical production of multiple walled paper bags. 2,150,275; Mar. 14.

Godowsky, Leopold, Jr. (See Mannes, L. D., and Godowsky.)

Gold, Nathan, Portland, Oreg. Method and means of making hand-made neckties. 2,150,438; Mar. 14.

Goltz, Gus, assignor of one-half to G. Stebbe, Beausejour, Manitoba, Canada. Automatic water fountain for chickens. 2,150,499; Mar. 14.

Gomez, Florencio, et al. (See Goddard, Anne, assignor.)

Gorman, Jesse E., assignor to E. L. Kennedy, Oakland, Calif. Refrigerating unit. 2,150,276; Mar. 14.

Graf, Leo, Cologne-Bickendrof, assignor to K. Werth, Berlin, Germany. Sparking plug. 2,150,500; Mar. 14.

Grauel, Ernest H. (See Harrison, T. R., Grauel, and Kessler.)

Gray, Alvin E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,150,218; Mar. 14.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,150,159; Mar. 14.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,150,160; Mar. 14.

Gray, Harry Z. (See Mulford, M. R., and Gray.)

Gray Tool Company. (See Mueller, R. A., and Smith, assignors.)

Green, Norval H., North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrode mount. 2,150,323; Mar. 14.

Green, Samuel G., Gray, Ga. Muzzle attachment for guns. 2,150,161; Mar. 14.

Griffiths, Alfred, Liverpool, England. Washing or cleaning tumblers and like articles. 2,150,602; Mar. 14.

Grishkevich, Max, Gary, Ind. Adjustable screen and window for automobiles. 2,150,829; Mar. 14.

Grünbaum, Ludwig, Charlottenburg-Berlin, Germany. Automatic coin-operated time control switch mechanism. 2,150,324; Mar. 14.

Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Aluminum alloys. 2,150,219; Mar. 14.

Gutman, Ferdinand, & Co. (See Eisen, Jay B., assignor.)

Haas, Lucien L. (See Starkweather, G. C., and Haas.)

Haines, James R. (See Andrews, H. B. and Haines.)

Hall, Edwin S., New Haven, Conn. Internal combustion engine. 2,150,162; Mar. 14.

Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Pilot for valve seat facing tools. 2,150,621; Mar. 14.

Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)

Hallerberg, Theodore W. (See Mieras, M. A., and Hallerberg.)

Hallisy, James, Parma, Ohio. Erecting concrete structures. 2,150,830; Mar. 14.

Halloran, Ralph A., and A. L. Lyman, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Dewaxing of petroleum oils. 2,150,501; Mar. 14.

Hamilton, Francis E., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Card handling machine. 2,150,220; Mar. 14.

Hamilton, Francis C., Evanston, Ill., assignor of one-half to L. R. Schuessler, St. Louis, Mo. Beverage dispensing assembly. 2,150,439; Mar. 14.

Hammersmith, Charles J., Hollis, N. Y. Air cooled piston. 2,150,740; Mar. 14.

Hancock Bros. (See Craig, H. G., and Pride, assignors.)

Haney, David E., Minor Hill, Tenn. Jack. 2,150,831; Mar. 14.

Hanna, William T., Cincinnati, Ohio. Stoker construction. 2,150,163; Mar. 14.

Hansen Canning Machinery Corporation. (See Christel, William F., assignor.)

Hargreaves, William, Bergenfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Magnetic and resonator selector for carrier conveyers. 2,150,440; Mar. 14.

Harlow, Winton G., Springfield, Pa., assignor to General Electric Company. Mounting for electric switches. 2,150,766; Mar. 14.

Harris, Thomas, Providence, R. I. Invalid chair. 2,150,441; Mar. 14.

Harrison, Archibald A., and H. Samuels, Blackley, England, assignors to Imperial Chemical Industries Limited. Manufacture of phthalocyanine coloring matters soluble in organic media. 2,150,741; Mar. 14.

Harrison, Thomas R., Wyncote, E. H. Grauel, Conshohocken, and J. E. Kessler, assignors to The Brown Instrument Company, Philadelphia, Pa. Measuring, indicating, and recording instrument. 2,150,502; Mar. 14.

Hasche, Rudolph L. (See Gallagher, M., and Hasche.)

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Hauser, George D., assignor to Utica Products Incorporated, Utica, N. Y. Casing for furnaces and the like. 2,150,682; Mar. 14.

Hawkins, Roe C., Long Beach, Calif. Barrel truck. 2,150,503; Mar. 14.

Hazelton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 2,150,277; Mar. 14.

Heath, Sheldon B., and J. W. Corey, assignors to The Dow Chemical Company, Midland, Mich. Fertilizer. 2,150,164; Mar. 14.

Hedrick, Gale H., Glenshaw, Pa., assignor to Maremont Automative Products, Inc., Chicago, Ill. Muffler. 2,150,768; Mar. 14.

Hegenbarth, Francis, Birmingham, Ala. Manufacture of cane crushing rolls. 2,150,278; Mar. 14.

Heim, Daniel C., Sunbury, assignor to A. B. Farquhar Co., Limited, York, Pa. Treating plants for parasites. 2,150,767; Mar. 14.

Heinrich, Ernst. (See Zerweck, W., Heinrich, and Trösken.)

Hemphill Company. (See Lawson, John and R. H.)

Hendrey, Waldersee B., and E. C. Knowles, Beacon, assignors to The Texas Company, New York, N. Y. Dewaxing mineral oil. 2,150,547; Mar. 14.

Henrick Manufacturing Company. (See Colville, Kenneth H., assignor.)

Hendrickson, Niels E., assignor to The Mather Spring Company, Toledo, Ohio. Load cushioning. 2,150,622; Mar. 14.

Henriques, Hilary J. (See McKittrick, D. S., and Henriques.)

Hercules Powder Company. (See Littmann, Edwin R., assignor.)

Hercules Powder Company. (See Tinsley, John S., assignor.)

Herzog, Rupert C., Chicago, Ill. Calorie counter. 2,150,442; Mar. 14.

Hess, Frederick W., Haddonfield, N. J. Carbonated beverage flow control. 2,150,655; Mar. 14.

Hettrick Manufacturing Company, The. (See Yerrick, Harry A., assignor.)

Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Distillation process. 2, 150,683; Mar. 14.

Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Distillation of solids. 2,150,684; Mar. 14.

Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. Process and means for the production of vacua. 2,150,685; Mar. 14.

Hill, Henry C., Paterson, N. J., assignor to Wright Aeronautical Corporation. Connecting rod. 2,150,548; Mar. 14.

Hinderliter, Frank J., Tulsa, Okla. Rotary tool joint. 2,150,221; Mar. 14.
Hinman, Walker M., Winnetka, and W. G. Hollmann, assignors to The Frederick Post Company, Chicago, Ill. Manufacture of tertiary amine of the dimethyl aniline type. 2,150,832; Mar. 14.
Hitchcock, William J., Scotia, N. Y. Razor blade or other cutting edge. 2,150,549; Mar. 14.
Hitt, Maurice V. (See Cochran, P. B., Hitt, and Van Taylor.)
Hoag, Roderick W., Melrose, Mass. Folding box. 2,150,443; Mar. 14.
Hobbs, Harold B., Omaha, Nebr. Hair curling device. 2,150,504; Mar. 14.
Hobbs Sales & Service Station, Inc. (See Fischer, Arnold F., assignor.)
Hockett, Wayne A., Waseca, Minn. Motor wheel unit. 2,150,833; Mar. 14.
Hoern, Joseph H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,150,444; Mar. 14.
Hoffman, Henry C., Forest Hills, N. Y. Bracket. 2,150,222; Mar. 14.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 2,150,230; Mar. 14.
Hollmann, Hans E., Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation. Device for oscillographically recording the action voltages of the human heart. 2,150,223; Mar. 14.
Hollmann, Walter G. (See Hinman, W. M., and Hollmann.)
Holman, Arthur J., East Orange, N. J. Motion picture apparatus for projecting composite screen images. 2,150,105; Mar. 14.
Holst, Gilles, and J. H. de Boer, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Sound record and making same. 2,150,834; Mar. 14.
Hoover, Charles E., Jr., Maplewood, N. J. Apparatus of milling pigment. 2,150,603; Mar. 14.
Houston, Richard G. (See Davis, J. W., and Houston.)
Hughes, Burton S., assignor to Zaremba Company, Buffalo, N. Y. Evaporator. 2,150,860; Mar. 14.
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,150,224; Mar. 14.
Hunicke, Clarence C., Palisade, N. J., assignor to Auditorium Conditioning Corporation. Air conditioner. 2,150,505; Mar. 14.
Hunt, Rodney, Machine Company. (See Frusher, Tom, Jr., assignor.)
Hutchins, Otis, assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide product and making the same. 2,150,166; Mar. 14.
Hutchins, Otis, Niagara Falls, N. Y., and J. R. McFarlin, assignors to Electric Service Supplies Company, Philadelphia, Pa. Current control and discharge of transient overvoltages. 2,150,167; Mar. 14.
Hyatt, Wilbert J., London, Ontario, Canada. Tandem axle hook-up. 2,150,604; Mar. 14.
Hymans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Elevator safety device. 2,150,373; Mar. 14.
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Küster, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Messner, Georg, assignor.)
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Iddink, Johannes. (See Kuiper, Cornelis, assignor.)
Ideal Roller & Manufacturing Company. (See Davis, Arthur B., assignor.)
Ideal Roller & Manufacturing Company. (See Lambert, Harry E., assignor.)
Illinois Watch Case Company. (See Ziehm, Kurt F., Jr., assignor.)
Imperial Chemical Industries Limited. (See Harrison, A. A., and Samuels, assignors.)
Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)
Imperial Chemical Industries Limited. (See Mendoza, M., and White, assignors.)
Industrial Process Corporation. (See Minor, Henry R., assignor.)
International Business Machines Corporation. (See Daly, G. F., and Lowkrantz, assignors.)
International Business Machines Corporation. (See Fronefield, Louis H., assignor.)
International Business Machines Corporation. (See Fuller, F. L., and Brand, assignors.)
International Business Machines Corporation. (See Fuller, F. L., and Daly, assignors.)
International Business Machines Corporation. (See Gray, Alvin E., assignor.)
International Business Machines Corporation. (See Hamilton, Francis E., assignor.)
International Business Machines Corporation. (See Lake, C. D., and Pfaff, assignors.)
International Business Machines Corporation. (See Miles, Joseph W., assignor.)
International Business Machines Corporation. (See Nichols, Harry J., assignor.)
International Business Machines Corporation. (See Nichols, H. J., and Tholstrup, assignors.)
International Business Machines Corporation. (See Page, Ralph E., assignor.)
International Business Machines Corporation. (See Warren, Richard, assignor.)
International Engineering Corporation. (See Brace, Kemper P., assignor.)
Interwoven Stocking Company. (See Mettler, John W., assignor.)
Interwoven Stocking Company. (See Miller, J. H., and Evans, assignors.)
Isaac, Moses H., executor, et al. (See Molins, W. E., and Nichols.)
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,150,168; Mar. 14.
Jackson, Corwill, Ludington, Mich. Concrete placement machine. 2,150,325; Mar. 14.
Jackson, Corwill, Ludington, Mich. Concrete placing apparatus. 2,150,326; Mar. 14.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Multiple unit hearth bread baking pan. 2,150,623; Mar. 14.
Jacobs, Albert L., et al. (See Willat, Arnold F., assignor.)
Jacuzzi Bros. Inc. (See Jacuzzi, Frank, assignor.)
Jacuzzi, Frank, Berkeley, Calif., assignor to Jacuzzi Bros. Inc. Pumping apparatus. 2,150,799; Mar. 14.
Jakosky, John J., Los Angeles, Calif. Method and apparatus for continuous exploration of bore holes. 2,150,169; Mar. 14.
James, Henry D. (See Rugg, W. S., and James.)
Jaxon, George S., Chicago, Ill., assignor to Link-Belt Company. Apparatus for screening and loading coal. 2,150,717; Mar. 14.
Jennings, Chester S., Syracuse, N. Y., and F. W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y. Drying materials. 2,150,445; Mar. 14.
Johnson, Albert A., Kew Gardens, N. Y. Truck body. 2,150,624; Mar. 14.
Johnson, Bror A. (See Mossberg, F., and Johnson.)
Johnson, Charles R., Glen Mills, Pa., and W. E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting cap. 2,150,374; Mar. 14.
Johnson, James W., Los Angeles, Calif. Egg candling machine. 2,150,375; Mar. 14.
Jones, Lloyd T., H. E. Kennedy, and M. A. Rotermund, Berkeley, Calif., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Making flux for use in electric welding. 2,150,625; Mar. 14.
Jordan, John F., assignor to The Baldwin Company, Cincinnati, Ohio. Shielded multiple discharge tube. 2,150,860; Mar. 14.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Stiffener placing machine. 2,150,279; Mar. 14.
Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., and Sils, assignors.)
Kane, James H., assignor of one-half to A. T. Roche, San Francisco, Calif. Hosiery guard. 2,150,327; Mar. 14.
Karlan, Jacob, New York, N. Y. Finger ring and making it. 2,150,446; Mar. 14.
Karlan, Jacob, New York, N. Y. Making finger rings. 2,150,447; Mar. 14.
Kaszab, Nicholas T., New York, N. Y. Screen for stereoscopic pictures. 2,150,225; Mar. 14.
Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company. (See Oltman, Ray C., assignor.)
Kazimirow, Antonina M., Shanghai, China. Nursing device. 2,150,835; Mar. 14.
Keagy, E. J. W., et al. (See Willat, Arnold F., assignor.)
Keall, Oswold E., Chelmsford, and E. O. Smith, New Southgate, London, England, assignors to Radio Corporation of America. Mounting arrangement for piezoelectric crystals. 2,150,328; Mar. 14.
Keating, Herbert S., North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical device. 2,150,376; Mar. 14.
Keaton, Clyde D., Long Island City, assignor to S. S. Tumbridge, Brooklyn, N. Y. Electric coffee maker. 2,150,801; Mar. 14.
Keebler, Paul T. (See McDermet, J. R., and Keebler.)
Keeling, William O., Pittsburgh, Pa. Treating raw gasoline distillates. 2,150,170; Mar. 14.
Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany. Arrangement for testing the inner work absorbed by materials. 2,150,377; Mar. 14.
Keller, Carl R., Port Clinton, Ohio. Florist's pack. 2,150,550; Mar. 14.
Keller, William J., St. Louis, Mo. Lamp shade. 2,150,378; Mar. 14.
Kelley, Charles F., et al. (See Derby, John H., assignor.)
Kelly, John H., Jr., Chicago, Ill. Synthetic resin and preparing same. 2,150,506; Mar. 14.

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kemp, Roland J., Chelmsford, England, assignor to Radio Corporation of America. Direction finding system. 2,150,551; Mar. 14.
Kennedy, E. L. (See Gorman, Jesse E., assignor.)
Kennedy, Harry E. (See Jones, L. T., Kennedy, and Rotermund.)
Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Apparatus for classifying material. 2,150,226; Mar. 14.
Kennedy-Van Saun Mfg. & Eng. Corporation. (See Kennedy, Joseph E., assignor.)
Kerrick, Walter B. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Kerschbaum, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Mercury switch. 2,150,379; Mar. 14.
Kessler, J. Ernest. (See Harrison, T. R., Grauel, and Kessler.)
Kettering, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Control means for refrigerating apparatus. 2,150,880; Mar. 14.
Killian, Charles M., Miami, assignor to D. L. Killian, Kendall, Fla. Window protector. 2,150,280; Mar. 14.
Killian, Dan L. (See Killian, Charles M., assignor.)
King, Edward A., Dorchester, assignor of one-half to C. F. Adams, Framingham, Mass. Collar and lining material therefor. 2,150,881; Mar. 14.
King, Henry J. H., Nailsworth, England. Malt house. 2,150,769; Mar. 14.
Kingdon, Kenneth H., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,150,770; Mar. 14.
Kirst, William E. (See Johnson, C. R., and Kirst.)
Kitzmeyer, Edmund L., Bloomfield, N. J. Propagation of culture yeast. 2,150,329; Mar. 14.
Klever, William E., Washington Court House, Ohio. Casket bier. 2,150,582; Mar. 14.
Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Azo dyestuffs. 2,150,380; Mar. 14.
Knowles, Edwin C. (See Hendrey, W. B., and Knowles.)
Knowles, Edwin C., Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing mineral oil. 2,150,552; Mar. 14.
Koch, Josef, Essen, Germany. Producing printing surfaces for intaglio printing. 2,150,281; Mar. 14.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Multiwave band superheterodyne receiver. 2,150,553; Mar. 14.
Kollsman, Paul, New York, N. Y. Self-compensating aneroid. 2,150,771; Mar. 14.
Kolly, Erwin M., Zurich, Switzerland. Garment with disappearing-type hood. 2,150,171; Mar. 14.
Korten, Ernst. (See Schultis, C. T., and Korten.)
Kotrbaty, Guy F., Chestnut Hill, assignor to Ferrocon Corporation, Bryn Mawr, Pa. Nailable composite structural member and building unit. 2,150,172; Mar. 14.
Kraynick, Andras, Milwaukee, Wis. Clothespin. 2,150,686; Mar. 14.
Kropa, Edward L., East Orange, N. J., assignor to Ellis-Foster Company. Alkyl methacrylic esters and making same. 2,150,507; Mar. 14.
Kroydon Company. (See Chittick, Charles V., assignor.)
Krupp, Fried., Grusonwerk, Aktiengesellschaft. (See Rosenbaum, Kurt, assignor.)
Kuhn, Richard M., et al. (See Jarineau, Alfred J., assignor.)
Kuiper, Cornelis, Zetten, assignor to J. Iddink, Ede, Netherlands. Appliance for use in the teaching of arithmetic. 2,150,508; Mar. 14.
Kunowich, Adam P., Decatur, Ind. Automatic igniter. 2,150,687; Mar. 14.
Kuppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Filter attaching means for photographic cameras. 2,150,626; Mar. 14.
Kürtössy, László, Berlin, Germany, assignor to Union Kupplung, Aktiengesellschaft, Luxemburg, Luxemburg. Automatic buffer coupling. 2,150,330; Mar. 14.
Küster, Alfred. (See Eggert, J., and Küster.)
La Hodny, William, assignor to Standard Mirror Company, Inc., Buffalo, N. Y. Support. 2,150,173; Mar. 14.
Lake, Clair D., Binghamton, and W. Pfaff, Union Center, assignors to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,150,227; Mar. 14.
Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,150,836; Mar. 14.
Lamb, Luther F., Dallas, Tex. Packer. 2,150,228; Mar. 14.
Lambert, Harry E., Berwyn, assignor to Ideal Roller & Manufacturing Company, Chicago, Ill. Apparatus for sectioning of inking rollers. 2,150,174; Mar. 14.
Lamson Company, The. (See Jennings, C. S., and Gerard, assignors.)
Landis Tool Company. (See Price, R. E., Balsiger, and Ott, assignors.)
Landrum, Floyd R., Dallas, Tex. Electrically operated parking meter. 2,150,509; Mar. 14.
Lang, Wilhelm. (See Ploke, M., and Lang.)
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyes. 2,150,772; Mar. 14.
Langley, Sam G., Maplewood, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,150,554; Mar. 14.
Lansing, Charles B., Gates Mills, Ohio. Stone sawing machine. 2,150,381; Mar. 14.
Lapointe Machine Tool Company. (See West, Donald H., assignor.)
Lapsley, Robert. (See Burrows, R. J., Lapsley, and Williams.)
Latsch, Louis M., Akron, Ohio. Adjustable supporting bracket for tools and the like. 2,150,802; Mar. 14.
Laucks, I. F., Inc. (See Bowen, A. H., and Dike, assignors.)
Laucks, I. F., Incorporated. (See Laucks, I. F., and Davidson, assignors.)
Laucks, I. F., Inc. (See Rippey, H. F., and Dike, assignors.)
Laucks, Irving F., and G. Davidson, assignors to I. F. Laucks, Incorporated, Seattle, Wash. Glue and method of making. 2,150,175; Mar. 14.
Lawrence, Jay B., Glen Ellyn, Ill., assignor to American Decalcomania Company. Revenue stamp. 2,150,718; Mar. 14.
Lawson, John, Bristol, and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitted fabric and knitting the same. 2,150,773; Mar. 14.
Lawson, Robert H. (See Lawson, John and R. H., assignors.)
Leader, Florence. (See Leader, George W., Sr., assignor.)
Leader, George Washington, Sr., assignor of one-half to F. Leader, Philadelphia, Pa. Necktie. 2,150,861; Mar. 14.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Induced shunting. 2,150,774; Mar. 14.
Leemans, Joseph P., assignor to Société Générale Metallurgique de Hoboken, Hoboken-lez-Anvers, Belgium. Treatment of materials containing tantalum and/or niobium. 2,150,555; Mar. 14.
Leermakers, John A. (See McNally, J. G., and Leermakers.)
Leidig, Clarence A., Buffalo, assignor of forty-five per cent to S. C. Wead, North Tonawanda, N. Y. Heat exchange unit. 2,150,803; Mar. 14.
Leischner, Georg, Berlin-Schmockwitz, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Regulating transformer. 2,150,382; Mar. 14.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Apparatus for forming castings. 2,150,510; Mar. 14.
Leon, Peter F., Oranjestad, Aruba, Dutch West Indies. Combined ship's bitt and ventilator. 2,150,556; Mar. 14.
Leopold, Charles S., Elkins Park, Pa. Cooling system. 2,150,229; Mar. 14.
Lester, Herbert T., Marine City, Mich. Flower pan. 2,150,605; Mar. 14.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levy, Austin T. (See Magnuson, John H., assignor.)
Levy, Austin T., Harrisville, R. I. Making building foundations. 2,150,176; Mar. 14.
Lewers, George R., Brooklyn, assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y. Incineration. 2,150,231; Mar. 14.
Lewis, Arthur L., New London, and N. F. Fretter, assignors to The Atwood Machine Company, Stonington, Conn. Feeding device for textile machines. 2,150,882; Mar. 14.
Libby, McNeill & Libby. (See Williams, Ray D., assignor.)
Libbey-Owens-Ford Glass Company. (See Biggers, John D., assignor.)
Libbey-Owens-Ford Glass Company. (See Morris, Joseph R., assignor.)
Libby Glass Company. (See Schutz, Harold R., assignor.)
Lieber, Isaac, New York, assignor, by mesne assignments, to O. Lindner, Brooklyn, N. Y. Closure. 2,150,627; Mar. 14.
Lincoln, Bert H., and G. D. Byrkit, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,150,177; Mar. 14.
Lindeman, James E., Evanston, Ill., assignor, by mesne assignments, to Champion Brake Corporation, Wilmington, Del. Hand brake mechanism for railway cars. 2,150,742; Mar. 14.
Lindner, Oscar. (See Lieber, Isaac, assignor.)
Link Belt Company. (See Jaxon, George S., assignor.)
Lippert, Arnold L. (See Ford, F. M., and Lippert.)
Littmann, Bernhard, Richmond Heights, and R. C. Rueff, assignors to Nixdorff-Krein Manufacturing Co., St. Louis, Mo. Antiskid device. 2,150,448; Mar. 14.
Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Purification of maleic anhydride. 2,150,331; Mar. 14.
Logansport Machine, Inc. (See Cotner, John C., assignor.)
Long, Frank V., Los Angeles, Calif. Swing joint. 2,150,583; Mar. 14.
Long, John R. (See Brittain, William W., assignor.)

Lord, Hugh C. and T., Erie, Pa.: said T. Lord assignor to said H. C. Lord. Forming joints and joint strips adapted to form joints. 2,150,282; Mar. 14.
Lord, Thomas. (See Lord, Hugh C. and T.)
Louis, Terrence G., assignor to Wico Electric Company, West Springfield, Mass. Magneto. 2,150,688; Mar. 14.
Lounsbury, Harold I., Wilmington, assignor to Shell Development Company, San Francisco, Calif. Desulphurizing alkyl phenols. 2,150,656; Mar. 14.
Lowkrantz, Gunne. (See Daly, G. F., and Lowkrantz.)
Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Byrkit, assignors.)
Lyman, Arthur L. (See Halloran, R. A., and Lyman.)
Lynch, George J., administrator. (See Carroll, William L., assignor.)
MacLagan, Allan R., Western Springs, and F. F. Schuster, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Forming metal portions of coin collector housings. 2,150,383; Mar. 14.
MacLagan, Allan R., Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming sheet metal coin collector housings. 2,150,384; Mar. 14.
MacMullen, Clinton W., assignor to Röhm & Haas Company, Philadelphia, Pa. Preparing ammonium salts of sulphated primary alcohols. 2,150,557; Mar. 14.
MacNeill, John B., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,150,584; Mar. 14.
MacRill, John R., Whittier, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Method of and means for treating citrus fruits. 2,150,283; Mar. 14.
MacRill, John R., Whittier, and R. D. Nedvidek, Pomona, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Washing and conditioning material for citrus fruit. 2,150,284; Mar. 14.
Madden, William J., Lansdowne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Air conditioning apparatus for passenger cars. 2,150,449; Mar. 14.
Magnus Automatic Machine Company, The. (See Magnuson, John J., assignor.)
Magnuson, John H., assignor to A. T. Levy, Harrisville, R. I. Prefabricated building. 2,150,804; Mar. 14.
Magnuson, John J., assignor to The Magnus Automatic Machine Company, Incorporated, Waynesboro, Pa. Shoe polishing machine. 2,150,837; Mar. 14.
Mahler, William, assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife sharpening crank. 2,150,585; Mar. 14.
Maigre, Fred, et al. (See Delano, Frank, assignor.)
Major, Elbert S., et al. (See Major, Forrest J., assignor.)
Major, Forrest J., Ocean Park, assignor of one-third to P. O. Narveson, one-third to R. S. Major, Los Angeles, Calif., and one-third to E. S. Major, Atlanta, Ga. Incandescent lamp. 2,150,232; Mar. 14.
Major, Russell S., et al. (See Major, Forrest J., assignor.)
Maling, Roy, West Roxbury, Mass. Footwear. 2,150,385; Mar. 14.
Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cellulose esters from wood pulp. 2,150,689; Mar. 14.
Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Pretreatment for esterification of cellulose in attenuated form. 2,150,690; Mar. 14.
Maloney, Joe F., Houston, Tex. Screen pipe. 2,150,450; Mar. 14.
Malter, Louis. (See Zworykin, V. K., and Malter.)
Mancuso, Ralph J., Brooklyn, assignor to Royal Mounters, Inc., Long Island City, N. Y. Display device. 2,150,743; Mar. 14.
Maneval, Charles H., assignor to Standard Novelty Works, Duncannon, Pa. Hand coaster sled. 2,150,558; Mar. 14.
Manley, Jack M., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Harmonic producer. 2,150,386; Mar. 14.
Mannes, Leopold D., and L. Godowsky, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Color reproduction. 2,150,691; Mar. 14.
Marchey, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,150,744; Mar. 14.
Marek, Béla, and C. Sebesta, Budapest, Hungary. Hair curling apparatus. 2,150,285; Mar. 14.
Maremont Automotive Products, Inc. (See Hedrick, Gale H., assignor.)
Markwood, Jacob D., Minneapolis, Minn. Cleaning device for glass-washing machines. 2,150,511; Mar. 14.
Marsh, John H., Salford, England. Apparatus for the clearing and cleaning of yarns. 2,150,387; Mar. 14.
Martin, Glen L., Company, The. (See Adams, Parks M., assignor.)
Martin, Michael A., Erie, Pa. Refrigerating system and apparatus. 2,150,233; Mar. 14.
Martindell, Frank, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal for electrical devices. 2,150,388; Mar. 14.
Mason, Morris B. (See Ther, E. J., and Mason.)
Massey-Harris Company, The. (See Everett, Charles E., assignor.)
Mather Spring Company, The. (See Hendrickson, Niels E., assignor.)
Mathieu, Herman W. (See Rossander, S. S., and Mathieu.)
Matthews, Birchard L., assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic control device. 2,150,559; Mar. 14.
May, Rowland F., Potters Bar, assignor to Filter Tips Limited, London, England. Cigarette. 2,150,512; Mar. 14.
Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Fastener applying implement. 2,150,332; Mar. 14.
Maywald, Frederick J., Jr. (See Maywald, Frederick J. and F. J., Jr.)
Maywald, Frederick J. and F. J., Jr., Rutherford, N. J. Sponge rubber and making same. 2,150,178; Mar. 14.
McAdie, James, Dublin, Ireland. Apparatus for winding hair. 2,150,513; Mar. 14.
McAver, Walter J., Chicago, Ill. Concrete stair. 2,150,586; Mar. 14.
McCarroll, Francis, U. S. Navy. Parachute pack container. 2,150,179; Mar. 14.
McClure, James N., Monongahela, Pa. Mechanical interlock multiple apparatus controller. 2,150,838; Mar. 14.
McDermet, John R., and P. T. Keebler, assignors to Ellicott Company, Jeannette, Pa. Tube cleaner. 2,150,806; Mar. 14.
McFarlin, John R. (See Hutchins, O., and McFarlin.)
McInnerney, Benjamin, Omaha, Nebr. Air conditioning apparatus. 2,150,514; Mar. 14.
McKee Brothers Corporation. (See McKee, Glenn L., assignor.)
McKee, Glenn L., Oildale, assignor to McKee Brothers Corporation, Bakersfield, Calif. Hose clamp applying means. 2,150,234; Mar. 14.
McKinney, Robert M., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of titanium pigments. 2,150,235; Mar. 14.
McKinney, Robert M., Roselle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making titanium pigments. 2,150,236; Mar. 14.
McKittrick, Donald S., Oakland, and H. J. Henriques, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Solvent and dewaxing mineral oils. 2,150,334; Mar. 14.
McLain, Norman H., Buffalo, N. Y. Method of and means for preserving piling. 2,150,807; Mar. 14.
McLellan, Arthur M., Los Angeles, Calif., assignor to McLellan Steel Development Corporation. Building construction. 2,150,606; Mar. 14.
McLellan Steel Development Corporation. (See McLellan, Arthur M., assignor.)
McNally, James G., and J. B. Dickey, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Azo compounds. 2,150,180; Mar. 14.
McNally, James G., and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Dye composition and art of coloring therewith. 2,150,692; Mar. 14.
Mendoza, Mordecai, and G. S. J. White, Backley, Manchester, England, assignors to Imperial Chemical Industries Limited. Coloring of leather. 2,150,389; Mar. 14.
Mercier, Jean, Neuilly-sur-Seine, France. Valve with constant calibration. 2,150,390; Mar. 14.
Merrow Machine Company, The. (See Talmadge, Louis H., assignor.)
Messner, Georg, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytic cell. 2,150,775; Mar. 14.
Mettler, John W., East Millstone, assignor to Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 2,150,333; Mar. 14.
Meulendyke, Charles E., Rochester, N. Y. Preparing halftone negatives with variable-density screens. 2,150,805; Mar. 14.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Game apparatus. 2,150,515; Mar. 14.
Micro-Westco, Incorporated. (See Vollmer, Earl C., assignor.)
Mid-West Forge Company. (See Ross, F. N., Scontten, and Ferm, assignors.)
Mieras, Merritt A., and T. W. Hallerberg, Chicago, Ill., assignors, by mesne assignments, to United Specialties Company, Detroit, Mich. Air cleaner. 2,150,745; Mar. 14.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera winding device. 2,150,693; Mar. 14.
Miles, Joseph W., Chadwell Heath, England, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,150,237; Mar. 14.
Miller, Frank P., Meadville, Pa. Inserted blade cutter. 2,150,286; Mar. 14.
Miller, Gustaf E. (See Miller, Oscar E. and G. E.)
Miller, John H., and F. Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 2,150,335; Mar. 14.
Miller, John H., and F. Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Knitting. 2,150,336; Mar. 14.
Miller, Oscar E. and G. E., Stratton, Nebr. Depression-forming agricultural implement. 2,150,839; Mar. 14.
Miller, Washington J., San Francisco, Calif. Razor. 2,150,337; Mar. 14.
Mills Novelty Company. (See Flukes, Andrew, assignor.)
Milnor, Joseph W., Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. High frequency conductor system. 2,150,451; Mar. 14.

Milward, Victor T., Santa Barbara, Calif. Egg separator. 2,150,719; Mar. 14.
Minnecker, Carlisle F., Detroit, Mich. Electric clock. 2,150,516; Mar. 14.
Minor, Henry R., assignor to Industrial Process Corporation, Dayton, Ohio. Sponge rubber body of different densities. 2,150,287; Mar. 14.
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Mississippi Valley Barge Line Company, The. (See Elliott, Harry C., assignor.)
Mitscherling, Waldemar O., assignor to The Neon Research Corporation, Bridgeport, Conn. Hydrocarbon conversion. 2,150,657; Mar. 14.
Mizer, Joseph J., assignor to Walker Manufacturing Company, Racine, Wis. Safety stop for automobile hoists. 2,150,628; Mar. 14.
Moffat, Albert S., Watertown, assignor to United Water Cooler Service, Inc., Cambridge, Mass. Combined bottle closure and liquid withdrawal device. 2,150,862; Mar. 14.
Mohun, John L., Jr. (See Mosier, C., and Mohun.)
Moles, Frank J., Ferndale, Mich., assignor to General Electric Company. Traffic analyzer. 2,150,776; Mar. 14.
Molins, Harold B., executor, et al. (See Molins, W. E., and Nichols.)
Molins Machine Company. (See Bingham, Arthur, assignor.)
Molins Machine Company Limited. (See Molins, W. E., and Nichols, assignors.)
Molins, Walter E., deceased, by H. B. Molins, Deptford, London, and M. H. Isaacs, London, executors, and S. A. Nichols, assignors to Molins Machine Company, Limited, Deptford, London, England. Tobacco feeding apparatus. 2,150,607; Mar. 14.
Möller, Franz, Zella-Mehlis, Germany. Air pistol. 2,150,288; Mar. 14.
Moltkehansen, Ivar J., Uccle, Belgium. Electrolytic production of alkali metals. 2,150,289; Mar. 14.
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monsanto Chemical Company. (See Thomas, C. A., and Taylor, assignors.)
Moore, Lawrence A., et al. (See Bake, Clarence F., assignor.)
Morey, George W., Chevy Chase, Md., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Optical glass. 2,150,694; Mar. 14.
Morin, Louis H., Bronx, N. Y., assignor to The Coca-Cola Company, Wilmington, Del. Vending machine. 2,150,863; Mar. 14.
Morland & Impey Limited. (See Power, Richard Fitz, assignor.)
Morrill, Weston, Pittsfield, Mass., assignor to General Electric Company. Alkaline coating for sheet steel. 2,150,777; Mar. 14.
Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet-glass breaking apparatus. 2,150,391; Mar. 14.
Morse, Sterne, Richmond Heights, Ohio. Method of and apparatus for absorption of gases in liquids. 2,150,452; Mar. 14.
Mosier, Carl, and J. L. Mohun, Jr., assignors to Union Asbestos & Rubber Company, Chicago, Ill. Insulating tape. 2,150,238; Mar. 14.
Mossberg, Frank, and B. A. Johnson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation. Reel or spool. 1,150,392; Mar. 14.
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Telescope. 2,150,629; Mar. 14.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)
Mossberg Pressed Steel Corporation. (See Mossberg, F., and Johnson, assignors.)
Moulet, Jean L. L. A. A., Boulogne-sur-Seine, assignor to Martin Moulet & Cie, Oullins, Rhone, France. Packing and lubricating rotary shafts. 2,150,393; Mar. 14.
Moulet, Martin, & Cie. (See Moulet, Jean L. L. A. A., assignor.)
Muehler, Lowell E., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Antihalation layer for photographic films. 2,150,695; Mar. 14.
Mueller, Robert A., and R. Smith, assignors to Gray Tool Company, Houston, Tex. Method and apparatus for completing wells. 2,150,887; Mar. 14.
Mulford, Hewett P., & Company. (See Mulford, M. R., and Gray, assignors.)
Mulford, Marion R., and H. Z. Gray, assignors to Hewett P. Mulford & Company, Lebanon, Ohio. Plant package. 2,150,453; Mar. 14.
Müller, Manfred, Homberg, assignor to Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany. Recovering zinc and barium from waste waters. 2,150,394; Mar. 14.
Mullooly, Anna A., Greensburg, Pa. Beauty parlor chair. 2,150,720; Mar. 14.
Mullooly, Anna A., Greensburg, Pa. Chair. 2,150,721; Mar. 14.
Mulvey, Joseph A., Andover, Mass. Athletic helmet. 2,150,290; Mar. 14.
Munters, Carl G., assignor to Aktiebólaget Termisk Isolation, Stockholm, Sweden. Refrigeration. 2,150,181; Mar. 14.
Munters, Carl G., assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden. Insulation. 2,150,182; Mar. 14.
Mussey, William H. (See Blomberg, M. P., and Mussey.)
Muzzey, David S., Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Electrical exploration method. 2,150,517; Mar. 14.
Myers, Joseph W., assignor, by mesne assignments, to Proctor & Schwartz Inc., Philadelphia, Pa. Signal device. 2,150,840; Mar. 14.
Myers, William A., Springfield, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbons. 2,150,183; Mar. 14.
N. V. Philips' Gloeilampenfabrieken. (See Holst, G., and de Boer, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Volz, R. F., and de Groot, assignors)
Nachman Springfilled Corporation. See Zimmerman, Fred R., assignor.)
Nagata, Kenzo, Naka ku, Yokohama, assignor to Riken Almite Kogyo Kabushiki Kaisha, Tokyo, Japan. Coloring the surface of aluminum or its alloys for acid proof and alkali proof. 2,150,395; Mar. 14.
Nampa, Sulo M., Detroit, Mich., assignor to The Worth Company. Sidesway brace. 2,150,746; Mar. 14.
Narveson, Palmer O., et al. (See Major, Forrest J., assignor.)
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
Nash-Kelvinator Corporation. (See Philipp, L. A., and Bohn, assignors.)
National Blank Book Company. (See Schade, Frank S., assignor.)
National Lead Company. (See Behr, Gustave E., assignor.)
National Malleable and Steel Casting Company. (See Byers, Jacob J., assignor.)
National Oil Products Company. (See Briod, A. E., and East, assignors.)
National Supply Company, The. (See Blevins, Herman G., assignor.)
Natkiel, Harry, assignor to P. L. Shelby, New York, N. Y. Haircurler. 2,150,871; Mar. 14.
Naulty, James N., East Orange, N. J. Cushion. 2,150,747; Mar. 14.
Nedvidek, Robert D. (See MacRill, J. R., and Nedvidek.)
Neff, Claude R., assignor to The Neff & Fry Company, Camden, Ohio. Burial Vault. 2,150,778; Mar. 14.
Neff & Fry Company, The. (See Neff, Claude R., assignor.)
Neil, Clifford A. (See Bjornson, Ingvard.)
Nelson, Jabez C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Agitator for washing machines. 2,150,454; Mar. 14.
Nelson, John B., assignor to Eastman Kodak Company, Rochester, N. Y. Film winding mechanism. 2,150,696; Mar. 14.
Nelson, Nels T., assignor to J. F. Sturdy's Sons Company, Attleboro Falls, Mass. Extension device. 2,150,872; Mar. 14.
Neon Research Corporation, The. (See Mitscherling, Waldemar O., assignor.)
Nevin, James V., Aberdeen, Wash. Making plywood. 2,150,697; Mar. 14.
Nevin, James V., Aberdeen, Wash. Water soluble thermosetting resin and making same. 2,150,698; Mar. 14.
Nevin, James V., Aberdeen, Wash. Normalizing hot pressed plywood. 2,150,841; Mar. 14.
New Discoveries, Incorporated. (See Chesney, Jacques W. D., assignor.)
Newell, Robert E., Irwin, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Thermostat. 2,150,722; Mar. 14.
Newport, Charles L., and H. C. Smith, Los Angeles, Calif. Perforate wall. 2,150,338; Mar. 14.
Nichols, Harry J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Synchronizing system. 2,150,239; Mar. 14.
Nichols, Harry J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,150,240; Mar. 14.
Nichols, Harry J., and H. L. Tholstrup, Dayton, Ohio, assignors to International Business Machines Corporation, New York, N. Y. Communication system. 2,150,241; Mar. 14.
Nichols, Sydney A. (See Molins, W. E., and Nichols.)
Nickerson, William H., Newton Center, Mass. Arch support for shoes. 2,150,779; Mar. 14.
Nickle, Clifford A., and G. R. Brophy, Schenectady, N. Y., assignors to General Electric Company. Electric heater. 2,150,780; Mar. 14.
Niewendorp, Richard, Sanborn, Iowa. Snow plow. 2,150,396; Mar. 14.
Nilsson, Axel L., Pleasant Ridge, Mich., assignor to Colonial Broach Company. Broaching surfaces. 2,150,455; Mar. 14.
Nixdorff-Krein Manufacturing Co. (See Littmann, B., and Rueff, assignors.)
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Valve mechanism. 2,150,808; Mar. 14.

Nordberg Manufacturing Company. (See Wintzer, Rudolf, assignor.)
Northern Paper Mills. (See Boex, Milan J., assignor.)
Norton Company. (See Dudgeon, Harry A., assignor.)
Norton Company. (See Ridgway, R. R., and Bailey.)
Norton Company. (See Van der Pyl, Edward, assignor.)
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Spark plug. 2,150,723; Mar. 14.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,150,724; Mar. 14.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Aviation Corporation. Forming a spark plug. 2,150,725; Mar. 14.
Nowosielski, Edward B., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Ignition apparatus. 2,150,726; Mar. 14.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Aviation Corporation. Ignition apparatus. 2,150,727; Mar. 14.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Eclipse Aviation Corporation. Ignition apparatus. 2,150,728; Mar. 14.
O. K. Tool Company, The. (See Reaney, Ernest, assignor.)
Offner, Franklin, Chicago, Ill. Potential recording marker. 2,150,729; Mar. 14.
Okonite-Callender Cable Company, The. (See Bennett, Charles E., assignor.)
Olier, André, assignor to Societe Anonyme des Establissements A. Olier, Clermont-Ferrand, France. Extraction column. 2,150,608; Mar. 14.
Oliver, Thurman B., Athens, Ga. Motorized fountain-type tooth brush. 2,150,842; Mar. 14.
Olson, Oscar R. (See Wiegand, E., and Olson.)
Oltman, Ray C., Pasadena, Calif., assignor to The Edward Katzinger Company, Chicago, Ill. Hearth bread pan. 2,150,864; Mar. 14.
O'Reilly, Martin G., assignor to Ford Roofing Products Company, Chicago, Ill. Roofing. 2,150,883; Mar. 14.
Osgood, George H., Tacoma, Wash. Making nonchecking plywood with an aqueous glue. 2,150,658; Mar. 14.
Otis Elevator Company. (See Hymans, Frederick, assignor.)
Ott, Conrad L. (See Price, R. E., Balsiger, and Ott.)
Overcash, Whitson M., Springfield, Tenn. Dry line marker. 2,150,609; Mar. 14.
Overstrom, Gustave A., Big Sur, Calif. Balanced vibrating screen structure. 2,150,242; Mar. 14.
Owen, Raymond M., New York, N. Y. Adjustable folding table. 2,150,397; Mar. 14.
Ozer, George, Chester, Pa. Watch cleaning machine. 2,150,560; Mar. 14.
Pacanins, Tomas, et al. (See Goddard, Anne, assignor.)
Page, Ralph E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Statistical card operated machine. 2,150,243; Mar. 14.
Panconst, William G., Winnetka, Ill. Proprietary container. 2,150,244; Mar. 14.
Paque, Edward J., assignor to The Pollak Steel Co., Cincinnati, Ohio. Fence post. 2,150,291; Mar. 14.
Park, Halford W., et al. (See Derby, John H., assignor.)
Parva Products Company. (See White, Paul W., assignor.)
Patco, Inc. (See de Ybarrondo, Vincent C., assignor.)
Patent Development Company Limited. (See Riches, George H., assignor.)
Patrol Valve Company, The. (See Matthews, Birchard L., assignor.)
Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Measuring apparatus. 2,150,398; Mar. 14.
Pearson, George F., Salt Lake City, Utah. Screw starter. 2,150,184; Mar. 14.
Pearson, William S., assignor to Peerco, Inc., Park Ridge, Ill. Display device. 2,150,748; Mar. 14.
Peco Manufacturing Corporation. (See Errig, William F., assignor.)
Pedersen, Eli. (See Schultz, W. J., and Pedersen.)
Peerco, Inc. (See Pearson, William S., assignor.)
Pennsylvania Railroad Company, The. (See Madden, William J., assignor.)
Perfection Gear Company. (See Barnes, Allen L., assignor.)
Perkins Glue Company. (See Shisler, G. M., and Bergey, assignors.)
Perrine, Lester E., assignor to General Motors Corporation, Detroit, Mich. Variable speed drive. 2,150,456; Mar. 14.
Peterson, Alfred J. A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,150,587; Mar. 14.
Pfaff, Wesley. (See Lake, C. D., and Pfaff.)
Pfiasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,150,292; Mar. 14.
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus and method. 2,150,699; Mar. 14.
Philipp, Lawrence A., and N. J. Bohn, assignors to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,150,700; Mar. 14.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly. 2,150,457; Mar. 14.
Phillips, John, Oakland, Calif. Two-cycle engine. 2,150,185; Mar. 14.
Pintsch, Julius, Kommanditgesellschaft. (See Leischner, Georg, assignor.)
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Magnetic braking system. 2,150,630; Mar. 14.
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Brake shoe linkage. 2,150,631; Mar. 14.
Pitt, Ralph T., Quincy, assignor to General Paper Products Corp., Boston, Mass. Liner for coffee-grounds holders of coffee makers. 2,150,588; Mar. 14.
Ploke, Martin, and W. Lang, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Secondary electron multiplier. 2,150,632; Mar. 14.
Pollak Steel Co., The. (See Paque, Edward J., assignor.)
Pope, George E., Stratford, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Fibrous friction element. 2,150,186; Mar. 14.
Power, Richard F., Hampstead, London, assignor to Morland & Impey Limited, Birmingham, England. Loose-leaf filing apparatus. 2,150,518; Mar. 14.
Price, Ralph E., H. E. Balsiger, and C. L. Ott, assignors to Landis Tool Company, Waynesboro, Pa. Feed mechanism. 2,150,749; Mar. 14.
Pride, Alfred W. (See Craig, H. G., and Pride.)
Proctor & Schwartz Inc. (See Myers, Joseph W., assignor.)
Public in the Territory of the United States of America, Dedicated to the free use of the. (See Carter, Roscoe H.)
Pugh, Benjamin J., Hamilton, Mont. Hydraulic motor. 2,150,293; Mar. 14.
Pullman-Standard Car Manufacturing Company. (See Blomberg, M. P., and Mussey, assignors.)
Pupin, Michael I., deceased, by V. P. Smith, administratrix, Norfolk, Conn. Telegraph system. 2,150,781; Mar. 14.
Raba, Alice H. and G. H., Paris, France. Hand driven weaving loom for home work. 2,150,187; Mar. 14.
Raba, Alice H. and G. H., Paris, France. Warp holder for hand-driven weaving looms. 2,150,843; Mar. 14.
Raba, G. H. (See Raba, Alice H. and G. H.)
Raders, Albert F., Freeport, Ill. Adjustable resilient seat. 2,150,844; Mar. 14.
Rabinowitz, Seymour, New York, N. Y. Crucible mouthpiece for type casting machines. 2,150,339; Mar. 14.
Radio Corporation of America. (See Clark, Trevor H., assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Green, Norval H., assignor.)
Radio Corporation of America. (See Kenll, O. E., and Smith, assignors.)
Radio Corporation of America. (See Kemp, Roland J., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Reid, John D., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Radio Corporation of America. (See Young, Charles J., assignor.)
Radio Corporation of America. (See Zworykin, V. K., and Malter, assignors.)
Radio Patents Corporation. (See Hollmann, Hans E., assignor.)
Raffetto, Estral J., Salinas, Calif. Conveyer table. 2,150,610; Mar. 14.
Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Upholstery trim panel. 2,150,458; Mar. 14.
Rawlplug Company Limited, The. (See Rawlings, John J., assignor.)
Rawlings, John J., assignor to The Rawlplug Company Limited, London, England. Manufacturing wall and like plugs. 2,150,845; Mar. 14.
Raybestos-Manhattan, Inc. (See Pope, George E., assignor.)
Rayburn, George B., Los Angeles, Calif. Fish lure. 2,150,846; Mar. 14.
Reaney, Ernest, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Shankless bit holder and clamp. 2,150,561; Mar. 14.
Refining, Inc. (See Clayton, B., Kerrick, Stadt, and Thurman, assignors.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Retractable trailer support. 2,150,701; Mar. 14.
Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Multiple wave band receiver. 2,150,562; Mar. 14.
Reinking, George E., Fort Wayne, Ind. Weight demarcating and fractional hour rate indicators for scales. 2,150,245; Mar. 14.

Reintjes, George P., Kansas City, Mo. Insulating refractory wall. 2,150,459; Mar. 14.
Rellinger, Alois J., Toledo, Ohio. Flask. 2,150,589; Mar. 14.
Reymer & Brothers, Inc. (See Willatt, Arnold F., assignor.)
Rhodes, M. H., Inc. (See Rhodes, Marcus H., assignor.)
Rhodes, M. H., Inc. (See Rhodes, M. H., and Fanzoi, assignors.)
Rhodes, Marcus H., assignor to M. H. Rhodes, Inc., New York, N. Y. Time control switch. 2,150,634; Mar. 14.
Rhodes, Marcus H., New York, N. Y. and J. Fanzoi, Hartford, Conn., assignor to M. H. Rhodes, Inc., New York, N. Y. Timing device and escapement therefor. 2,150,633; Mar. 14.
Riches, George H., Cooksville, Ontario, assignor to Patent Development Company Limited, Toronto, Ontario, Canada. Pressure control mechanism. 2,150,460; Mar. 14.
Richmond, Louis, New York, and D. Eckert, Brooklyn, N. Y. Button. 2,150,563; Mar. 14.
Ridgway, Raymond R., and B. L. Balley, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Apparatus for multiple pressure molding. 2,150,884; Mar. 14.
Riken Almite Kogyo Kabushiki Kaisha. (See Negata, Kenzo, assignor.)
Riken Arumaitokogyo Kabushiki Kaisha. (See Yasoshima, Yakichi, assignor.)
Rippey, Hugh F., Auburn, and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Treatment of porous materials and product thereof. 2,150,188; Mar. 14.
Rist, Hans, Johannisthal, Germany, assignor to General Electric Company. Screening for electric cables. 2,150,783; Mar. 14.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Transmission line system. 2,150,246; Mar. 14.
Robertshaw Thermostat Company. (See Newell, Robert E., assignor.)
Roche, Albert T. (See Kane, James H., assignor.)
Rock, Fred, Waterville, Maine. Game apparatus. 2,150,847; Mar. 14.
Rodgers, James A., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Motor protector switch. 2,150,635; Mar. 14.
Rodwick, Frank P., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Waffle iron handle. 2,150,247; Mar. 14.
Roehm, Frederick F., New York, N. Y. Receptacle and brush holder. 2,150,784; Mar. 14.
Roesch, Willard G. (See Rogers, M. C., Brueckmann, and Roesch.)
Rogers, Marvin C., F. G. Brueckmann, and W. G. Roesch, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Sulphuric acid recovery. 2,150,750; Mar. 14.
Rogers, John. (See Rogers, Mack and J.)
Rogers, Mack and J., Oakland, Calif. Vibrating table. 2,150,519; Mar. 14.
Röhm & Haas Company. (See MacMullen, Clinton W., assignor.)
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Cooling rolling mill. 2,150,340; Mar. 14.
Ronneberg, Erik, Lead, S. Dak. Drill chuck for mine drilling machines. 2,150,189; Mar. 14.
Rooke, Robert M., Jersey City, N. J., and F. C. Saacke, assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding rod. 2,150,785; Mar. 14.
Roosa, Vernon, Dobbs Ferry, and E. Silber, New York, N. Y. Speed regulating means for direct current generator units. 2,150,294; Mar. 14.
Roosa, Vernon, Dobbs Ferry, and E. Silber, New York, N. Y. Polyphase generator speed regulator. 2,150,520; Mar. 14.
Rosen, Raphael, Cranford, N. J., assignor to Standard Oil Development Company. Lubricating oil composition. 2,150,400; Mar. 14.
Rosenbaum, Kurt, Friedrich Alfred-Hutte, Rheinhausen, assignor to Fried. Krupp Grusonwerk, Aktien Gesellschaft, Magdeburg-Buckau, Germany. Rolling mill. 2,150,248; Mar. 14.
Ross, Frederick N., Detroit, Mich., F. L. Scoutten, Hudson, Ohio, and J. F. Ferm, Midland, Pa., assignors to Mid-West Forge Company, Cleveland, Ohio. Apparatus for making roll-forged articles. 2,150,402; Mar. 14.
Rossander, Swanie S., and H. W. Mathieu, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Substituted benzanilides and their preparation. 2,150,190; Mar. 14.
Rossander, Swanie S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disazo dyes and making same. 2,150,191; Mar. 14.
Rotermund, Maynard A. (See Jones, L. T., Kennedy, and Rotermund.)
Rothelius, Bertil. (See Dahlström, R., and Rothelius.)
Rowe, Raymond N., assignor to The Trumball Electric Manufacturing Company, Plainville, Conn. Circuit breaker. 2,150,564; Mar. 14.
Royal Mounters, Inc. (See Mancuso, Ralph J., assignor.)
Rueff, Robert C. (See Littmann, B., and Rueff.)
Rugg, Walter S., Pittsburgh, and H. D. James, Edgewood, Pa. Building block. 2,150,809; Mar. 14.
Saacke, Frederick C. (See Rooke, R. M., and Saacke.)
Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie. (See Müller, Manfred, assignor.)
Sadler, John W., Upper Darby, Pa., and G. A. Blunt, Cedar Rapids, Iowa. Cream cooler. 2,150,751; Mar. 14.
Safford, Truman S., Riverside, Conn. Control device. 2,150,403; Mar. 14.
Sagebeer, Richard G., Wilmington, Del. Graph approximator. 2,150,636; Mar. 14.
Saklatwalla, Byramji D., Pittsburgh, Pa. Alloy steel. 2,150,341; Mar. 14.
Saklatwalla, Byrmaji D., Pittsburgh, Pa. Alloy steel and structural member. 2,150,342; Mar. 14.
Salzberg, Paul L. (See Austin, P. R., and Salzberg.)
Samuels, Henry. (See Harrison, A. A., and Samuels.)
Sandell, Rudolf, Stockholm, Sweden. Collapsible egg carton. 2,150,461; Mar. 14.
Sander, Walter, Anaheim, Calif. Shredder. 2,150,192; Mar. 14.
Sanford, Robert G., High Falls, N. Y. Multiple fuse device for electric circuits. 2,150,249; Mar. 14.
Santo, Steven, Torrington, Conn. Hamburger steak forming machine. 2,150,659; Mar. 14.
Shade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf ring binder. 2,150,590; Mar. 14.
Schafer, Arthur H., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire connection. 2,150,404; Mar. 14.
Scheel, Henry V., Passaic, N. J. Printing apparatus. 2,150,401; Mar. 14.
Scherbatskoy, Serge A., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Gravity meter. 2,150,405; Mar. 14.
Schering Aktiengesellschaft. (See Schoeller, W., and Serini, assignors.)
Schieber, Robert E., Detroit, Mich. Screw driving means. 2,150,343; Mar. 14.
Schienemann, Rudolf, Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrical impulse segregation circuit. 2,150,752; Mar. 14.
Schilling, Paul A., assignor to Waldorf Paper Products Company, St. Paul, Minn. Sound absorbing covering. 2,150,344; Mar. 14.
Schmidt, Maximilian P., and O. Süs, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Production of diazo prints. 2,150,565; Mar. 14.
Schmitt, Joseph H., Red Bank, N. J. Protecting alkali cyanides. 2,150,786; Mar. 14.
Schoeller, Walter, Berlin-Westend, and A. Serini, assignors to Schering Aktiengesellschaft, Berlin, Germany. Addition products of saturated and unsaturated etiocholanones and their derivatives and producing the same. 2,150,885; Mar. 14.
Schramm, Henry W., assignor to Surface Combustion Corporation, Toledo, Ohio. Air heater. 2,150,345; Mar. 14.
Schuessler, Carl F., Chicago, Ill. Knitting machine. 2,150,730; Mar. 14.
Schuessler, L. Ray. (See Hamilton, Francis C., assignor.)
Schultis, Carl T., Bergen, near Frankfort-on-the-Main, and E. Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Mono-azo acid wool dyestuff. 2,150,787; Mar. 14.
Schultz, Charlie F., Belle Plaine, Minn. Burgler alarm switch. 2,150,873; Mar. 14.
Schultz, William J., and E. Pedersen, Chicago, Ill. Wheel rim refinishing machine. 2,150,462; Mar. 14.
Schulz, Arthur P. (See Teller, J., and Schulz.)
Schuster, Fred F. (See MacLagan, A. R., and Schuster.)
Schutz, Harold R., Ottawa Hills, assignor to Libbey Glass Company, Toledo, Ohio. Gathering ram. 2,150,637; Mar. 14.
Schwerin, Paul, Rutherford, N. J., and H. C. Atkins, Acton, London, assignors to Electronic Devices Limited, London, England. Electron discharge system. 2,150,346; Mar. 14.
Scott, Clyde, East Orange, N. J. Casting film. 2,150,250; Mar. 14.
Scott, Ray W., assignor to Bendix Home Appliances, Inc., Detroit, Mich. Washing machine. 2,150,638; Mar. 14.
Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit interrupter. 2,150,566; Mar. 14.
Scoutten, Floyd L. (See Ross, F. N., Scoutten, and Ferm.)
Sebesta, Claude. (See Marek, B., and Sebesta.)
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Mercaptothiazole derivatives. 2,150,463; Mar. 14.
Seidenstricker, Regis A. (See Shafer, S., Jr., and Seidenstricker.)
Seng Company, The. (See Fox, Martin, assignor.)
Serini, Arthur. (See Schoeller, W., and Serini.)
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Shackleton, Walter L., assignor to Barker & Jones Limited, Wallasey, England. Excavator. 2,150,848; Mar. 14.
Shafarman, Isaac J., Cleveland, Ohio. Hanger. 2,150,869; Mar. 14.

Shafer, Samuel, Jr., and R. A. Seidenstricker, assignors to Chain Belt Company, Milwaukee, Wis. Sedimentation apparatus. 2,150,865; Mar. 14.
Shanhouse, Leonard, Rockford, Ill. Hunting coat. 2,150,251; Mar. 14.
Sharp & Dohme, Incorporated. (See Cope, Arthur C., assignor.)
Shelby, Palm L. (See Natkiel, Harry, assignor.)
Shell Development Company. (See Lounsbury, Harold I., assignor.)
Shell Development Company. (See McKittrick, D. S., and Henriques, assignors.)
Shell Development Company. (See Muzzey, David S., Jr., assignor.)
Shell Development Company. (See van Peski, A. J., and van Melsen, assignors.)
Sheppard, Samuel E., and W. Vanselow, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Fog inhibitor for photographic emulsions. 2,150,702; Mar. 14.
Shippee, Carl C. (See Shippee, Winsor and C. C.)
Shippee, Winsor and C. C., Red Bank, N. J. Self-clinching nail. 2,150,788; Mar. 14.
Shisler, George M., and E. Bergey, assignors to Perkins Glue Company, Lansdale, Pa. Water-resistant adhesive. 2,150,849; Mar. 14.
Shure, Samuel J., Kansas City, Mo. Air conditioning system. 2,150,252; Mar. 14.
Shurley, Frederick, and Q. H., assignors to Ceramic Machinery Distributors Limited, Windsor, Ontario, Canada. Registration of articles for multicolor printing. 2,150,522; Mar. 14.
Shurley, Queenie H. (See Shurley, Frederick and Q. H.)
Siebenthaler, Thos. L., Manufacturing Company. (See Siebenthaler, Thomas L., assignor.)
Siebenthaler, Thomas L., assignor to Thos. L. Siebenthaler Manufacturing Company, Kansas City, Mo. Deicing apparatus for airplane propellers. 2,150,521; Mar. 14.
Siemens & Halske Aktiengesellschaft. (See Keinath, Georg, assignor.)
Siemens & Halske Aktiengesellschaft. (See Kerschbaum, Hans, assignor.)
Sien, Charles L., Anaheim, Calif. Heel-cap press. 2,150,523; Mar. 14.
Silber, Eugene. (See Roosa, V., and Silber.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Lever. 2,150,660; Mar. 14.
Simon, Morris. (See Frost, Bernard J., assignor.)
Simon, Reuben, Detroit, Mich. Cylinder lock. 2,150,639; Mar. 14.
Simplex Baggers, Inc. (See Weinstein, Herman E., assignor.)
Sipe, Harry E., New York, N. Y., assignor of one-half to N. L. Foster, Montclair, N. J. Anchoring device. 2,150,866; Mar. 14.
Slick, Edwin E., Pittsburgh, Pa. Metal wheel rim. 2,150,810; Mar. 14.
Smith, Albert H., South Gate, Calif. Electrode holder. 2,150,464; Mar. 14.
Smith, Charles V., Weybridge, Surrey, assignor, by mesne assignments, to Vickers-Armstrongs Limited, London, England. Method of and means for rolling channel or like sections from strip metal. 2,150,731; Mar. 14.
Smith, Eric O. (See Keall, O. E., and Smith.)
Smith, George S., Oakland, Calif. Coating cementitious surfaces with metallic layers. 2,150,789; Mar. 14.
Smith, Harold M., Greensboro, N. C. Needle butt puller. 2,150,253; Mar. 14.
Smith, Herbert C. (See Newport, C. L., and Smith.)
Smith, Lewis F., New Haven, Conn. Game board. 2,150,850; Mar. 14.
Smith, Roger. (See Mueller, R. A., and Smith.)
Smith, Varvara P., administratrix. (See Pupin, Michael I.)
Societe Anonyme des Etablissements A. Olier. (See Olier, André, assignor.)
Société Générale Metallurgique de Hoboken. (See Leemans, Joseph P., assignor.).
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Somers, Amos N., Westboro, Mass. Vaporizing apparatus. 2,150,295; Mar. 14.
Sonheim, Frank J., asignor of one-half to E. F. Whitchurch, Chicago, Ill. Mechanical toy. 2,150,465; Mar. 14.
Soper, Roy M., Kansas City, Mo. Metal flume. 2,150,466; Mar. 14.
Sorensen, Clarence S., Los Angeles, Calif. Compressor. 2,150,347; Mar. 14.
Sorensen, Sam, Houston, Tex. Valve. 2,150,254; Mar. 14.
Southern Textile Machinery Company. (See De Spain, Thomas H., assignor.)
Sparks, John, executor, et al. (See Strauss, Joseph B., assignor.)
Speck, Carrie, et al. (See Speck, Grover L., assignor.)
Speck, Elmer H., et al. (See Speck, Grover L., assignor.)
Speck, Grover L., assignor of one-third to C. Speck and one-third to E. H. Speck, Davenport, Okla. Pipe tongs. 2,150,611; Mar. 14.
Spencer, Robert L., Los Angeles, Calif. Carburetor for internal combustion engines. 2,150,296; Mar. 14.
Stadt, Henry M. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Stain, Ray W., Brooklyn, assignor to The Western Union Telegraph Company, New York, N. Y. Photoelectric message detector. 2,150,467; Mar. 14.
Stampfli, Wendell P., Monahans, Tex. Circular swing. 2,150,612; Mar. 14.
Standard Mirror Company. (See La Hodny, William, assignor.)
Standard Novelty Works. (See Maneval, Charles H., assignor.)
Standard Oil Company. (See Burk, R. E., and Hughes, assignors.)
Standard Oil Company. (See Geddes, R. L., and Thiele, assignors.)
Standard Oil Company. (See Rogers, M. C., Brueckmann, and Roesch, assignors.)
Standard Oil Company of California. (See Cope, John Q., assignor.)
Standard Oil Company of California. (See Halloran, R. A., and Lyman, assignors.)
Standard Oil Development Company. (See Dawson, Oliver H., assignor.)
Standard Oil Development Company. (See Frolich, P. K., and Wasson, assignors.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)
Starkweather, Gail C., Kenmore, and L. L. Haas, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler. 2,150,811; Mar. 14.
Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Fitting and making same. 2,150,524; Mar. 14.
Stassinet, Theodor, Dinslaken, Germany. Continuous heating furnace. 2,150,613; Mar. 14.
Stebbe, Gus. (See Goltz, Gus, assignor.)
Stephens, Homer, assignor to S. G. Adams Company, St. Louis, Mo. Cabinet. 2,150,640; Mar. 14.
Stern, Paul L. (See Barnard, T. H., and Stern.)
Stern, Paul L. (See Wagner, R. C., and Stern.)
Stetson, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera focusing attachment. 2,150,703; Mar. 14.
Stewart, Joseph, Harvey, Ill. Chair. 2,150,297; Mar. 14.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,150,661; Mar. 14.
Strauss, Annette, executor, et al. (See Strauss, Joseph B., assignor.)
Strauss, Joseph B., deceased, San Francisco, Calif.; A. Strauss, J. Sparks, and H. C. Clausen, executors. Railway. 2,150,348; Mar. 14.
Sturdy's, J. F., Sons Company. (See Nelson, Nels T., assignor.)
Stutz, Karl, Canton, Ohio. Scoring device. 2,150,525; Mar. 14.
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Sully, Bernard T. D. (See Durrans, T. H., and Sully.)
Surface Combustion Corporation. (See Branche, Nelson T., assignor.)
Surface Combustion Corporation. (See Schramm, Henry W., assignor.)
Süs, Oskar. (See Schmidt, M. P., and Süs.)
Sutkowski, Alexander, St. Louis, Mo. Smoke destroyer. 2,150,614; Mar. 14.
Swaggerty, Emmaline, administratrix. (See Swaggerty, Stuart B.)
Swaggerty, Stuart B., deceased, Nashville, Tenn.; E. Swaggerty, administratrix. Supporting and applying harness for cruppers. 2,150,526; Mar. 14.
Swanson, Edwin W., Hopkins, assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Synchronous motor control system. 2,150,662; Mar. 14.
Swanson, Edwin W., Hopkins, assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Synchronous motor control system. 2,150,663; Mar. 14.
Swanson, Edwin W., Hopkins, assignor to Electric Machinery Mfg. Company, Minneapolis, Minn. Synchronous motor control system. 2,150,664; Mar. 14.
Sword, James B., Stone Harbor, N. J. Trailer construction. 2,150,615; Mar. 14.
Talmadge, Louis H., Wethersfield, assignor to The Merrow Machine Company, Hartford, Conn. Feeding mechanism for sewing machines. 2,150,527; Mar. 14.
Tanning Process Company, The. (See Connor, John H., assignor.)
Taylor, Albert H., Washington, D. C., and L. C. Young, Hyattsville, Md. Keying radio transmitter. 2,150,193; Mar. 14.
Taylor, Claude C., Whittier, Calif. Well cleaner. 2,150,406; Mar. 14.
Taylor, Edward W., Lexington, Mass. Hose bridge and curb jumper. 2,150,591; Mar. 14.
Taylor, Frank O., assignor to The Taylor Seed Cleaner & Grader Company, Hot Springs, Mont. Seed cleaner and grader. 2,150,298; Mar. 14.
Taylor, Fred L. (See Thomas, C. A., and Taylor.)
Taylor Seed Cleaner & Grader Company, The. (See Taylor, Frank O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schienemann, Rudolf, assignor.)
Telfer, Edmund S., Newcastle-upon-Tyne, England. Propeller. 2,150,299; Mar. 14.
Teller, Grace, et al. (See Teller, J., and Schulz, assignors.)

Teller, Jacob, et al. (See Teller, J., and Schulz, assignors.)
Teller, Jacob, and A. P. Schulz, assignors, by mesne assignments, to said J. Teller and G. Teller, Chicago, Ill. Range and refrigerator construction. 2,150,300; Mar. 14.
Tennison, James D., Memphis, Tenn. Termite shield. 2,150,891; Mar. 14.
Texas Company, The. (See Fairbairn, George C., assignor.)
Texas Company, The. (See Hendrey, W. B., and Knowles, assignors.)
Texas Company, The. (See Knowles, Edwin C., assignor.)
Ther, Eugene J., Oak Park, and M. B. Mason, Chicago, Ill. Gasification of liquid fuels. 2,150,528; Mar. 14.
Thiele, Ernest W. (See Geddes, R. L., and Thiele.)
Thilenius, Rudolf, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preservation of foodstuffs. 2,150,616; Mar. 14.
Tholstrup, Henry L. (See Nichols, H. J., and Tholstrup.)
Thomas, Charles A., and F. L. Taylor, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Processing of hydrocarbon tar-like products. 2,150,641; Mar. 14.
Thomas, Harold B., Bloomfield, N. J., assignor to Elastic Stop Nut Corporation. Self-locking nut. 2,150,194; Mar. 14.
Thompson, Foster J., Oak Park, Ill. Casement window fastener. 2,150,851; Mar. 14.
Thomson, Bernard, Woldingham, England, assignor to General Motors Corporation, Detroit, Mich. Coupling. 2,150,468; Mar. 14.
Thurman, Benjamin H. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Treating vegetable oils and product obtained thereby. 2,150,732; Mar. 14.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Refining glyceride-type oils. 2,150,733; Mar. 14.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Making fastening means. 2,150,852; Mar. 14.
Tinsley, John S., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Transparent netting. 2,150,301; Mar. 14.
Touceda, Enrique G., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Internal combustion engine valve. 2,150,255; Mar. 14.
Tozer, Cornelius C., and E. H. Berger, Hawthorne, N. Y. Vending receptacle. 2,150,469; Mar. 14.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Tremolada, Guglielmo, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary swivel. 2,150,529; Mar. 14.
Trosken, Otto. (See Zerweck, W., Heinrich, and Trösken.)
Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)
Tubbs, Lester G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Indicating means. 2,150,302; Mar. 14.
Tuft, Miles H., assignor to Deere & Company, Moline, Ill. Tractor mounted implement. 2,150,665; Mar. 14.
Tumbridge, Stanley S. (See Keaton, Clyde D., assignor.)
Turner, William L. (See Blackwell, H. A., and Turner.)
Turshin, Frank. (See Edwards, Judson T. and C.)
Tuttle, Charles J., Newton Center, assignor to Gillette Safety Razor Company, Boston, Mass. Protected blade and packet. 2,150,592; Mar. 14.
Tydon, Walter. (See Berlin, D. R., Watson, and Tydon.)
Tyssowski, John, Dobbs Ferry, N. Y. Producing metallic articles substantially free from impurities. 2,150,470; Mar. 14.
Unckel, Herman, Finspong, Sweden. Drawing disk. 2,150,734; Mar. 14.
Underpinning & Foundation Company. (See Lewers, George R., assignor.)
Union Asbestos & Rubber Company. (See Mosier, C., and Mohun, assignors.)
Union Carbide and Carbon Corporation. (See Jones, L. T., Kennedy, and Rotermund, assignors.)
Union Kupplung Aktiengesellschaft. (See Kürtössy, László, assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
United Shoe Machinery Corporation. (See Elliott, Harold E., assignor.)
United Shoe Machinery Corporation. (See Gingell, Harry, assignor.)
United Shoe Machinery Corporation. (See Hazelton, George, assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Specialties Company. (See Mieras, M. A., and Hallerberg, assignors.)
U. S. Slicing Machine Company. (See Mahler, William, assignor.)

United States Rubber Company. (See Eger, Ernst, assignor.)
United States Rubber Company. (See Foster, Boutwell H., assignor.)
United Water Cooler Service, Inc. (See Moffat, Albert S., assignor.)
Universal Button Fastening & Button Company. (See Clark, John M., assignor.)
Utica Products Incorporated. (See Hauser, George D., assignor.)
Valade, Malcolm G., Ferndale, Mich. Refrigerating display case. 2,150,195; Mar. 14.
Van der Pyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,150,886; Mar. 14.
Van Melsen, Johannes A. (See van Peski, A. J., and Melsen.)
Van Peski, Adrianus J., and J. A. van Melsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Process and product relating to organic metal and metalloid-containing complex compounds. 2,150,349; Mar. 14.
Vanselow, Waldemar. (See Sheppard, S. E., and Vanselow.)
Van Taylor, Leland. (See Cochran, P. B., Hitt, and Van Taylor.)
Van Vulpen, John, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Flexible metallic hose. 2,150,471; Mar. 14.
Vapor Car Heating Company, Inc. (See Van Vulpen, John, assignor.)
Vargas, Manuel P., near Livermore, Calif. Power mower. 2,150,350; Mar. 14.
Vaughn, Sidney P., San Diego, Calif. Method and means for attaching spongy material to backings or holders. 2,150,196; Mar. 14.
Vessie, Florence A. (See Vessie, Percy R., assignor.)
Vessie, Percy R., Briarcliff Manor, N. Y., assignor to F. A. Vessie, Blythewood, Greenwich, Conn. Ferrated colloidal molybdenum. 2,150,472; Mar. 14.
Vickers-Armstrongs Limited. (See Smith, Charles V., assignor.)
Ville, Joseph C., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 2,150,704; Mar. 14.
Voigt, Max T., assignor to American Safety Table Company, Inc., Reading, Pa. Adjustable brake transmission unit. 2,150,867; Mar. 14.
Vollmer, Earl C., Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Attachment for liquid fuel burners. 2,150,782; Mar. 14.
Volz, Rudolf F., and A. J. W. de Groot, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Low frequency amplifier. 2,150,567; Mar. 14.
Von Szeszich, Lajos, Frankfort-on-the-Main, Germany. Producing high quality carbon black. 2,150,790; Mar. 14.
Vulcan Rail and Construction Company. (See Ewing, Wylie B., assignor.)
Wachtler, Conrad, Dresden-Loschwitz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,150,642; Mar. 14.
Wagner, Albert N., Cary, Ill., assignor to The American Perforator Company. Device for filling coin wrappers with coins. 2,150,473; Mar. 14.
Wagner, Henry, Milwaukee, Wis. Frog and minnow bait harness. 2,150,874; Mar. 14.
Wagner, Roscoe C., and P. L. Stern, assignors to Clinton Company, Clinton, Iowa. Manufacture of dextrose. 2,150,197; Mar. 14.
Waldorf Paper Products Company. (See Schilling, Paul A., assignor.)
Walker, Harry O., Phoenix, Ariz. Game. 2,150,303; Mar. 14.
Walker Manufacturing Company. (See Mizer, Joseph J., assignor.)
Warren, Ralph, and T. S. Geisel, New York, N. Y. Camera. 2,150,853; Mar. 14.
Warren, Richard, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record controlled statistical machine. 2,150,256; Mar. 14.
Warsing, Martin L., Altoona, Pa. Muffler. 2,150,530; Mar. 14.
Warta, Arthur J., Ellsworth, Kans. Bindweed cutter. 2,150,304; Mar. 14.
Wasson, Jones I. (See Frolich, P. K., and Wasson.)
Waterman, Arthur J., New York, N. Y. Electroilluminating advertising device. 2,150,643; Mar. 14.
Watson, William O. (See Berlin, D. R., Watson, and Tydon.)
Watt, Oscar G., Tulsa, Okla. Bathtub. 2,150,531; Mar. 14.
Wead, Silas C. (See Leidig, Clarence A., assignor.)
Webb, Christopher F., Eastcote, assignor to Bell Punch Company, Limited, London, England. Zeroizing means. 2,150,666; Mar. 14.
Weihe, Hermann K., Berlin, Germany. Hydraulic brake. 2,150,617; Mar. 14.
Weinstein, Herman E., Saratoga Springs, N. Y., assignor to Simplex Baggers, Inc. Bagger. 2,150,753; Mar. 14.
Welch, Ray C., Chicago, Ill. Garment fitting device. 2,150,305; Mar. 14.

Welsh, James W., Providence, R. I., assignor to Welsh Manufacturing Company. Goggles. 2,150,791; Mar. 14.
Welsh Manufacturing Company. (See Welsh, James W., assignor.)
Wernemyn, Helge H. E., Stockholm, Sweden. Apparatus for dispensing of liquids. 2,150,198; Mar. 14.
Werth, Karl. (See Graf, Leo, assignor.)
Wessman, Edwin G., Easton, Pa., assignor by mesne assignments, to Dixie-Vortex Company, Chicago, Ill. Dispenser. 2,150,306; Mar. 14.
West, Donald H., Bolton, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Vertical tapered spline broaching machine. 2,150,593; Mar. 14.
Western Cartridge Company. (See Franz, B. M., Wilkinson, and Ehrlich, assignors.)
Western Electric Company. (See Keating, Herbert S., assignor.)
Western Electric Company. (See MacLagan, Allan R., assignor.)
Western Electric Company. (See MacLagan, A. R., and Schuster, assignors.)
Western Electric Company. (See Martindell, Frank, assignor.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Union Telegraph Company, The. (See Drenkard, Adam, Jr., assignor.)
Western Union Telegraph Company, The. (See Hargreaves, William, assignor.)
Western Union Telegraph Company, The. (See Milnor, Joseph W., assignor.)
Western Union Telegraph Company, The. (See Stain, Ray W., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacNeill, John B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peterson, Alfred J. A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tubbs, Lester G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wulsten, Kurt, assignor.)
Weston, Edwin J., Canton, Ohio. Steering gear for vehicles. 2,150,199; Mar. 14.
Weston Electrical Instrument Corporation. (See Lamb, Francis X., assignor.)
Wheaton, Abram W., Maplewood, assignor to A. W. Wheaton Brass Works, Newark, N. J. Selective remote control mechanism. 2,150,667; Mar. 14.
Wheaton, A. W., Brass Works. (See Wheaton, Abram W., assignor.)
Whidden, Glen S., Lansing, Mich. Display device. 2,150,854; Mar. 14.
Whitehurch, Ellwood F. (See Sonheim, Frank J., assignor.)
White, George S. J. (See Mendoza, M., and White.)
White, Paul W., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,150,407; Mar. 14.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile material and making same. 2,150,568; Mar. 14.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile materials and their preparation. 2,150,569; Mar. 14.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile materials and preparing same. 2,150,570; Mar. 14.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile materials and preparing same. 2,150,571; Mar. 14.
Wico Electric Company. (See Louis, Terrence G., assignor.)
Wiebrecht, William L., Detroit, Mich. Transmission. 2,150,408; Mar. 14.
Wiegand, Edwin L., and O. R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand. Calcining furnace and heating means therefor. 2,150,532; Mar. 14.
Wiegand, Edwin L., and O. R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand. Producing combustion. 2,150,533; Mar. 14.
Wiegand, Edwin L., and O. R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand. Heat treating flowable material. 2,150,534; Mar. 14.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,150,868; Mar. 14.
Wilhelm, Charles, Philadelphia, Pa. Engraver's shading board. 2,150,855; Mar. 14.
Wilkinson, John W. (See Franz, B. M., Wilkinson, and Ehrlich.)
Willat, Arnold F., San Rafael, Calif., assignor of one-third to A. L. Jacobs, one-third to E. J. W. Keagy, and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa. Beverage display and mixing machine. 2,150,792; Mar. 14.
Williams, Alfred O. (See Burrows, R. J., Lapsley, and Williams.)
Williams, Charley R., Chicago, Ill. Fireproof construction. 2,150,754; Mar. 14.
Williams, Ray D., Portland, Oreg., assignor to Libby, McNeill & Libby, Chicago, Ill. Machine for longitudinally and transversely slicing pickles and the like. 2,150,735; Mar. 14.
Williams, Richard, Watford, Ontario, Canada. Threshing machine. 2,150,856; Mar. 14.
Williams, Willis P., Canfield, Ohio. Card holder for loose leaf binders. 2,150,474; Mar. 14.
Winandy, Mike, Richmond, Ind. Greenhouse bench. 2,150,257; Mar. 14.
Winans, Charles F., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Stabilization of dithiocarbamates. 2,150,475; Mar. 14.
Wingfoot Corporation. (See Berwick, Jo D., assignor.)
Wingfoot Corporation. (See Cooper, James F., assignor.)
Wingfoot Corporation. (See Cramer, Howard I., assignor.)
Wingfoot Corporation. (See Crum, H. W., and Brown, assignors.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Wingfoot Corporation. (See Winans, Charles F., assignor.)
Wintzer, Rudolf, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Engine structure. 2,150,535; Mar. 14.
Wolf, Cecil R. (See Ferris, W. D., and Wolf.)
Wood Newspaper Machinery Corporation. (See Davis, Harry, assignor.)
Woodall, Herbert J., assignor to Woodall Industries Incorporated, Detroit, Mich. Panel fastener. 2,150,476; Mar. 14.
Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)
Woodall Industries Incorporated. (See Woodall, Herbert J., assignor.)
Woodings, Emanuel, Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail fastener. 2,150,258; Mar. 14.
Woodings-Verona Tool Works. (See Woodings, William C., assignor.)
Woodings-Verona Tool Works. (See Woodings, Emanuel, assignor.)
Woodlings, William C., assignor to Woodings-Verona Tool Works, Verona, Pa. Rail fastener. 2,150,259; Mar. 14.
Worth Company, The. (See Nampa, Sulo M., assignor.)
Wright Aeronautical Corporation. (See Chilton, Allan, assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wright Aeronautical Corporation. (See Hill, Henry C., assignor.)
Wright, Leon J., Akron, Ohio. Reel for fishlines. 2,150,477; Mar. 14.
Wulsten, Kurt, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,150,307; Mar. 14.
Wunderlich, Adolph, Cleveland Heights, Ohio. Coin lock. 2,150,705; Mar. 14.
Yasoshima, Yakichi, Mukoyanagiwara-Machi, Asakusa-ku, Tokyo, assignor to Riken Arumaitokogyo Kabushiki Kaisha, Tokyo, Japan. Dyeing anodic oxidized coating of aluminium or its alloys. 2,150,409; Mar. 14.
Yerrick, Harry A., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Convertible chair. 2,150,478; Mar. 14.
Young, Charles J., Haverford, Pa., assignor to Radio Corporation of America. Synchronous motor speed control means. 2,150,572; Mar. 14.
Young, Leo C. (See Taylor, A. H., and Young.)
Zaremba Company. (See Hughes, Burton S., assignor.)
Zeiss Ikon Aktiengesellschaft. (See Kuppenbender, Heinz, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Ploke, M., and Lang, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Wachtler, Conrad, assignor.)
Zerweck, Werner, E. Heinrich, and O. Trösken, Fraukfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the anthraquinone series. 2,150,793; Mar. 14.
Zieve, William A., Brooklyn, N. Y. Knitting machine. 2,150,200; Mar. 14.
Ziehm, Kurt F., Jr., assignor to Illinois Watch Case Company, Elgin, Ill. Multiple catch. 2,150,536; Mar. 14.
Zimmerman, Fred R., assignor to Nachman Spring-filled Corporation, Chicago, Ill. Spring coupling machine. 2,150,755; Mar. 14.
Zworykin, Vladimir K., Philadelphia, Pa., and L. Malter, Collingswood, N. J., assignors to Radio Corporation of America. Electric discharge device. 2,150,573; Mar. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Feeding head for reciprocating or shaker conveyers. E. R. Bergmann. Re. 21,027; Mar. 14.

Hearing device, Bone conduction. E. H. Greibach. Re. 21,030; Mar. 14.

Lubrication system for internal combustion engines. M. J. Schenk. Re. 21,031; Mar. 14.

Sound, Recording. G. L. Dimmick. Re. 21,029; Mar. 14.

Wire cloth, Method and apparatus for joining. W. E. Buchanan. Re. 21,028; Mar. 14.

LIST OF PLANT INVENTIONS

Kniphofia or tritoma. J. J. Grullemans. 318; Mar. 14.

LIST OF DESIGN INVENTIONS

Air conditioner and table. Combined portable. E. W. Petersen. 113,762; Mar. 14.
Airplane. M. Watter. 113,775; Mar. 14.
Alphabet for forming monograms. A. E. Knight, Jr. 113,746–7; Mar. 14.
Anvil. C. T. Oppermann. 113,760; Mar. 14.
Apron or similar article, Shampoo. N. M. Tull. 113,773; Mar. 14.
Ash receiver. L. L. Murray. 113,759; Mar. 14.
Badge or similar article. W. E. Stanbury. 113,723; Mar. 14.
Bottle and container therefor, Combined perfume. G. S. Worssam; 113,777; Mar. 13.
Bowl for a coffee brewer, Lower. H. Cory. 113,731; Mar. 14.
Brooch or similar article. J. Hirsch. 113,742; Mar. 14.
Brooch or similar article. J. Hirsch. 113,783; Mar. 14.
Brooch or similar article. J. H. Leff. 113,748; Mar. 14.
Brooch or similar article. A. Philippe. 113,791–3; Mar. 14.
Brooch pin or similar article. H. Rosenblatt. 113,766; Mar. 14.
Burner and grate, Combined. A. G. Sherman. 113,770; Mar. 14.
Cabinet for inter-building communication systems. G. Risk. 113,765; Mar. 14.
Calculating machine. F. A. Niemann and A. L. Mell. 113,817; Mar. 14.
Cap, Bathing. F. S. Klein. 113,745; Mar. 14.
Carrier and container for a bicycle or the like, Combined luggage. J. R. Morgan. 113,785; Mar. 14.
Casing for a fluid meter counter or similar article. E. W. Shafer. 113,794; Mar. 14.
Chopper, Vegetable. R. B. Allen. 113,726; Mar. 14.
Coat. M. S. Handler. 113,739; Mar. 14.
Coat. S. Zimmerman. 113,778; Mar. 14.
Coat, House. I. Appel. 113,798; Mar. 14.
Cooker, Table. S. W. Farber. 113,733–4; Mar. 14.
Comfortable. H. Sumergrade. 113,772; Mar. 14.
Container, Label. M. Rosenbaum. 113,720–1; Mar. 14.
Cover for a merchandise container or similar article. S. K. Smith. 113,722; Mar. 14.
Cuticle remover. J. N. Whitehouse. 113,776; Mar. 14.
Dart football game board. J. W. Long. 113,749; Mar. 14.
Deck of playing cards. F. J. Threlfall. 113,724; Mar. 14.
Dispenser for paper napkins. E. C. Morris. 113,757; Mar. 14.
Dispenser or similar article, Liquid. T. L. Titus. 113,725; Mar. 14.
Doll. J. H. Granger. 113,782; Mar. 14.
Dress. J. Bensi. 113,799; Mar. 14.
Dress. H. Berry. 113,800; Mar. 14.
Dress. T. Coleman. 113,802; Mar. 14.
Dress. M. Extract. 113,805; Mar. 14.
Dress. S. Faden. 113,806–7; Mar. 14.
Dress. J. Fields. 113,809; Mar. 14.
Dress. T. M. Fritz. 113,810–11; Mar. 14.
Dress. J. Levay. 113,815; Mar. 14.
Dress. A. Maidman. 113,816; Mar. 14.
Dress. K. Rost. 113,818–20; Mar. 14.
Dress. I. Roth. 113,821–2; Mar. 14.
Dress. A. Ruchman. 113,823; Mar. 14.
Dress ensemble. E. M. Ciccone. 113,801; Mar. 14.
Dress ensemble. T. Coleman. 113,803; Mar. 14.
Dress ensemble. S. Etkin. 113,804; Mar. 14.
Dress ensemble. S. Faden. 113,808; Mar. 14.
Dress ensemble. T. Fritz. 113,812; Mar. 14.
Dress ensemble. Y. Gourfain. 113,813; Mar. 14.
Educational instrument. F. H. Broome. 113,780; Mar. 14.
Fabric, Textile. L. J. Brenner. 113,779; Mar. 14.
Fabric, Textile. H. J. Carragher and T. B. Wilson. 113,825; Mar. 14.
Fabric, Textile. J. R. Flather. 113,781; Mar. 14.
Fabric, Textile. L. Kaufman. 113,784; Mar. 14.
Fabric, Textile. K. Lehmann. 113,826; Mar. 14.
Fabric, Textile. E. Raphaels. 113,764; Mar. 14.
Fabric or similar article, Textile. G. Waugh. 113,827–8; Mar. 14.
Furnace. D. J. Campbell. 113,730; Mar. 14.
Game board. F. T. Bockemuehl. 113,701; Mar. 14.
Grinder, Coffee. T. L. Haud. 113,738; Mar. 14.
Guard and high closet for ranges, Combined back. J. R. Morgan. 113,755; Mar. 14.
Guard for a bicycle, Chain. J. R. Morgan. 113,717; Mar. 14.
Heater, Domestic water. C. H. Morrow. 113,758; Mar. 14.
Heel, Rubber. B. Rubel. 113,767; Mar. 14.
Housing for electrical apparatus. C. A. Hardage. 113,740; Mar. 14.
Ice cream one. C. S. Franke. 113,736; Mar. 14.
Lamp. A. B. Collins. 113,704; Mar. 14.
Lamp. I. Wooga. 113,718–9; Mar. 14.
Lens or the like, Reflector. C. M. Boiser. 113,702–3; Mar. 14.
Lyre for a piano. H. R. Heller. 113,741; Mar. 14.
Motor and mounting panel, Combined radio tuning. E. L. Barrett. 113,727; Mar. 14.
Negligee. E. E. Stricker. 113,824; Mar. 14.
Pan, Baking. R. C. Pater. 113,761; Mar. 14.
Pin clip. A. Philippe. 113,786–90; Mar. 14.
Plate or similar article. A. M. Walker. 113,774; Mar. 14.
Rack or similar article, Display. E. R. Erickson. 113,732; Mar. 14.
Receptacle, Flexible pocket. W. R. Buxton. 113,728–9; Mar. 14.
Server, Bun. R. H. and J. V. Moebus. 113,712; Mar. 14.
Shoe or similar article. D. Shaer. 113,769; Mar. 14.
Shroud for a bicycle or the like, Crank. J. R. Morgan. 113,716; Mar. 14.
Shroud for a bicycle or the like, Steering post. J. R. Morgan. 113,713–15; Mar. 14.
Sign. F. D. Staley. 113,795; Mar. 14.
Signal, Direction. H. G. Dibelka. 113,706–7; Mar. 14.
Signal unit or similar article, Audible. L. A. Mau. 113,710–11; Mar. 14.
Slipper. M. Feifer. 113,735; Mar. 14.
Slipper. J. Macht. 113,751; Mar. 14.
Slipper, Bedroom. J. Macht. 114,750; Mar. 14.
Stand for a vacuum cleaner or similar article, Display. A. L. McCarthy. 113,753; Mar. 14.
Stand, Smoker's ash. J. I. Russakov. 113,768; Mar. 14.
Suit. M. S. Handler. 113,814; Mar. 14.
Suit, Bathing. R. E. Talsch. 113,796; Mar. 14.
Suitcase. B. M. Hamlin. 113,737; Mar. 14.
Support and container for cigarettes or like articles, Combined ashtray. I. Mershon. 113,754; Mar. 14.
Table, Display. A. Di Simone. 113,705; Mar. 14.
Tablecloth or similar article. J. S. Madsen. 113,752; Mar. 14.
Tester, Fuel consumption. C. H. Phelps. 113,763; Mar. 14.
Tooth brush. J. Kahn. 113,743–4; Mar. 14.
Type font, Printing. H. A. Trafton. 113,797; Mar. 14.
Vaporizer, Incense. S. C. Ghose. 113,709; Mar. 14.
Vending machine. G. A. Gast. 113,708; Mar. 14.
Watch, Wrist. A. V. Stegeman, Jr. 113,771; Mar. 14.
Wrap, Evening. A. H. Morris. 113,756; Mar. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF MARCH, 1939

NOTE,—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption of gases in liquids, Method of and apparatus for. S. Morse. 2,150,452; Mar. 14.
Accelerators. H. I. Cramer. 2,150,424; Mar. 14.
Accelerators of vulcanization. H. I. Cramer. 2,150,425; Mar. 14.
Acid recovery, Sulphuric. M. C. Rogers, F. G. Brueckmann, and W. G. Roesch. 2,150,750; Mar. 14.
Adhesive, Water-resistant. G. M. Shisler and E. Bergey. 2,150,849; Mar. 14.
Adjustable resilient seat. A. F. Raders. 2,150,844; Mar. 14.
Advertising device, Electroilluminating. A. J. Waterman. 2,150,643; Mar. 14.
Agitator for washing machines. P. E. Geldhof. 2,150,654; Mar. 14.
Agitator for washing machines. J. C. Nelson. 2,150,454; Mar. 14.
Agricultural implement, Depression-forming. O. E. and G. E. Miller. 2,150,839; Mar. 14.
Air cleaner. M. A. Mieras and T. W. Hallerberg. 2,150,745; Mar. 14.
Air conditioner. C. C. Hunicke. 2,150,505; Mar. 14.
Air conditioning apparatus. B. McInnerney. 2,150,514; Mar. 14.
Air conditioning apparatus for passenger cars. W. J. Madden. 2,150,449; Mar. 14.
Air conditioning system. S. J. Shure. 2,150,252; Mar. 14.
Aircraft construction. P. M. Adams. 2,150,143; Mar. 14.
Aircraft to pick up while in flight articles or persons, Means adapted to enable. D. C. Croom-Johnson. 2,150,599; Mar. 14.
Air eliminator. J. W. Davis and R. G. Houston. 2,150,714; Mar. 14.
Air heater. H. W. Schramm. 2,150,345; Mar. 14.
Air, System for cleaning, sterilizing, and conditioning. J. W. D. Chesney. 2,150,263; Mar. 14.
Aldehyde, Manufacture of propionic. M. Gallagher and R. L. Hasche. 2,150,158; Mar. 14.
Alkali cyanides, Protecting. J. H. Schmitt. 2,150,786; Mar. 14.
Alloy parts, Connecting light metal. H. Caminez. 2,150,875; Mar. 14.
Alloy steel. B. D. Saklatwalla. 2,150,341; Mar. 14.
Alloy steel and structural member. B. D. Saklatwalla. 2,150,342; Mar. 14.
Alpha aryl phthalides, Preparing. P. R. Austin and P. L. Salzberg. 2,150,595; Mar. 14.
Aluminum alloys. E. G. Grundstrom. 2,150,219; Mar. 14.
Aluminum or its alloys for acid proof and alkali proof, Coloring the surface of. K. Nagata. 2,150,395; Mar. 14.
Amine derivatives, Furyl. H. I. Cramer. 2,150,423; Mar. 14.
Amine derivatives, Hydrogenated furyl. H. I. Cramer. 2,150,422; Mar. 14.
Amine of the dimethyl aniline type, Manufacture of tertiary. W. M. Hinman and W. G. Hillmann. 2,150,832; Mar. 14.
Ammonium fluosilicates, Long chain alkyl quaternary. R. B. Flint. 2,150,601; Mar. 14.
Amplifier, Low frequency. R. F. Volz and A. J. W. de Groot. 2,150,567; Mar. 14.
Ampoule filler. F. Cozzoli. 2,150,760; Mar. 14.
Anchor, Earth. C. W. Brakensiek. 2,150,358; Mar. 14.
Anchoring device. H. E. Sipe. 2,150,866; Mar. 14.
Aneroid, Self-compensating. P. Koilsman. 2,150,771; Mar. 14.
Anodic oxidized coating of aluminum or its alloys, Dyeing. Y. Yasoshima. 2,150,409; Mar. 14.
Antihalation layers for photographic films. L. E. Muehler. 2,150,695; Mar. 14.
Antioxidant. H. I. Cramer. 2,150,421; Mar. 14.
Antiskid device. B. Littmann and R. C. Rueff. 2,150,448; Mar. 14.
Apparatus controller, Mechanical interlock multiple. J. N. McClure. 2,150,838; Mar. 14.
Appliance for use in the teaching of arithmetic. C. Kuiper. 2,150,508; Mar. 14.
Arch support for shoes. W. H. Nickerson. 2,150,779; Mar. 14.
Article of manufacture and producing same. F. K. Bezzenberger. 2,150,671; Mar. 14.
Articles, Apparatus for making roll-forged. F. N. Ross, F. L. Scoutten, and J. F. Ferm. 2,150,402; Mar. 14.
Articles for multicolor printing, Registration of. F. and Q. H. Shurley. 2,150,522; Mar. 14.
Automobiles and like vehicles, Suspension of. G. W. Bell. 2,150,576; Mar. 14.
Axle hook-up, Tandem. W. J. Hyatt. 2,150,604; Mar. 14.

Azo compounds. J. G. McNally and J. B. Dickey. 2,150,180; Mar. 14.
Bagger. H. E. Weinstein. 2,150,753; Mar. 14.
Bags, Method and device for the mechanical production of multiple walled paper. M. Goder. 2,150,275; Mar. 14.
Bait harness, Frog and minnow. H. Wagner. 2,150,874; Mar. 14.
Barge construction. H. C. Elliott. 2,150,763; Mar. 14.
Bathtub. O. G. Watt. 2,150,531; Mar. 14.
Beauty parlor chair. A. A. Mullooly. 2,150,720; Mar. 14.
Bench, Greenhouse. M. Winandy. 2,150,257; Mar. 14.
Benzanilides and their preparation, Substituted. S. S. Rossander and H. W. Mathieu. 2,150,190; Mar. 14.
Beverage dispensing assembly. F. C. Hamilton. 2,150,439; Mar. 14.
Beverage dispensing system. N. De Steffan. 2,150,673; Mar. 14.
Beverage display and mixing machine. A. F. Willat. 2,150,792; Mar. 14.
Beverage flow control, Carbonated. F. W. Hess. 2,150,655; Mar. 14.
Bier, Casket. W. E. Klever. 2,150,582; Mar. 14.
Binder, Loose-leaf ring. F. S. Schade. 2,150,590; Mar. 14.
Bindweed cutter. A. J. Warta. 2,150,304; Mar. 14.
Bitt and ventilator, Combined ship's. P. F. Leon. 2,150,556; Mar. 14.
Blade and packet, Protected. C. J. Tuttle. 2,150,592; Mar. 14.
Blanket, Child. I. Bjornson. 2,150,486; Mar. 14.
Blasting cap, Electric. C. R. Johnson and W. E. Kirst. 2,150,374; Mar. 14.
Block: *See*—
Building block.
Blower. O. D. H. Bentley. 2,150,670; Mar. 14.
Board: *See*—
Engraver's shading board. Game board.
Bodies in holes in other bodies, Method of and apparatus for securing hollow. J. F. G. Chobert. 2,150,361; Mar. 14.
Bore holes, Method and apparatus for continuous exploration of. J. J. Jakosky. 2,150,169; Mar. 14.
Bottle closure and liquid withdrawal device, Combined. A. S. Moffat. 2,150,862; Mar. 14.
Box: *See*—
Folding box.
Brace, Sidesway. S. M. Nampa. 2,150,746; Mar. 14.
Bracket. H. C. Hoffman. 2,150,222; Mar. 14.
Bracket for tools and the like, Adjustable supporting. L. M. Latsch. 2,150,802; Mar. 14.
Brake: *See*—
Hydraulic brake.
Brake mechanism for railway cars, Hand. J. E. Lindeman. 2,150,742; Mar. 14.
Brake shoe linkage. E. H. Piron. 2,150,631; Mar. 14.
Brake transmission unit, Adjustable. M. T. Voigt. 2,150,867; Mar. 14.
Braking system, Magnetic. E. H. Piron. 2,150,630; Mar. 14.
Bread slicing machine. H. J. Criner. 2,150,426–7; Mar. 14.
Broaching surfaces. A. L. Nilsson. 2,150,455; Mar. 14.
Brush holder. A. S. Adams. 2,150,706; Mar. 14.
Bubble tower construction. R. L. Geddes and E. W. Thiele. 2,150,498; Mar. 14.
Buckle. P. W. White. 2,150,407; Mar. 14.
Buffer coupling, Automatic. L. Kurtossy. 2,150,330; Mar. 14.
Building block. L. Anderson. 2,150,707; Mar. 14.
Building block. M. Gochnauer. 2,150,828; Mar. 14.
Building block. W. S. Rugg and H. D. James. 2,150,809; Mar. 14.
Building construction. A. M. McLellan. 2,150,606; Mar. 14.
Building, Prefabricated. J. H. Magnuson. 2,150,804; Mar. 14.
Bunion removing appliance. W. L. Carroll. 2,150,645; Mar. 14.
Burglar alarm switch. C. F. Schultz. 2,150,873; Mar. 14.
Burner: *See*—
Gas burner.
Burners, Attachment for liquid fuel. E. C. Vollmer. 2,150,782; Mar. 14.
Button. L. Richmond and D. Eckert. 2,150,563; Mar. 14.
Button manufacture. J. M. Clark. 2,150,877; Mar. 14.

Cab signaling and train control system, Continuous inductive. D. V. Edwards. 2,150,857; Mar. 14.
Cabinet: *See*—
Towel cabinet.
Cabinet. H. Stephens. 2,150,640; Mar. 14.
Cable system, Electric. C. E. Bennett. 2,150,201; Mar. 14.
Calculating machine. G. C. Chase. 2,150,578; Mar. 14.
Calorie counter. R. C. Herzog. 2,150,442; Mar. 14.
Camera. R. Warren and T. S. Greisel. 2,150,853; Mar. 14.
Camera focusing attachment. P. C. Stetson. 2,150,703; Mar. 14.
Camera, Photographic. C. Wachtler. 2,150,642; Mar. 14.
Camera winding device. J. Mihalyi. 2,150,693; Mar. 14.
Camera with automatic exposure adjustment, Photographic. K. Dziewior. 2,150,365; Mar. 14.
Canal, Fulling. T. Frusher, Jr. 2,150,679; Mar. 14.
Cap: *See*—
Blasting cap.
Car: *See*—
Load discharging car. Mine car.
Car truck frame. M. P. Blomberg and W. H. Mussey. 2,150,870; Mar. 14.
Car underframe, Railway. A. Campbell. 2,150,417; Mar. 14.
Carbon black, Producing high quality. L. von Szeszich. 2,150,790; Mar. 14.
Carburetor. A. J. Farineau. 2,150,764; Mar. 14.
Carburetor for internal combustion engines. R. L. Spencer. 2,150,296; Mar. 14.
Card handling machine. F. E. Hamilton. 2,150,220; Mar. 14.
Card operated machine, Statistical. R. E. Page. 2,150,243; Mar. 14.
Carton, Collapsible egg. R. Sandell. 2,150,461; Mar. 14.
Case: *See*—
Refrigerating display case.
Casement window fastener. F. J. Thompson. 2,150,851; Mar. 14.
Casing for furnaces and the like. G. D. Hauser. 2,150,682; Mar. 14.
Castings, Apparatus for forming. F. H. Le Jeune. 2,150,510; Mar. 14.
Catalysts for hydrogenation and like processes, Revivification of. T. H. Durrans and B. T. D. Sully. 2,150,270; Mar. 14.
Catch, Multiple. K. F. Ziehm, Jr. 2,150,536; Mar. 14.
Cellulose esters from wood pulp, Preparing. C. J. Malm. 2,150,689; Mar. 14.
Cellulose in attenuated form, Pretreatment for esterification of. C. J. Malm. 2,150,690; Mar. 14.
Cellulose, Treatment of regenerated. P. B. Cochran, M. V. Hitt, and L. Van Taylor. 2,150,205; Mar. 14.
Center finder and indicator for lathes and the like. L. J. Bernhardt. 2,150,577; Mar. 14.
Center spot crowns, Making. J. B. Eisen. 2,150,212; Mar. 14.
Cereals and the like, Preserving. A. A. Ginaca. 2,150,827; Mar. 14.
Chair: *See*—
Beauty parlor chair. Invalid chair.
Convertible chair.
Chair. A. P. de Sanno, Jr. 2,150,429; Mar. 14.
Chair. A. A. Mullooly. 2,150,721; Mar. 14.
Chair. J. Stewart. 2,150,297; Mar. 14.
Channel or like sections from strip metal, Rolling. C. V. Smith. 2,150,731; Mar. 14.
Chuck for mine drilling machines. Drill. E. Ronneberg. 2,150,189; Mar. 14.
Cigarette. R. F. May. 2,150,512; Mar. 14.
Cigarettes, Manufacture of. A. Bingham. 2,150,596; Mar. 14.
Circuit: *See*—
Electrical impulse segregation circuit.
Circuit breaker. J. B. MacNeil. 2,150,584; Mar. 14.
Circuit breaker. A. J. A. Peterson. 2,150,587; Mar. 14.
Circuit breaker. R. N. Rowe. 2,150,564; Mar. 14.
Circuit for signal transmitting and receiving apparatus, Control. A. A. Collins. 2,150,362; Mar. 14.
Circuit interrupter. W. M. Scott, Jr. 2,150,566; Mar. 14.
Circuit interrupter. K. Wulsten. 2,150,307; Mar. 14.
Circuit interrupter, Electric. W. D. Crocker. 2,150,206; Mar. 14.
Clamp applying means, Hose. G. L. McKee. 2,150,234; Mar. 14.
Clasp, Extensible bracelet. J. Dalo. 2,150,318; Mar. 14.
Cleaner: *See*—
Air cleaner. Well cleaner.
Tube cleaner.
Cleaner and grader, Seed. F. O. Taylor. 2,150,298; Mar. 14.
Cleaning device for glass-washing machines. J. D. Markwood. 2,150,511; Mar. 14.
Clock, Electric. C. F. Minneker. 2,150,516; Mar. 14.
Closure. I. Lieber. 2,150,627; Mar. 14.
Clothes hanger. R. Bernhardt. 2,150,484; Mar. 14.
Clothesline extension. F. Cavuoti. 2,150,820; Mar. 14.
Clothespin. A. Kraynick. 2,150,686; Mar. 14.
Clutch for printing presses, Reversing. H. Davis. 2,150,672; Mar. 14.
Clutch mechanism. One-way. M. de Falco. 2,150,715; Mar. 14.
Coal, Apparatus for screening and loading. G. S. Jaxon. 2,150,717; Mar. 14.
Coat, Hunting. L. Shanhouse. 2,150,251; Mar. 14.
Coating for sheet steel, Alkaline. W. Morrill. 2,150,777; Mar. 14.
Coffee maker, Electric. C. D. Keaton. 2,150,801; Mar. 14.
Coin lock. A. Wunderlich. 2,150,705; Mar. 14.
Coin wrappers with coins, Device for filling. A. N. Wagner. 2,150,473; Mar. 14.
Collapsible container. B. J. Frost. 2,150,620; Mar. 14.
Collar and lining material therefor. E. A. King. 2,150,881; Mar. 14.
Color reproduction. L. D. Mannes and L. Gedowsky, Jr. 2,150,691; Mar. 14.
Coloring matters soluble in organic media, Manufacture of phthalocyanine. A. A. Harrison and H. Samuels. 2,150,741; Mar. 14.
Column, Extraction. A. Olier. 2,150,608; Mar. 14.
Comb, Finger-grip. E. Y. Berry. 2,150,260; Mar. 14.
Combustion, Producing. E. L. Wiegand and O. R. Olson. 2,150,533; Mar. 14.
Commodities in receptacles, Packing. W. F. Christel. 2,150,490; Mar. 14.
Communication system. H. J. Nichols. 2,150,240; Mar. 14.
Communication system. H. J. Nichols and H. L. Tholstrup. 2,150,241; Mar. 14.
Compensating devices for valve control. R. C. Ball. 2,150,813; Mar. 14.
Composite structural member and building unit, Nailable. G. F. Kotrbaty. 2,150,172; Mar. 14.
Composition of matter and method of making. A. H. Bowen and T. W. Dike. 2,150,147; Mar. 14.
Compressor. C. S. Sorensen. 2,150,347; Mar. 14.
Compressor apparatus. S. Brown. 2,150,487; Mar. 14.
Concrete placement machine. C. Jackson. 2,150,325; Mar. 14.
Concrete placing apparatus. C. Jackson. 2,150,326; Mar. 14.
Concrete structures, Erecting. J. Hallisy. 2,150,830; Mar. 14.
Condenser. W. E. Fisher. 2,150,678; Mar. 14.
Conductor system, High frequency. J. W. Milnor. 2,150,451; Mar. 14.
Connecting rod. H. C. Hill. 2,150,548; Mar. 14.
Connection, Wire. A. H. Schafer. 2,150,404; Mar. 14.
Container: *See*— Ice cream container.
Collapsible container. Parachute pack container.
Electric shampoo container. Proprietary container.
Container. J. E. Annen. 2,150,308; Mar. 14.
Container. C. Campbell. 2,150,152; Mar. 14.
Continuous heating furnace. T. Stassinet. 2,150,613; Mar. 14.
Control device. G. K. Eggleston. 2,150,858; Mar. 14.
Control device. T. S. Safford. 2,150,403; Mar. 14.
Control for accordions. R. L. Fairbairn. 2,150,600; Mar. 14.
Control means for refrigerating apparatus. C. F. Kettering. 2,150,880; Mar. 14.
Control mechanism, Selective remote. A. W. Wheaton. 2,150,667; Mar. 14.
Convertible chair. H. A. Yerrick. 2,150,478; Mar. 14.
Conveyer, Loader. H. Edwards. 2,150,211; Mar. 14.
Conveyer table. E. J. Raffetto. 2,150,610; Mar. 14.
Cooler: *See*—
Cream cooler.
Cooling system. C. S. Leopold. 2,150,229; Mar. 14.
Couch, Studio. M. Fox. 2,150,879; Mar. 14.
Counterbalancing device. J. F. Eaton. 2,150,822; Mar. 14.
Coupling: *See*—
Buffer coupling.
Coupling. A. A. Forsberg. 2,150,765; Mar. 14.
Coupling. B. Thomson. 2,150,468; Mar. 14.
Cover structure. L. F. Berg. 2,150,756; Mar. 14.
Cracker crumber. J. L. Camenzind. 2,150,488; Mar. 14.
Crank, Knife sharpening. W. Mahler. 2,150,585; Mar. 14.
Cream cooler. J. W. Sadler and G. A. Blunt. 2,150,751; Mar. 14.
Crucible mouthpiece for type casting machines. S. Rabinowitz. 2,150,339; Mar. 14.
Curler, Hair. H. Natkiel. 2,150,871; Mar. 14.
Current control and discharge of transient overvoltages. O. Hutchins and J. R. McFarlin. 2,150,167; Mar. 14.
Curtain fixture. J. H. Boye. 2,150,204; Mar. 14.
Cushion. J. N. Naulty. 2,150,747; Mar. 14.
Cutter: *See*—
Bindweed cutter. Inserted blade cutter.
Cylinder lock. R. Simon. 2,150,639; Mar. 14.
Deicing apparatus for airplane propellers. T. L. Siebenthaler. 2,150,521; Mar. 14.
Desk, School. B. H. Durbin. 2,150,739; Mar. 14.
Detector, Photoelectric message. R. W. Stain. 2,150,467; Mar. 14.
Device for oscillographically recording the action voltages of the human heart. H. E. Hollmann. 2,150,223; Mar. 14.
Dextrose, Manufacture of. T. H. Barnard and P. L. Stern. 2,150,146; Mar. 14.
Dextrose, Manufacture of. R. C. Wagner and P. L. Stern. 2,150,197; Mar. 14.

Differential mechanism. A. L. Barnes. 2,150,312; Mar. 14.
Direction finding system. R. J. Kemp. 2,150,551; Mar. 14.
Discharge device, Electric. V. K. Zworykin and L. Malter. 2,150,573; Mar. 14.
Disk, Drawing. H. Unckel. 2,150,734; Mar. 14.
Dispenser. R. Bernhardt. 2,150,485; Mar. 14.
Dispenser. E. G. Wessman. 2,150,306; Mar. 14.
Dispensing apparatus. S. F. Anderson. 2,150,479; Mar. 14.
Display device. F. C. Cooper. 2,150,712; Mar. 14.
Display device. R. J. Mancuso. 2,150,743; Mar. 14.
Display device. W. S. Pearson. 2,150,748; Mar. 14.
Display device. G. S. Whidden. 2,150,854; Mar. 14.
Distillation process. K. C. D. Hickman. 2,150,683; Mar. 14.
Dithiocarbamates, Stabilization of. C. F. Winans. 2,150,475; Mar. 14.
Door: *See*—
Overhead door. Refrigerator car door.
Door closer and mount. A. H. Floreth. 2,150,435; Mar. 14.
Drier: *See*—
Film drier.
Drive mechanism, Selective. R. J. Burrows, R. Lapsley, and A. O. Williams. 2,150,150–1; Mar. 14.
Drive, Variable speed. L. E. Perrine. 2,150,456; Mar. 14.
Duplicating apparatus. A. Marchev. 2,150,744; Mar. 14.
Dye composition and coloring therewith. J. G. McNally and J. A. Leermakers. 2,150,692; Mar. 14.
Dye from cracked tar, Preparing lubricating oil. O. H. Dawson. 2,150,363; Mar. 14.
Dyes. W. Lange. 2,150,772; Mar. 14.
Dyes and making same, Disazo. S. S. Rossander. 2,150,191; Mar. 14.
Dyestuff, Mono-azo acid wool. C. T. Schultis and E. Korten. 2,150,787; Mar. 14.
Dyestuffs, Azo. A. H. Knight. 2,150,380; Mar. 14.
Dyestuffs of the anthraquinone series. W. Zerweck, E. Heinrich, and O. Trösken. 2,150,793; Mar. 14.
Egg candling machine. J. W. Johnson. 2,150,375; Mar. 14.
Egg separator. V. T. Milward. 2,150,719; Mar. 14.
Electric heater. C. A. Nickle and G. R. Brophy. 2,150,780; Mar. 14.
Electric shampoo container. J. T. and C. Edwards. 2,150,762; Mar. 14.
Electric switch. G. R. Brown. 2,150,758; Mar. 14.
Electrical device. H. S. Keating. 2,150,376; Mar. 14.
Electrical discharge device. K. H. Kingdon. 2,150,770; Mar. 14.
Electrical impulse segregation circuit. R. Schienemann. 2,150,752; Mar. 14.
Electrode holder. A. H. Smith. 2,150,464; Mar. 14.
Electrode mount. N. H. Green. 2,150,323; Mar. 14.
Electrolytic cell. G. Messner. 2,150,775; Mar. 14.
Electron discharge system. P. Schwerin and H. C. Atkins. 2,150,346; Mar. 14.
Electron multiplier. T. H. Clark. 2,150,317; Mar. 14.
Electron multiplier, Secondary. M. Ploke and W. Lang. 2,150,632; Mar. 14.
Electro-optical system. F. Gray. 2,150,159–60; Mar. 14.
Electro-optical system. H. E. Ives. 2,150,168; Mar. 14.
Elevator link retainer. H. V. De Coursey. 2,150,581; Mar. 14.
Elevator safety device. F. Hymans. 2,150,373; Mar. 14.
Engine: *See*—
Internal combustion engine. Two-cycle engine.
Engine starting apparatus. J. W. Allen. 2,150,594; Mar. 14.
Engine structure. R. Wintzer. 2,150,535; Mar. 14.
Engraver's shading board. C. Wilhelm. 2,150,855; Mar. 14.
Esters and making same, Alkyl methacrylic. E. L. Kropa. 2,150,507; Mar. 14.
Esters, Production of secondary alkylidene cyanoacetic. A. C. Cope. 2,150,154; Mar. 14.
Etiocholanones and their derivatives and producing the same, Addition products of saturated and unsaturated. W. Schoeller and A. Serini. 2,150,885; Mar. 14.
Evaporator. B. S. Hughes. 2,150,860; Mar. 14.
Excavator. W. L. Shackleton. 2,150,848; Mar. 14.
Exploration method, Electrical. D. S. Muzzey, Jr. 2,150,517; Mar. 14.
Extension device. N. T. Nelson. 2,150,872; Mar. 14.
Fabric and knitting the same, Knitted. J. and R. H. Lawson. 2,150,773; Mar. 14.
Fabric construction and method of making. R. H. Foster. 2,150,652; Mar. 14.
Fastener: *See*—
Casement window fastener. Rail fastener.
Panel fastener.
Fastener. E. B. Fernberg. 2,150,497; Mar. 14.
Fastener applying implement. A. H. Maynard. 2,150,332; Mar. 14.
Fastening means, Making. G. A. Tinnerman. 2,150,852; Mar. 14.
Feed mechanism. R. E. Price, H. E. Balsiger, and C. L. Ott. 2,150,749; Mar. 14.
Feed roll mechanism. A. F. Fischer. 2,150,824; Mar. 14.
Feeding device for textile machines. A. L. Lewis and N. F. Fretter. 2,150,882; Mar. 14.
Fence post. E. J. Paque. 2,150,291; Mar. 14.
Fertilizer. S. B. Heath and J. W. Corey. 2,150,164; Mar. 14.
Filing apparatus, Loose-leaf. R. F. Power. 2,150,518; Mar. 14.
Film drier. H. O. Bodine. 2,150,757; Mar. 14.
Film packet for cameras. A. Goddard. 2,150,372; Mar. 14.
Film winding mechanism. J. B. Nelson. 2,150,696; Mar. 14.
Films, Casting. C. Scott. 2,150,250; Mar. 14.
Filter attaching means for photographic cameras. H. Kuppenbender. 2,150,626; Mar. 14.
Filter screen. K. H. Colville. 2,150,889; Mar. 14.
Fireplace screen. D. K. Elsele. 2,150,367; Mar. 14.
Fireproof construction. C. R. Williams. 2,150,754; Mar. 14.
Fish lure. G. B. Rayburn. 2,150,846; Mar. 14.
Fitting and making same. O. L. Starr. 2,150,524; Mar. 14.
Flashlight, Pocket. H. W. Batcheller. 2,150,644; Mar. 14.
Flask. A. J. Rellinger. 2,150,589; Mar. 14.
Floodlight support. W. D. Cook. 2,150,542; Mar. 14.
Fluid pressure device. J. C. Cotner. 2,150,266; Mar. 14.
Flume, Metal. R. M. Soper. 2,150,466; Mar. 14.
Flux for use in electric welding, Making. L. T. Jones, H. E. Kennedy, and M. A. Rotermund. 2,150,625; Mar. 14.
Fog inhibitor for photographic emulsions. S. E. Sheppard and W. Vanselow. 2,150,702; Mar. 14.
Folding box. R. W. Hoag. 2,150,443; Mar. 14.
Folding table. W. P. De Saussure, Jr. 2,150,878; Mar. 14.
Folding table, Adjustable. R. M. Owen. 2,150,397; Mar. 14.
Food cooking apparatus. J. D. Ferry. 2,150,273; Mar. 14.
Food products, Producing vitamin. A. E. Briod and B. R. East. 2,150,315; Mar. 14.
Foodstuffs, Preservation of. R. Thilenius. 2,150,616; Mar. 14.
Footwear. R. Maling. 2,150,385; Mar. 14.
Foundations, Making building. A. T. Levy. 2,150,176; Mar. 14.
Frame: *See*—
Car truck frame.
Freight transporting mechanism. A. H. Furnish. 2,150,371; Mar. 14.
Friction element, Fibrous. G. E. Pope. 2,150,186; Mar. 14.
Fruits, Treating citrus. J. R. MacRill. 2,150,283; Mar. 14.
Fuel-injection control device. G. Amery. 2,150,574; Mar. 14.
Fuels, Gasification of liquid. E. J. Ther and M. B. Mason. 2,150,528; Mar. 14.
Furnace: *See*—
Continuous heating furnace.
Furnace. R. L. Beers. 2,150,481; Mar. 14.
Furnace and heating means therefor, Calcining. E. L. Wiegand and O. R. Olson. 2,150,532; Mar. 14.
Furniture. A. H. Finlay. 2,150,434; Mar. 14.
Fuse device for electric circuits, Multiple. R. G. Sanford. 2,150,249; Mar. 14.
Game. H. O. Walker. 2,150,303; Mar. 14.
Game apparatus. J. F. Meyer. 2,150,515; Mar. 14.
Game apparatus. F. Rock. 2,150,847; Mar. 14.
Game board. L. F. Smith. 2,150,850; Mar. 14.
Garment fitting device. R. C. Welch. 2,150,305; Mar. 14.
Garment hanger support. C. L. Gill. 2,150,826; Mar. 14.
Garment with disappearing-type hood. E. M. Kelly. 2,150,171; Mar. 14.
Gas burner. I. V. Brumbaugh. 2,150,819; Mar. 14.
Gasoline distillates, Treating raw. W. O. Keeling. 2,150,170; Mar. 14.
Gear: *See*—
Landing gear. Reduction gear.
Gear for vehicles, Steering. E. J. Weston. 2,150,199; Mar. 14.
Generator speed regulator, Polyphase. V. Roosa and E. Silber. 2,150,520; Mar. 14.
Glass breaking apparatus, Sheet. J. R. Morris. 2,150,391; Mar. 14.
Glass, Optical. G. W. Morey. 2,150,694; Mar. 14.
Glass sheet glazing construction, Multiple. J. D. Biggers. 2,150,355; Mar. 14.
Glow discharge lamp. O. C. Bleicher. 2,150,356; Mar. 14.
Glue and method of making. I. F. Laucks and G. Davidson. 2,150,175; Mar. 14.
Goggles. J. W. Welsh. 2,150,791; Mar. 14.
Gold, platinum, and other metals of the platinum group into a dissolved form, Converting. O. Ehrhart. 2,150,366; Mar. 14.
Golf club. C. Y. Chittick. 2,150,737; Mar. 14.

Golf teaching and practicing device. R. Crowley. 2,150,580; Mar. 14.
Graph approximator. R. G. Sagebeer. 2,150,636; Mar. 14.
Gravity meter. S. A. Scherbatskoy. 2,150,405; Mar. 14.
Grinding wheel. E. Van der Pyl. 2,150,886; Mar. 14.
Guard, Hosiery. J. H. Kane. 2,150,327; Mar. 14.
Guide for tractors, Floating drawbar. G. H. Dreisbach. 2,150,269; Mar. 14.
Guiding means for conveyer chains. H. Edwards. 2,150,320; Mar. 14.
Hair, Apparatus for winding. J. McAdie. 2,150,513; Mar. 14.
Hair curling apparatus. B. Marek and C. Sebesta. 2,150,285; Mar. 14.
Hair curling device. H. B. Hobbs. 2,150,504; Mar. 14.
Hamburger steak forming machine. S. Santo. 2,150,659; Mar. 14.
Handle: *See*—
Waffle iron handle.
Hanger: *See*—
Clothes hanger.
Hanger. I. J. Shafarman. 2,150,869; Mar. 14.
Hanger for gutters. C. P. Boyd. 2,150,414; Mar. 14.
Harmonic producer. J. M. Manley. 2,150,386; Mar. 14.
Harness for cruppers, Supporting and applying. S. B. Swaggerty. 2,150,526; Mar. 14.
Heat exchange unit. C. A. Leidig. 2,150,803; Mar. 14.
Heater: *See*—
Air heater. Electric heater.
Heel-cap press. C. L. Sien. 2,150,523; Mar. 14.
Heel-seat fitting machine. G. Hazelton. 2,150,277; Mar. 14.
Helmet, Athletic. J. A. Mulvey. 2,150,290; Mar. 14.
Hoist, Free-chain planetary. F. W. Coffing. 2,150,419; Mar. 14.
Holder: *See*—
Brush holder. Receptacle and brush holder.
Electrode holder.
Necktie holder.
Holder and clamp, Shankless bit. E. Reaney. 2,150,561; Mar. 14.
Holder for hand-driven weaving looms, Warp. A. H. and G. H. Raba. 2,150,843; Mar. 14.
Holder for loose leaf binders, Card. W. P. Williams. 2,150,474; Mar. 14.
Holder for surgical needles. E. A. J. Ericsson. 2,150,496; Mar. 14.
Hose and method of making, Flanged. J. D. Berwick. 2,150,412; Mar. 14.
Hose bridge and curb jumper. E. W. Taylor. 2,150,591; Mar. 14.
Hose, Flexible metallic. J. Van Vulpen. 2,150,471; Mar. 14.
Hosiery. J. W. Mettler. 2,150,333; Mar. 14.
Hosiery. J. H. Miller and F. Evans. 2,150,335; Mar. 14.
House, Malt. H. J. H. King. 2,150,769; Mar. 14.
Housings, Forming sheet metal coin collector. A. R. MacLagan. 2,150,384; Mar. 14.
Hydraulic brake. H. K. Weihe. 2,150,617; Mar. 14.
Hydraulic motor. B. J. Pugh. 2,150,293; Mar. 14.
Hydrocarbon conversion. W. O. Mitscherling. 2,150,657; Mar. 14.
Hydrocarbon tar-like products, Processing of. C. A. Thomas and F. L. Taylor. 2,150,641; Mar. 14.
Hydrocarbons, Treatment of. W. A. Myers. 2,150,183; Mar. 14.
Ice cream container, Flat bottom. T. D. Currie. 2,150,207; Mar. 14.
Igniter, Automatic. A. P. Kunowich. 2,150,687; Mar. 14.
Igniting mechanism for gas burners. N. T. Branche. 2,150,415; Mar. 14.
Ignition apparatus. E. B. Nowosielski. 2,150,724; Mar. 14.
Ignition apparatus. E. B. Nowosielski. 2,150,726–8; Mar. 14.
Incandescent lamp. F. J. Major. 2,150,232; Mar. 14.
Incineration. G. R. Lewers. 2,150,231; Mar. 14.
Indicating means. L. G. Tubbs. 2,150,302; Mar. 14.
Indicator: *See*—
Visibility indicator.
Indicators for scales, Weight demarcating and fractional hour rate. G. E. Reinking. 2,150,245; Mar. 14.
Insecticidal and fungicidal compositions. R. H. Carter. 2,150,759; Mar. 14.
Inserted blade cutter. F. P. Miller. 2,150,286; Mar. 14.
Insoles and sheets therefor, Making. F. L. Ayers. 2,150,575; Mar. 14.
Insulation. C. G. Munters. 2,150,182; Mar. 14.
Interlocking system for railroads. S. N. Wight. 2,150,868; Mar. 14.
Internal combustion engine. E. S. Hall. 2,150,162; Mar. 14.
Internal combustion engine valve. E. G. Touceda. 2,150,255; Mar. 14.
Invalid chair. T. Harris. 2,150,441; Mar. 14.
Jack. D. E. Haney. 2,150,831; Mar. 14.
Joint: *See*—
Rotary tool joint. Swing joint.
Joint arrangement. L. I. Beckwith. 2,150,795; Mar. 14.
Joint covering and finish, Noncracking. A. C. Benedict. 2,150,399; Mar. 14.
Joint for concrete pavements, walks, or the like, Expansion. J. Banwell. 2,150,710; Mar. 14.
Joints and joint strips adapted to form joints, Forming. H. C. and T. Lord. 2,150,282; Mar. 14.
Knitting. J. H. Miller and F. Evans. 2,150,336; Mar. 14.
Knitting machine. C. F. Schuessler. 2,150,730; Mar. 14.
Knitting machine. W. A. Zieve. 2,150,200; Mar. 14.
Lamp: *See*—
Glow discharge lamp. Incandescent lamp.
Landing gear, Retractable. D. R. Berlin, W. O. Watson, and W. Tydon. 2,150,537; Mar. 14.
Lead styphnate and a method of making it, Normal. B. M. Franz, J. W. Wilkinson, and S. D. Ehrlich. 2,150,653; Mar. 14.
Leather, Coloring of. M. Mendoza and G. S. J. White. 2,150,389; Mar. 14.
Lever. W. H. Silver. 2,150,660; Mar. 14.
Light rays, Device for deviating a pencil of. O. Eppenstein. 2,150,544; Mar. 14.
Liner for coffee-grounds holders of coffee makers. R. T. Pitt. 2,150,588; Mar. 14.
Liquid distributor. J. Q. Cope. 2,150,491; Mar. 14.
Liquids, Apparatus for dispensing of. H. H. E. Werneman. 2,150,198; Mar. 14.
Load cushioning. N. E. Hendrickson. 2,150,622; Mar. 14.
Load discharging car. A. Campbell. 2,150,418; Mar. 14.
Lock: *See*—
Coin lock.
Locking a prisoner in an automobile. C. J. and B. V. Fitzgerald. 2,150,368; Mar. 14.
Loom. W. H. Baker. 2,150,668; Mar. 14.
Loom for home work, Hand driven weaving. A. H. and G. H. Raba. 2,150,187; Mar. 14.
Lubricating system for fur sewing machines. C. Bonis. 2,150,619; Mar. 14.
Machine for longitudinally and transversely slicing pickles and the like. R. D. Williams. 2,150,735; Mar. 14.
Machine for treating articles of sheet material. H. Gingell. 2,150,274; Mar. 14.
Magneto. T. G. Louis. 2,150,688; Mar. 14.
Maleic anhydride, Purification of. E. R. Littmann. 2,150,331; Mar. 14.
Manifolding. W. G. Borchers and N. Cirillo. 2,150,538; Mar. 14.
Marker, Dry line. W. M. Overcash. 2,150,609; Mar. 14.
Marker, Potential recording. F. Offner. 2,150,729; Mar. 14.
Marking machine. H. E. Elliott. 2,150,272; Mar. 14.
Material, and making same, Textile. W. Whitehead. 2,150,568; Mar. 14.
Material, Apparatus for classifying. J. E. Kennedy. 2,150,226; Mar. 14.
Material, Heat treating flowable. E. Wiegand and O. R. Olson. 2,150,534; Mar. 14.
Material to backings or holders, Attaching spongy. S. P. Vaughn. 2,150,196; Mar. 14.
Materials and preparing same, Textile. W. Whitehead. 2,150,570–1; Mar. 14.
Materials and product thereof, Treatment of porous. H. F. Rippey and T. W. Dike. 2,150,188; Mar. 14.
Materials and their preparation, Textile. W. Whitehead. 2,150,569; Mar. 14.
Materials, Arrangement for testing the inner work absorbed by. G. Keinath. 2,150,377; Mar. 14.
Materials, Art of drying. C. S. Jennings and F. W. Gerard. 2,150,445; Mar. 14.
Materials containing tantalum and/or niobium, Treatment of. J. P. Leemans. 2,150,555; Mar. 14.
Matrix rolling machine. H. C. Behrens. 2,150,711; Mar. 14.
Measuring apparatus. C. Paulson. 2,150,398; Mar. 14.
Measuring, indicating, and recording instrument. T. R. Harrison, E. H. Grauel, and J. E. Kessler. 2,150,502; Mar. 14.
Measuring instrument, Electrical. F. X. Lamb. 2,150,836; Mar. 14.
Mercaptothiazole derivatives. L. B. Sebrell. 2,150,463; Mar. 14.
Mercury switch. H. A. Dudgeon. 2,150,674; Mar. 14.
Mercury switch. H. Kerschbaum. 2,150,379; Mar. 14.
Metal and metalloid-containing complex compounds, Process and product relating to organic. A. J. van Peski and J. A. van Melsen. 2,150,349; Mar. 14.
Metal portions of coin collector housings, Forming. A. R. MacLagan and F. F. Schuster. 2,150,383; Mar. 14.
Metal recovery. H. N. Gilbert. 2,150,437; Mar. 14.
Metals, Electrolytic production of alkali. I. J. Moltkehansen. 2,150,289; Mar. 14.
Metals from ores, Smelting. J. M. Avery. 2,150,145; Mar. 14.
Metals, Refining of white. G. E. Behr. 2,150,353; Mar. 14.
Metallic articles substantially free from impurities, Producing. J. Tyssowski. 2,150,470; Mar. 14.
Meter: *See*—
Gravity meter. Parking meter.
Mill: *See*—
Rolling mill. Roughage mill.
Mine car. A. Bramley. 2,150,818; Mar. 14.
Molding, Apparatus for multiple pressure. R. R. Ridgway and B. L. Bailey. 2,150,884; Mar. 14.

Molybdenum, Ferrated colloidal. P. R. Vessie. 2,150,472; Mar. 14.
Mooring, Airship. H. W. Crum and D. W. Brown. 2,150,428; Mar. 14.
Motor: *See*—
Hydraulic motor.
Motor control system. R. E. Conover. 2,150,265; Mar. 14.
Motor control system, Synchronous. E. W. Swanson. 2,150,662–4; Mar. 14.
Motor for electric razors or the like, Magnetic. T. S. Casner. 2,150,153; Mar. 14.
Motor mounting for inflatable boats. J. F. Cooper. 2,150,420; Mar. 14.
Motor protector switch. J. A. Rodgers. 2,150,635; Mar. 14.
Mounting: *See*—
Spring mounting.
Mounting arrangement for piezoelectric crystals. O. E. Keall and E. O. Smith. 2,150,328; Mar. 14.
Mounting for electric switches. W. G. Harlow. 2,150,766; Mar. 14.
Mower, Power. M. P. Vargas. 2,150,350; Mar. 14.
Muffler. G. H. Hedrick. 2,150,768; Mar. 14.
Muffler. G. C. Starkweather and L. L. Haas. 2,150,811; Mar. 14.
Muffler. M. L. Warsing. 2,150,530; Mar. 14.
Mutipie discharge tube, Shielded. J. F. Jordan. 2,150,800; Mar. 14.
Muzzle attachment for guns. S. G. Green. 2,150,161; Mar. 14.
Nail, Self-clinching. W. and C. C. Shippee. 2,150,788; Mar. 14.
Necktie. G. W. Leader, Sr. 2,150,861; Mar. 14.
Necktie holder. F. N. Ashworth. 2,150,351; Mar. 14.
Neckties, Making hand-made. N. Gold. 2,150,438; Mar. 14.
Needle butt puller. H. M. Smith. 2,150,253; Mar. 14.
Negatives with variable-density screens, Preparing half-tone. C. E. Meulendyke. 2,150,805; Mar. 14.
Netting, Transparent. J. S. Tinsley. 2,150,301; Mar. 14.
Nitrosyl chloride and chlorine, Treatment of mixtures of. H. A. Beekhuis, Jr. 2,150,669; Mar. 14.
Nursing device. A. M. Kazimirow. 2,150,835; Mar. 14.
Nut, Self-locking. H. B. Thomas. 2,150,194; Mar. 14.
Oil composition, Lubricating. R. Rosen. 2,150,400; Mar. 14.
Oil, Dewaxing mineral. W. B. Hendrey and E. C. Knowles. 2,150,547; Mar. 14.
Oil, Dewaxing mineral. E. C. Knowles. 2,150,552; Mar. 14.
Oil, Lubricating. M. A. Dietrich. 2,150,156; Mar. 14.
Oil, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,150,177; Mar. 14.
Oil, Polymerized fatty. P. K. Frolich and J. I. Wasson. 2,150,370; Mar. 14.
Oils and product obtained thereby, Treating vegetable. B. H. Thurman. 2,150,732; Mar. 14.
Oils, Dewaxing of petroleum. R. A. Halloran and A. L. Lyman. 2,150,501; Mar. 14.
Oils, Refining glyceride-type. B. H. Thurman. 2,150,733; Mar. 14.
Opener, Hairpin. M. R. Andersen. 2,150,144; Mar. 14.
Organdy. F. M. Ford and A. L. Lippert. 2,150,825; Mar. 14.
Orthopedic apparatus. W. L. Bell. 2,150,314; Mar. 14.
Overhead door. W. D. Ferris and C. R. Wolf. 2,150,321; Mar. 14.
Pack, Florist's. C. R. Keller. 2,150,550; Mar. 14.
Package, Plant. M. R. Mulford and H. Z. Gray. 2,150,453; Mar. 14.
Packer. L. F. Lamb. 2,150,228; Mar. 14.
Pad and making same, Permanent waving. H. Bonat. 2,150,598; Mar. 14.
Pan, Flower. H. T. Lester. 2,150,605; Mar. 14.
Pan, Hearth bread. R. C. Oltman. 2,150,864; Mar. 14.
Pan, Multiple unit hearth bread baking. J. G. Jackson. 2,150,623; Mar. 14.
Panel fastener. H. J. Woodall. 2,150,476; Mar. 14.
Panel, Upholstery trim. M. S. Randall. 2,150,458; Mar. 14.
Paper pulp refining apparatus. J. E. Bond. 2,150,357; Mar. 14.
Parachute pack container. F. McCarroll. 2,150,179; Mar. 14.
Parking meter, Electrically operated. F. R. Landrum. 2,150,509; Mar. 14.
Petroleum distillates, Treatment of. R. E. Burk and E. C. Hughes. 2,150,149; Mar. 14.
Petroleum oil spread for bread and the like. C. Ellis. 2,150,649; Mar. 14.
Phenols, Desulphurizing alkyl. H. I. Lounsbury. 2,150,656; Mar. 14.
Phonograph. S. G. Langley. 2,150,554; Mar. 14.
Phosphorus and like elements from ores, Separating. H. A. Blackwell and W. L. Turner. 2,150,261; Mar. 14.
Photographic reversal process. J. C. Ville. 2,150,704; Mar. 14.
Picture apparatus for projecting composite screen images. Motion. A. J. Holman. 2,150,165; Mar. 14.
Pigment, Apparatus of milling. C. E. Hoover, Jr. 2,150,603; Mar. 14.
Pigments, Making titanium. R. M. McKinney. 2,150,236; Mar. 14.
Pigments, Treatment of titanium. R. M. McKinney. 2,150,235; Mar. 14.
Piling, Preserving. N. H. McLain. 2,150,807; Mar. 14.
Pilot for valve seat facing tools. E. A. Hall. 2,150,621; Mar. 14.
Pipe: *See*—
Screen pipe.
Pipe forming apparatus. H. G. Blevins. 2,150,202; Mar. 14.
Pistol, Air. F. Möller. 2,150,288; Mar. 14.
Piston, Air cooled. C. J. Hammersmith. 2,150,740; Mar. 14.
Piston ring assembly. H. P. Phillips. 2,150,457; Mar. 14.
Plants for parasites, Treating. D. C. Heim. 2,150,767; Mar. 14.
Plow. C. G. Strandlund. 2,150,661; Mar. 14.
Plow, Snow. R. Niewendorp. 2,150,396; Mar. 14.
Plug: *See*—
Spark plug. Sparking plug.
Plug, Forming a spark. E. B. Nowosielski. 2,150,725; Mar. 14.
Plugs, Manufacturing wall and like. J. J. Rawlings. 2,150,845; Mar. 14.
Plywood, Making. J. V. Nevin. 2,150,697; Mar. 14.
Plywood, Normalizing hot pressed. J. V. Nevin. 2,150,841; Mar. 14.
Plywood with an aqueous glue, Making nonchecking. G. H. Osgood. 2,150,658; Mar. 14.
Popper, Corn. T. V. Barnard. 2,150,888; Mar. 14.
Power transmitting apparatus, Hydraulic. A. H. Carson and R. O. Anderson. 2,150,539; Mar. 14.
Press: *See*—
Heel-cap press.
Press. F. C. Aukerman. 2,150,812; Mar. 14.
Pressure control mechanism. G. H. Riches. 2,150,460; Mar. 14.
Printing apparatus. H. V. Scheel. 2,150,401; Mar. 14.
Printing mechanism. A. E. Gray. 2,150,218; Mar. 14.
Printing surfaces for intaglio printing, Producing. J. Koch. 2,150,281; Mar. 14.
Prints, Production of diazo. M. P. Schmidt and O. Sils. 2,150,565; Mar. 14.
Propeller. E. V. Telfer. 2,150,299; Mar. 14.
Proprietary container. W. G. Pancoast. 2,150,244; Mar. 14.
Protective means for deep well packers. R. C. Baker. 2,150,310; Mar. 14.
Protector: *See*—
Window protector.
Pruning implement. W. R. Denton. 2,150,268; Mar. 14.
Puller: *See*—
Needle butt puller.
Pumping apparatus. F. Jacuzzi. 2,150,799; Mar. 14.
Putting-out machine. J. H. Connor. 2,150,264; Mar. 14.
Rack for refrigerator cars, Floor. C. D. Bonsall. 2,150,413; Mar. 14.
Radio receiver. J. Dreyfus. 2,150,210; Mar. 14.
Radio transmitter, Keying. A. H. Taylor and L. C. Young. 2,150,193; Mar. 14.
Rail fastener. E. Woodings. 2,150,258–9; Mar. 14.
Railing and manufacture thereof. W. B. Ewing. 2,150,651; Mar. 14.
Railway. J. B. Strauss. 2,150,348; Mar. 14.
Ram, Gathering. H. R. Schutz. 2,150,637; Mar. 14.
Range and refrigerator construction. J. Teller and A. P. Schulz. 2,150,300; Mar. 14.
Range or stove having burner chambers for oil burners. H. L. Gere. 2,150,681; Mar. 14.
Razor. W. J. Miller. 2,150,337; Mar. 14.
Razor blade or other cutting edge. W. J. Hitchcock. 2,150,549; Mar. 14.
Receiver, Multiple wave band. J. D. Reid. 2,150,562; Mar. 14.
Receiver, Multiwave band superheterodyne. W. R. Koch. 2,150,553; Mar. 14.
Receptacle: *See*—
Vending receptacle.
Receptacle and brush holder. F. F. Roehm. 2,150,784; Mar. 14.
Record and making same, Sound. G. Holst and J. H. de Boer. 2,150,834; Mar. 14.
Record, Sound. G. L. Dimmick. 2,150,319; Mar. 14.
Reduction gear. A. Chilton. 2,150,540; Mar. 14.
Reel for fishlines. L. J. Wright. 2,150,477; Mar. 14.
Reel or spool. F. Mossberg and B. A. Johnson. 2,150,392; Mar. 14.
Refining apparatus. B. Clayton, W. B. Kerrick, H. M. Stadt, and B. H. Thurman. 2,150,797; Mar. 14.
Refrigerating apparatus. A. Finkes. 2,150,369; Mar. 14.
Refrigerating apparatus. H. B. Hull. 2,150,224; Mar. 14.
Refrigerating apparatus. L. A. Philipp and N. J. Bohn. 2,150,700; Mar. 14.
Refrigerating apparatus and method. L. A. Philipp. 2,150,699; Mar. 14.
Refrigerating display case. M. G. Valade. 2,150,195; Mar. 14.
Refrigerating system and apparatus. M. A. Martin. 2,150,233; Mar. 14.
Refrigerating unit. J. E. Gorman. 2,150,276; Mar. 14.
Refrigeration. S. W. E. Andersson. 2,150,411; Mar. 14.

Refrigeration. C. G. Munters. 2,150,181; Mar. 14.
Refrigerator car door. W. M. Dwyer. 2,150,271; Mar. 14.
Regulator: *See*—
Generator speed regulator. Sewer regulator.
Resin and making same, Water soluble thermosetting. J. V. Nevin. 2,150,698; Mar. 14.
Resin and preparing same, Synthetic. J. H. Kelly, Jr. 2,150,506; Mar. 14.
Resinous condensation products, Water soluble. A. H. Bowen and T. W. Dike. 2,150,148; Mar. 14.
Rim, Metal wheel. E. E. Slick. 2,150,810; Mar. 14.
Rim, Tire. W. F. Errig. 2,150,650; Mar. 14.
Ring and making it, Finger. J. Karlan. 2,150,446; Mar. 14.
Rings, Making finger. J. Karlan. 2,150,447; Mar. 14.
Rod: *See*—
Connecting rod. Welding rod.
Roll, Top. R. D. Brouwer, T. C. Delaval-Crow, and L. D. Cobb. 2,150,796; Mar. 14.
Rollers, Apparatus for sectioning of inking. H. E. Lambert. 2,150,174; Mar. 14.
Rolling mill. K. Rosenbaum. 2,150,248; Mar. 14.
Rolling mill, Cooling. W. Rohn. 2,150,340; Mar. 14.
Rolls, Grooving inking. A. B. Davis. 2,150,155; Mar. 14.
Rolls, Manufacture of cane crushing. F. Hegenbarth. 2,150,278; Mar. 14.
Roof. F. Gettelman. 2,150,217; Mar. 14.
Roofing. M. G. O'Reilly. 2,150,883; Mar. 14.
Rotary tool joint. F. J. Hinderliter. 2,150,221; Mar. 14.
Rotary valve. R. Chilton. 2,150,541; Mar. 14.
Roughage mill. J. Holland-Letz. 2,150,230; Mar. 14.
Rubber and making same, Sponge. F. J. Maywald and F. J. Maywald, Jr. 2,150,178; Mar. 14.
Salts of sulphated primary alcohols, Preparing ammonium. C. W. MacMullen. 2,150,557; Mar. 14.
Scoring device. K. Stutz. 2,150,525; Mar. 14.
Screen: *See*—
Filter screen. Wire screen.
Fireplace screen.
Screed. S. R. Blackwell. 2,150,618; Mar. 14.
Screen and appurtenances thereto, Movable motion picture. V. C. de Ybarrondo. 2,150,543; Mar. 14.
Screen and window for automobiles, Adjustable. M. Grishkevich. 2,150,829; Mar. 14.
Screen for stereoscopic pictures. N. T. Kaszab. 2,150,225; Mar. 14.
Screen pipe. J. F. Maloney. 2,150,450; Mar. 14.
Screen structure, Balanced vibrating. G. A. Overstrom. 2,150,242; Mar. 14.
Screening for electric cables. H. Rist. 2,150,783; Mar. 14.
Screw driving means. R. E. Schieber. 2,150,343; Mar. 14.
Screw fastening for high strength connections. H. Caminez. 2,150,876; Mar. 14.
Screw starter. G. F. Pearson. 2,150,184; Mar. 14.
Screw-threaded stock and manufacture of same. K. Berger. 2,150,815; Mar. 14.
Seat: *See*—
Adjustable resilient seat.
Sedimentation apparatus. S. Shafer, Jr. and R. A. Seidenstricker. 2,150,865; Mar. 14.
Seed cleaning machine. J. F. Field. 2,150,716; Mar. 14.
Selector for carrier conveyer systems, Capacity. A. Drenkard, Jr. 2,150,431; Mar. 14.
Selector for carrier conveyer systems, Resonator. A. Drenkard, Jr. 2,150,430; Mar. 14.
Selector for carrier conveyers, Magnetic and resonator. W. Hargreaves. 2,150,440; Mar. 14.
Separator: *See*—
Egg separator.
Sewer regulator, Automatic. C. S. Brown. 2,150,359; Mar. 14.
Sewing machine. T. H. De Spain. 2,150,494; Mar. 14.
Sewing machine and process. H. J. Ernst. 2,150,677; Mar. 14.
Sewing machines, Feeding mechanism for. L. H. Talmadge. 2,150,527; Mar. 14.
Shade, Lamp. W. J. Keller. 2,150,378; Mar. 14.
Shafts, Packing and lubricating rotary. J. L. L. A. A. Moulet. 2,150,393; Mar. 14.
Shearing machine. E. S. Bartlett. 2,150,352; Mar. 14.
Sheet material, Apparatus for working. B. Franghia. 2,150,890; Mar. 14.
Shield, Radiator. C. G. Blight. 2,150,816; Mar. 14.
Shield, Termite. J. D. Tennison. 2,150,891; Mar. 14.
Shim for car trucks. J. J. Byers. 2,150,360; Mar. 14.
Shock absorber leg for aircraft undercarriages, Telescopic. G. H. Dowty. 2,150,495; Mar. 14.
Shoe for well casings, Wash-down and cementing. R. C. Baker. 2,150,311; Mar. 14.
Shoe polishing machine. J. J. Magnuson. 2,150,837; Mar. 14.
Shoe soles, Flexing. A. F. Bancroft. 2,150,794; Mar. 14.
Shoes, Making turned. G. R. Babb. 2,150,480; Mar. 14.
Shredder. W. Sander. 2,150,192; Mar. 14.
Shunting, Induced. J. Ledwinka. 2,150,774; Mar. 14.
Shut-off device for fire hose. W. W. Brittain. 2,150,262; Mar. 14.
Signal device. J. W. Myers. 2,150,840; Mar. 14.
Signaling, Railway. G. R. Pfiasterer. 2,150,292; Mar. 14.
Signaling system. H. W. Dudley. 2,150,364; Mar. 14.
Signaling system, Railway. P. H. Crago. 2,150,579; Mar. 14.
Silicon carbide product and making the same. O. Hutchins. 2,150,166; Mar. 14.
Skate, Roller. J. Barbato. 2,150,814; Mar. 14.
Sled, Hand coaster. C. H. Maneval. 2,150,558; Mar. 14.
Smoke destroyer. A. Sutkowski. 2,150,614; Mar. 14.
Solids, Distillation of. K. C. D. Hickman. 2,150,684; Mar. 14.
Solvent and process for dewaxing mineral oils. D. S. McKittrick and H. J. Henriques. 2,150,334; Mar. 14.
Sorting machine. L. H. Fronefield. 2,140,214; Mar. 14.
Sorting machine. F. L. Fuller and S. Brand. 2,150,216; Mar. 14.
Sounding absorbing covering. P. A. Schilling. 2,150,344; Mar. 14.
Sound photographically, Recording. J. Eggert and A. Küster. 2,150,823; Mar. 14.
Spark plug. E. B. Nowosielski. 2,150,723; Mar. 14.
Sparking plug. L. Graf. 2,150,500; Mar. 14.
Spars, Process and apparatus for forming tapered. E. B. Cairns. 2,150,416; Mar. 14.
Speed control means, Synchronous motor. C. J. Young. 2,150,572; Mar. 14.
Speed regulating means for direct current generator units. V. Roosa and E. Silber. 2,150,294; Mar. 14.
Spline broaching machine, Vertical tapered. D. H. West. 2,150,593; Mar. 14.
Sponge rubber body of different densities. H. R. Minor. 2,150,287; Mar. 14.
Spring coupling machine. F. R. Zimmerman. 2,150,755; Mar. 14.
Spring mounting, Dual wheel. V. G. and E. V. Garnett. 2,150,322; Mar. 14.
Stair, Concrete. W. J. McAver. 2,150,586; Mar. 14.
Stamp, Revenue. J. B. Lawrence. 2,150,718; Mar. 14.
Statistical machine. Record controlled. R. Warren. 2,150,256; Mar. 14.
Stiffener placing machine. B. Jorgensen. 2,150,279; Mar. 14.
Stoker construction. W. T. Hanna. 2,150,163; Mar. 14.
Stone sawing machine. C. B. Lansing. 2,150,381; Mar. 14.
Stool, Bathroom tub. G. B. Bentz. 2,150,482; Mar. 14.
Stop for automobile hoists, Safety. J. J. Mizer. 2,150,628; Mar. 14.
Store machine, Department. F. L. Fuller and G. F. Daly. 2,150,215; Mar. 14.
Stove, Electric. H. Cory. 2,150,492; Mar. 14.
Stretcher, Garment. E. D. Davis. 2,150,713; Mar. 14.
Stringed instrument body. H. S. Braman. 2,150,736; Mar. 14.
Supervisory system for watchmen. J. H. Derby. 2,150,209; Mar. 14.
Support: *See*—
Floodlight support. Trailer support.
Garment hanger support.
Support. W. La Hodny. 2,150,173; Mar. 14.
Surfaces with metallic layers, Coating cementitious. G. S. Smith. 2,150,789; Mar. 14.
Swing, Circular. W. P. Stampfli. 2,150,612; Mar. 14.
Swing joint. F. V. Long. 2,150,583; Mar. 14.
Switch: *See*—
Burglar alarm switch. Motor protector switch.
Electric switch. Time control switch.
Mercury switch.
Switch device, Thermostatic electric. C. W. Bondurant. 2,150,203; Mar. 14.
Switch mechanism, Automatic coin-operated time control. L. Grünbaum. 2,150,324; Mar. 14.
Swivel, Rotary. G. Tremolada. 2,150,529; Mar. 14.
Synchronizing system. H. J. Nichols. 2,150,239; Mar. 14.
Syringe, Hypodermic. L. A. Dunajeff. 2,150,738; Mar. 14.
Table: *See*—
Conveyer table. Vibrating table.
Folding table.
Tabulating machine. G. F. Daly and G. Lowkrantz. 2,150,208; Mar. 14.
Tabulating machine. C. D. Lake and W. Pfaff. 2,150,227; Mar. 14.
Tape control mechanism. F. E. Anderson. 2,150,410; Mar. 14.
Tape, Insulating. C. Mosier and J. L. Mohun, Jr. 2,150,238; Mar. 14.
Telegraph system. M. I. Pupin. 2,150,781; Mar. 14.
Telescope. H. F. Mossberg. 2,150,629; Mar. 14.
Terminal for electrical devices. F. Martindell. 2,150,388; Mar. 14.
Testing device. G. C. Fairbairn. 2,150,545; Mar. 14.
Thermal control. K. P. Brace. 2,150,142; Mar. 14.
Thermostat. R. E. Newell. 2,150,722; Mar. 14.
Thermostatic control device. B. L. Matthews. 2,150,559; Mar. 14.
Threads, Method and apparatus for simultaneously spinning and twisting artificial. K. Berndt. 2,150,354; Mar. 14.
Threshing machine. R. Williams. 2,150,856; Mar. 14.
Ticket printing and issuing machine. H. G. Craig and A. W. Pride. 2,150,761; Mar. 14.

Tie, Continuous masonry. F. N. Crandall. 2,150,798; Mar. 14.
Time control switch. M. H. Rhodes. 2,150,634; Mar. 14.
Timing device. A. B. Fuller. 2,150,680; Mar. 14.
Timing device and escapement therefor. M. H. Rhodes and J. Fanzoi. 2,150,633; Mar. 14.
Tobacco feeding apparatus. W. E. Molins and S. A. Nichols. 2,150,607; Mar. 14.
Tobacco leaves, Device for disintegrating. R. Dahlstrom and B. Rothelius. 2,150,493; Mar. 14.
Tongs, Pipe. G. L. Speck. 2,150,611; Mar. 14.
Tooth aligning device. O. F. Bauer. 2,150,313; Mar. 14.
Tooth brush, Motorized fountain-type. T. B. Oliver. 2,150,842; Mar. 14.
Totalizing and recording apparatus. R. R. Chappell and R. B. Colt. 2,150,486; Mar. 14.
Towel cabinet. M. J. Boex. 2,150,817; Mar. 14.
Toy, Mechanical. F. J. Sonheim. 2,150,465; Mar. 14.
Tractor. H. S. Eberhard. 2,150,433; Mar. 14.
Tractor mounted implement. M. H. Tuft. 2,150,665; Mar. 14.
Traffic analyzer. F. J. Moles. 2,150,776; Mar. 14.
Trailer construction. J. B. Sword. 2,150,615; Mar. 14.
Trailer support, Retractable. F. M. Reid. 2,150,701; Mar. 14.
Transformer, Regulating. G. Leischner. 2,150,382; Mar. 14.
Transmission. H. S. Eberhard. 2,150,432; Mar. 14.
Transmission. W. L. Wiebrecht. 2,150,408; Mar. 14.
Transmission for ensilage cutters. C. E. Everett. 2,150,213; Mar. 14.
Transmission line system. W. V. Roberts. 2,150,246; Mar. 14.
Truck, Barrel. R. C. Hawkins. 2,150,503; Mar. 14.
Truck body. A. A. Johnson. 2,150,624; Mar. 14.
Tube: *See*—
Multiple discharge tube.
Tube cleaner. J. R. McDermet and P. T. Keebler. 2,150,806; Mar. 14.
Tube for pneumatic tires, Inner. E. Eger. 2,150,648; Mar. 14.
Tube vulcanizer. F. Delano. 2,150,267; Mar. 14.
Tubes, Method and apparatus for making. H. B. Andrews and J. R. Haines. 2,150,708; Mar. 14.
Tumblers and like articles, Washing or cleaning. A. Griffiths. 2,150,602; Mar. 14.
Two-cycle engine. J. Phillips. 2,150,185; Mar. 14.
Typewriting machine. J. W. Miles. 2,150,237; Mar. 14.
Vacua, Production of. K. C. D. Hickman. 2,150,685; Mar. 14.
Vacuum, High. N. D. Embree. 2,150,676; Mar. 14.
Valve: *See*—
Internal combustion engine valve. Rotary valve.
Valve. S. Sorensen. 2,150,254; Mar. 14.
Valve mechanism. W. Noble. 2,150,808; Mar. 14.
Valve tappet. J. H. Hoern. 2,150,444; Mar. 14.
Valve with constant calibration. J. Mercier. 2,150,390; Mar. 14.
Vanity attachment for bathtubs. G. B. Bentz. 2,150,483; Mar. 14.
Vaporizing apparatus. A. N. Somers. 2,150,295; Mar. 14.
Vault, Burial. C. R. Neff. 2,150,778; Mar. 14.
Vehicle, Transporting and dumping. G. R. Dempster. 2,150,821; Mar. 14.
Vending machine. L. H. Morin. 2,150,863; Mar. 14.
Vending receptacle. C. C. Tozer and E. H. Berger. 2,150,469; Mar. 14.
Ventilator attachment for electric ignition apparatus. R. H. Gibson and W. D. Crocker. 2,150,859; Mar. 14.
Ventilator, Dustproof. H. Franklin. 2,150,157; Mar. 14.
Vibrating table. M. and J. Rogers. 2,150,519; Mar. 14.
Visibility indicator. R. J. Blume. 2,150,597; Mar. 14.
Vitamin concentrate and producing same. A. E. Briod and B. R. East. 2,150,316; Mar. 14.
Waffle iron handle. F. P. Rodwick. 2,150,247; Mar. 14.
Wall, Insulating refractory. G. P. Reintjes. 2,150,459; Mar. 14.
Wall, Perforate. C. L. Newport and H. C. Smith. 2,150,338; Mar. 14.
Washing and conditioning material for citrus fruit. J. R. MacRill and R. D. Nedvidek. 2,150,284; Mar. 14.
Washing machine. R. W. Scott. 2,150,638; Mar. 14.
Watch cleaning machine. G. Ozer. 2,150,560; Mar. 14.
Water fountain for chickens, Automatic. G. Goltz. 2,150,499; Mar. 14.
Welding rod. R. M. Rooke and F. C. Saacke. 2,150,785; Mar. 14.
Well cleaner. C. C. Taylor. 2,150,406; Mar. 14.
Wells, Method and apparatus for completing. R. A. Mueller and R. Smith. 2,150,887; Mar. 14.
Wheel: *See*—
Grinding wheel.
Wheel attachment, Automobile steering. C. F. Bake. 2,150,709; Mar. 14.
Wheel rim refinishing machine. W. J. Schultz and E. Pedersen. 2,150,462; Mar. 14.
Wheel unit, Motor. W. A. Hockett. 2,150,833; Mar. 14.
Window construction. O. M. Edwards. 2,150,675; Mar. 14.
Window protector. C. M. Killian. 2,150,280; Mar. 14.
Wing structure. F. E. Flader. 2,150,546; Mar. 14.
Wire-pulling device. S. S. Colt. 2,150,646; Mar. 14.
Wire screen. E. P. Douglass. 2,150,647; Mar. 14.
Wood and other building material and the like against the action of white ants and other insects and against weathering, Preparation for the treatment of. G. A. Fry. 2,150,436; Mar. 14.
Yarn and the like with fluids, Treating. E. C. Atwell. 2,150,309; Mar. 14.
Yarns, Apparatus for the clearing and cleaning of. J. H. Marsh. 2,150,387; Mar. 14.
Yeast, Propagation of culture. E. L. Kitzmeyer. 2,150,329; Mar. 14.
Zeroizing means. C. F. Webb. 2,150,666; Mar. 14.
Zinc and barium from waste waters, Recovering. M. Müller. 2,150,394; Mar. 14.

CLASSIFICATION OF PATENTS

ISSUED MARCH 14, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aciform Sales Corporation, Chicago, Ill. Pharmaceutical preparation. Serial Nos. 414,716–17; Mar. 21. Class 6.

Adelaar Bros., Inc., New York, N. Y. Blouses, shirts, skirts, and dresses. Serial No. 414,939; Mar. 21. Class 39.

Aeolian American Corporation, New York, N. Y. Pianos. Serial No. 414,978; Mar. 21. Class 36.

Agricultural Insecticide Co. Inc., Belle Glade, Fla. Plant spray. Serial No. 414,854; Mar. 21. Class 6.

Aitken, Beckman, doing business as Trade Mark Protectors, New York, N. Y. Annual publication. Serial No. 414,680; Mar. 21. Class 38.

American Character Doll Co. Inc., New York, N. Y. Dolls. Serial No. 392,306; Mar. 21. Class 22.

American Thread Company, The, New York, N. Y. Thread. Serial No. 415,207; Mar. 21. Class 43.

American Soya Products Corporation, Evansville, Ind. Food product ingredients. Serial No. 414,855; Mar. 21. Class 46.

Ansonia Clock Company, Inc., The, New York, N. Y. Electric clocks. Serial No. 413,432; Mar. 21. Class 27.

Armstrong Rubber Company, Inc., The, West Haven, Conn. Tire casings. Serial No. 416,026; Mar. 21. Class 35.

Arnold, J. R., doing business as Mountain State Products Co., Wellsburg, W. Va. Ointment. Serial No. 415,575; Mar. 21. Class 6.

Arnold, J. R., doing business as Mountain State Products Co., Wellsburg, W. Va. Medicinal preparation. Serial No. 415,576; Mar. 21. Class 6.

Arnold, J. R., doing business as Mountain State Products Co., Wellsburg, W. Va. Jelly that is antiseptic to nasal cavities and membranes. Serial No. 415,577; Mar. 21. Class 6.

Aronowitz, L., doing business as Royal Canadian Tobacco Company, Toronto, Ontario, Canada. Cigarettes, cigars, and smoking tobacco. Serial Nos. 414,677–8; Mar. 21. Class 17.

Artic Roofings, Inc., Edge Moor, Del. Composition shingles and roll roofing. Serial No. 414,767; Mar. 21. Class 12.

Associated Biscuit Co., also doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Crackers. Serial No. 411,563; Mar. 21. Class 46.

Azor Corporation, Newark, N. J. Joint packing. Serial Nos. 415,624–5; Mar. 21. Class 35.

Bloom & Klein Inc., Canton, Ohio. Beer. Serial No. 414,619; Mar. 21. Class 48.

Bonne Bell, Inc., Cleveland, Ohio. Flannel pads saturated with skin lotion, skin lotion, cleansing cream, etc. Serial No. 415,827; Mar. 21. Class 6.

Briske & Prohl, Berlin, Germany. Magnesium alloys, and castings and forgings, rolled sheets, etc. Serial No. 407,060; Mar. 21. Class 14.

Capewell Manufacturing Company, The, Hartford, Conn. Planes and hammers. Serial No. 415,072; Mar. 21; Class 23.

Capitol Bedding Co., Hartford, Conn. Mattresses, box springs, and upholstered furniture. Serial No. 405,803; Mar. 21. Class 32.

Carlyle. (See Charm Products Inc.)

Castilian Products Corp., Los Angeles, Calif. Cologne, skin lotion, perfume, etc. Serial No. 415,633; Mar. 21. Class 6.

Castilian Products Corp., Los Angeles, Calif. Cleansing cream, all purpose cream, skin lotion, etc. Serial No. 415,635; Mar. 21. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 414,820; Mar. 21. Class 42.

Charm Products Inc., doing business as Carlyle, Los Angeles, Calif. Nail polish and enamel. Serial No. 413,816; Mar. 21. Class 6.

Cheerful Frocks, Inc., New York, N. Y. Dresses, coats and suits. Serial No. 414,688; Mar. 21. Class 39.

Chemical Laboratories, Inc., Denver, Colo. Tooth paste. Serial No. 414,623; Mar. 21. Class 6.

Clopay Corporation, Cincinnati, Ohio. Cover paper. Serial Nos. 413,896–7; Mar. 21. Class 37.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial No. 412,170; Mar. 21. Class 4.

Connell Bros. Company Limited, San Francisco, Calif. Wheat flour, fresh grapes, apples, etc. Serial No. 408,564; Mar. 21. Class 46.

Conrad Company, The, Atlanta, Ga. Stomachic and alterative preparation. Serial No. 414,860; Mar. 21. Class 6.

Consolidated Cover Co., San Francisco, Calif. Paper toilet seat covers. Serial No. 415,327; Mar. 21. Class 37.

Cools, Inc., Detroit, Mich. Candies. Serial No. 405,197; Mar. 21. Class 46.

Cosmetics Research Corporation, New Haven, Conn. Lotions and/or creams to be applied to the face prior to shaving. Serial No. 413,624; Mar. 21. Class 4.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 414,945; Mar. 21. Class 6.

Crystal, David, Inc., New York, N. Y. Dresses. Serial No. 414,727; Mar. 21. Class 39.

Dempsey, Jack, & Co., Inc., Baltimore, Md. Whiskey. Serial No. 415,929; Mar. 21. Class 49.

De Sanno, A. P., & Son, Inc., Philadelphia and Phoenixville, Pa. Portable grinding machines. Serial No. 415,075; Mar. 21. Class 23.

Dolamore, Limited, London, England. Whisky, brandy, rum, etc. Serial No. 415,706; Mar. 21. Class 49.

Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and structural parts thereof. Serial No. 396,262; Mar. 21. Class 19.

Economics Laboratory, Incorporated, St. Paul, Minn. Cleansing and polishing compounds. Serial Nos. 414,870–1; Mar. 21. Class 4.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. Serial No. 414,439; Mar. 21. Class 1.

Elgin Laboratories, Inc., Chicago, Ill. Electric lamps for use as a therapeutic agent. Serial No. 413,862; Mar. 21. Class 44.

Elks Orange-Crush Bottling Co., Leavenworth, Kans. Ale and beer. Serial No. 414,558; Mar. 21. Class 48.

Empire Broadcasting Corporation, New York, N. Y. Electrical transcriptions. Serial No. 414,989; Mar. 21. Class 36.

Esmond Mills, The, New York, N. Y. Blankets. Serial No. 402,333; Mar. 21. Class 42.

Feiner, Benjamin F., Jr., New York, N. Y. Photographic prints. Serial No. 414,062; Mar. 21. Class 38.

Firestone Tire & Rubber Company, The, Akron, Ohio. Storage batteries. Serial No. 415,077; Mar. 21. Class 21.

Fisher Scientific Company, Pittsburgh, Pa. Stainless steel hand tool. Serial No. 413,303; Mar. 21. Class 23.

Fitzpatrick, W. J., Company, The, Chicago, Ill. Bread Serial No. 413,304; Mar. 21. Class 46.

Formica Insulation Company, The, Cincinnati, Ohio. Decorative laminated paneling. Serial No. 404,404; Mar. 21. Class 12.

French, Thomas, & Sons, Ltd., New York, N. Y. Ladder webbing. Serial No. 411,774; Mar. 21. Class 40.

Frozen Novelties, Inc. Frozen confections. Serial No. 401,776; Mar. 21. Class 46.

Gagnier, Martin F., doing business as Insulaire Company, Detroit, Mich. Guide channel members for use in storm window construction. Serial No. 412,129; Mar. 21. Class 12.

Globe American Corporation, doing business as Makomb Steel Products Company, Kokomo, Ind., and Macomb, Ill. Poultry feeders, incubators, watering fountains, etc. Serial No. 407,063; Mar. 21. Class 50.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tire valve stems. Serial No. 414,316; Mar. 21. Class 13.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Cushions, pillows, mattresses, etc. Serial No. 415,774; Mar. 21. Class 32.

Gorham Manufacturing Company, Providence, R. I. Boxes, cases, receptacles, and casings. Serial No. 411,271; Mar. 21. Class 2.

Graff, William T., Jr., White Plains, N. Y. Games. Serial No. 414,028; Mar. 21. Class 22.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Whiskey. Serial No. 415,162; Mar. 21. Class 49.

Gunterman, John S., Phoenix, Ariz. Acid resisting solution. Serial No. 410,733; Mar. 21. Class 6.

Hanellin, Moe S., Newark, N. J. Laxative aid for constipation. Serial No. 413,905; Mar. 21. Class 6.

Hardesty, Kile C., Fort Wayne, Ind. Cough syrups. Serial No. 413,944; Mar. 21. Class 6.

Hellman, Isaac H., doing business as Hellman Laboratory, St. Louis, Mo. Perfume. Serial No. 415,510; Mar. 21. Class 6.

Hellman, Isaac H., doing business as Hellman Laboratory, St. Louis, Mo. Cosmetics and toilet preparations. Serial No. 415,511; Mar. 21. Class 6.

Henderson, L. S., doing business as King DC-G Co., Parsons, Kans. Board games. Serial No. 415,249; Mar. 21. Class 22.

Hi-Ho Company, Reno, Nev. Pre-shaving face lotion. Serial No. 407,547; Mar. 21. Class 4.

Hohnhold, Anton, doing business as The Home Soap Co., North Haledon, N. J. Soap powder. Serial No. 412,032; Mar. 21. Class 4.

Holland Food Corporation, New York, N. Y. Cheese. Serial No. 414,609; Mar. 21. Class 46.

Home Oil Heating Company, Passaic, N. J. Oil burners. Serial No. 406,715; Mar. 21. Class 34.

Home Soap Co., The. (See Hohnhold, Anton.)

House of Westmore Inc., New York, N. Y. Face powder, cold cream, vanishing cream, etc. Serial No. 413,990; Mar. 21. Class 6.

Hunter-Northcott Chemical Laboratories, Los Angeles and Hollywood, Calif. Solvents. Serial No. 414,997; Mar. 21. Class 6.
Industrial Rayon Corporation, Cleveland, Ohio. Rayon piece goods. Serial No. 410,138; Mar. 21. Class 42.
Insulaire Company. (See Gagnier, Martin F.)
International Silver Company, Meriden, Conn. Silverplated flatware. Serial No. 414,740; Mar. 21. Class 28.
Jasper, John, New York, N. Y. Printed advertising signs and billboard sheets. Serial No. 413,046; Mar. 21. Class 38.
Joy Products Corporation, Watertown, N. Y. Absorbent pads. Serial No. 414,030; Mar. 21. Class 50.
Kahn, David, Inc., North Bergen, N. J. Fountain pens. Serial No. 401,670; Mar. 21. Class 37.
Kaplan, Joseph A., Inc., New York, N. Y. Shower curtains. Serial No. 402,888; Mar. 21. Class 13.
Kapp, Gene, New York, N. Y. Pens and pencils. Serial No. 414,700; Mar. 21. Class 37.
Kay, Ellen, Knitting Mills, Inc., San Francisco, Calif. Knitted sportwear. Serial No. 412,701; Mar. 21. Class 39.
Kelley, Frank, Inc., Elkins Park, Pa. Light reflector for electric lamps. Serial No. 414,228; Mar. 21. Class 34.
Kelly-Springfield Tire Company, The, Cumberland, Md. Tires. Serial No. 415,717; Mar. 21. Class 35.
King Dĕ-G Co. (See Henderson, L. S.)
Koret, Samuel, New York, N. Y. Handbags. Serial No. 411,501; Mar. 21. Class 3.
Kornfeld, Samuel L., Wichita, Kans. Mats for printed media. Serial No. 410,095; Mar. 21. Class 50.
Kranse, Chas A., Milling Co., Milwaukee, Wis. Cereal binder sold as a core binder. Serial No. 408,280; Mar. 21. Class 5.
Lactona, Incorporated, St. Paul, Minn. Devices for oral hygiene. Serial No. 406,454; Mar. 21. Class 29.
Lane, E. F., & Son, San Francisco, Calif. Peanut butter and roasted peanuts. Serial No. 404,856; Mar. 21. Class 46.
Largay Brewing Co. Incorporated, Waterbury, Conn. Beer. Serial No. 413,516; Mar. 21. Class 48.
Laxa-Seltzer Laboratories, Pittsburgh, Pa. Laxative. Serial No. 405,849; Mar. 21. Class 6.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Cold creams, cleansing creams, obesity creams, etc. Serial No. 415,719; Mar. 21. Class 6.
Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Cold creams, cleansing creams, obesity creams, etc. Serial No. 415,721; Mar. 21. Class 6.
Listeners Digest, Inc., New York, N. Y. Magazine or periodical. Serial No. 414,827; Mar. 21. Class 38.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Skirts, waists, suits, etc. Serial No. 414,501; Mar. 21. Class 39.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and crackers. Serial Nos. 414,955–6; Mar. 21. Class 46.
Lubri-Zol Corporation, Cleveland and Wickliffe, Ohio. Lubricating oils. Serial No. 372,136; Mar. 21. Class 15.
Macy, R. H., & Co., Inc., New York, N. Y. Cosmetic oils, toilet lotions, colognes, etc. Serial No. 414,035; Mar. 21. Class 6.
Magic Snap-On Dress Co., Inc., The, New York, N. Y. Clothing. Serial No. 402,381; Mar. 21. Class 39.
Maine Steel, Inc., South Portland, Maine. Machines for soil cultivation and parts of such machines. Serial No. 407,597; Mar. 21. Class 23.
Makomb Steel Products Company. (See Globe American Corporation.)
McBrest & McBrest, Inc., New York, N. Y. Publication. Serial No. 413,588; Mar. 21. Class 38.
Mennen Company, The, Newark, N. J. Medicated powder. Serial No. 414,793; Mar. 21. Class 6.
Micromatic Hone Corporation, Detroit, Mich. Rotary honing and grinding tools. Serial Nos. 413,836–7; Mar. 21. Class 23.
Mooney, James E., Philadelphia, Pa. Magazine. Serial No. 414,545; Mar. 21. Class 38.
Moulton Ladder Manufacturing Co., Somerville, Mass. Ladders. Serial No. 414,637; Mar. 21. Class 50.
Mountain State Products Co. (See Arnold, J. R.)
Murphy, John B., Minneapolis, Minn. Cigars, cigarettes, smoking and chewing tobacco. Serial No. 414,602; Mar. 21. Class 17.
Muskegon Piston Ring Company, Muskegon, Mich. Piston rings. Serial No. 415,661; Mar. 21. Class 35.
Nachman Springfilled Corporation, Chicago, Ill. Spring assemblies for upholstery and upholstery units equipped with spring assemblies. Serial No. 414,641; Mar. 21. Class 32.
National Cordial Co., Inc., Chicago, Ill. Rock and rye, rock and rum, vermuth and whiskey, etc. Serial No. 415,606; Mar. 21. Class 49.
National Engineering Products, Inc., Washington, D. C. Metallic plastic packing. Serial No. 415,909; Mar. 21. Class 35.
Newport, Mr., Inc. Chicago, Ill. Maltless beverages. Serial No. 410,745; Mar. 21. Class 45.
Olenik, Irwin, New York, N. Y. Lapel buttons, badges, medallions, etc. Serial No. 414,668; Mar. 21. Class 50.
Oneida Ltd., Sherrill and Oneida, N. Y.; and Northampton, Mass. Silverplated flatware. Serial No. 415,226; Mar. 21. Class 28.
O-Pee-Chee Company Limited, London, Ontario, Canada. Chewing gum. Serial No. 407,966; Mar. 21. Class 46.
Orlik, Hedwig, New York, N. Y. Perfumes, lotions, bath oil, etc. Serial No. 412,827; Mar. 21. Class 6.
Owens-Illinois Glass Company, Toledo, Ohio. Widemouth glass jars or containers, for cigars and the like. Serial No. 409,740; Mar. 21. Class 8.
Persson, Eric S., Malmo, Sweden. Windows, doors, shutter blinds, etc. Serial No. 408,738; Mar. 21. Class 12.
Phillips-Joffrion, New Orleans, La. Medical therapeutic agent. Serial No. 413,560; Mar. 21. Class 6.
Phillips-Jones Corporation, New York, N. Y. Men's dress shirts and collars. Serial No. 403,371; Mar. 21. Class 39.
Popcorn Growers and Distributors, Inc., Wall Lake, Iowa. Pop corn. Serial No. 383,939; Mar. 21. Class 46.
Pyramid Commercial Corporation, New York, N. Y. Edible and olive oils, rice, and conserves. Serial No. 405,268; Mar. 21. Class 46.
RCA Manufacturing Company, Inc., Camden, N. J. Needles for talking machines. Serial No. 414,366; Mar. 21. Class 36.
Red Cedar Shingle Bureau, Seattle, Wash. Red cedar shingles. Serial No. 410,749; Mar. 21. Class 12.
Riviera Packing Company, Oakland, Calif. Prepared food products. Serial No. 414,891; Mar. 21. Class 46.
Rogers, Jay, Brooklyn, N. Y. Fountain pens and pencils. Serial No. 410,088; Mar. 21. Class 37.
Royal Canadian Tobacco Company. (See Aronowitz, L.)
Ruppert, Jacob, New York, N. Y. Ale. Serial No. 414,042; Mar. 21. Class 48.
Russeks Fifth Avenue, Inc., New York, N. Y. Clothing for women. Serial No. 414,324; Mar. 21. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Duplicating devices. Serial No. 408,326; Mar. 21. Class 37.
Sears, Roebuck and Co., Chicago, Ill. House paint. Serial No. 414,897; Mar. 21. Class 16.
Sellmer, Walter B., doing business as Selmolene Manufacturing Co., San Rafael, Calif. Quick healing salve or ointment. Serial No. 411,059; Mar. 21. Class 6.
Selma Products, Inc., Los Angeles, Calif. Depilatory product. Serial No. 414,645; Mar. 21. Class 6.
Selmolene Manufacturing Co. (See Sellmer, Walter B.)
Serwer, Samiel, & Sons, New York, N. Y. Textile fabrics. Serial No. 414,853; Mar. 21. Class 40.
Shellmar Products Company, Mount Vernon, Ohio. Window posters. Serial No. 414,472; Mar. 21. Class 38.
Shoe Form Co., Inc., Auburn, N. Y. Fly boxes. Serial No. 415,744; Mar. 21. Class 22.
Skelgas Company, Kansas City, Mo. Liquefied petroleum gas, compressed gas, compressed natural gas, etc. Serial No. 413,569; Mar. 21. Class 6.
Spacarb, Inc., Jersey City, N. J. Coin-operated beverage dispensing machines. Serial No. 413,801; Mar. 21. Class 23.
Spencerian Pen Company, The, New York, N. Y. Combination pen and ink eraser. Serial No. 414,670; Mar. 21. Class 37.
Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. Serial No. 415,420; Mar. 21. Class 6.
Staley Elevator Company, Inc., New York, N. Y. Electric elevators and parts thereof. Serial No. 413,202; Mar. 21. Class 21.
Standard Brands Incorporated, New York, N. Y. Coffee. Serial No. 414,674; Mar. 21. Class 46.
Standard Varnish Works, Staten Island, N. Y. Paints, sealers, primers, etc. Serial No. 414,757; Mar. 21. Class 16.
Stanley Works, The, New Britain, Conn. Rules, levels, plumbs, etc. Serial No. 402,145; Mar. 21. Class 26.
Stanley Works, The, New Britain, Conn. Planes, fibre board cutters, scrapers, etc. Serial No. 402,146; Mar. 21. Class 23.
Staten Island Home Utilities, Inc., Port Richmond and Staten Island, N. Y. Gasoline. Serial No. 413,490; Mar. 21. Class 15.
Stevens Paper Mills, Incorporated, The, Westfield, Mass. Condenser paper. 409,712; Mar. 21. Class 37.
Stitt & Howell, Inc., New York, N. Y. Rugs. 407,996; Mar. 21. Class 42.
Superior Felt & Bedding Company, Chicago, Ill. Mattresses. Serial No. 415,358; Mar. 21. Class 32.
Synchro-Lock, Inc., Boston, Mass. Apparatus for use in effecting the synchronization of a plurality of internal combustion engines. Serial No. 415,015; Mar. 21. Class 26.
Tokalon Chemical Corporation, New York, N. Y. Medicinal preparation. Serial Nos. 414,971–2; Mar. 21. Class 6.
Trade Mark Protectors. (See Aitken, Beekman.)
Trippe Manufacturing Company, Chicago, Ill. Electric head lamp for vehicles. Serial No. 412,313; Mar. 21. Class 21.
U. S. Standard Products Company, Woodworth, Wis. Preparation for use in treating anemic conditions and as a tonic. Serial No. 414,543; Mar. 21. Class 6.
Valentine Laboratories, Inc., Chicago, Ill. Tooth paste. Serial No. 411,802; Mar. 21. Class 6.

Van Cleef Bros., Chicago, Ill. Adhesive type tape. Serial No. 407,338; Mar. 21. Class 37.
Vernon, S. E. & M., Inc., New York, N. Y. Composition books, loose leaf fillers, and binders. Serial No. 415,614; Mar. 21. Class 37.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial No. 415,616; Mar. 21. Class 49.
Waitt & Bond, Inc., Newark, N. J. Cigars. Serial No. 414,210; Mar. 21. Class 17.
Weinberg, Louis, doing busines as Wonder Clothes, Baltimore, Md. Men's overcoats and topcoats. Serial No. 414,172; Mar. 21. Class 39.
Wilken Company, Incorporated, The, New York, N. Y.; Lawrenceburg, Ind.; and Aladdin, Pa. Whiskey, gin, rum, etc. Serial No. 415,751; Mar. 21. Class 49.
Wonder Clothes. (See Weinberg, Louis.)
Zip Abrasive Company, The, Cleveland, Ohio. Liquid level gauges. Serial No. 413,529; Mar. 21. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Fish liver oil fortified with vitamin D. 365,899; Mar. 21; Serial No. 412,205; published Jan. 10, 1939. Class 6.
Acticarbone Corporation, New York, N. Y. Apparatus for industrial dehydration, desiccation, and dehumidification of air, gases, or vapors. 365,938; Mar. 21; Serial No. 412,747; published Jan. 10, 1939. Class 23.
Aetna Life Insurance Company, Hartford, Conn. Printed books, booklets, pamphlets, and manuals. 125,013; renewed Apr. 8, 1939.
Alle-Rhume Remedy Company, Inc., Jersey City, N. J. Laxative, analgesics, diuretics, and antipyretics. 365,895; Mar. 21; Serial No. 412,167; published Jan. 3, 1939. Class 6.
All-Wax Products of New Jersey. (See Burrell, Carr.)
American Brake Shoe and Foundry Company, The, doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Frictional elements for brakes and clutches. 365,908; Mar. 21; Serial No. 412,320; published Dec. 20, 1938. Class 35.
American Brake Shoe and Foundry Company, The, doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Fan belts, radiator hose, and generator couplings. 365,909; Mar. 21; Serial No. 412,321; published Dec. 20, 1938. Class 35.
American Fork & Hoe Company, The, Cleveland, Ohio. Fishing rods, fishing reels, golf clubs, etc. 365,954; Mar. 21; Serial No. 412,994; published Jan. 10, 1939. Class 22.
American Pop Corn Company, Sioux City and Schaller, assignor to American Pop Corn Company, Sioux City, Iowa. Popping-corn. 125,926; renewed July 15, 1939.
American Products Co., The. (See Armstrong, William F.)
American Safety Razor Corporation, Brooklyn, N. Y. Electrically operated instruments for shaving and removing hair from the body. 365,853; Mar. 21; Serial No. 411,046; published Jan. 10, 1939. Class 23.
American Vitamin Laboratories. (See Kachurin, Philip.)
Ampu-Balm Co. (See Spillane, James.)
Andrews, Augusto J., doing business as Pawtucket Braid Company, Pawtucket, R. I. Shoe laces and braids. 365,860; Mar. 21; Serial No. 411,441; published Jan. 3, 1939. Class 40.
Anticarbone Corporation, New York, N. Y. Desiccating compound. 365,852; Mar. 21; Serial No. 411,045; published Jan. 3, 1939. Class 6.
Antonellie, M., Los Angeles, Calif. Fruits, grapes, melons, and vegetables. 365,917; Mar. 21; Serial No. 412,427; published Jan. 10, 1939. Class 46.
Armstrong, William F., doing business as The American Products Co., Shawnee, Kans. Preparation for treatment of coccidiosis, enteritis, mycosis, etc. 365,818; Mar. 21; Serial No. 408,526; published Sept. 27, 1938. Class 6.
Artistic Furniture Mfg. Co., The, Cincinnati, Ohio. Furniture. 365,857; Mar. 21; Serial No. 411,264; published Jan. 10, 1939. Class 32.
Associated Electrical Appliance Co., New York, N. Y. Electric combination broiler, cooker, toaster, baker. 365,826; Mar. 21; Serial No. 409,380; published Jan. 10, 1939. Class 21.
Atlas Industries, Inc. (See K & S Sales Co., assignor.)
Atlas Powder Company, Wilmington, Del. Derivatives of hexahydric alcohols and inner ethers thereof. 365,915; Mar. 21; Serial No. 412,404; published Dec. 27, 1938. Class 6.
Atlas Publishing Co., Inc., New York, N. Y. Trade journal. 125,284; renewed May 6, 1939.
Awful Fresh MacFarlane, Berkeley, Calif. Salted nuts, candy, and chocolate coated nuts. 365,822; Mar. 21; Serial No. 408,887; published Jan. 10, 1939. Class 46.
Balfour, Arthur, & Company Limited, Sheffield, England. Steel in the form of rods, bars, etc. 124,661; renewed Mar. 11, 1939.
Barrett Company, The, New York, N. Y. Felt roofing and sheathing and building-paper. 124,501; renewed Feb. 25, 1939.
Bauer's Shuttles, Inc., Seattle, Wash. Badminton shuttlecocks. 365,802; Mar. 21; Serial No. 406,276; published Jan. 10, 1939. Class 22.
Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 365,869; Mar. 21; Serial No. 411,734; published Jan. 10, 1939. Class 19.
Berdan Company, The, as assignee of Berdan and Company, Toledo, Ohio, assignor, by mesne assignments, to Lee & Cady, Detroit, Mich. Tea, coffee, rice. 124,812; renewed Mar. 18, 1939.
Bernardini, A., doing business as Powertone Company, New York, N. Y. Preparation for coughs. 365,916; Mar. 21; Serial No. 412,405; published Jan. 10, 1939. Class 6.
Best & Co., Inc., New York, N. Y. Woven woolen material. 365,883; Mar. 21; Serial No. 411,985; published Jan. 10, 1939. Class 42.
Best & Co., Inc., New York, N. Y. Woven woolen materials. 365,900; Mar. 21; Serial No. 412,213; published Jan. 10, 1939. Class 42.
Black & Decker Manufacturing Company, The, Towson, Md. Electrical apparatus and machines and accessories. 365,870; Mar. 21; Serial No. 411,735; published Jan. 10, 1939. Class 21.
Blackman, Lacey R., Mfg. Co., Bridgeport, Conn. Fire hydrant reflecting signals. 365,793; Mar. 21; Serial No. 404,076 published Jan. 10, 1939. Class 34.
Bogalusa Paper Company, Inc., Bogalusa, La., assignor, by mesne assignments, to Gaylord Container Corporation, St. Louis, Mo. Paper for container-liner. 125,894; renewed July 8, 1939.
Bolgiano, F. W., & Company, Inc., Washington, D. C. Seeds. 125,863; renewed June 24, 1939.
Booth, Walter, Shoe Company, Milwaukee, Wis. Boots and shoes. 365,842; Mar. 21; Serial No. 410,287; published Nov. 22, 1938. Class 39.
Boott Mills, Lowell, Mass. Cotton crash toweling and towels. 126,184; renewed July 29, 1939.
Boott Mills, Lowell, Mass. Cotton drills. 126,185; renewed July 29, 1939.
Borden, Howard S., New York, N. Y. Poker set. 365,930; Mar. 21; Serial No. 412,622; published Jan. 10, 1939. Class 22.
Bourjois, Inc., New York, N. Y. Face powder. 365,854; Mar. 21; Serial No. 411,079; published Dec. 27, 1938. Class 6.
Bownes, Frank, Company, Chelsea, Mass. Paint. 365,984; Mar. 21. Class 16.
Boye Needle Company, The, Chicago, Ill. Crochet-needles. 125,895; renewed July 8, 1939.
Bradley, Edith, New York, N. Y. Scalp toning and hair rejuvenating preparations. 365,905; Mar. 21; Serial No. 412,286; published Dec. 27, 1938. Class 6.
Bradley, Milton, Company, Springfield, Mass. Outfits of toy soldiers and pistols and games played by means of such outfits. 126,189; renewed July 29, 1939.
Bremner Bros., Chicago, Ill. Crackers. 365,955; Mar. 21; Serial No. 412,999; published Jan. 10, 1939. Class 46.
Brickner & Bernfeld, Inc., New York, N. Y. Fur skins. 365,816; Mar. 21; Serial No. 408,261; published Nov. 8, 1938. Class 1.
Bruno, Philip, Boston, Mass. Ointment. 365,992; Mar. 21. Class 6.
Bulova Watch Company, Inc., New York, N. Y. Watches. 365,926; Mar. 21; Serial No. 412,587; published Jan. 10, 1939. Class 27.
Burrell, Carr, doing business as All-Wax Products of New Jersey, Irvington, N. J. Automobile wax and polish. 365,787; Mar. 21; Serial No. 401,323; published Nov. 29, 1938. Class 16.
Byrne, Alexius W., Oakland, Calif. Game. 365,965; Mar. 21; Serial No. 413,180; published Jan. 10, 1939. Class 22.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Dog repellents. 365,864; Mar. 21; Serial No. 411,627; published Dec. 27, 1938. Class 6.
Callender, Wallace V., doing business as Retinning Manufacturing Co., Chicago, Ill. Acid and alkali resisting compound. 365,824; Mar. 21; Serial No. 409,293; published Dec. 27, 1938. Class 6.
Camden County Beverage Company, Camden, N. J. Beer. 365,972; Mar. 21. Class 48.
Carbona Products Company, New York, N. Y. Fluid preparation for cleaning or washing fabrics and surfaces. 365,994; Mar. 21. Class 4.
Carter Products, Inc., New York, N. Y. Liver pills. 365,840; Mar. 21; Serial No. 409,099; published Dec. 20, 1938. Class 6.
Carter Products, Inc., New York, N. Y. Depilatory. 365,849; Mar. 21; Serial No. 410,769; published Jan. 3, 1939. Class 6.

Carter, Robert J. S., Minneapolis, Minn. Screens for use in machines for bolting, purifying, and sifting all kinds of ground products. 365,797; Mar. 21; Serial No. 404,980; published Nov. 1, 1938. Class 23.

Central Chemical Corporation of Maryland, Hagerstown, Md. Insecticides and fungicides. 365,918; Mar. 21; Serial No. 412,437; published Jan. 10, 1939. Class 6.

Central Wisconsin Canneries, Beaver Dam, Wis. Canned vegetables. 365,971; Mar. 21. Class 46.

Cherry-Burrell Corporation, Chicago, Ill. Bottle filling and capping machinery, bottle cappers and bottle decappers. 365,996; Mar. 21. Class 23.

Cherry-Burrell Corporation, Chicago, Ill. Bottle washing machinery. 365,997–8; Mar. 21; Class 23.

Chevron Co. (See Knapp-Monarch Company.)

Chicago Pneumatic Tool Company, Chicago, Ill., to Chicago Pneumatic Tool Company, New York, N. Y. Air-drills. 124,677; renewed Mar. 11, 1939.

Clark-Millner Co., Chicago, Ill. Hair dressing. 365,871; Mar. 21; Serial No. 411,737; published Jan. 10, 1939. Class 6.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. 365,779; Mar. 21; Serial No. 394,125; published Dec. 13, 1938. Class 42.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. 365,949; Mar. 21; Serial No. 412,900; published Jan. 10, 1939. Class 32.

Columbia Mills, Inc., The, New York, N. Y. Mounted and window shades, and shade rollers. 366,004; Mar. 21. Class 32.

Continental Supply Company, The, Dallas, Tex. Various types of hose constructed of rubber and fabric. 365,875; Mar. 21; Serial No. 411,823; published Jan. 10, 1939. Class 35.

Davis Bros. Fisheries Inc., Gloucester, Mass. Fish. 125,287; renewed May 6, 1939.

Davis Bros. Fisheries Inc., Gloucester, Mass. Fish. 125,332; renewed May 13, 1939.

Davis Bros. Fisheries Inc., Gloucester, Mass. Fish. 125,626; renewed June 3, 1939.

Davis Engineering Corporation. (See Row & Davis, Engineers, Inc., assignor.)

De Benblain, Jean B. M. Y. A. D., Saint-Etienne, France. Towels, towelling, sheets, etc. 365,809; Mar. 21; Serial No. 407,460; published Dec. 13, 1938. Class 42.

Denny, Frances, Philadelphia, Pa. Toilet preparations. 365,850; Mar. 21; Serial No. 410,951; published Dec. 27, 1938. Class 6.

Dennis, W. J., & Company, Chicago, Ill. Window squeegee. 365,801; Mar. 21; Serial No. 406,213; published Jan. 10, 1939. Class 29.

De Walt Products Corporation, Lancaster, Pa. Lumber cutting machines. 365,815; Mar. 21; Serial No. 408,236; published Dec. 20, 1938. Class 23.

Dewey and Almy Chemical Company, Cambridge, Mass. Compositions for sealing containers. 365,944; Mar. 21; Serial No. 412,803; published Jan. 10, 1939. Class 50.

Diamond Match Company, The, New York, N. Y. Toilet tissue. 365,878; Mar. 21; Serial No. 411,948; published Jan. 10, 1939. Class 37.

Di Santo, Joseph, doing business as Di Santo & Company, Duluth, Minn. Medicinal tonic bitters. 365,837; Mar. 21; Serial No. 409,840; published Jan. 10, 1939. Class 6.

Doggett-Pfeil Company, Springfield, N. J. Insecticides. 365,884; Mar. 21; Serial No. 411,987; published Jan. 3, 1939. Class 6.

Donnelly, Arthur M., doing business as Donnelly Company, St. Louis, Mo. Skin lotion. 365,937; Mar. 21; Serial No. 412,699; published Jan. 10, 1939. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compound. 365,914; Mar. 21; Serial No. 412,364; published Dec. 27, 1938. Class 6.

Dupree Drug Store. (See Dupuy, James R.)

Dupuy, James R., doing business as Dupree Drug Store, Memphis, Tenn. General tonics. 365,865; Mar. 21; Serial No. 411,629; published Dec. 27, 1938. Class 6.

Dynamatic Corporation, Kenosha, Wis. Electric motors. 365,866; Mar. 21; Serial No. 411,630; published Jan. 10, 1939. Class 21.

Elmo, Inc., Philadelphia, Pa. Toilet creams and lotions. 365,990; Mar. 21. Class 6.

Elvita Research Laboratories, Inc., New York, N. Y. General tonic. 365,922; Mar. 21; Serial No. 412,548; published Jan. 10, 1939. Class 6.

Erlanger, N. Blumgart & Co. Inc., New York, N. Y. Fabrics. 365,977; Mar. 21. Class 42.

Factor, Max, & Co., Los Angeles, Calif. Cosmetics, perfumes, and similar preparations. 365,830–1; Mar. 21; Serial Nos. 409,607–8; published Jan. 3, 1939. Class 6.

Farnsworth, Daniel W., New York, N. Y. Woolen and worsted piece goods. 366,001; Mar. 21. Class 42.

Fibreboard Products Inc., San Francisco, Calif. Fiberboard shipping cartons and cases. 365,812; Mar. 21; Serial No. 407,729; published Jan. 10, 1939. Class 2.

Fischer, Howard L., doing business as Fischer Engineering Co., St. Paul, Minn. Knives. 365,862; Mar. 21; Serial No. 411,571; published Jan. 10, 1939. Class 23.

Fleming Manufacturing Company, East Providence, R. I. Tubes for oil filter connections. 365,959; Mar. 21; Serial No. 413,068; published Jan. 10, 1939. Class 35.

Frank, William, Company, Chicago, Ill. Musical instruments. 365,799; Mar. 21; Serial No. 405,923; published Jan. 10, 1939. Class 36.

Freeman, Fred, doing business as P-G Products, Indianapolis, Ind. Medical liquid. 365,993; Mar. 21. Class 6.

Funk, Edward J., & Sons, Kentland, Ind. Hybrid seed corn. 365,814; Mar. 21; Serial No. 408,099; published Jan. 10, 1939. Class 1.

Gaylord Container Corporation. (See Bogalusa Paper Company, Inc., assignor.)

General Chemical Company, New York, N. Y. Insecticides and fungicides. 365,891; Mar. 21; Serial No. 412,132; published Jan. 10, 1939. Class 6.

General Chemical Company, New York, N. Y. Insecticides. 365,919; Mar. 21; Serial No. 412,447; published Jan. 3, 1939. Class 6.

General Dyestuff Corporation, New York, N. Y. Water-softening chemicals. 365,872; Mar. 21; Serial No. 411,775; published Dec. 27, 1938. Class 6.

General Dyestuff Corporation, New York, N. Y. Chemicals used for accelerating the vulcanization of rubber. 365,873; Mar. 21; Serial No. 411,776; published Dec. 27, 1938. Class 6.

General Mills, Inc. (See Washburn Crosby Co., assignor.)

Gerald's Balm, Inc., Baltimore, Md. Balms. 365,778; Mar. 21; Serial No. 391,570; published Jan. 10, 1939. Class 6.

Gesellschaft für Pökelsalze Inh. M. H. Carl Seifert, Berlin-Weissensee, Germany. Pickling salts. 365,805; Mar. 21; Serial No. 406,757; published Jan. 3, 1939. Class 6.

Ghose, Satish C., doing business as India Incense Company, Chicago, Ill. Mosquito repellent, exterminator for flies, insecticide, and germicide. 365,973; Mar. 21. Class 6.

Goers Flour Mills Co., Newton, Kans., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 124,453; renewed Feb. 18, 1939.

Goldberg Bros. Bag Co., Portland, Oreg. Jute bags for grain, etc. 365,923; Mar. 21; Serial No. 412,549; published Jan. 10, 1939. Class 2.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pipe gaskets, pipe linings and annular packing elements. 365,786; Mar. 21; Serial No. 400,371; published Mar. 8, 1938. Class 35.

Gray, Dorothy A., Dawnwood, Amenia, N. Y. Preparation used for feminine hygiene. 365,845; Mar. 21; Serial No. 410,466; published Jan. 3, 1939. Class 6.

Greer, William, & Co. Limited, Glasgow, Scotland. Scotch whisky. 365,952; Mar. 21; Serial No. 412,970; published Jan. 10, 1939. Class 49.

Gross, Joseph S., La Habra, Calif. Fresh avocados. 365,931; Mar. 21; Serial No. 412,638; published Jan. 10, 1939. Class 46.

Gutmann & Company, assignor, by mesne assignments, to The Tannade Company, Chicago, Ill. Liquid chemicals for use in tanning processes. 126,010; renewed July 22, 1939.

H-O Company, The, Buffalo, now by change of name, merger and consolidation to Hecker Products Corporation, New York, N. Y. Steam-cooked oatmeal and rolled oats. 125,343; renewed May 13, 1939.

Hair-Aid Laboratories. (See Salsberg, Ben A.)

Halton, Gerald J., Venice, Calif. Game card holders and blanks for a game of chance. 365,851; Mar. 21; Serial No. 410,958; published Nov. 29, 1938. Class 22.

Hampden Sales Association. (See Leavin, V. David.

Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal preparation. 365,924; Mar. 21; Serial No. 412,553; published Jan. 10, 1939. Class 6.

Harvey, Henry L., Battle Creek, Mich. Game of chance. 365,956; Mar. 21; Serial No. 413,014; published Jan. 10, 1939. Class 22.

Harvey Paper Products Co., Sturgis, Mich. Paper cups. 365,885; Mar. 21; Serial No. 411,994; published Jan. 10, 1939. Class 2.

Hecker Products Corporation. (See H-O Company, The.)

Hercules Powder Company, Wilmington, Del. Textile sizing material. 365,889; Mar. 21; Serial No. 412,031; published Dec. 27, 1938. Class 6.

Hercules Powder Company, Wilmington, Del. Antifoaming agents, defoaming agents, dyeing agents, etc. 365,892; Mar. 21; Serial No. 412,140; published Dec. 27, 1938. Class 6.

Hevener, Osborn F., Maplewood, N. J. Apparatus for the recording of temperature and humidity, etc. 365,927; Mar. 21; Serial No. 412,600; published Jan. 10, 1939. Class 26.

Hewlett, John H., New Orleans, La. Mechanical figures and pictures. 365,839; Mar. 21; Serial No. 409,879; published Jan. 10, 1939. Class 22.

Hewitt Rubber Corporation, Buffalo, N. Y. Belting. 365,896; Mar. 21; Serial No. 412,184; published Jan. 10, 1939. Class 35.

Hiaid Products Co. (See Huebner, William F.)

Hong, Robert A., Long Beach, Calif. Dental plate relining preparation. 365,804; Mar. 21; Serial No. 406,450; published Jan. 10, 1939. Class 44.

Hohner, M., Inc., New York, N. Y. Harmonicas. 365,945; Mar. 21; Serial No. 411,864; published Jan. 10, 1939. Class 36.

Holland, Ira J. C., San Angelo, Tex. Jewelry. 365,989; Mar. 21. Class 28.

Horlacher Brewing Company, Allentown, Pa. Beer and ale. 365,939; Mar. 21; Serial No. 412,765; published Jan. 10, 1939. Class 48.

Hudnut, Alex., Pharmacy of N. Y., New York, N. Y. Hair treating preparations, cosmetics, etc. 365,790; Mar. 21; Serial No. 403,315; published July 26, 1938. Class 6.

Huebner, William F., doing business as Hiaid Products Co., Milwaukee, Wis. Washing fluid and water softener, bleach, germicide, etc. 365,813; Mar. 21; Serial No. 408,058; published Dec. 27, 1938. Class 6.

Ideal Linen Mesh Company, Poughkeepsie, N. Y. Cotton-mesh underwear. 124,723; renewed Mar. 11, 1939

India Incense Company. (See Ghose, Satish C.)

Inland Laboratories, Incorporated, Indianapolis, Ind. Vaginal antiseptic. 365,910; Mar. 21; Serial No. 412,342; published Jan. 10, 1939. Class 6.

International Safety Razor Corporation, Bloomfield, N. J. Razor blades. 365,861; Mar. 21; Serial No. 411,456; published Jan. 10, 1939. Class 23.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 365,982; Mar. 21. Class 34.

Joyner, Jennie, Philadelphia, Pa. Preparation for rheumatic pains and stiff joints. 365,987; Mar. 21. Class 6.

Justex Lamp Co. (See Soriano, Angelo.)

K & S Sales Co., assignor to Atlas Industries, Inc., Chicago, Ill. Cameras. 365,925; Mar. 21; Serial No. 412,554; published Jan. 10, 1939. Class 26.

Kachurin, Philip, doing business as American Vitamin Laboratories, New York, N. Y. Medicinal preparation. 365,890; Mar. 21; Serial No. 412,102; published Jan. 10, 1939. Class 6.

Kaufmann Bros. & Bondy, Inc., West New York, N. J. Pipes. 365,932; Mar. 21; Serial No. 412,644; published Jan. 10, 1939. Class 8.

Keasbey & Mattison Company, Ambler, Pa. Asbestos packings, flax packing, brake linings, etc. 365,950; Mar. 21; Serial No. 412,908; published Jan. 10, 1939. Class 35.

Keefe, Daniel J., Jr., doing business as Keefe Chemical Co., Boston, Mass. Deodorant and germicide. 366,000; Mar. 21. Class 6.

Keily, Kitty, Shoe Corporation, New York, N. Y. Bags, trunks, bill folds, etc. 365,776; Mar. 21; Serial No. 368,334; published Dec. 27, 1938. Class 3.

Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 126,173; renewed July 29, 1939.

King, John E., Coffee Co., to John E. King, Jr., doing business as John E. King Coffee Co., Detroit, Mich., successor. Coffee. 124,727; renewed Mar. 11, 1939.

Knapp-Monarch Company, doing business as Chevron Co., St. Louis, Mo. Electric toasters, electric sandwich toasters, electric room heaters, etc. 365,784; Mar. 21; Serial No. 398,907; published Jan. 25, 1938. Class 21.

Kress, S. H., and Company, New York, N. Y. Liquid solder, toilet bowl deodorant, and dentrifices. 365,897; Mar. 21; Serial No. 412,190; published Dec. 27, 1938. Class 6.

Lafayette Pharmacal Inc., Lafayette, Ind. Medicament. 365,821; Mar. 21; Serial No. 408,741; published Jan. 10, 1939. Class 6.

Lazarus, Sam P., doing business as Rhadol Manufacturing Company, Richmond, Va. Preparation for the treatment of athlete's foot and other similar ailments. 365,863; Mar. 21; Serial No. 411,610; published Jan. 3, 1939. Class 6.

Leavin, V. David, doing business as Hampden Sales Association, assignor to Hampden Sales Association, Inc., New York, N. Y. Preparation used as a powder base, complexion aid, and foundation for make-up. 365,819; Mar. 21; Serial No. 408,649; published Nov. 29, 1938. Class 6.

Lee & Cady. (See Berdan Company, The, assignor.)

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. 365,886; Mar. 21; Serial No. 411,999; published Jan. 10, 1939. Class 6.

Lentheric, Incorporated, New York, N. Y. Vanity case containing rouge. 365,823; Mar. 21; Serial No. 409,273; published Dec. 27, 1938. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 365,928; Mar. 21; Serial No. 412,608; published Dec. 27, 1938. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 365,933; Mar. 21; Serial No. 412,646; published Dec. 27, 1938. Class 6.

Lewiston Milling Co., Ltd., Lewiston, Idaho, and Asotin, Wash., assignor to North Pacific Milling Co., Lewiston, Idaho. Wheat-flour. 125,348; renewed May 13, 1939.

Lignum Chemical Works, The, New York, N. Y. Granulated and processed wood. 365,901; Mar. 21; Serial No. 412,227; published Jan. 10, 1939. Class 1.

Lignum Chemical Works, The, New York, N. Y. Sawdust used in the cleaning of fur garments without removing the linings. 365,902; Mar. 21; Serial No. 412,228; published Jan. 10, 1939. Class 1.

Lignum Chemical Works, The, New York, N. Y. Granulated and processed wood. 365,904; Mar. 21; Serial No. 412,262; published Jan. 10, 1939. Class 1.

Linderman, Richard C., New York, N. Y. Preparation used to aid digestion. 365,988; Mar. 21. Class 6.

Lorraine Manufacturing Company, Pawtucket, R. I. Textile fabrics. 365,785; Mar. 21; Serial No. 400,239; published Jan. 10, 1939. Class 42.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton piece goods. 365,934; Mar. 21; Serial No. 412,649; published Jan. 10, 1939. Class 42.

Magee, John V., doing business as J. V. Magee Mfg. Co., Chicago, Ill. Silver in granular form. 365,829; Mar. 21; Serial No. 409,578; published Dec. 20, 1938. Class 14.

Maison Jeurelle-Seventeen, Inc., New York, N. Y. Perfumes, cologne, and toilet water. 365,808; Mar. 21; Serial No. 407,320; published Sept. 6, 1938. Class 6.

McSweeney, Mary H. (See Reinhardt, Mary Woodard, and Mary H. McSweeney.)

Merchants Distilling Corporation, Terre Haute, Ind. Whiskey. 365,960–1; Mar. 21; Serial Nos. 413,131–2; published Jan. 10, 1939. Class 49.

Miller, S. H., & Company, doing business as Miller Laboratories, Youngstown, Ohio. Proprietary medicines. 365,906; Mar. 21; Serial No. 412,299; published Dec. 27, 1938. Class 6.

Miner, Read & Tullock, assignor to The Miner, Read & Tullock, Inc., New Haven, Conn. Canned vegetables and fruits, coffees, and spices. 126,190; renewed July 29, 1939.

Minter, Martha P., doing business as Totus Mfg. Co., Philadelphia, Pa. Antiseptic deodorant powders and medicated greaseless skin creams. 365,970; Mar. 21; Serial No. 413,272; published Jan. 10, 1939. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical compounds. 365,940; Mar. 21; Serial No. 412,775; published Jan. 10, 1939. Class 6.

Moore, Lloyd R., Mystic, Conn. Antiseptic foot powder. 365,979; Mar. 21. Class 6.

Moulton Ladder Manufacturing Co., Somerville, Mass. Ladders. 366,002–3; Mar. 21. Class 50.

Multi Products Co. (See Protectoseal Company of America, Inc.)

Murad, Walter, San Carlos, Calif. Swivel joint hose couplings. 365,995; Mar. 21. Class 13.

National Carbide Corporation, New York, N. Y. Acetylene lights and generators. 365,825; Mar. 21; Serial No. 409,326; published Jan. 10, 1939. Class 34.

National Drug Company, The, Philadelphia, Pa. Tablets to be taken internally, and ampules for injection. 365,858; Mar. 21; Serial No. 411,339; published Dec. 27, 1938. Class 6.

National Engineering Company, Chicago, Ill. Endless conveyors for articles and materials. 365,838; Mar. 21; Serial No. 409,849; published Jan. 10, 1939. Class 23.

National Granite Company, Elberton, Ga. Granite. 365,879; Mar. 21; Serial No. 411,960; published Jan. 10, 1939. Class 1.

National Grape Corporation, Brocton, N. Y. Grape juice. 365,941; Mar. 21; Serial No. 412,778; published Jan. 10, 1939. Class 45.

Nesbitt Fruit Products, Inc., Los Angeles, Calif. Flavoring and garnishing and topping preparations. 365,803; Mar. 21; Serial No. 406,349; published Jan. 10, 1939. Class 46.

Neva-Wet Corporation of America, New York, N. Y. Processing compound for treating cotton, wool, etc. 365,929; Mar. 21; Serial No. 412,612; published Jan. 10, 1939. Class 6.

North Pacific Milling Co. (See Lewiston Milling Co., Ltd., assignor.)

Northwest Chair Company, Tacoma, Wash. Platform rockers. 365,957; Mar. 21; Serial No. 413,025; published Jan. 10, 1939. Class 32.

Nu-Dent Porcelain Studio Inc., New York, N. Y. Dentures, dental supplies. 365,789; Mar. 21; Serial No. 403,055; published Jan. 10, 1939. Class 44.

Nutex Company, The, Philadelphia, Pa., assignor to The Sanitube Company, Newport, R. I. Preparations for the prevention and treatment of social diseases. 365,846; Mar. 21; Serial No. 410,474; published Dec. 27, 1938. Class 6.

Ohio Cosmetic Company, The, Fremont, Ohio. Astringents, astringent cerates, beauty and cold creams, etc. 365,880; Mar. 21; Serial No 411,963; published Jan. 3, 1939. Class 6.

Old Heaven Hill Springs Distillery, Incorporated, Bardstown, Ky. Whiskey. 365,953; Mar. 21; Serial No. 412,981; published Jan. 10, 1939. Class 49.

Optikotechna společnost s r. o., Prerov, Czechoslovakia. Photographic enlarging apparatus. 365,935; Mar. 21; Serial No. 412,663; published Jan. 10, 1939. Class 26.

Owen, Claude M., Sr., doing business as Sil-Kal Co., Kansas City, Mo. Prophylactic preparation. 365,881; Mar. 21; Serial No. 411,965; published Dec. 27, 1938. Class 6.

Oyez Chemical Company, New York, N. Y. Wall paper remover and cleaner. 365,907; Mar. 21; Serial No. 412,303; published Dec. 27, 1938. Class 6.

P-G Products. (See Freeman, Fred.)

Paparelli, Louis A., Albuquerque, N. Mex. Tonic, stomachic stimulant; alterative and tonic blood purifier, etc. 365,807; Mar. 21; Serial No. 407,157; published Jan. 3, 1939. Class 6.

Parris-Dunn Corporation, Clarinda, Iowa. Wind-driven electric generator apparatus. 365,777; Mar. 21; Serial No. 389,849; published June 15, 1937. Class 21.

Pawtucket Standard Braid Company. (See Andrews, Augusto J.)

Penick & Ford, Ltd. Incorporated, New York, N. Y. Dextrines and adhesive gums. 365,999; Mar. 21. Class 5.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pillows. 365,962; Mar. 21; Serial No. 413,138; published Jan. 10, 1939. Class 32.
Pennsylvania Rubber Company, Jeannette, Pa. Pneumatic tires. 365,966; Mar. 21; Serial No. 413,194; published Jan. 10, 1939. Class 35.
Pierce & Stevens, Incorporated, Buffalo, N. Y. Compounds or mixtures containing cellulose derivatives, and thinners, etc. 365,827; Mar. 21; Serial No. 409,489; published Jan. 10, 1939. Class 6.
Plessner, Paul, Company, The, Detroit, Mich. Preparation for gall bladder, bile duct and liver disturbances. 365,887; Mar. 21; Serial No. 412,007; published Dec. 27, 1938. Class 6.
Powertone Company. (See Bernardini, A.)
Premier Bed & Spring Company, San Francisco, Calif. Bed springs, box springs, studio couches, and mattresses. 365,968–9; Mar. 21; Serial Nos. 413,243–4; published Jan. 10, 1939. Class 32.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Preparation for the relief of pain. 365,911; Mar. 21; Serial No. 412,356; published Dec. 27, 1938. Class 6.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Laxative. 365,912; Mar. 21; Serial No. 412,357; published Jan. 3, 1939. Class 6.
Prims, Inc., Brooklyn, N. Y. Perfume and cologne. 365,844; Mar. 21; Serial No. 410,338; published Jan. 3, 1939. Class 6.
Protection Products Mfg. Co., Kalamazoo, Mich. Water repellent. 365,946–7; Mar. 21; Serial Nos. 412,870–1; published Jan. 10, 1939. Class 6.
Protectoseal Company of America, Inc., doing business as Multi Products Co., Chicago, Ill. Woodfiber novelties, metal specialties, and advertising displays. 365,800; Mar. 21; Serial No. 406,150; published Jan. 10, 1939. Class 50.
Rawlplug Company, Inc., The, New York, N. Y. Fibre screw anchors. 365,794–6; Mar. 21; Serial Nos. 404,415–17; published Jan. 10, 1939. Class 13.
Reaser Furniture Company, Gettysburg, Pa. Dining and bedroom furniture and novelty tables and desks. 365,958; Mar. 21; Serial No. 413,030; published Jan. 10, 1939. Class 32.
Reed, Walter C., North Hollywood, Calif. Vacuum cleaners. 365,811; Mar. 21; Serial No. 407,689; published Oct. 4, 1938. Class 23.
Reichhold Chemicals Inc., Detroit, Mich. Oils for use in the industrial arts. 365,855; Mar. 21; Serial No. 411,182; published Jan. 3, 1939. Class 6.
Reinhardt, Mary Woodard, and Mary H. McSweeney, New York, N. Y. Cosmetics. 365,856; Mar. 21; Serial No. 411,183; published Jan. 3, 1939. Class 6.
Retinning Manufacturing Co. (See Callender, Wallace V.)
Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. 365,788; Mar. 21; Serial No. 402,952; published Dec. 27, 1938. Class 6.
Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for finger nails. 365,791; Mar. 21; Serial No. 403,422; published Dec. 27, 1938. Class 6.
Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel for coating finger nails. 365,980; Mar. 21. Class 6.
Rhadol Manufacturing Company. (See Lazarus, Sam P.)
Rit Products Corporation, Chicago, Ill. Bleaching compositions. 365,792; Mar. 21; Serial No. 403,785; published Jan. 3, 1939. Class 6.
Rit Products Corporation, Chicago, Ill. Dye. 365,867; Mar. 21; Serial No. 411,656; published Dec. 27, 1938. Class 6.
Riverbank Canning Company, Riverbank, Calif. Canned food products. 365,920; Mar. 21; Serial No. 412,463; published Jan. 10, 1939. Class 46.
Rockwell-Barnes Company, Chicago, Ill. Notebooks, blank books, and writing paper. 365,948; Mar. 21; Serial No. 412,872; published Jan. 10, 1939. Class 37.
Roddenbery, W. B., Co., Cairo, Ga. Table syrup, pickles, and peanut butter. 365,834; Mar. 21; Serial No. 409,782; published Nov. 29, 1938. Class 46.
Ronrico Corporation, San Juan, P. R. Frozen confections and ice cream. 365,893; Mar. 21; Serial No. 412,155; published Jan. 10, 1939. Class 46.
Roth Fabrics Corporation, New York, N. Y. Artificial silk fabrics. 365,894; Mar. 21; Serial No. 412,157; published Jan. 10, 1939. Class 42.
Row & Davis, Engineers, Inc., New York, N. Y., assignor to Davis Engineering Corporation, Elizabeth, N. J. Feed-water heaters, condensers, etc. 124,883; renewed Mar. 18, 1939.
Royal Pet Products Co., Philadelphia, Pa. Powder for killing fleas and lice. 365,976; Mar. 21. Class 6.
Salsberg, Ben A., doing business as Hair-Aid Laboratories, Chicago, Ill. Preparations for treating hair and scalp. 365,975; Mar. 21. Class 6.
San Antonio Drug Co., San Antonio, Tex., and New York, N. Y., to San Antonio Drug Company, San Antonio, Tex. Pharmaceutical preparations. 126,204; renewed July 29, 1939.
Sanitube Company, The. (See Nutex Company, The, assignor.)
Santiago Development Corporation, New York, N. Y. Refrigerators. 365,967; Mar. 21; Serial No. 413,201; published Jan. 10, 1939. Class 31.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. 365,921; Mar. 21; Serial No. 412,466; published Dec. 27, 1938. Class 6.
Schiff, Henry T., Chicago, Ill. Flashlights and lanterns using oil for fuel. 365,951; Mar. 21; Serial No. 411,909; published Jan. 10, 1939. Class 34.
Schmidt, Johann, K. G., Nuremberg, Germany. Medicament containers. 365,847; Mar. 21; Serial No. 410,487; published Jan. 10, 1939. Class 6.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 365,848; Mar. 21; Serial No. 410,660; published Dec. 13, 1938. Class 39.
Scholler Brothers, Inc., Philadelphia, Pa. Apparatus for washing hosiery, lingerie, and like articles. 365,798; Mar. 21; Serial No. 405,668; published Jan. 10, 1939. Class 24.
Searle, G. D., & Co., Chicago, Ill. Iodized and chlorinated oil for X-ray diagnosis and iodine medication. 365,991; Mar. 21. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Water softener. 365,782; Mar. 21; Serial No. 398,065; published Dec. 27, 1938. Class 4.
Sessions Clock Company, The, Forestville, Conn. Interval timers. 365,978; Mar. 21. Class 27.
Shean, Frank W., Tucson, Ariz. Bath solution. 365,806; Mar. 21; Serial No. 407,113; published Dec. 27, 1938. Class 6.
Sheffield Company, The, New London, Conn. Ointments. 365,974; Mar. 21. Class 6.
Shield Foods, Inc., Buffalo, N. Y. Canned tuna fish. 365,898; Mar. 21; Serial No. 412,203; published Jan. 10, 1939. Class 46.
Sil-Kal Co. (See Owen, Claude M., Sr.)
Sipe, James B., & Co., Allegheny, to James P. Sipe & Company, Pittsburgh, Pa., successor. Painting and graining oil. 16,542; re-renewed Apr. 30, 1939.
Smith, H. P., Paper Company, Chicago, Ill. Wet-strength paper. 365,986; Mar. 21. Class 37.
Soluol Corporation, Providence, R. I. Treatment materials for textile fibres and fabrics made therefrom. 365,888; Mar. 21; Serial No. 412,010; published Jan. 3, 1939. Class 6.
Soriano, Angelo, doing business as Justex Lamp Co., Brooklyn, N. Y. Electric lamp bases. 365,936; Mar. 21; Serial No. 412,674; published Jan. 10, 1939. Class 21.
Sparklets Corporation, New York, N. Y. Bulbs or capsules containing compressed or liquefied gas. 365,841; Mar. 21; Serial No. 410,097; published Jan. 3, 1939. Class 6.
Spillane, James, doing business as Ampu-Balm Co., Los Angeles, Calif. Preparation for relieving irritation of the stump of a limb supported on an artificial limb. 365,810; Mar. 21; Serial No. 407,506; published Jan. 3, 1939. Class 6.
Sponge Rubber Products Company, The, Derby, Conn. Play sets including ball and bat. 365,963; Mar. 21; Serial No. 413,157; published Jan. 10, 1939. Class 22.
Stafast, Newark, N. J. Removable flexible automobile fender cover or protector of cloth or the like. 365,983; Mar. 21. Class 19.
Stahmer Coal Company, Chicago, Ill. Coal. 365,942; Mar. 21; Serial No. 412,782; published Jan. 10, 1939. Class 1.
Standard Mailing Machines Company, Everett, Mass. Duplicating fluid. 365,780; Mar. 21; Serial No. 397,487; published Nov. 29, 1938. Class 11.
Standard Milling Company. (See Goerz Flour Mills Co., assignor.)
Standard Oil Company of New Jersey, Wilmington, Del. Fuel for pyrophoric lighters. 365,903; Mar. 21; Serial No. 412,234; published Jan. 10, 1939. Class 6.
Stein, S., & Co., New York, N. Y. Woolen goods. 365,985; Mar. 21. Class 42.
Stratos, Dan D., Mansfield, Ohio. Orange beverage, or an orange concentrate or syrup for making the same. 365,832; Mar. 21; Serial No. 409,749; published Jan. 10, 1939. Class 45.
Sun Company, Philadelphia, Pa., by change of name to Sun Oil Company. Lubricating-oils, burning-oils, paraffin, gasolene, etc. 124,943; renewed Mar. 25, 1939.
Sunset Fruit Co., Yuba City, Calif. Canned fruits. 365,882; Mar. 21; Serial No. 411,975; published Jan. 10, 1939. Class 46.
Sutherland Manufacturing Company, Inc., Washington, D. C. Medical equipment for producing hyperemia. 365,820; Mar. 21; Serial No. 408,665; published Jan. 10, 1939. Class 44.
Tablax Company-Pharma-Clinical Laboratories. (See Weiner, Louis I.)
Table Rock Laboratories, Inc., Greenville, S. C. Solution and compressed tablets containing the whole vitamin B complex. 365,859; Mar. 21; Serial No. 411,348; published Dec. 27, 1938. Class 6.
Takaki, Ralph N., Honolulu, Hawaii. Medicinal preparation. 365,843; Mar. 21; Serial No. 410,315; published Jan. 10, 1939. Class 6.
Tannade Company, The. (See Gutmann & Company, assignor.)
Taylor, E. E., Company, assignor to E. E. Taylor Corporation, Boston, Mass. Boots and shoes. 126,096; renewed July 22, 1939.
Totus Mfg. Co. (See Minter, Martha P.)

Tuttle, Rosa E., Newark, N. J. Mercury triple distilled from scrap amalgam. 365,877; Mar. 21; Serial No. 411,915; published Jan. 3, 1939. Class 6.
Union Twist Drill Co., assignor to Union Twist Drill Company, Athol, Mass. Cutlery, machinery, and tools, and parts thereof. 126,223; renewed July 29, 1939.
Upjohn Company, The, Kalamazoo, Mich. Vitamin preparation. 365,913; Mar. 21; Serial No. 412,362; published Jan. 10, 1939. Class 6.
Veeder-Root Incorporated, Hartford, Conn. Computers for liquid dispensing apparatus. 365,874; Mar. 21; Serial No. 411,803; published Jan. 10, 1939. Class 26.
Vitamin Products Co., Montebello, Calif. Concentrated compound of natural vitamin concentrates. 365,817; Mar. 21; Serial No. 408,523; published Jan. 10, 1939. Class 6.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. 365,964; Mar. 21; Serial No. 413,164; published Jan. 10, 1939. Class 49.
Ward Baking Company, New York, N. Y. Cakes. 125,689; renewed June 3, 1939.
Washburn Crosby Co., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 125,597–9; renewed May 27, 1939.
Washburn Crosby Co., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 125,690–2; renewed June 3, 1939.
Wayne University of Beauty Culture, Inc., Fort Wayne, Ind. Foot cream, pore cream, skin freshener, etc. 365,833; Mar. 21; Serial No. 409,753; published Jan. 3, 1939. Class 6.
Weiner, Louis I., doing business as Tablax Company-Pharma Clinical Laboratories, New York, N. Y. Rectal suppositories. 365,876; Mar. 21; Serial No. 411,847; published Jan. 3, 1939. Class 6.
White House Milk Products Co., West Bend, Wis., assignor, by mesne assignments, to White House Milk Company, Inc., New York, N. Y. Canned unsweetened evaporated milk. 124,494; renewed Feb. 18, 1939.
Whitehurst Research Corporation, New York, N. Y. Head production and retention compound for use in ale and beer. 365,835; Mar. 21; Serial No. 409,793; published Jan. 10, 1939. Class 48.
Whitehurst Research Corporation, New York, N. Y. Beverage-clearing compound for ale and beer. 365,836; Mar. 21; Serial No. 409,794; published Jan. 10, 1939. Class 48.
White-Rodgers Electric Company, St. Louis, Mo. Instruments and controls. 365,781; Mar. 21; Serial No. 397,492; published Jan. 10, 1939. Class 26.
Winthrop Chemical Company, Inc., New York, N. Y. Sexual hormone, pituitary hormone, and endocrine preparations. 365,943; Mar. 21; Serial No. 412,786; published Jan. 10, 1939. Class 6.
Wolf, Jacques, & Co., Clifton, N. J. Preparation used for printing textile materials, impregnating and coating textile fabrics. 365,828; Mar. 21; Serial No. 409,497; published Jan. 3, 1939. Class 6.
Yamanaka & Co. Inc., New York, N. Y. Compound which prolongs the freshness and life of cut flowers, plants, or branches. 365,868; Mar. 21; Serial No. 411,666; published Jan. 10, 1939. Class 6.
Young, Chas. W., & Co., Philadelphia, Pa. Soap flakes. 365,981; Mar. 21. Class 4.
Young, William D., New York, N. Y. Sanitary napkins. 365,783; Mar. 21; Serial No. 398,696; published Jan. 10, 1939. Class 44.

LIST OF REGISTRANTS OF LABELS

Abernathy, St. Elmo, Berkeley, Calif. Ants' Eggs. For Desiccated Formacine Eggs, Cocoons. 52,665; Mar. 21.
Abernathy, St. Elmo, Berkeley, Calif. Water-Boatmen (Corixidae). For Water-Boatmen (Corixidae). 52,666; Mar. 21.
Bird & Son, Inc., East Walpole, Mass. Carlita Styles. For Cartons. 52,667; Mar. 21.
Burnstein, Louis, doing business as Rux Products Co., Platte City, Mo. Rux Cold Tablets. For Cold Tablets. 52,668; Mar. 21.
California and Hawaiian Sugar Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C and H Sugar Pure Cane Light Brown. For Sugar. 52,669; Mar. 21.
Fremont Canning Company, doing business as Gerber Products Company, Fremont, Mich. Gerber's Strained Carrots. For Strained Carrots. 52,670; Mar. 21.
Gerber Products Company. (See Fremont Canning Company.)
Grennan Fresh Banana Flips. For Banana Flips. Grennan Bakeries, Incorporated. 52,671; Mar. 21.
Grossman, Cornell J., doing business as Cornell Grossman, Millburn, N. J. Tissuetint Denture Metal. For Denture Metal. 52,672; Mar. 21.
Harter Publishing Company, The, Cleveland, Ohio. Fine Arts—Spectrum Opaque Water Color. For Opaque Water Colors. 52,673; Mar. 21.
Heileman, G., Brewing Co., La Crosse, Wis. Heileman's Old Style Lager Beer. For Lager Beer. 52,674; Mar. 21.
Hoffman Beverage Company, Newark, N. J. Hoffman Tom Collins Mixer. For Tom Collins Mixer With a Pure Lemon Juice Base. 52,675; Mar. 21.
Home Dry Cleaner Laboratories. (See Swimmer, Meyer L.)
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Carnu. For a Car Finish Restorer. 52,676; Mar. 21.
Kozek, Morton, and B. Perlsweig, Philadelphia, Pa. Whities. For Candy-Coated Gum. 52,677; Mar. 21.
Melster Candy Company, Cambridge, Wis. Melster's "Cherrie". For Bar Candy. 52,678; Mar. 21.
Northampton Brewery Corporation, Northampton, Pa. Tru-Blu Old Fashioned. For Beer. 52,679; Mar. 21.
Perlsweig, B. (See Kozek, Morton, and B. Perlsweig.)
Ragland Potter & Co., Inc., Nashville, Tenn. Clothtex. For Bathroom Tissue. 52,680; Mar. 21.
Rux Products Co. (See Burnstein, Louis.)
Salamitro, Alfred A., Bloomfield, N. J. Doc Beans—Past-E-Fasul. For a Food Prepared from Beans with Tomato Sauce. 52,681; Mar. 21.
Snider Packing Corporation, Rochester, N. Y. Snider Diced Beets. For Canned Diced Beets. 52,682; Mar. 21.
Snider Packing Corporation, Rochester, N. Y. Snider Peas and Carrots. For Canned Peas and Carrots. 52,683; Mar. 21.
Snider Packing Corporation, Rochester, N. Y. Snider Whole Kernel Golden Bantam Corn. For Canned Golden Bantam Corn. 52,684; Mar. 21.
Sorver, McEvoy & Co., Philadelphia, Pa. Morris Mansion. For Coffee. 52,685; Mar. 21.
Swimmer, Meyer L., doing business as Home Dry Cleaner Laboratories, Uniontown, Pa. Wind-O-Kleen. For a Cleaner for Cleaning and Polishing all Glass Surfaces and Wind-Shields. 52,686; Mar. 21.
Thomas, Andrew J., Stillwater, Okla. Dad's P. A. P. For Laxative Wheat-Food to be Balanced with Milk and Fruit. 52,687; Mar. 21.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Black Leaf 40. For Nicotine Sulphate. 52,688; Mar. 21.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Black Leaf 40 Nicotine Sulphate. For Nicotine Sulphate. 52,689; Mar. 21.
Tobacco By-Products & Chemical Corporation (Incorporated), Louisville, Ky. Black Leaf 155. For an Effective and Non-Caustic Spray for Codling Moth Control. 52,690; Mar. 21.
Union Oil Company of California, Los Angeles, Calif. Stop Spot. For a Cleaning Fluid. 52,691; Mar. 21.
Werner, Willie S., Houston, Tex. Plantation Waffle Mix. For a Waffle Mix. 52,692; Mar. 21.

LIST OF REGISTRANTS OF PRINTS

Fritsch, Lewis A., Cincinnati, Ohio. Pad-Hesion. For Abdominal Belts. 17,278; Mar. 21.
Mono Service Co., Newark, N. J. Vest Pocket Blotter. For Paper Cups. 17,279; Mar. 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Stahmer Coal Company. 365,942; Mar. 21; Serial No. 412,782; published Jan. 10, 1939.
Granite. National Granite Company. 365,879; Mar. 21; Serial No. 411,960; published Jan. 10, 1939.
Sawdust used in the cleaning of fur garments without removing the linings. Lignum Chemical Works. 365,902; Mar. 21; Serial No. 412,228; published Jan 10, 1939.
Seed corn, Hybrid. Edward J. Funk & Sons. 365,814; Mar. 21; Serial No. 408,099; published Jan. 10, 1939.

Seeds. F. W. Bolgiano & Company. 125,863; renewed June 24, 1939.
Skins, Fur. Brickner & Bernfeld, Inc. 365,816; Mar. 21; Serial No. 408,261; published Nov. 8, 1938.
Wood, Granulated and processed. Lignum Chemical Works. 365,901; Mar. 21; Serial No. 412,227; published Jan. 10, 1939.
Wood, Granulated and processed. Lignum Chemical Works. 365,904; Mar. 21; Serial No. 412,262; published Jan. 10, 1939.

CLASS 2

Bags for grain, etc., Jute. Goldberg Bros. Bag Co. 365,923; Mar. 21; Serial No. 412,549; published Jan 10, 1939.
Cartons, Fiberboard shipping. Fibreboard Products Inc. 365,812; Mar. 21; Serial No. 407,729; published Jan. 10, 1939.
Cups, Paper. Harvey Paper Products Co. 365,885; Mar. 21; Serial No. 411,994; published Jan. 10, 1939.

CLASS 3

Bags, trunks, bill folds, etc. Kitty Kelly Shoe Corporation. 365,776; Mar. 21; Serial No. 368,334; published Dec. 27, 1938.

CLASS 4

Preparation for cleaning or washing fabrics and surfaces, Fluid. Carbona Products Company. 365,994; Mar. 21.
Soap flakes. Chas. W. Young & Co. 365,981; Mar. 21.

CLASS 5

Dextrines and adhesive gums. Penick & Ford, Ltd. Incorporated. 365,999 Mar. 21.

CLASS 6

Acid and alkali resisting compound. W. V. Callender. 365,824; Mar. 21; Serial No. 409,293; published Dec. 27, 1938.
Antifoaming agents, defoaming agents, dyeing agents, etc. Hercules Powder Company. 365,892; Mar. 21; Serial No. 412,140; published Dec. 27, 1938.
Antiseptic, Vaginal. Inland Laboratories, Incorporated. 365,910; Mar. 21; Serial No. 412,342; published Jan. 10, 1939.
Astringents, astringent cerates, Beauty and cold creams, etc. Ohio Cosmetics Company. 365,880; Mar. 21; Serial No. 411,963; published Jan. 3, 1939.
Balms. Gerald's Balm, Inc. 365,778; Mar. 21; Serial No. 391,570; published Jan. 10, 1939.
Bath solution. F. W. Shean. 365,806; Mar. 21; Serial No. 407,113; published Dec. 27, 1938.
Bleaching compositions. Rit Products Corporation. 365,792; Mar. 21; Serial No. 403,785; published Jan. 3, 1939.
Bulbs or capsules containing compressed or liquefied gas. Sparklets Corporation. 365,841; Mar. 21; Serial No. 410,097; published Jan. 3, 1939.
Chemical compound. E. I. du Pont de Nemours and Company. 365,914; Mar. 21; Serial No. 412,364; published Dec. 27, 1938.
Chemical compounds. Monsanto Chemical Company. 365,940; Mar. 21; Serial No. 412,775; published Jan. 10, 1939.
Chemicals for use in tanning processes, Liquid. Gutmann & Company. 126,010; renewed July 22, 1939.
Chemicals used for accelerating the vulcanization of rubber. General Dyestuff Corporation. 365,873; Mar. 21; Serial No. 411,776; published Dec. 27, 1938.
Chemicals, Water-softening. General Dyestuff Corporation. 365,872; Mar. 21; Serial No. 411,775; published Dec. 27, 1938.
Compound of natural vitamin concentrates, Concentrated, Vitamin Products Co. 365,817; Mar. 21; Serial No. 408,523; published Jan. 10, 1939.
Compound which prolongs the freshness and life of cut flowers, plants, or branches. Yamanaka & Co. Inc. 365,868; Mar. 21; Serial No. 411,666; published Jan. 10, 1939.
Compounds or mixtures containing cellulose derivatives, and thinners, etc. Pierce & Stevens, Incorporated. 365,827; Mar. 21; Serial No. 409,489; published Jan. 10, 1939.
Cosmetics. Mary Woodard Reinhardt and Mary H. McSweeney. 365,856; Mar. 21; Serial No. 411,183; published Jan. 3, 1939.
Cosmetics, perfumes, and similar preparations. Max Factor & Co. 365,830–1; Mar. 21; Serial Nos. 409,607–8; published Jan. 3, 1939.
Cream, pore cream, skin freshener, etc., Foot. Wayne University of Beauty Culture, Inc. 365,833; Mar. 21; Serial No. 409,753; published Jan. 3, 1939.
Creams and lotions, Toilet. Elmo, Inc. 365,990; Mar. 21.
Deodorant and germicide. D. J. Keefe, Jr. 366,000; Mar. 21.
Depilatory. Carter Products, Inc. 365,849; Mar. 21; Serial No. 410,769; published Jan. 3, 1939.
Derivatives of hexahydric alcohols and inner ethers thereof. Atlas Powder Company. 365,915; Mar. 21; Serial No. 412,404; published Dec. 27, 1938.
Desiccating compound. Anticarbone Corporation. 365,852; Mar. 21; Serial No. 411,045; published Jan. 3, 1939.
Disinfectant, washing fluid and water softener, bleach, germicide, etc. W. F. Huebner. 365,813; Mar. 21; Serial No. 408,058; published Dec. 27, 1938.
Dyes. Rit Products Corporation. 365,867; Mar. 21; Serial No. 411,656; published Dec. 27, 1938.
Enamel adapted for finger nails. Revlon Nail Enamel Corporation. 365,788; Mar. 21; Serial No. 402,952; published Dec. 27, 1938.
Enamel for coating finger nails. Revlon Nail Enamel Corporation. 365,980; Mar. 21.
Enamel for finger nails. Revlon Nail Enamel Corporation. 365,791; Mar. 21; Serial No. 403,422; published Dec. 27, 1938.
Fuel for pyrophoric lighters. Standard Oil Company of New Jersey. 365,903; Mar. 21; Serial No. 412,234; published Jan. 10, 1939.
Hair dressing. Clark-Millner Co. 365,871; Mar. 21; Serial No. 411,737; published Jan. 10, 1939.
Hair treating preparations, cosmetics, etc. Alex. Hudnut Pharmacy of N. Y. 365,790; Mar. 21; Serial No. 403,315; published July 26, 1938.
Hormone and endocrine preparations, Sexual and pituitary. Winthrop Chemical Company. 365,943; Mar. 21; Serial No. 412,786; published Jan. 10, 1939.
Insecticides. Doggett-Pfeil Company. 365,884; Mar. 21; Serial No. 411,987; published Jan. 3, 1939.
Insecticides. General Chemical Company. 365,919; Mar. 21; Serial No. 412,447; published Jan. 3, 1939.
Insecticides and fungicides. Central Chemical Corporation of Maryland. 365,918; Mar. 21; Serial No. 412,437; published Jan. 10, 1939.
Insecticides and fungicides. General Chemical Company. 365,891; Mar. 21; Serial No. 412,132; published Jan. 10, 1939.
Laxative. Premo Pharmaceutical Laboratories, Inc. 365,912; Mar. 21; Serial No. 412,357; published Jan. 3, 1939.
Laxatives, analgesics, diuretics, and antipyretics. Alle-Rhume Remedy Company. 365,895; Mar. 21; Serial No. 412,167; published Jan. 3, 1939.
Lotion, Medical. F. Freeman. 365,993; Mar. 21.
Lotion, Skin. A. M. Donnelly. 365,937; Mar. 21; Serial No. 412,699; published Jan. 10, 1939.
Materials for textile fibres and fabrics made therefrom, Treatment. Soluol Corporation. 365,888; Mar. 21; Serial No. 412,010; published Jan. 3, 1939.
Medicament. Lafayette Pharmacal Inc. 365,821; Mar. 21; Serial No. 408,741; published Jan. 10, 1939.
Medicament containers. Johann Schmidt K. G. 365,847; Mar. 21; Serial No. 410,487; published Jan. 10, 1939.
Medicinal preparation. Harrower Laboratory, Inc. 365,924; Mar. 21; Serial No. 412,553; published Jan. 10, 1939.
Medicinal preparation. P. Kachurin. 365,890; Mar. 21; Serial No. 412,102; published Jan. 10, 1939.
Medicinal preparation. Schering Corporation. 365,921; Mar. 21; Serial No. 412,466; published Dec. 27, 1938.
Medicinal preparation. R. N. Takaki. 365,843; Mar. 21; Serial No. 410,315; published Jan. 10, 1939.
Medicinal tonic bitters. J. Di Santo. 365,837; Mar. 21; Serial No. 409,840; published Jan. 10, 1939.
Medicines, Proprietary. S. H. Miller & Company. 365,906; Mar. 21; Serial No. 412,299; published Dec. 27, 1938.
Mercury triple distilled from scrap amalgam. R. E. Tuttle. 365,877; Mar. 21; Serial No. 411,915; published Jan. 3, 1939.
Oil fortified with vitamin D, Fish liver. Abbott Laboratories. 365,899; Mar. 21; Serial No. 412,205; published Jan. 10, 1939.
Oil for X-ray diagnosis and iodine medication, Iodized and chlorinated. G. D. Searle & Co. 365,991; Mar. 21.
Oils for use in the industrial arts. Reichhold Chemicals Inc. 365,855; Mar. 21; Serial No. 411,182; published Jan. 3, 1939.
Ointment. P. Bruno. 365,992; Mar. 21.
Ointments. Sheffield Company. 365,974; Mar. 21.
Perfume and cologne. Prims, Inc. 365,844; Mar. 21; Serial No. 410,338; published Jan. 3, 1939.
Perfumes. Lucien Lelong, Inc. 365,886; Mar. 21; Serial No. 411,999; published Jan. 10, 1939.
Perfumes and cosmetic creams. Lentheric, Incorporated. 365,928; Mar. 21; Serial No. 412,608; published Dec. 27, 1938.
Perfumes and cosmetic creams. Lentheric, Incorporated. 365,933; Mar. 21; Serial No. 412,646; published Dec. 27, 1938.
Perfumes, cologne, and toilet water. Maison Jeurelle-Seventeen, Inc. 365,808; Mar. 21; Serial No. 407,320; published Sept. 6, 1938.
Pharmaceutical preparations. San Antonio Drug Co. 126,204; renewed July 29, 1939.
Pickling salts. Gesellschaft für Pökelsalze Inh. M. H. Seifert. 365,805; Mar. 21; Serial No. 406,757; published Jan. 3, 1939.
Pills, Liver. Carter Products, Inc. 365,840; Mar. 21; Serial No. 409,909; published Dec. 20, 1938.
Powder, Antiseptic foot. L. R. Moore. 365,979; Mar. 21.
Powder, Face. Bourjois, Inc. 365,854; Mar. 21; Serial No. 411,079; published Dec. 27, 1938.
Powder for killing fleas and lice. Royal Pet Products Co. 365,976; Mar. 21.
Powders and medicated greaseless skin creams, Antiseptic deodorant. M. P. Minter. 365,970; Mar. 21; Serial No. 413,272; published Jan. 10, 1939.

Preparation for athlete's foot and other similar ailments. S. P. Lazarus. 365,863; Mar. 21; Serial No. 411,610; published Jan. 3, 1939.
Preparation for coughs. A. Bernardini. 365,916; Mar. 21; Serial No. 412,405; published Jan. 10, 1939.
Preparation for gall bladder, bile duct, and liver disturbances. Paul Plessner Company. 365,887; Mar. 21; Serial No. 412,007; published Dec. 27, 1938.
Preparation for relieving irritation of the stump of a limb supported on an artificial limb. J. Spiliane. 365,810; Mar. 21; Serial No. 407,506; published Jan. 3, 1939.
Preparation for rheumatic pains and stiff joints. J. Joyner. 365,987; Mar. 21.
Preparation for the relief of pain. Premo Pharmaceutical Laboratories, Inc. 365,911; Mar. 21; Serial No. 412,356; published Dec. 27, 1938.
Preparation for treating hair and scalp. B. A. Salsberg. 365,975; Mar. 21.
Preparation used to aid digestion. R. C. Linderman. 365,988; Mar. 21.
Preparations for the prevention and treatment of social diseases. Nutex Company. 365,846; Mar. 21; Serial No. 410,474; published Dec. 27, 1938.
Preparation for treatment of coccidiosis, enteritis, mycosis, etc. W. F. Armstrong. 365,818; Mar. 21; Serial No. 408,526; published Sept. 27, 1938.
Preparation used as a powder base, complexion aid, and foundation for make-up. V. D. Leavin. 365,819; Mar. 21; Serial No. 408,649; published Nov. 29, 1938.
Preparation used for feminine hygiene. D. A. Gray. 365,845; Mar. 21; Serial No. 410,466; published Jan. 3, 1939.
Preparation used for printing textile materials, impregnating and coating textile fabrics. Jacques Wolf & Co. 365,828; Mar. 21; Serial No. 409,497; published Jan. 3, 1939.
Processing compound for treating cotton, wool, etc. Neva-Wet Corporation of America. 365,929; Mar. 21; Serial No. 412,612; published Jan. 10, 1939.
Prophylactic preparation. C. M. Owen, Sr. 365,881; Mar. 21; Serial No. 411,965; published Dec. 27, 1938.
Repellent, exterminator for flies, Insecticide, and germicide. S. C. Ghose. 365,973; Mar. 21.
Repellents, Dog. California Spray-Chemical Corporation. 365,864; Mar. 21; Serial No. 411,627; published Dec. 27, 1938.
Scalp toning and hair rejuvenating preparations. E. Bradley. 365,905; Mar. 21; Serial No. 412,286; published Dec. 27, 1938.
Sizing material, Textile. Hercules Powder Company. 365,889; Mar. 21; Serial No. 412,031; published Dec. 27, 1938.
Solder, toilet bowl deodorant, and dentrifices, Liquid. S. H. Kress and Company. 365,897; Mar. 21; Serial No. 412,190; published Dec. 27, 1938.
Solution and compressed tablets containing the whole vitamin B complex. Table Rock Laboratories, Inc. 365,859; Mar. 21; Serial No. 411,348; published Dec. 27, 1938.
Suppositories, Rectal. L. I. Weiner. 365,876; Mar. 21; Serial No. 411,847; published Jan. 3, 1939.
Tablets to be taken internally, and ampules for injection. National Drug Company. 365,858; Mar. 21; Serial No. 411,339; published Dec. 27, 1938.
Toilet preparations. F. Denney. 365,850; Mar. 21; Serial No. 410,951; published Dec. 27, 1938.
Tonic, General. Elvita Research Laboratories, Inc. 365,922; Mar. 21; Serial No. 412,548; published Jan. 10, 1939.
Tonic, stomachic stimulant; alterative and tonic blood purifier; etc. L. A. Paparelli. 365,807; Mar. 21; Serial No. 407,157; published Jan. 3, 1939.
Tonics, General. J. R. Dupuy. 365,865; Mar. 21; Serial No. 411,629; published Dec. 27, 1938.
Vanity case containing rouge. Lentheric, Incorporated. 365,823; Mar. 21; Serial No. 409,273; published Dec. 27, 1938.
Vitamin preparation. Upjohn Company. 365,913; Mar. 21; Serial No. 412,362; published Jan. 10, 1939.
Wall paper remover and cleaner. Oyez Chemical Company. 365,907; Mar. 21; Serial No. 412,303; published Dec. 27, 1938.
Water repellent. Protection Products Mfg. Co. 365,946–7; Mar. 21; Serial Nos. 412,870–1; published Jan. 10, 1939.
Water softener. Sears, Roebuck and Co. 365,782; Mar. 21; Serial No. 398,065; published Dec. 27, 1938.

CLASS 8

Pipes. Kaufmann Bros. & Bondy, Inc. 365,932; Mar. 21; Serial No. 412,644; published Jan. 10, 1939.

CLASS 11

Duplicating fluid. Standard Mailing Machines Company. 365,780; Mar. 21; Serial No. 397,487; published Nov. 29, 1938.

CLASS 12

Roofing and sheathing and building-paper, Felt. Barrett Company. 124,501; renewed Feb. 25, 1939.

CLASS 13

Couplings, Swivel joint hose. W. Murad. 365,995; Mar. 21.
Screw anchors, Fibre. Rawlplug Company. 365,794–6; Mar. 21; Serial Nos. 404,415–17; published Jan. 10, 1939.

CLASS 14

Silver in granular form. J. V. Magee. 365,829; Mar. 21; Serial No. 409,578; published Dec. 20, 1938.
Steel in the form of rods, bars, etc. Arthur Balfour & Company Limited. 124,661; renewed Mar. 11, 1939.

CLASS 15

Lubricants. Keystone Lubricating Company. 126,173; renewed July 29, 1939.
Oils, paraffin, gasolene, etc., Lubricating and burning. Sun Company. 124,943; renewed Mar. 25, 1939.

CLASS 16

Oil, Painting and graining. James B. Sipe & Co. 16,542; re-renewed Apr. 30, 1939.
Paint. Frank Bownes Company. 365,984; Mar. 21.
Wax and polish, Automobile. C. Burrell. 365,787; Mar. 21; Serial No. 401,323; published Nov. 29, 1938.

CLASS 19

Airplanes and structural parts thereof. Bell Aircraft Corporation. 365,869; Mar. 21; Serial No. 411,734; published Jan. 10, 1939.
Fender cover or protector of cloth or the like, Removable flexible automobile. Stafast. 265,983; Mar. 21.

CLASS 21

Broiler, cooker, toaster, baker, Electric combination. Associated Electrical Appliance Co. 365,826; Mar. 21; Serial No. 409,380; published Jan. 10, 1939.
Electric generator apparatus, Wind-driven. Parris-Dunn Corporation. 365,777; Mar. 21; Serial No. 389,849; published June 15, 1937.
Electric toasters, electric sandwich toasters, electric room heaters, etc. Knapp-Monarch Company. 365,784; Mar. 21; Serial No. 398,907; published Jan. 25, 1938.
Electrical apparatus and machines and accessories. Black & Decker Manufacturing Company. 365,870; Mar. 21; Serial No. 411,735; published Jan. 10, 1939.
Lamp bases, Portable electric. A. Soriano. 365,936; Mar. 21; Serial No. 412,674; published Jan. 10, 1939.
Motors, Electric. Dynamatic Corporation. 365,866; Mar. 21; Serial No. 411,630; published Jan. 10, 1939.

CLASS 22

Badminton shuttlecocks. Bauer's Shuttles, Inc. 365,802; Mar. 21; Serial No. 406,276; published Jan. 10, 1939.
Figures and pictures, Mechanical. J. H. Hewlett. 365,839; Mar. 21; Serial No. 409,879; published Jan. 10, 1939.
Game. A. W. Byrne. 365,965; Mar. 21; Serial No. 413,180; published Jan. 10, 1939.
Game card holders and blanks for a game of chance. G. J. Halton. 365,851; Mar. 21; Serial No. 410,958; published Nov. 29, 1938.
Game of chance. H. L. Harvey. 365,956; Mar. 21; Serial No. 413,014; published Jan. 10, 1939.
Fishing rods, fishing reels, golf clubs, etc. American Fork & Hoe Company. 365,954; Mar. 21; Serial No. 412,994; published Jan. 10, 1939.
Play sets including ball and bat. Sponge Rubber Products Company. 365,963; Mar. 21; Serial No. 413,157; published Jan. 10, 1939.
Poker set. H. S. Borden. 365,930; Mar. 21; Serial No. 412,622; published Jan. 10, 1939.
Toy soldiers and pistols and games played by means of such outfits, Outfits of. Milton Bradley Company. 126,189; renewed July 29, 1939.

CLASS 23

Air-drills. Chicago Pneumatic Tool Company. 124,677; renewed Mar. 11, 1939.
Apparatus for industrial dehydration, desiccation, and dehumidification of air, gases, or vapors. Acticarbone Corporation. 365,938; Mar. 21; Serial No. 412,747; published Jan. 10, 1939.
Bottle filling and capping machinery, and bottle cappers and decappers. Cherry-Burrell Corporation. 365,996; Mar. 21.
Bottle washing machinery. Cherry-Burrell Corporation. 365,997–8; Mar. 21.
Cleaners, Vacuum. W. C. Reed. 365,811; Mar. 21; Serial No. 407,689; published Oct. 4, 1938.
Conveyors for articles and materials, Endless. National Engineering Company. 365,838; Mar. 21; Serial No. 409,849; published Jan. 10, 1939.
Cutlery, machinery, and tools, and parts thereof. Union Twist Drill Co. 126,223; renewed July 29, 1939.
Cutting machines, Lumber. De Walt Products Corporation. 365,815; Mar. 21; Serial No. 408,236; published Dec. 20, 1938.
Instruments for shaving and for removing hair from the body, Electrically operated. American Safety Razor Corporation. 365,853; Mar. 21; Serial No. 411,046; published Jan. 10, 1939.
Knives. H. L. Fischer. 365,862; Mar. 21; Serial No. 411,571; published Jan. 10, 1939.
Razor blades. International Safety Razor Corporation. 365,861; Mar. 21; Serial No. 411,456; published Jan. 10, 1939.

Screens for use in machines for bolting, purifying, and sifting all kinds of ground products. R. J. S. Carter. 365,797; Mar. 21; Serial No. 404,980; published Nov. 1, 1938.

CLASS 24

Apparatus for washing hosiery, lingerie, and like articles. Scholler Brothers, Inc. 365,798; Mar. 21; Serial No. 405,668; published Jan. 10, 1939.

CLASS 26

Apparatus for the recording of temperature and humidity, etc. O. F. Hevener. 365,927; Mar. 21; Serial No. 412,600; published Jan. 10, 1939.
Cameras. K & S Sales Co. 365,925; Mar. 21; Serial No. 412,554; published Jan. 10, 1939.
Computers for liquid dispensing apparatus. Veeder-Root Incorporated. 365,874; Mar. 21; Serial No. 411,803; published Jan. 10, 1939.
Instruments and controls. White-Rodgers Electric Company. 365,781; Mar. 21; Serial No. 397,492; published Jan. 10, 1939.
Photographic enlarging apparatus. Optikotechna spoločnost s r. o. 365,935; Mar. 21; Serial No. 412,663; published Jan. 10, 1939.

CLASS 27

Timers, Interval. Sessions Clock Company. 365,978; Mar. 21.
Watches. Bulova Watch Company. 365,926; Mar. 21; Serial No. 412,587; published Jan. 10, 1939.

CLASS 28

Jewelry. I. J. C. Holland. 365,989; Mar. 21.

CLASS 29

Squeegee. W. J. Dennis & Company. 365,801; Mar. 21; Serial No. 406,213; published Jan. 10, 1939.

CLASS 31

Refrigerators. Santiago Development Corporation. 365,967; Mar. 21; Serial No. 413,201; published Jan. 10, 1939.

CLASS 32

Furniture. Artistic Furniture Mfg. Co. 365,857; Mar. 21; Serial No. 411,264; published Jan. 10, 1939.
Furniture and novelty tables and desks, Dining and bedroom. Reaser Furniture Company. 365,958; Mar. 21; Serial No. 413,030; published Jan. 10, 1939.
Pillows. J. C. Penney Company. 365,962; Mar. 21; Serial No. 413,138; pubished Jan. 10, 1939.
Rockers, Platform. Northwest Chair Company. 365,957; Mar. 21; Serial No. 413,025; published Jan. 10, 1939.
Shades, and shade rollers, Mounted and window. Columbia Mills, Inc. 366,004; Mar. 21.
Shades, window shades, and shade rollers, Mounted. Columbia Mills, Inc. 365,949; Mar. 21; Serial No. 412,900; published Jan. 10, 1939.
Springs, studio couches, and mattresses, Bed and box. Premier Bed & Spring Company. 365,968–9; Mar. 21; Serial Nos. 413,243–4; published Jan. 10, 1939.

CLASS 34

Burners, Automatic coal. Iron Fireman Manufacturing Company. 365,982; Mar. 21.
Flashlights and lanterns using fuel. H. T. Schiff. 365,931; Mar. 21; Serial No. 411,969; published Jan. 10, 1939.
Heaters, condensers, etc., Feed-water. Row & Davis, Engineers, Inc. 124,883; renewed Mar. 18, 1939.
Lights and generators, Acetylene. National Carbide Corporation. 365,825; Mar. 21; Serial No. 409,326; published Jan. 10, 1939.
Signals, Fire hydrant reflecting. Lacey R. Blackman Mfg. Co. 365,793; Mar. 21; Serial No. 404,076; published Jan. 10, 1939.

CLASS 35

Belting. Hewitt Rubber Corporation. 365,896; Mar. 21; Serial No. 412,184; published Jan. 10, 1939.
Belts, radiator hose, and generator couplings. Fan. American Brake Shoe and Foundry Company. 365,909; Mar. 21; Serial No. 412,321; published Dec. 20, 1938.
Frictional elements for brakes and clutches. American Brake Shoe and Foundry Company. 365,908; Mar. 21; Serial No. 412,320; published Dec. 20, 1938.
Gaskets, pipe linings and annular packing elements, Pipe. B. F. Goodrich Company. 365,786; Mar. 21; Serial No. 400,371; published Mar. 8, 1938.
Hose constructed of rubber and fabric, Various types of. Continental Supply Company. 365,875; Mar. 21; Serial No. 411,823; published Jan. 10, 1939.
Packings, flax packings, brake linings, etc., Asbestos. Keasbey & Mattison Company. 365,950; Mar. 21; Serial No. 412,908; published Jan. 10, 1939.
Tires, Pneumatic. Pennsylvania Rubber Company. 365,966; Mar. 21; Serial No. 413,194; published Jan. 10, 1939.
Tubes for oil filter connections. Fleming Manufacturing Company. 365,959; Mar. 21; Serial No. 413,068; published Jan. 10, 1939.

CLASS 36

Harmonicas. M. Hohner, Inc. 365,945; Mar. 21; Serial No. 411,864; published Jan. 10, 1939.
Musical instruments. William Frank Company. 365,799; Mar. 21; Serial No. 405,923; published Jan. 10, 1939.

CLASS 37

Notebooks, blank books, and writing paper. Rockwell-Barnes Company. 365,948; Mar. 21; Serial No. 412,872; published Jan. 10, 1939.
Paper for container-liner. Bogalusa Paper Company. 125,894; renewed July 8, 1939.
Paper, Wet-strength. H. P. Smith Paper Company. 365,986; Mar. 21.
Tissue, Toilet. Diamond Match Company. 365,878; Mar. 21; Serial No. 411,948; published Jan. 10, 1939.

CLASS 38

Books, booklets, pamphlets, and manuals, Printed. Aetna Life Insurance. 125,013; renewed Apr. 8, 1939.
Trade journal. Atlas Publishing Co. 125,284; renewed May 6, 1939.

CLASS 39

Boots and shoes. Walter Booth Shoe Company. 365,842; Mar. 21; Serial No. 410,287; published Nov. 22, 1938.
Boots and shoes. E. E. Taylor Company. 126,096; renewed July 22, 1939.
Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 365,848; Mar. 21; Serial No. 410,660; published Dec. 13, 1938.
Underwear, Cotton-mesh. Ideal Linen Mesh Company. 124,723; renewed Mar. 11, 1939.

CLASS 40

Laces and braids, Shoe. A. J. Andrews. 365,860; Mar. 21; Serial No. 411,441; published Jan. 3, 1939.
Needles, Crochet. Boye Needle Company. 125,895; renewed July 8, 1939.

CLASS 42

Cotton crash toweling and towels. Boott Mills. 126,184; renewed July 29, 1939.
Cotton drills. Boott Mills. 126,185; renewed July 29, 1939.
Cotton piece goods. M. Lowenstein & Sons, Inc. 365,934; Mar. 21; Serial No. 412,649; published Jan. 10, 1939.
Fabrics. N. Erlanger, Blumgart & Co. Inc. 365,977; Mar. 21.
Fabrics, Pile. Collins & Aikman Corporation. 365,779; Mar. 21; Serial No. 394,125; published Dec. 13, 1938.
Fabrics, Textile. Lorraine Manufacturing Company. 365,785; Mar. 21; Serial No. 400,239; published Jan. 10, 1939.
Silk fabrics, Artificial. Roth Fabrics Corporation. 365,894; Mar. 21; Serial No. 412,157; published Jan. 10, 1939.
Towels, towelling, sheets, etc. J. B. M. Y. A. D. de Beublain. 365,809; Mar. 21; Serial No. 407,460; published Dec. 13, 1938.
Woolen and worsted piece goods. D. W. Farnsworth. 366,001; Mar. 21.
Woolen goods. S. Stein & Co. 365,985; Mar. 21.
Woolen material, Woven. Best & Co. 365,883; Mar. 21; Serial No. 411,985; published Jan. 10, 1939.
Woolen materials, Woven. Best & Co. 365,900; Mar. 21; Serial No. 412,213; published Jan. 10, 1939.

CLASS 44

Dental plate relining preparation. R. A. Hoag. 365,804; Mar. 21; Serial No. 406,450; published Jan. 10, 1939.
Dentures, dental supplies. Nu-Dent Porcelain Studio Inc. 365,789; Mar. 21; Serial No. 403,055; published Jan. 10, 1939.
Medical equipment for producing hyperemia. Sutherland Manufacturing Company. 365,820; Mar. 21; Serial No. 408,665; published Jan. 10, 1939.
Sanitary napkins. W. D. Young. 365,783; Mar. 21; Serial No. 398,696; published Jan. 10, 1939.

CLASS 45

Beverage, or an orange concentrate or syrup for making the same, Orange. D. D. Stratos. 365,852; Mar. 21; Serial No. 409,749; published Jan. 10, 1939.
Juice, Grape. National Grape Corporation. 365,941; Mar. 21; Serial No. 412,778; published Jan. 10, 1939.

CLASS 46

Avocados, Fresh. J. S. Gross. 365,931; Mar. 21; Serial No. 412,638; published Jan. 10, 1939.
Cakes. Ward Baking Company. 125,689; renewed June 3, 1939.
Canned food products. Riverbank Canning Company. 365,920; Mar. 21; Serial No. 412,463; published Jan. 10, 1939.
Canned fruits. Sunset Fruit Co. 365,882; Mar. 21; Serial No. 411,975; published Jan. 10, 1939.
Canned unsweetened evaporated milk. White House Milk Products Co. 124,494; renewed Feb. 18, 1939.
Canned vegetables and fruits, coffee, and spices. Miner, Read & Tullock. 126,190; renewed July 29, 1939.
Canned tuna fish. Shield Foods, Inc. 365,898; Mar. 21; Serial No. 412,203; published Jan. 10, 1939.

Canned vegetables. Central Wisconsin Canneries. 365,971; Mar. 21.
Coffee. John E. King Coffee Co. 124,727; renewed Mar. 11, 1939.
Confections and ice cream, Frozen. Rourico Corporation. 365,893; Mar. 21; Serial No. 412,155; published Jan. 10, 1939.
Corn, Popping. American Pop Corn Company. 125,926; renewed July 15, 1939.
Crackers. Bremner Bros. 365,955; Mar. 21; Serial No. 412,999; published Jan. 10, 1939.
Fish. Davis Bros. Fisheries Inc. 125,287; renewed May 6, 1939.
Fish. Davis Bros. Fisheries Inc. 125,332; renewed May 13, 1939.
Fish. Davis Bros. Fisheries Inc. 125,626; renewed June 3, 1939.
Flavoring and garnishing and topping preparations. Nesbitt Fruit Products, Inc. 365,803; Mar. 21; Serial No. 406,349; published Jan. 10, 1939.
Flour, Wheat. Goerz Flour Mills Co. 124,453; renewed Feb. 18, 1939.
Flour, Wheat. Lewiston Milling Co. 125,348; renewed May 13, 1939.
Flour, Wheat. Washburn Crosby Co. 125,597–9; renewed May 27, 1939.
Flour, Wheat. Washburn Crosby Co. 125,690–2; renewed June 3, 1939.
Fruits, grapes, melons, and vegetables. M. Antonellie. 365,917; Mar. 21; Serial No. 412,427; published Jan. 10, 1939.
Nuts, candy, and chocolate coated nuts, Salted. Awful Fresh MacFarlane. 365,822; Mar. 21; Serial No. 408,887; published Jan. 10, 1939.
Oatmeal and rolled oats, Steam-cooked. H-O Company. 125,343; renewed May 13, 1939.
Syrup, pickles, and peanut butter, Table. W. B. Roddenbery Co. 365,864; Mar. 21; Serial No. 409,782; published Nov. 29, 1938.
Tea, coffee, rice. Berdan Company. 124,812; renewed Mar. 18, 1939.

CLASS 48

Beer. Camden County Beverage Company. 365,972; Mar. 21.
Beer and ale. Horlacher Brewing Company. 365,939; Mar. 21; Serial No. 412,765; published Jan. 10, 1939.
Compound for ale and beer, Beverage-clearing. Whitehurst Research Corporation. 365,836; Mar. 21; Serial No. 409,794; published Jan. 10, 1939.
Compound for use in ale and beer, Head production and retention. Whitehurst Research Corporation. 365,835; Mar. 21; Serial No. 409,793; published Jan. 10, 1939.

CLASS 49

Whiskey. Merchants Distilling Corporation. 365,960–1; Mar. 21; Serial Nos. 413,131–2; published Jan. 10, 1939.
Whiskey. Old Heaven Hill Springs Distillery, Incorporated. 365,953; Mar. 21; Serial No. 412,981; published Jan. 10, 1939.
Whiskey. Hiram Walker & Sons Inc. 365,964; Mar. 21; Serial No. 413,164; published Jan. 10, 1939.
Whisky, Scotch. William Greer & Co. Limited. 365,952; Mar. 21; Serial No. 412,970; published Jan. 10, 1939.

CLASS 50

Compositions for sealing containers. Dewey and Almy Chemical Company. 365,944; Mar. 21; Serial No. 412,803; published Jan. 10, 1939.
Ladders. Moulton Ladder Manufacturing Co. 366,002–3; Mar. 21.
Novelties, metal specialties, and advertising displays, Woodfiber. Protectoseal Company of America, Inc. 365,800; Mar. 21; Serial No. 406,150; published Jan. 10, 1939.

LIST OF LABELS

Ants' Eggs. For Desiccated Formacine Eggs, Cocoons. S. Abernathy. 52,665; Mar. 21.
Black Leaf 40. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation (Incorporated). 52,688; Mar. 21.
Black Leaf 40 Nicotine Sulphate. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation (Incorporated). 52,689; Mar. 21.
Black Leaf 155. For an Effective and Non-Caustic Spray for Codling Moth Control. Tobacco by-Products & Chemical Corporation (Incorporated). 52,690; Mar. 21.
C and H Sugar Pure Cane Light Brown. For Sugar. California and Hawaiian Sugar Corporation. 52,669; Mar. 21.
Carlita Styles. For Cartons. Bird & Son, Inc. 52,667; Mar. 21.
Clothtex. For Bathroom Tissue. Ragland Potter & Co., 52,680; Mar. 21.
Dad's P. A. P. For Laxative Wheat-Food to be Balanced with Milk and Fruit. A. J. Thomas. 52,687; Mar. 21.
Doc Beans—Past-E-Fasul. For a Food Prepared from Beans with Tomato Sauce. A. A. Salamitro. 52,681; Mar. 21.
Fine Arts—Spectrum Opaque Water Color. For Opaque Water Colors. Harter Publishing Company. 52,673; Mar. 21.
Gerber's Strained Carrots. For Strained Carrots. Fremont Canning Company. 52,670; Mar. 21.
Grennan Fresh Banana Flips. For Banana Flips. Grennan Bakeries, Incorporated. 52,671; Mar. 21.
Heileman's Old Style Lager Beer. For Lager Beer. G. Heileman Brewing Co. 52,674; Mar. 21.
Hoffman Tom Collins Mixer. For Tom Collins Mixer with a Pure Lemon Juice Base. Hoffman Beverage Company. 52,675; Mar. 21.
Johnson's Carnu. For a Car Finish Restorer. S. C. Johnson & Son, Inc. 52,676; Mar. 21.
Melster's "Cherrie". For Bar Candy. Melster Candy Company. 52,678; Mar. 21.
Morris Mansion. For Coffee. Sorver, McEvoy & Co. 52,685; Mar. 21.
Plantation Waffle Mix. For a Waffle Mix. W. S. Werner. 52,692; Mar. 21.
Rux Cold Tablets. For Cold Tablets. L. Burnstein. 52,668; Mar. 21.
Snider Diced Beets. For Canned Diced Beets. Snider Packing Corporation. 52,682; Mar. 21.
Snider Peas and Carrots. For Canned Peas and Carrots. Snider Packing Corporation. 52,683; Mar. 21.
Snider Whole Kernel Golden Bantam Corn. For Canned Golden Bantam Corn. Snider Packing Corporation. 52,684; Mar. 21.
Stop Spot. For a Cleaning Fluid. Union Oil Company of California. 52,691; Mar. 21.
Tissuetint Denture Metal. For Denture Metal. C. J. Grossman. 52,672; Mar. 21.
Tru-Blu Old Fashioned. For Beer. Northampton Brewery Corporation. 52,679; Mar. 21.
Water-Boatmen (Corixidae). For Water-Boatmen (Corixidae). S. E. Abernathy. 52,666; Mar. 21.
Whities. For Candy-Coated Gum. Morton Kozek and B. Periswelg. 52,677; Mar. 21.
Wind-O-Kleen. For a Cleaner for Cleaning and Polishing all Glass Surfaces and Wind-Shields. M. L. Swimmer. 52,686; Mar. 21.

LIST OF PRINTS

Pad-Hesion. For Abdominal Belts. L. A. Fritsch. 17,278; Mar. 21.
Vest Pocket Blotter. For Paper Cups. Mono Service Co. 17,279; Mar. 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

De Stubner, Emile C., New York, N. Y. Processing finely divided solids. Re. 21,032; Mar. 21.
Eastman Kodak Company. (See Karg, Josef, assignor.)
Hirche, Willy, Leopoldshain, near Gorlitz, assignor, by mesne assignments, to E. Rothenberg, Berlin, Germany. Refrigerator. Re. 21,033; Mar. 21.
Karg, Josef, Vienna, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic exposure control. Re. 21,034; Mar. 21.
Rothenberg, E. (See Hirche, Willy, assignor.)

LIST OF PLANT PATENTEES

Baur, Adolphe F. J., assignor to Baur-Steinkamp and Company, Incorporated, Indianapolis, Ind. Carnation. 319; Mar. 21.
Baur-Steinkamp and Company. (See Baur, Adolphe F. J., assignor.)

LIST OF DESIGN PATENTEES

Agostineto, Giacomo, Trout Creek, Mich. Knife. 113,829; Mar. 21.
Albe Lamp & Shade Co. (See Kurzac, Jean, assignor.)
American Floor Surfacing Machine Company, The. (See Wolfe, R. E., and Kneisley, assignors.)
Anderson, Einar A., Hammond, Ind. Velocipede frame member. 113,861; Mar. 21.
Ansel, Frank E., Brooklyn, N. Y. Combined bottle and stopper therefor. 113,862; Mar. 21.
Atlantic Products Corporation. (See Cart, Theodore S., assignor.)
Auñero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater casing. 113,863; Mar. 21.
Baldwin Company, The. (See Day, Wilbur M., assignor.)
Barr, Harry, Fairlawn, N. J., assignor to Duchess Fabrics, Inc., New York, N. Y. Elastic textile fabric. 113,901; Mar. 21.
Berman, Louis J., New York, N. Y. Handbag. 113,830; Mar. 21.
Blumenthal, Alexander E., Pittsburgh, Pa. Combined lamp and air circulator. 113,831; Mar. 21.
Breitman, Abraham, New York, N. Y. Suit ensemble. 113,953; Mar. 21.
Bright Star Battery Company. (See Desimone, Anthony J., assignor.)
Brown, H. H., Shoe Company. (See Cowen, Rawson R., assignor.)
Buckingham, Charles W. (See Gardella, A. J., and Buckingham.)
Buffalo Jewelry Case Co. Inc. (See Sundee, John R., assignor.)
Carr-Lowrey Glass Company. (See Kohl, William R., assignor.)
Carr-Lowrey Glass Company. (See Leach, Walter R., assignor.)
Cart, Theodore S., Princeton, assignor to Atlantic Products Corporation, Trenton, N. J. Card table cover. 113,902; Mar. 21.
Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or similar articles. 113,903; Mar. 21.
Chernow, Michael, Brooklyn, N. Y. Alphabet for forming monograms or similar articles. 113,904; Mar. 21.
Christen, Marcel, New York, N. Y. Textile fabric or similar article. 113,954; Mar. 21.
Christenson, Trace, Jr. (See Tefft, I. D., Christenson, and Hoople.)
Ciccone, Elizabeth M., New York, N. Y. Redingote. 113,905; Mar. 21.
Cincinnati Time Recorder Company, The. (See Hand, Thomas L., assignor.)
Coleman, Tora, New York, N. Y. Dress. 113,942; Mar. 21.
Coleman, Tora, New York, N. Y. Dress. 113,943; Mar. 21.
Cowen, Rawson R., Waban, assignor to H. H. Brown Shoe Company, Inc., Worcester, Mass. Shoe sole. 113,890; Mar. 21.
Crosley Radio Corporation, The. (See Tyzzer, Howard J., assignor.)
Cross, Thomas M., assignor to D. J. Saltman, Southgate, Calif. Divan. 113,832; Mar. 21.
Dansk, Simon, Santa Monica, Calif. Electric facial mask. 113,926; Mar. 21.
Davenport, Vernon A., Seattle, Wash. Card-table cover. 113,927; Mar. 21.
Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 113,833; Mar. 21.
Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 113,834; Mar. 21.
Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 113,835; Mar. 21.
Dean, John R., Buffalo, N .Y. Jewelry box. 113,928; Mar. 21.
Dentz, Thomas J., New York, assignor to Janssen Piano Co., Inc., Brooklyn, N. Y. Piano case. 113,891; Mar. 21.
Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 113,864; Mar. 21.
Dixon, Albert W., Sarasota, Fla. Oyster plate. 113,836; Mar. 21.
Doane, Leroy C., Meriden, assignor to The Sight Light Corporation, Essex, Conn. Luminaire. 113,837; Mar. 21.
Dowd, Bernard J., and H. J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Mask for a typewriting machine. 113,892; Mar. 21.
Duchess Fabrics, Inc. (See Barr, Harry, assignor.)
Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)
E. A. Laboratories, Inc. (See Auñero, John M., assignor.)
Engel, Alice, New York, N. Y. Dress. 113,906; Mar. 21.
Everedy Company, The. (See Hutcheson, Ray R., assignor.)
Flatow, Ralph, New York, N. Y. Textile fabric. 113,955; Mar. 21.
Fletcher, Tommy H., Hollywood, Calif. Walking cane. 113,865; Mar. 21.
Formfit Company, The. (See Kunstadter, Sigmund W., assignor.)
Freedman, Ruth, New York, N. Y. Brassière bodice. 113,893; Mar. 21.
Gardella, Anthony J., and C. W. Buckingham, Chicago, Ill. Automobile radio aerial. 113,907; Mar. 21.
Groeniger, William C., Columbus, Ohio. Defecator. 113,838; Mar. 21.
Hacmac, Edward R., Hollywood, Calif., assignor to Na-Mac Products Company. Combined dispenser and closure for a container. 113,894; Mar. 21.
Hand, Thomas L., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Meat slicing machine or similar article. 113,839; Mar. 21.
Harris, Herbert M., New York, N. Y. Dress. 113,944; Mar. 21.
Hart, Henry J. (See Dowd, B. J., and Hart.)
Heitner, William, New York, N. Y. Coat. 113,932; Mar. 21.
Heitner, William, New York, N. Y. Coat. 113,933; Mar. 21.
Heitner, William, New York, N. Y. Coat. 113,934; Mar. 21.
Heitner, William, New York, N. Y. Coat. 113,935; Mar. 21.
Heitner, William, New York, N. Y. Coat. 113,936; Mar. 21.
Helander, Lillian V. M., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 113,866; Mar. 21.
Helfman, Nathan, New York, N. Y. Dress. 113,908; Mar. 21.
Herman, Edward W. (See Teague, Walter D. and W. D., Jr., and Herman.)

Hickok Manufacturing Company. (See Valsey, Harold C., assignor.)
Hines, Richard K., New York, N. Y. Display container for golf balls and tees. 113,840; Mar. 21.
Holyoke Card & Paper Company. (See von Ehrn, Carl W., assignor.)
Hoople, Warner W. (See Tefft, I. D., Christenson, and Hoople.)
Horowitz, Jack, New York, N. Y. Textile fabric. 113,909; Mar. 21.
Horowitz, Jack, New York, N. Y. Textile fabric. 113,910; Mar. 21.
Horowitz, Jack, New York, N. Y. Textile fabric. 113,911; Mar. 21.
Horowitz, Jack, New York, N. Y. Textile fabric. 113,912; Mar. 21.
Horowitz, Jack, New York, N. Y. Textile fabric. 113,956; Mar. 21.
Hutcheson, Ray R., assignor to The Everedy Company, Frederick, Md. Tray. 113,841; Mar. 21.
Hutchison, William E., Atlanta, Ga. Holder for pocketbooks, gloves, and the like. 113,895; Mar. 21.
International Silver Company. (See Helander, Lillian V. M., assignor.)
Janssen Piano Co. (See Dentz, Thomas J., assignor.)
Jobst, Conrad, assignor to The Owens Staple-Tied Brush Company, Toledo, Ohio. Nail brush. 113,842; Mar. 21.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bandeau or similar article. 113,843; Mar. 21.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Comb or similar article. 113,844; Mar. 21.
Karstadt, Clarence, assignor to Sears, Roebuck and Co., Chicago, Ill. Pump. 113,845; Mar. 21.
Karstadt, Clarence, assignor to Sears, Roebuck and Co., Chicago, Ill. Pump. 113,846; Mar. 21.
Kleppner, Otto, New York, N. Y. Ice crusher. 113,847; Mar. 21.
Kneisley, Richard F. (See Wolfe, R. E., and Kneisley.)
Kohl, William R., New York, N. Y., assignor to Carr-Lowrey Glass Company, Baltimore, Md. Bottle. 113,867; Mar. 21.
Kranz, Philip, and A. P. Schmid, assignors to B. Wilmsen, Philadelphia, Pa. Christmas tree ornament. 113,848; Mar. 21.
Kunstadter, Sigmund W., assignor to The Formfit Company, Chicago, Ill. Girdle. 113,868; Mar. 21.
Kurzac, Jean, assignor to Albe Lamp & Shade Co., Philadelphia, Pa. Lamp shade. 113,913; Mar. 21.
Langbaum, Maurice, Brooklyn, N. Y. Mirror lamp or similar article. 113,929; Mar. 21.
Langbaum, Maurice, Brooklyn, N. Y. Bed lamp or similar article. 113,945; Mar. 21.
Lange, Morris, Cleveland, Ohio. Draped partition or similar article. 113,930; Mar. 21.
Leach, Walter R., assignor to Carr-Lowrey Glass Company, Baltimore, Md. Bottle. 113,869; Mar. 21.
Lewis, Florence N., New York, N. Y. Handbag. 113,849; Mar. 21.
Lorden, Edwin L., assignor to W. Nathanson, Los Angeles, Calif. Radio or phonograph cabinet grille or similar article. 113,870; Mar. 21.
Ludwig, Louis, Brooklyn, N. Y. Lamp. 113,850; Mar. 21.
Mac Dee Company. (See McDonald, Herman M., assignor.)
Mandelbaum, Arthur S., New York, N. Y. Textile fabric. 113,957; Mar. 21.
Marrera, Philip C., Chicago, Ill. Grille guard. 113,871; Mar. 21.
McCarthy, Eugene J., assignor to A. G. Walton & Co., Inc., Chelsea, Mass. Shoe sole. 113,851; Mar. 21.
McDonald, Herman M., Evanston, Ill., assignor to Mac Dee Company. Shorts or similar article. 113,896; Mar. 21.
Meyer, Albert C., Glenshaw, Pa. Glass bottle. 113,872; Mar. 21.
Michelson, Margaret, New York, N. Y. Dress. 113,873; Mar. 21.
Miller, Robert J., Chicago, Ill. Pot cover cabinet. 113,874; Mar. 21.
Minkoff, Edward, New York, N. Y. Coat. 113,937; Mar. 21.
Mirsky, Israel, New York, N. Y. Swim suit. 113,914; Mar. 21.
Miyaki, Shozo, Honolulu, Hawaii. Perfume bottle. 113,875; Mar. 21.
Morgan, Jay A., Chicago, Ill. Combined time conversion chart and indoor radio aerial. 113,931; Mar. 21.
Moure, Ramiro, New York, N. Y. Die or the like. 113,876; Mar. 21.
Na-Mac Products Company. (See Macmac, Edward R., assignor.)
Nathanson, William. (See Lorden, Edwin L., assignor.)
National Cash Register Company, The. (See Teague, Walter D. and W. D., Jr., and Herman, assignors.)
Nichols, Wallace H. (See Rand, H. J., and Nichols.)
Nisenson, Jules, assignor to Unit Venetian Blind Supply Co., New York, N. Y. Tilter for Venetian blinds or similar article. 113,897; Mar. 21.
Nisenson, Jules, assignor to Unit Venetian Blind Supply Co., New York, N. Y. Venetian blind cord lock or similar article. 113,898; Mar. 21.
Owens Staple-Tied Brush Company, The. (See Jobst, Conrad, assignor.)
Parker Pen Company, The. (See Tefft, I. D., Christenson, and Hoople, assignors.)
Parnis, Jerry, New York, N. Y. Dress. 113,915; Mar. 21.
Persons, Lawrence M., St. Louis County, Mo. Dispensing machine cabinet. 113,899; Mar. 21.
Perugia, Andre, Paris, France. Shoe or similar article. 113,877; Mar. 21.
Pharo, William E., East Orange, N. J. Beach chair. 113,852; Mar. 21.
Philippe, Alfred, New York, N. Y. Necklace. 113,938; Mar. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 113,939; Mar. 21.
Philippe, Alfred, New York, N. Y. Bracelet. 113,940; Mar. 21.
Philippe, Alfred, New York, N. Y. Pin clip. 113,946; Mar. 21.
Pink, Berry, New York, N. Y. Pocket calendar. 113,878; Mar. 21.
Ragan, Mike, Los Angeles, Calif. Fingernail bowl. 113,853; Mar. 21.
Rand, Henry J., New York, N. Y., and W. H. Nichols, Westfield, N. J., assignors to Remington Rand Inc., Buffalo, N. Y. Electric razor. 113,854; Mar. 21.
Remington Rand Inc. (See Rand, H. J., and Nichols, assignors.)
Rogers, Sam T., Washington, D. C. Airship. 113,879; Mar. 21.
Rogers, Sam T., Washington, D. C. Airship. 113,880; Mar. 21.
Rogers, Sam T., Washington, D. C. Airship. 113,881; Mar. 21.
Royal Typewriter Company. (See Dowd, B. J., and Hart, assignors.)
Ruchman, Albert, New York, N. Y. Dress. 113,916; Mar. 21.
Ruchman, Albert, New York, N. Y. Dress. 113,917; Mar. 21.
Ruchman, Albert, New York, N. Y. Dress. 113,918; Mar. 21.
Ruchman, Albert, New York, N. Y. Dress. 113,919; Mar. 21.
Ruchman, Albert, New York, N. Y. Dress. 113,920; Mar. 21.
Saltman, David J. (See Cross, Thomas M., assignor.)
Sanders, Altina, New York, N. Y. Spectacle frame. 113,882; Mar. 21.
Saville Perfumery Limited. (See West, David, assignor.)
Schiffmann, Robert P., Chicago, Ill. Game board. 113,883; Mar. 21.
Schmid, Albert P. (See Kranz, P., and Schmid.)
Schoen, Elizabeth, New York, N. Y. Hat. 113,921; Mar. 21.
Sears, Roebuck and Co. (See Karstadt, Clarence, assignor.)
Seiler, Herman, Chicago, Ill. Door knocker. 113,884; Mar. 21.
Shell, Elizabeth, Festus, Mo. Dress. 113,947; Mar. 21.
Shelton, Hannah C., New York, N. Y. Dress ensemble. 113,948; Mar. 21.
Shelton, Hannah C., New York, N. Y. Dress ensemble. 113,949; Mar. 21.
Shelton, Hannah C., New York, N. Y. Dress. 113,950; Mar. 21.
Shelton, Hannah C., New York, N. Y. Dress. 113,951; Mar. 21.
Sight Light Corporation, The. (See Doane, Leroy C., assignor.)
Simpson, Wesley, New York, N. Y. Textile fabric. 113,922; Mar. 21.
Sklar, Samuel B., New York, N. Y. Pedate vibrator. 113,855; Mar. 21.
Smith, Claire K., Brooklyn, N. Y. Serving platter or similar article. 113,856; Mar. 21.
Spear, Harry B., Cradock, Va. Passenger vessel. 113,885; Mar. 21.
Sundee, John R., assignor to Buffalo Jewelry Case Co. Inc., Buffalo, N. Y. Jewelry box. 113,857; Mar. 21.
Teague, Walter D., Jr. (See Teague, Walter D. and W. D., Jr., and Herman.)
Teague, Walter D. and W. D., Jr., New York, N. Y., and E. W. Herman, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 113,900; Mar. 21.
Tefft, Ivan D., Janesville, Wis., and T. Christenson, Jr., and W. W. Hoople, Chicago, Ill., assignors to The Parker Pen Company, Janesville, Wis. Bottle. 113,858; Mar. 21.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 113,923; Mar. 21.
Tyzzer, Howard J., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Radio set. 113,924; Mar. 21.
Unit Venetian Blind Supply Co. (See Nisenson, Jules, assignor.)
Valsey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Alphabet letters for forming monograms. 113,958; Mar. 21.
Van Cott, Kenneth, New York, N. Y. Combined bracelet and memo pad. 113,859; Mar. 21.
Von Ehrn, Carl W., assignor to Holyoke Card & Paper Company, Springfield, Mass. Decorative paper. 113,925; Mar. 21.

Walton, A. G., & Co. (See McCarthy, Eugene J., assignor.)
Warshaw, Samuel M., New York, N. Y. Shirt. 113,886; Mar. 21.
West, David, Dalegarth, Woodwaye, Oxhey, Watford, assignor to Saville Perfumery Limited, Watford, England. Combined perfume container and support therefor. 113,887; Mar. 21.
Wilcox, Ralph R., Jr., Alhambra, Calif. Tricycle. 113,888; Mar. 21.
Wilmsen, Bernard. (See Kranz, P., and Schmid, assignors.)
Wolfe, Robert E., and R. F. Kneisley, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Surfacing machine. 113,860; Mar. 21.
Zell, David H., Brooklyn, N. Y. Coin bank. 113,889; Mar. 21.
Zimmerman, Samuel, New York, N. Y. Coat. 113,941; Mar. 21.
Zimmerman, Samuel, New York, N. Y. Suit. 113,952; Mar. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. D. S. Corp. (See Bierbach, Carl F., assignor.)
Acker, George H., Shaker Heights, assignor to The Cleveland Worm & Gear Company, Cleveland, Ohio. Valve control. 2,151,176; Mar. 21.
Acker, George H., Shaker Heights, assignor to The Cleveland Worm & Gear Company, Cleveland, Ohio. Valve control unit. 2,151,493; Mar. 21.
Ackley, Allan A., and C. H. Angell, Mount Prospect, Ill. Construction of buildings. 2,150,898; Mar. 21.
Actiengesellschaft Joh. Jacob Rieter & Cie. (See Hess, Otto H., assignor.)
Ades, Lewis B., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Machine tool. 2,151,291; Mar. 21.
Agahd, Walter. (See von Bleichert, Wolfram, assignor.)
Agfa Ansco Corporation. (See Eggert, J., and Luft, assignors.)
Aguinik, Walter, et al. (See Janzen, Otto, assignor.)
Ainsworth, George, New York, N. Y. Luminous bowl electric lighting fixture. 2,151,309; Mar. 21.
Air-Maze Corporation. (See Glanzer, Clarence J., assignor.)
Ajax Electrothermic Corporation. (See Kennedy, Theodore R., assignor.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Weight counter-balancing mechanism for the magazines of matrix composing and line casting machines. 2,151,366; Mar. 21.
Albright, Cora C., Akron, Colo. Bobbie pin bracket. 2,150,957; Mar. 21.
Aldridge, Blair G., and E. G. Ragatz, assignors to Union Oil Company of California, Los Angeles, Calif. Distillation. 2,151,310; Mar. 21.
Alexander, Arthur H., San Pedro, Calif. Boat construction. 2,150,958; Mar. 21.
Alexander, Henry L., Niagara Falls, N. Y., H. I. du Pont, Rockland, Del., and W. B. Foulke, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of and apparatus for isolating minerals. 2,151,578; Mar. 21.
Alexander, Henry L., Wilmington, H. I. du Pont, Rockland, Del., and W. B. Foulke, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of and apparatus for isolating minerals. 2,150,899; Mar. 21.
Alexander, Taylor, Los Angeles, Calif. Dispenser. 2,151,064; Mar. 21.
Alexander, William H., Klamath Falls, Oreg. Folding reach. 2,151,343; Mar. 21.
Alkaliwerke Westergeln G. m. b. H. (See Gewecke, Fritz, assignor.)
Allegemeine Elektricitatz Gesellschaft. (See Klutke, Fritz, assignor.)
Allen, Charles H., Independence, Mo. Traction fixation appliance for facial bones. 2,151,458; Mar. 21.
Alley, Russel E., assignor of one-third to F. N. Earl, Austin, and one-third to B. J. Porter, Albert Lea, Minn. Automatic control for vehicle headlights. 2,150,900; Mar. 21.
Allison, Donald K., Beverly Hills, Calif., assignor to Detracolor Ltd. Photographic film and treating same. 2,151,065; Mar. 21.
Allison, George W., St. Albans, N. Y., assignor to Mergenthaler Linotype Company. Justifying spaceband. 2,151,367; Mar. 21.
Alt, Wolfgang. (See Guenther, F., Haussmann, and Alt.)
Aluminum Company of America. (See Glensky, William E., assignor.)
Aluminum Company of America. (See Hill, Thomas M., assignor.)
Aluminum Company of America. (See Laing, Richard R., assignor.)
Aluminum Company of America. (See Rowe, Howard J., assignor.)
Alvine, Samuel, Newark, N. J., assignor to Remington Rand Inc., Buffalo, N. Y. Tabulator drive control. 2,151,177; Mar. 21.
American Bakers Machinery Company. (See Russell, Charles L., assignor.)
American Cyanamid Company. (See Christmann, L. J., and Jayne, assignors.)
American Electric Fusion Corporation. (See von Henke, Edmund J., assignor.)
American Fork & Hoe Company, The. (See Withington, Winthrop, assignor.)
American Forging & Socket Company. (See Saunders, W. S., and McGregor, assignors.)
American Machine & Foundry Company. (See Fincke, Donald M., assignor.)

American Machine & Foundry Company. (See Podmore, Arthur, assignor.)
American Optical Company. (See Goddu, Lloyd W., assignor.)
American Optical Company. (See Rowe, Louis F., assignor.)
American Pad & Textile Company, The. (See Thomas, Harold S., assignor.)
American Railway Products Co. (See Cooke, George T., assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Rolling Mill Company, The. (See Millan, E. N., and Hudson, assignors.)
American Security Company, The. (See Clitherow, William, assignor.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
Andersen, Bjorn, Maplewood, and A. F. Caprio, Madison, N. J., assignors to Celluloid Corporation. Esters of polyglycols and their ethers and compositions containing the same. 2,151,311; Mar. 21.
Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Control system. 2,151,178; Mar. 21.
Anderson, Robert H., Clifton, Bristol, England. Article for structural and other purposes. 2,151,066; Mar. 21.
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid fuel control for burners. 2,151,001; Mar. 21.
Andres, Lloyd J., Chicago, Ill., and G. A. Magruder, Grand Rapids, Mich., assignors to Automatic Instrument Company. Electric robot phonograph. 2,151,260; Mar. 21.
Andresen, Halvor T. H., Oslo, Norway. Arrangement in sail sheets. 2,151,368; Mar. 21.
Andrew, Vaughn L., Superior, Wis. Power pump unit. 2,151,067; Mar. 21.
Angell, Charles H. (See Ackley, A. A., and Angell.)
Angiada, Domingo, Bronx, assignor to Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y. Illuminating and safety lamp. 2,151,179; Mar. 21.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Chicago, Ill. Conservation venting device and flame arrester. 2,151,180; Mar. 21.
Appell, Gunnard, Des Moines, Iowa. Vehicle coupling. 2,151,181; Mar. 21.
Arlotti, Guido, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del. Hammered metal finish. 2,151,312; Mar. 21.
Arness, William B., Baltimore, Md. Rustless iron. 2,150,901; Mar. 21.
Arnold, Carl, Nuremberg, Germany. Mechanical toy in the form of a soldier throwing a hand-grenade. 2,151,546; Mar. 21.
Arnold, Harold W., and P. Rolland Austin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. N-cyclopentylamides of carboxylic acids. 2,151,369; Mar. 21.
Asahina, Yasuhiko, Tokyo, Japan. Preparing a new tetralin derivative. 2,151,370; Mar. 21.
Asahina, Yasuhiko, Tokyo, Japan. Preparing acyl derivatives of tetralylquinol. 2,151,371; Mar. 21.
Ashley, Frank M., Great Kills, Staten Island, N. Y., assignor to L. Gompers, as trustee. Pipe for smoking tobacco. 2,151,002; Mar. 21.
Askania-Werke A. G. (See Becker, Ewald, assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Atlantic Refining Company, The. (See Roberts, Oscar L., assignor.)
Atlantic Service Company. (See Schaefer, Adolph O., assignor.)
Atlas, Murray L., Teaneck, N. J. Dish rack. 2,151,068; Mar. 21.
Atlas Powder Company. (See Ariotti, Guido, assignor.)
Auerbach, Rudolf, Neuenhagen, near Berlin, Germany, assignor to General Electric Company. Production of disperse gases in liquids. 2,151,547; Mar. 21.
Austin, Paul R. (See Arnold, H. W., and Austin.)
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Automatic Instrument Company. (See Andres, L. J., and Magruder, assignors.)
Avalo, Pedro R. (See Llach, H., and Avalo.)
Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Babcock & Wilcox Company, The. (See Miller, Benjamin H., assignor.)

Back, Robert, assignor to The Wahl Company, Chicago, Ill. Decorative tubular article of pyroxylin or the like. 2,151,548; Mar. 21.
Bacon, Leonard B., East Brunswick, Victoria, Australia. Indicating device for indicating the level of liquid in containers. 2,151,579; Mar. 21.
Bagno, Samuel, and M. Posner, New York, N. Y. Cathode ray oscilloscope. 2,151,313; Mar. 21.
Bahr, William F., Glen Ullin, N. Dak. Fuel pump. 2,151,069; Mar. 21.
Baker, Albert L., Summit, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Temperature measuring device. 2,151,648; Mar. 21.
Ball, Alpheus M., Newark, assignor to Hercules Powder Company, Wilmington, Del. Restoring the stability of deteriorated smokeless powder. 2,151,494; Mar. 21.
Ball, Harvey W., assignor to The Morgan Engineering Company, Alliance, Ohio. Charging machine. 2,151,003; Mar. 21.
Barclay, William L., Arlington, Va. Retractable water propeller for airships. 2,151,004; Mar. 21.
Bargen, William J., Waukegan, Ill. Article of furniture. 2,150,903; Mar. 21.
Barnard, Ray, St. Louis, Mo. Applying adhesives. 2,151,344; Mar. 21.
Barnes Engineering (Pty.) Ltd. (See Cameron, John G., assignor.)
Bartles, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplification control circuit. 2,151,070; Mar. 21.
Bartholomaus, Adolf, administrator. (See Hentrich, W., Lainau, and Kaiser.)
Bartlett, Leland D., Santa Rita, N. Mex. Recovering metal values. 2,151,261; Mar. 21.
Bateman, Ernest. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Bateman, William T., special administrator. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for covering heels. 2,151,005; Mar. 21.
Beck, George C., Spokane, Wash. Piston expander. 2,151,071; Mar. 21.
Becker, Ewald, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. Diaphragm cell actuator. 2,150,904; Mar. 21.
Becker, Howard L., Schenectady, N. Y., assignor to General Electric Company. Aircraft landing equipment. 2,151,549; Mar. 21.
Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Television transmitter. 2,151,072; Mar. 21.
Beemer, Elias A. W., Langstaff, Ontario, assignor of one-half to M. H. Blandin, Toronto, Ontario, Canada. Seeding apparatus. 2,151,414; Mar. 21.
Beese, Norman C., Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminescent discharge lamp and coating therefor. 2,151,496; Mar. 21.
Beggs, James E., and W. E. Birchard, Schenectady, N. Y., assignors to General Electric Company. Electric discharge apparatus. 2,151,580; Mar. 21.
Beglinger, Edward. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Beisler, Walter H., Towson, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating composition. 2,151,006; Mar. 21.
Belcher, Walter E., assignor to Electrical Safety Appliance Co. Inc., Seattle, Wash. Electric toaster. 2,151,401; Mar. 21.
Belgan, Robert C., Miami, Fla. Internal combustion manifold system. 2,150,905; Mar. 21.
Belknap, Joel R., South Charlestown, W. Va. Device for separating carbonaceous materials. 2,151,007; Mar. 21.
Bell Telephone Laboratories, Incorporated. (See Christensen, C. J., Goucher, and Wehe, assignors.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See King, A. P., and Bowen, assignors.)
Bell Telephone Laboratories, Incorporated. (See Schelkunoff, Sergei A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Belluche, Frank R., Racine, Wis. Sheet separator. 2,151,073; Mar. 21.
Bemis Bro. Bag Co. (See Pierce, Robert E., assignor.)
Bender, David V., Youngstown, Ohio. Disclosing solution. 2,151,495; Mar. 21.
Bendix Aviation Corporation. (See Mauer, Paul H., assignor.)
Bendix Aviation Corporation. (See McGrath, William L., assignor.)
Bennetch, David S., Sheridan, Pa. Hydraulic transmission. 2,151,415; Mar. 21.
Bennett, Charles A. (See Gaus, G. E., and Bennett.)
Bentz, George B., Bronx, N. Y. Bathtub seat attachment. 2,151,581; Mar. 21.
Benziger, Jake U. (See Logan, J. T., Richardson, Cooper, and Benziger.)
Beregh, Theodore J., Patchogue, N. Y. Valve actuator. 2,151,074; Mar. 21.
Berger, Arthur, Oberturkheim, near Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Fluid power transmission. 2,151,075; Mar. 21.
Bergström, Roar H., Halmstad, Sweden. Tool holder. 2,150,959; Mar. 21.
Bertel, Charles A., New Orleans, La. Apparatus for handling bales and the like. 2,150,960; Mar. 21.
Betzler, Martin, Neuruppin, Germany, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Discharge horn for nonconducting fluids. 2,151,076; Mar. 21.
Bierbach, Carl F., assignor of thirty per cent to J. F. Malley and thirty per cent to G. Massom, Newark, N. J. Direction indicating device for motor vehicles. 2,150,906; Mar. 21.
Bierbach, Carl F., Newark, N. J., assignor to A. D. S. Corp. Direction indicating device for motor vehicles. 2,150,907; Mar. 21.
Birchard, Wayne E. (See Beggs, J. E., and Birchard.)
Bird & Son, Inc. (See Bradley, J. J., Jr., and Seekins, assignors.)
Birdsall, Albert L., assignor to Keeler Brass Company, Grand Rapids, Mich. Handle for furniture and the like. 2,151,182; Mar. 21.
Birdseye, Clarence, and P. Deren, Gloucester, Mass., assignors to Birdseye Electric Company, Dover, Del. Making reflecting lamps. 2,151,649; Mar. 21.
Birdseye Electric Company. (See Birdseye, C., and Deren, assignors.)
Black & Decker Manufacturing Company, The. (See Preston, Henry C., assignor.)
Black, James J., assignor to The Trailer Company of America, Cincinnati, Ohio. Trailer or truck chassis and body. 2,151,633; Mar. 21.
Black, Julian P., Los Angeles, and H. C. Stroebel, Whittier, Calif. Perforation cleaner. 2,151,416; Mar. 21.
Blair, Charles M. (See Carruthers, T. F., and Blair.)
Blandin, Murray H. (See Beemer, Elias A. W., assignor.)
Block, David J., Minnetka, Ill. Stable brewed decaffeinized coffee and producing the same. 2,151,582; Mar. 21.
Blount, William H., assignor of one-half to Sleeper & Hartley, Incorporated, Worcester, Mass. Power driving mechanisms. 2,151,417; Mar. 21.
Brockmühl, Max, G. Ehrhart, and L. Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Derivatives of 3,4-dihydroxyphenylaminopropanols. 2,151,459; Mar. 21.
Bolté, Brown, Orange, assignor to Scott & Bowne, Bloomfield, N. J. Powder applicator. 2,151,418; Mar. 21.
Bolte, Theodore H., Kearney, Nebr. Inner-tube tester. 2,151,497; Mar. 21.
Bonis, Caesar, Brooklyn, N. Y. Fur sewing machine. 2,151,345; Mar. 21.
Borel, Onésime. (See Dietrich, T., and Borel.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Callsen, A., and Weiss, assignors.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Weiss, Adolf, assignor.)
Bostwick, William E., Philadelphia, Pa. Alternating current motor. 2,151,460; Mar. 21.
Bouvier, George A., Chicago, and E. W. Larsen, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,151,077; Mar. 21.
Bouvier, George A., Minneapolis, Minn., and E. J. Crane, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Engraving machine. 2,151,078; Mar. 21.
Bowen, Arnold E. (See King, A. P., and Bowen.)
Bowen, William S., Westfield, N. J. Sewage disposal system. 2,151,079; Mar. 21.
Bowman, John M. (See Grimditch, W. H., Bowman, and Glaser.)
Bowser, S. F., & Company. (See Griffith, Clement P., assignor.)
Boyson, B. Herbert. (See Boyson, B. Richard and B. H.)
Boyson, B. Richard, Lynn, and B. H. Boyson, West Boylston, Mass. Edge-setting machine. 2,151,498; Mar. 21.
Bradley, Jacob J., Quakertown, Pa. Heat utilizing appliance for ranges. 2,151,262; Mar. 21.
Bradley, John J., Jr., East Walpole, and B. L. Seekins, Norwood, assignors to Bird & Son, Inc., East Walpole, Mass. Film applicator. 2,151,183; Mar. 21.
Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Duplicating apparatus. 2,151,080; Mar. 21.
Brash, Alfred. (See Oyston, William R., assignor.)
Breisch, Edgar W., Lancaster, N. Y., assignor to National Battery Company, St. Poul, Minn. Post sealing device for storage battery cells. 2,151,650; Mar. 21.
Brickman, Alan E., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Making rail bonds. 2,151,292; Mar. 21.
Briggs Manufacturing Company. (See Platz, Henry T., assignor.)
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward M., assignor.)
Brinkerhoff, George E., Washington, D. C. Type and method and apparatus for producing the same. 2,151,583; Mar. 21.

Britton, Edgar C., and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Purification of methanol. 2,151,461; Mar. 21.
Brockway Motor Company. (See Piroumoff, G. S., and Cross, assignors.)
Brown, Francis H., Ridley Park, assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa. Stoker. 2,150,908; Mar. 21.
Bruce, Charles E., Marshalltown, Iowa. Eraser cleaner. 2,151,372; Mar. 21.
Buchanan, John H., Ames, Iowa, assignor, by mesne assignments to Corn Products Refining Company, New York, N. Y. Dextrose solution. 2,151,499; Mar. 21.
Buchner, Arthur A., assignor to Chrysler Corporation, Detroit, Mich. Adjustable seat. 2,151,419; Mar. 21.
Buell, Roy C., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 2,151,550; Mar. 21.
Buffalo Electro-Chemical Company. (See Hansen, Erich, assignor.)
Buffalo Eelectro-Chemical Company. (See Kauffmann, H. O., and Wolfe, assignors.)
Bugatti, Jean, Molsheim, France. Testing apparatus applicable mainly to parts of aircraft. 2,151,584; Mar. 21.
Bulpit, Harry C., and S. S. Holden, assignors to S. S. Holden Limited, Ottawa, Ontario, Canada. Sleeping robe. 2,151,462; Mar. 21.
Burch, Carl E., Seattle, Wash. Air compressor. 2,151,402; Mar. 21.
Burger, Joseph, Forest Hills, N. Y. Shoe heel. 2,151,314; Mar. 21.
Burke, Ethelyn M., Fond du Lac, Wis. Playground swing. 2,151,403; Mar. 21.
Burkholder, Alden H. (See Kline, H. B., Knebusch, and Burkholder.)
Burns, Walter, et al. (See Eastin, Rollie R., assignor.)
Burns, William, et al. (See Eastin, Rollie R., assignor.)
Burwell, Elvin C., Los Angeles, Calif., assignor, by mesne assignments, to The Evanston Company. Mixed paint. 2,151,184; Mar. 21.
Buxbaum, Bertold, Berlin, Germany. Mineral oil. 2,151,585; Mar. 21.
Buxbaum, Edwin C., Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Arylamino-aryloxy-hydroxy-anthraquinones. 2,151,634; Mar. 21.
Bystricky, Joseph. (See Thomas, G. F., and Bystricky.)
C-O-Two Fire Equipment Company. (See Betzler, Martin, assignor.)
Callsen, Albert, Stuttgart-Botnang, and A. Weiss, Marbach-on-the-Neckar, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung. Starting arrangement for internal combustion engines. 2,151,463; Mar. 21.
Cameron, John G., Newstead, Brisbane, Queensland, assignor to Barnes Engineering (Pty.) Ltd., Newstead, Queensland, Australia. Carbonating water and beverages. 2,151,586; Mar. 21.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,151,008; Mar. 21.
Campbell, Robert A., Los Angeles, Calif. Oil burner. 2,150,909; Mar. 21.
Canal National Bank of Portland, The. (See Chaplin, Merle P., assignor.)
Capra, Frank, et al. (See Walker, Joseph B., assignor.)
Caprio, Amerigo F. (See Andersen, B., and Caprio.)
Carbide and Carbon Chemicals Corporation. (See Carruthers, T. F., and Blair, assignors.)
Cardox Corporation. (See Cavanagh, William C., assignor.)
Carlson, Wendell L., and V. D. Landon, Haddonfield, N. J., assignors to Radio Corporation of America. Multiplex receiving system. 2,151,081; Mar. 21.
Carruthers, Thomas F., South Charleston, and C. M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Esters of glycol monoesters and acylated hydroxy acids. 2,151,185; Mar. 21.
Carry-Pack Corporation. (See Dalebrook, Charles M., assignor.)
Carvel, Richard, New York, N. Y. Concrete wall section. 2,151,420; Mar. 21.
Casablancas, Fernando, assignor to Casablancas High Draft Co., Ltd., Manchester, England. Mechanism for imparting false twist to textile rovings. 2,151,263; Mar. 21.
Casablancas High Draft Co. (See Casablancas, Fernando, assignor.)
Cassileth, Lee H. (See Cassileth, Morris A., assignor.)
Cassileth, Morris A., assignor of one-half to L. H. Cassileth, Brooklyn, N. Y. Door handle lock. 2,151,587; Mar. 21.
Castator, Jesse B., et al. (See Eastin, Rollie R., assignor.)
Castator, Loretta, et al. (See Eastin, Rollie R., assignor.)
Cavanagh, William C., Washington, Pa., assignor to Cardox Corporation. Cleaning out slag or cinder pockets of open hearth heating furnaces. 2,151,264; Mar. 21.
Cecil, William, New York, N. Y. Fruit juice extractor. 2,151,500; Mar. 21.
Celanese Corporation of America. (See Moncrieff, R. W., and Hill, assignors.)
Celanese Corporation of America. See Page, R., and Thomas, assignors.)
Celluloid Corporation. (See Andersen B., and Caprio, assignors.)
Century Oxford Manufacturing Corp. (See Vitolo, Louis, assignor.)
Chace, Thomas B., assignor to The Dole Valve Company, Chicago, Ill. Circulating cooling system for internal combustion engines. 2,151,082; Mar. 21.
Chadwick, Fletcher, assignor to Preston Tyre Fabric Manufacturing Company Limited, Higher Walton, Preston, England. Tire fabric. 2,151,186; Mar. 21.
Champion Corporation. (See Knoerzer, Otto, assignor.)
Chaplin, Merle P., South Portland, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine. Pulp article and manufacture. 2,150,910; Mar. 21.
Chapman, Everett, Coatesville, Pa. Rolling mill housing. 2,150,911; Mar. 21.
Chemische Fabrik Grünau, Landshoff & Meyer A. G. (See Sommer, F., and Nassau, assignors.)
Chikson Oil Tool Company. (See Ellingsen, Frank, assignor.)
Christensen, Carl J., Flushing, N. Y., F. S. Goucher, Short Hills, and H. G. Webe, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microphonic material. 2,151,083; Mar. 21.
Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler firebox. 2,151,009; Mar. 21.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilized rotenone compositions. 2,151,651; Mar. 21.
Christopher, Daniel E., Chicago, Ill. Electric photometer. 2,151,187; Mar. 21.
Chrysler Corporation. (See Buchner, Arthur A., assignor.)
Chrysler Corporation. (See Houk, Addison R., assignor.)
Chrysler Corporation. (See Janeway, Robert N., assignor.)
Chrysler Corporation. (See Lord, Charles S., assignor.)
Chrysler Corporation. (See Neeson, Charles R., assignor.)
Chrysler Corporation. (See Neracher, Carl A., assignor.)
Clapp, Lewis J., Michigan City, Ind., assignor to Sullivan Machinery Company. Air compressor. 2,150,912; Mar. 21.
Clark Equipment Company. (See Spatta, George, assignor.)
Clark, Harry A., Detroit, Mich. Necktie. 2,151,188; Mar. 21.
Clark Thread Company, The. (See Taylor, W. H., and Kershaw, assignors.)
Clausen, Holger V., Bucaramanga, Colombia. Safety razor. 2,151,265; Mar. 21.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrical generating system. 2,151,373; Mar. 21.
Cleveland Worm & Gear Company, The. (See Acker, George H., assignor.)
Clitherow, William B., St. Helens, England, assignor to The American Securit Company, Washington, D. C. Apparatus for tempering glass. 2,151,266; Mar. 21.
Coddington, Lloyd, assignor to Continental Machine Specialties, Inc., Minneapolis, Minn. Variable speed transmission mechanism. 2,151,189; Mar. 21.
Colomy, Roy H., Springdale, Conn. Cigarette dispenser. 2,151,315; Mar. 21.
Coney, Arthur F., assignor, by mesne assignments, to Star-Service Hanger Company, Detroit, Mich. Garment hanger cover. 2,151,011; Mar. 21.
Coney, James D., assignor to Star-Service Hanger Company, Detroit, Mich. Garment hanger. 2,151,012; Mar. 21.
Coney, James D., assignor to Star-Service Hanger Company, Detroit, Mich. Shield for garment hangers. 2,151,013; Mar. 21.
Continental Machine Specialties, Inc. (See Coddington, Lloyd, assignor.)
Cook, Frank L., South Bend, Ind. Chain pipe wrench. 2,151,268; Mar. 21.
Cooke, George T., Norwalk, assignor to American Railway Products Co., Inc., Darien, Conn. Cotter pin locking device. 2,151,316; Mar. 21.
Cooke, Horace B., Arlington, Va., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Manufacture of stabilized motor fuel. 2,151,374; Mar. 21.
Cooper, Robert J. (See Logan, J. T., Richardson, Cooper, and Benziger.)
Copeman, Lloyd G., Flint, Mich. Bird shelter. 2,151,010; Mar. 21.
Corcoran, James L., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Valve. 2,151,501; Mar. 21.
Cord-Away Mfg. Co. (See Ogle, John P.)
Corn Products Refining Company. (See Buchanan, John H., assignor.)
Corn Products Refining Company. (See Hagen, Carl, assignor.)
Corning Glass Works. (See Mattoon, Deo R., assignor.)
Corning Glass Works. (See Pascucci, Emilio, assignor.)
Cowan, Roysel J., assignor to Surface Combustion Corporation, Toledo, Ohio. Producing a composite carbide and nitride case on steel articles. 2,151,190; Mar. 21.

Crane, Edward J. (See Bouvier, G. A., and Crane.)
Crane, Merrell L., and G. W. Fisher, assignors to L. J. West, Chicago, Ill. Typewriter. 2,151,191; Mar. 21.
Cross, Lester L. (See Piroumoff, G. S., and Cross.)
Crosser, David H., Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowoc, Wis. Flower and candle holder. 2,151,192; Mar. 21.
Crown Cork & Seal Company. (See Beisler, Walter H., assignor.)
Cupery, Martin E., and D. M. McQueen, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning. 2,150,961; Mar. 21.
Curl, Fred H., assignor of one-half to A. E. Kullander, Des Moines, Iowa. Apparatus for casting finger rings. 2,150,962; Mar. 21.
Curtis Companies Incorporated. (See Madsen, Sern, assignor.)
Curtis, Richard C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Restricted frequency transmission. 2,151,464; Mar. 21.
Curtiss, Frank L., Lodi, Ohio. Safety device for vehicles. 2,151,014; Mar. 21.
Cutler-Hammer, Inc. (See Krieger, Alvin R., assignor.)
Cutter Laboratories. (See Winegarden, Howard M., assignor.)
Dahlqvist, Karl E. (See Mattsson, N. S. A., and Dahlqvist.)
Daimler-Benz Aktiengesellschaft. (See Berger, Arthur, assignor.)
Dalebrook, Charles M., assignor to Carry-Pack Corporation, Chicago, Ill. Shoe bag. 2,151,465; Mar. 21.
Davey, Cecil F., Los Angeles, Calif. Compound jack. 2,151,421; Mar. 21.
Davis, Roy S., Hollywood, Calif. Machine for making egg box fillers. 2,151,015; Mar. 21.
Dayton Rubber Manufacturing Company, The. (See Freedlander, Abraham L., assignor.)
Dayton Rubber Mfg. Company, The. (See Freedlander, A. L., and Ritzert, assignors.)
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Furnace. 2,151,386; Mar. 21.
De Ganahl, Carl, assignor to Fleetwings, Inc., Bristol, Pa. Closed section welder. 2,151,422; Mar. 21.
Deibel, Cyril P., Lakewood, Ohio. Dry cell battery unit. 2,151,193; Mar. 21.
De Liso, Ralph, Brooklyn, N. Y. Lasting shoes. 2,150,892; Mar. 21.
De Loe, Edgar B. (See Towne, L. J., and De Loe.)
De Mask, Martin J., Pittsfield, Mass. Barrier for bus ducts. 2,150,963; Mar. 21.
Dentists' Supply Company of New York, The. (See Whittemore, Winthrop C., assignor.)
Deremer, Floyd E., Detroit, Mich. Silencer. 2,151,084; Mar. 21.
Deren, Pincus. (See Birdseye, C., and Deren.)
Desormeaux, Frank, Forest Park, Ill. Electrode mount. 2,151,194; Mar. 21.
Detracolor Ltd. (See Allison, Donald K., assignor.)
Detroit Moulding Corporation. (See Shaw, Charles P., assignor.)
Detroit Steel Products Company. (See Randall, W. C., and Kelly, assignors.)
Dettwyler, William, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the anthraquinone series. 2,151,635; Mar. 21.
Deutsche Erdol-Aktiengesellschaft. (See Schick, Friedrich, assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Jaeger, Gustav, assignor.)
De Voe, Adaline R., Ridgewood, N. J. Bedsheet. 2,151,375; Mar. 21.
Devoe, Albert H., Westfield, N. J., assignor to Talon, Inc. Sewing machine. 2,151,346; Mar. 21.
De Voe, George E., Grand Rapids, and V. E. Mark, assignors to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 2,151,195; Mar. 21.
Dewas, Raymond, Amiens, France. Needle weaving loom. 2,151,085; Mar. 21.
Dibble, Barry. (See Tschudy, W., and Halliday, assignors.)
Dicke, Robert H., Rochester, N. Y. Clock system. 2,151,317; Mar. 21.
Dietrich, Théodore, and O. Borel, Geneva, Switzerland, assignors to Landis & Gyr, A-G. Registering mechanism. 2,151,086; Mar. 21.
Dietze, Reinhold, Goeschwitz, Germany. Heat exchange apparatus. 2,151,087; Mar. 21.
Dillon, Lyle. (See Subkow, P., and Dillon.)
Dillon, Lyle, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oil. 2,151,318; Mar. 21.
Dinglerwerke Aktiengesellschaft. (See Halle, Kurt, assignor.)
Diot, Edouard L., Neuilly-sur-Seine, France. Manufacturing hollow articles formed of flexible strip material. 2,151,088; Mar. 21.
Dole Valve Company, The. (See Chace, Thomas B., assignor.)
Donley Brothers Company, The. (See Donley, George W., assignor.)
Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Fireplace construction. 2,151,016; Mar. 21.
Donnellan, Myrtle L., Chicago, Ill. Garment hanger. 2,151,502; Mar. 21.
Donner, Josef, assignor, by mesne assignments, to D. Hoffman-Donner, Vienna, Austria. Device for articles of clothing or washable undergarments. 2,151,652; Mar. 21.
Dornseif, Hugo, Radevormwald, Germany. Skate. 2,150,964; Mar. 21.
Dörrer, Johannes, Dresden, Germany. Tailor's model. 2,151,017; Mar. 21.
Doty, William J., Staten Island, N. Y. Drip tray for paint pots. 2,150,965; Mar. 21.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lamp and socket construction. 2,151,089; Mar. 21.
Dow Chemical Company, The. (See Britton, E. C., and Perkins, assignors.)
Dowst, Theodore S., Chicago, Ill. Display package. 2,151,503; Mar. 21.
Draper, Ernest E. (See Percy, C., and Draper.)
Drew, Frank L., Aberdeen, Md. Shell filling and closing machine. 2,150,913; Mar. 21.
Drill, Daniel C., assignor to American Rock Wool Corporation, Wabash, Ind. Fluid blast nozzle. 2,151,090; Mar. 21.
Dross, Rudolf A., New York, N. Y. Carrier. 2,151,293; Mar. 21.
Dubilier, Philip, assignor to Nova Electric Corporation, New York, N. Y. Electrolytic condenser. 2,151,504; Mar. 21.
Duckoff, Maxwell E., Manchester, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom construction. 2,151,018; Mar. 21.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission. 2,151,091; Mar. 21.
Dunsheath, Percy, Kent, assignor to W. T. Henley's Telegraph Works Company Limited, London, England. Electric cable system. 2,151,092; Mar. 21.
Du Pont, E. I., de Nemours & Company. (See Alexander, H. L., du Pont, and Foulke, assignors.)
Du Pont, E. I., de Nemours & Company. (See Arnold, H. W., and Austin, assignors.)
Du Pont, E. I., de Nemours & Company. (See Buxbaum, Edwin C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cupery, M. E., and McQueen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dettwyler, William, assignor.)
Du Pont, E. I., de Nemours & Company. (See Foulke, William B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Foulke, W. B., and Wills, assignors.)
Du Pont, E. I., de Nemours & Company. (See Flint, R. B., and Salzberg, assignors.)
Du Pont, E. I., de Nemours & Company. (See Harmon, Jesse, assignor.)
Du Pont, E. I., de Nemours & Company. (See Havas, Emeric, assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Alfred J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Roberts, Richard S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Smith, Frank E., assignor.)
Du Pont, E. I., de Nemours and Company. (See Sullivan, Roy W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Toole, H. S., and Hitt, assignors.)
Du Pont, Hubert I. (See Alexander, H. L., du Pont, and Foulke.)
Earl, Francis N., et al. (See Alley, Russel E., assignor.)
Eastin, Rollie R., assignor of five percent to J. C. and L. Castator, ten percent to W. Burns, ten percent to R. A. Gray, Jr., ten percent to W. Burns, and fourteen percent to R. Smith, Port Huron, Mich. Transmission mechanism. 2,151,376; Mar. 21.
Eastman Kodak Company. (See Kimble, J. S., and Palmer, assignors.)
Eastman Kodak Company. (See Palmer, Spencer E., assignor.)
Economakis, George P., Asbury Park, N. J. Candy cutting machine. 2,151,377; Mar. 21.
Economy Forms Corporation. (See Jennings, William A., assignor.)
Eggert, John, and F. Luft, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Intensifying and fluorescent screen. 2,150,966; Mar. 21.
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Stein.)
Eisen, Jay B., Yonkers, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Bottle closure. 2,151,019; Mar. 21.
Eistert, Bernd. (See Krzikalla, H., Ufer, Eistert, and Klaproth.)
Eken, Harry F., Cincinnati, Ohio. Valve. 2,151,466; Mar. 21.
Electric & Musical Industries Limited. (See Lubszynski, H. G., and McGee, assignors.)
Electric & Musical Industries Limited. (See Percival, William S., assignor.)
Electrical Safety Appliance Co. Inc. (See Belcher, Walter E., assignor.)
Electro-Mechanical Research, Inc. (See Houck, Harry W., assignor.)

Ellingsen, Frank, Bren, assignor to Chikson Oil Tool Company, Ltd., Fullerton, Calif. Pivot pin. 2,151,294; Mar. 21.

Elmendorf, Armin, Winnetka, Ill. End grain wood flooring. 2,151,505; Mar. 21.

Elsey, George W., La Grange, Ill., and C. F. Wittlinger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Welding apparatus. 2,151,378; Mar. 21.

Emerson Oil Corporation. (See Emerson, Sloan A., assignor.)

Emerson, Sloan A., assignor to Emerson Oil Corporation, Vinton, La. Pumping apparatus. 2,151,588; Mar. 21.

Emery Industries, Inc. (See Myers, Latimer D., assignor.)

Evans Products Company. (See Germonprez, John A., assignor.)

Evanston Company, The. (See Burwell, Elvin C., assignor.)

Ewald, Wolfgang F., Berlin, and K. Wilhelm, Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic frequency control circuit. 2,151,506; Mar. 21.

Ewing, Samuel C., Scotia, N. Y., assignor to General Electric Company. Control system for synchronous machines. 2,151,093; Mar. 21.

Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)

Fabrik Chemischer Praeparate Von Dr. Richard Sthamer. (See Weissenborn, Adolf, assignor.)

Falls, Olive, Chicago, Ill. Container for termites. 2,151,589; Mar. 21.

Farley Machine Works Co, The. (See Redell, W. A., and Wiley, assignors.)

Fernsch Aktiengesellschaft. (See Ruska, Ernst, assignor.)

Ferris, Robert G., Harvard, Ill., assignor to Starline, Inc. Hanger. 2,151,590; Mar. 21.

Ferris, Robert G., Harvard, Ill., assignor to Starline, Inc. Hay carrier. 2,151,591; Mar. 21.

Ferris, Seymour W., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,151,592; Mar. 21.

Ferrolene Gases, Inc. (See Ruch, Philip, assignor.)

Fikentscher, Hans, and G. Hagen, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Plastic compositions from polymerized vinyl compounds. 2,151,507; Mar. 21.

Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Temperature control device. 2,151,319; Mar. 21.

Fineke, Donald M., Great Neck, N. Y., assignor to American Machine & Foundry Company. Cooled sealer for wrapping machines. 2,151,653; Mar. 21.

Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole press. 2,150,915; Mar. 21.

Finsterwalder, Ulrich. Berlin-Wilmersdorf, Germany. Truss girder and producing the same. 2,151,267; Mar. 21.

Fiorentino, Aldo, assignor to J.-M. Heinrich and M. Nadaud, Paris, France. Device for reducing frictions in systems of the worm and nut type. 2,151,094; Mar. 21.

Fisher, Gilbert W. (See Crane, M. L., and Fisher.)

Fisher, Robert P., assignor of fifty-one per cent to R. Pageman, Los Angeles, Calif. Rotary drill bit. 2,151,347; Mar. 21.

Fisher, Robert P., assignor of fifty-one per cent to R. Pageman, Los Angeles County, Calif. Rotary drill bit. 2,151,348; Mar. 21.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Starting portable power units. 2,151,196; Mar. 21.

Fitzgerald, Thomas W., Brooklyn, assignor of one-fourth to H. Jacobson and three-eighths to L. Levy, New York, N. Y. Storage battery case. 2,151,654; Mar. 21.

Flagg, Frederick P., assignor to Waltham Watch Company, Waltham, Mass. Compensating spring and alloy for timepieces. 2,151,197; Mar. 21.

Flaker, Jacob E., Barberton, Ohio. Tool holder. 2,151,379; Mar. 21.

Flannery Bolt Company. (See Kilborn, W. T., and Landgraf, assignors.)

Fleetwings, Inc. (See de Ganahl, Carl, assignor.)

Flint, Robert B., and P. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Amides of acids of phosphorus. 2,152,380; Mar. 21.

Flygare, Carl G. (See Wood, W. H., and Flygare.)

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding wheel spindle reciprocating apparatus. 2,151,655; Mar. 21.

Flygare, Carl G., and H. A. Silven, assignors to Norton Company, Worcester, Mass. Hydraulic surface grinding machine. 2,151,637; Mar. 21.

Flygare, Carl G., and I. A. Taylor, assignors to Norton Company, Worcester, Mass. Grinding machine steady rest. 2,151,636; Mar. 21.

Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Choke fitting for steam heat pipes. 2,151,656; Mar. 21.

Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Valve. 2,151,657; Mar. 21.

Folke, Bengt E., Mamaroneck, assignor to Nathan Manufacturing Company, New York, N. Y. Injector. 21,151,658; Mar. 21.

Food Machinery Corporation. (See Stockdale, Harry C., assignor.)

Ford, Henry, assignor to Ford Motor Company, Dearborn, Mich. Internal combustion engine. 2,151,423; Mar. 21.

Ford Motor Company. (See Ford, Henry, assignor.)

Ford Motor Company. (See Galamb, Joseph, assignor.)

Forgea, Emmett G., Fort Sill, Okla. Reading glass. 2,150,916; Mar. 21.

Forni, Natale, Oakland, Calif. Garbage incinerator. 2,151,320; Mar. 21.

Foulke, Willing B. (See Alexander, H. L., du Pont, and Foulke.)

Foulke, Willing B., Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Classification system. 2,150,918; Mar. 21.

Foulke, Willing B., Media, and W. A. Mills, Frackville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process of and apparatus for separating. 2,150,917; Mar. 21.

Franklin, O. M., Serum Company. (See Stone, Edwal A., assignor.)

Franz, Frederick, West Haven, Conn. Electrically driven metronome. 2,150,967; Mar. 21.

Fredericksen, James P., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and making the same. 2,151,020; Mar. 21.

Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Packing. 2,151,096; Mar. 21.

Freedlander, Abraham L., and N. J. Ritzert, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Belt connector. 2,151,095; Mar. 21.

French & Hecht, Incorporated. (See Ploehn, John H., assignor.)

Frohman, Philip H., Washington, D. C., assignor of one-half to R. L. Taylor, Philadelphia, Pa. Electric organ. 2,151,021; Mar. 21.

Fromme, Samuel, Brooklyn, N. Y. Kite. 2,151,349; Mar. 21.

Fulton Iron Works Company. (See Hurter, H., and Kurth, assignors.)

Funk, Truman B., assignor to "Yard-Man", Inc., Jackson, Mich. Power lawn mower. 2,151,659; Mar. 21.

Gaidos, Alonzo F., Redwood City, Calif. Attachment for firearms. 2,150,914; Mar. 21.

Galamb, Joseph, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle battery construction. 2,151,424; Mar. 21.

Garbutt, Frank A. (See Hatherell, George A., assignor.)

Garden City Envelope Co. (See Roloff, Arthur L., assignor.)

Gaus, George E., Washington, D. C., and C. A. Bennett, Stoneville, Miss., dedicated to the free use of the people of the United States. Apparatus for determining the moisture content of air pervading fibrous material. 2,151,404; Mar. 21.

Gaylord Brothers, Inc. (See Grant, Chester A., assignor.)

Gear Grinding Machine Company. (See Ward, Frederick A., assignor.)

General Aniline Works, Inc. (See Hagge, W., and Haagen, assignors.)

General Aniline Works, Inc. (See Krzikalla, H., Ufer, Elstert, and Klaproth, assignors.)

General Aniline Works, Inc. (See Schindhelm, H., and Schuitis, assignors.)

General Aniline Works, Inc. (See Zerweck, W., and Ritter, assignors.)

General Electric Company. (See Anderson, Arvid E., assignor.)

General Electric Compani. (See Auerbach, Rudolf, assignor.)

General Electric Company. (See Becker, Howard I., assignor.)

General Electric Company. (See Begga, J. E., and Birchard, assignors.)

General Electric Company. (See Buell, Roy C., assignor.)

General Electric Company. (See Ewing, Samuel C., assignor.)

General Electric Company. (See Genschmer, Kurt, assignor.)

General Electric Company. (See Ishiwata, Kiichi, assignor.)

General Electric Company. (See Jones, Benjamin W., assignor.)

General Electric Company. (See Kearsley, William K., assignor.)

General Electric Company. (See Kimball, Donald G., assignor.)

General Electric Company. (See Kjolseth, Ole K., assignor.)

General Electric Company. (See Lauder, Arthur H., assignor.)

General Electric Company. (See Lauder, A. H., and Winter, assignors.)

General Electric Company. (See McEachron, Karl B., assignor.)

General Electric Company. (See Morack, Marvin M., assignor.)

General Electric Company. (See Morrill, Wayne J., assignor.)

General Electric Company. (See Robinson, Manuel G., assignor.)

General Electric Company. (See Sceley, Harold T., assignor.)

General Electric Company. (See Seeman, Hugo J., assignor.)

General Electric Company. (See Sheppard, Raymond, assignor.)

General Electric Company. (See Shoults, David R., assignor.)

General Electric Company. (See Shoults, D. R., and Lord, assignors.)

General Electric Company. (See Travers, Fred H., assignor.)

General Electric Company. (See Whitaker, Frank P., assignor.)

General Electric Company. (See Winter, Fred H., assignor.)

General Motors Corporation. (See Claytor, Edward M., assignor.)

General Motors Corporation. (See Elsey, G. W., and Wittlinger, assignors.)

General Motors Corporation. (See Gibbons, H. R., and Young, assignors.)

Genschmer, Kurt, Berlin-Bohnsdorf, Germany, assignor to General Electric Company. Recording instrument. 2,151,638; Mar. 21.

Geophysical Research Corporation. (See Hawthorn, David G., assignor.)

Geophysical Research Corporation. (See Kendall, James M., assignor.)

Germonprez, John A., assignor to Evans Products Company, Detroit, Mich. Means and method for cooling vehicle bodies. 2,151,097; Mar. 21.

Gewecke, Fritz, Westeregeln, Magdeburg, assignor, by mesne assignments, to Alkaliwerke Westeregeln G. m. b. H., Westeregeln, Germany. Manufacture of alkali metal fluorides and hydroxides. 2,151,022; Mar. 21.

Gewerkschaft Auguste. (See Slatineanu, Eulampiu, assignor.)

Gibbons, Harold R., Chatham, and O. W. Young, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich. Journal box. 2,150,893; Mar. 21.

Gibson, Alan C., London, England. Saucer for supporting cups, glasses, or other drinking vessels. 2,151,023; Mar. 21

Gilbert, William A., Milwaukee, Wis. Permanent wave pad. 2,151,024; Mar. 21.

Gillette, Sidney G. (See Near, L. B., and Gillette.)

Gillson, Raymond L., Cincinnati, Ohio. Hydraulic brake. 2,151,198; Mar. 21.

Glanzer, Clarence J., assignor to Air-Maze Corporation, Cleveland, Ohio. Air cleaner. 2,151,593; Mar. 21.

Glaser, Leo B. (See Grimditch, W. H., Bowman, and Glaser.)

Gleason, George A. (See Brickman, A. E., and Gleason.)

Gledhill, Walter, St. Annes, England. Weft feeler device for looms for weaving. 2,151,199; Mar. 21.

Glensky, William E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Bottle capsule. 2,151,508; Mar. 21.

Globe-Wernicke Company. (See Schmitz, Fred A., assignor.)

Glover, Robert E., assignor to Universal Hydraulic Corporation, Denver, Colo. Support for hollow bodies. 2,151,321; Mar. 21.

Glowka, Martin, New York, N. Y. Waterproof spat. 2,151,350; Mar. 21.

Glowka, Martin, New York, N. Y. Waterproof spat. 2,151,351; Mar. 21.

Goddu, Lloyd W., assignor to American Optical Company, Southbridge, Mass. Making lenses. 2,151,509; Mar. 21.

Goehring, Bernard H., assignor to Norton Company, Worcester, Mass. Electrically controlled hydraulic wheel feeding mechanism. 2,151,660; Mar. 21.

Goldberg, Jacob M., Denver, Colo. Shipping case for moving-picture films. 2,151,025; Mar. 21.

Golden, Max K., Detroit, Mich. Ignition control for motor vehicles. 2,151,639; Mar. 21.

Goldsmith, Robert, Orange, N. J. Garment seam. 2,151,381; Mar. 21.

Gompers, Lewis, trustee. (See Ashley, Frank M., assignor.)

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Goodrie Cylent Flush Valve Co. (See Goodrie, Joseph J., assignor.)

Goodrie, Joseph J., assignor to Goodrie Cylent Flush Valve Co., Chicago, Ill. Fixed vacuum breaker for flush valves. 2,151,200; Mar. 21.

Gordon, Sewall & Co. (See Menning, Otto H., assignor.)

Gorfein, David, Lowell, Mass. Radiator drier. 2,151,510; Mar. 21.

Gorick, Frank G., assignor of three-tenths to J. D. Ripp and three-tenths to H. B. Salkovitz, Pittsburgh, Pa. Rail joint. 2,151,026; Mar. 21.

Goucher, Frederick S. (See Christensen, C. J., Goucher, and Wehe.)

Grant, Chester A., assignor to Gaylord Brothers, Inc., Syracuse, N. Y. Display rack for books and the like. 2,151,269; Mar. 21.

Grantham, Andrew, White Plains, N. Y. Tapping machine. 2,151,594; Mar. 21.

Gray, Robert A., Jr., et al. (See Eastin, Rollie R., assignor.)

Green, Aaron S., et al. (See Hunsicker, Clyde L., assignor.)

Green, Lloyd G., Denver, Colo. Gold saver. 2,151,322; Mar. 21.

Green, Louis D., et al. (See Hunsicker, Clyde L., assignor.)

Green, Martin I., et al. (See Hunsicker, Clyde L., assignor.)

Greene, Josephine H., administratrix. (See Hayes, Timothy.)

Greenwood, Dolphice H., Los Angeles, Calif. Return flow check and plug valve. 2,151,098; Mar. 21.

Gregory, Ella L., Los Angeles, Calif. Mop. 2,151,425; Mar. 21.

Grieshaber, Eugene. (See Prensky, H. N., and Grieshaber.)

Griffith, Clement P., assignor to S. E. Bowser & Company, Incorporated, Fort Wayne, Ind. Thermostatic control for fluid meters. 2,151,201; Mar. 21.

Grimditch, William H., Rydal, J. M., Bowman, Philadelphia, and L. B. Glaser, Drexel, assignors to Philco Radio and Television Corporation, Philadelphia, Pa. Tuning device for radio receivers or the like. 2,151,595; Mar. 21.

Groendyk, James G., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Trolley wire guard. 2,151,099; Mar. 21.

Guenther, Fritz, Ludwigshafen-on-the-Rhine, H. Haussmann, Mannheim, and W. Alt, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of conversion products from cellulose or cellulosic materials. 2,150,968; Mar. 21.

Gulf Oil Corporation. (See Cooke, Horace B., assignor.)

Gulf Oil Corporation. (See Vander Henst, Jan, assignor.)

Gulf Research & Development Company. (See Toussaint, Norbert F., assignor.)

Gulf Research & Development Company. (See Vacquier, Victor V., assignor.)

Gutmann, Ferdinand & Co. (See Eisen, Jay B., assignor.)

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosing carton. 2,151,202; Mar. 21.

Haagen, Karl. (See Hagge, W., and Haagen.)

Hadley, Walter E., Gary, Ind. Portable tar spraying machine. 2,151,100; Mar. 21.

Hafner, Raoul, Vienna, Austria. Rotary wing aircraft. 2,150,969; Mar. 21.

Hagen, Carl, Park Ridge, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Valve. 2,151,511; Mar. 21.

Hagen, Gustav. (See Fikentscher, H., and Hagen.)

Hagen, Hilmar R., Pottsville, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Apparatus for controlling draft. 2,151,512; Mar. 21.

Hagge, Walter, Wolfen, Kreis Bitterfeld, and K. Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Sulphur dyes. 2,151,513; Mar. 21.

Hall, Marvin H., Brady, Nebr. Wire stretcher and splicer. 2,151,027; Mar. 21.

Halle, Kurt, Berlin-Zehlendorf-West, assignor to Dinglerwerke Aktiengesellschaft, Zweibrucken, (Pfalz), Germany. Valve. 2,151,596; Mar. 21.

Halliday, Thomas W. (See Tschudy, W., and Halliday.)

Hallström, Nils A. I., assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Solid fuel burning device. 2,151,970; Mar. 21.

Hamill, George H., Grandfield, Okla. Plow. 2,151,270; Mar. 21.

Hamilton, Don A., Salt Lake City, Utah. Installation of structural glass. 2,151,597; Mar. 21

Hamilton, Glen W., Kansas City, and V. H. Rowlett, St. Louis, Mo. Combined match box and tray. 2,151,426; Mar. 21.

Hansen, Erich, Hohokus, N. J., assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Treating hides. 2,150,919; Mar. 21.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Diolefin polymerization process. 2,151,382; Mar. 21.

Harsin, Clarence W., Los Angeles, Calif. Paperhanger's folding straight edge. 2,151,467; Mar. 21.

Hartig, Henry E., Robbinsdale, assignor of one-half to H. B. Wilcox, Minneapolis, Minn. Fluid meter and measuring the rate of flow of fluids. 2,151,203; Mar. 21.

Hartman, William W., Los Angeles, Calif. Blade sharpening machine. 2,151,204; Mar. 21.

Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)

Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Preparation of tertiary alkyl phenols. 2,150,920; Mar. 21.

Hassig, Edward, assignor to Wetmore Reamer Company, Milwaukee, Wis. Making a pilot light burner. 2,151,271; Mar. 21.

Hatch, Meredith R. (See Rode, F. J., and Hatch.)

Hatherell, George A., Roscoe, assignor to F. A. Garbutt, Los Angeles, Calif. Treating ingredients of a chewing gum base and the like. 2,151,101; Mar. 21.
Haukedahl, Arthur O., Mason City, Iowa. Aerial. 2,151,102; Mar. 21.
Haussmann, Hans. (See Guenther, F., Haussmann, and Alt.
Havas, Emeric, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of imino-amino-methane-sulphinic acid. 2,150,921; Mar. 21.
Hawn, Ralph A., Columbus, Ohio. Ceramic drill. 2,151,205; Mar. 21.
Hawthorn, David G., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Drill stem section. 2,151,206; Mar. 21.
Hay, Donald L., Washington, D. C. Apparatus and method for detecting defects in electrically conductive objects. 2,150,922; Mar. 21.
Hayes Industries, Inc. (See Hollerith, Charles, assignor.)
Hayes, Timothy A. J., deceased, Boston, by J. H. Greene, administratrix, Newton, Mass., assignor to E. C. Mayo, Providence, R. I. Signal system. 2,151,272; Mar. 21.
Hayne, Robert, Indian Hill, Ohio. Dual window structure. 2,151,103; Mar. 21.
Hoyward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Printing and punching registering apparatus. 2,151,028; Mar. 21.
Hazeltine Corporation. (See Hurff, Joseph L., assignor.)
Heating Ventilating & Air Conditioning Co. Inc. (See Smith, Leonard C., assignor.)
Heilmann, William A., Orange, and W. Schultz, Kearney, assignors to Newark Rivet Works, Newark, N. J. Folding umbrella. 2,150,971; Mar. 21.
Heinen, Will, assignor to Kali-Forschungs-Anstalt G. m. b. H., Berlin, Germany. Method of and apparatus for conveying material containing at least one expansible constituent. 2,151,514; Mar. 21.
Heinrich, Jean-Marie, et al. (See Florentino, Aldo, assignor.)
Heintz & Kaufman, Ltd. (See Scofield, Philip F., assignor.)
Heisler, Harry F., Waterloo, Iowa. Foot-actuated throttle device. 2,150,972; Mar. 21.
Heisler Locomotive Works. (See Wheeler, Brian, assignor.)
Heitman, Charles H., Jeffersonville, N. Y. Beverage dispensing device. 2,151,104; Mar. 21.
Hendershot, Robert F., Arlington, and E. R. Hughes, Morristown, N. J. Electric grill. 2,151,105; Mar. 21.
Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Building block. 2,151,468; Mar. 21.
Henkel & Cie. G. m. b. H. (See Hentrich, W., Lainau, and Kaiser, assignors.)
Henley's, W. T., Telegraph Works Company Limited. (See Dunsheath, Percy, assignor.)
Henriquez, Vivian C. (See Tellegen, B. D. H., Peek, Hepp, and Henriquez.)
Hentrich, Winfrid, Dusseldorf-Reisholz, and C. A. Lainau and W. J. Kaiser, Dusseldorf, A. Bartholomaus, administrator of said C. A. Lainau, deceased, assignors to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany. Production of higher molecular alcohols. 2,151,106; Mar. 21.
Hepp, Gerard. (See Tellegen, B. D. H., Peek, Hepp, and Henriquez.)
Hercules Powder Company. (See Ball, Alpheus M., assignor.)
Hess, Otto H., assignor to the firm Aktiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland. Method of and device for collecting dust and fly, particularly in textile factories, as spinning mills. 2,151,273; Mar. 21.
Hilde, Eddie A., Rothsay, Minn. Safety tractor hitch. 2,151,207; Mar. 21.
Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Aktiengesellschaft. Pregnanolones and producing the same. 2,151,661; Mar. 21.
Hill, Frank B. (See Moncrieff, R. W., and Till.)
Hill, Thomas M., New Kensington, assignor to Aluminum Company of America. Closure. 2,151,383; Mar. 21.
Hindman, Earl E., Washington, D. C. Rotary tool. 2,151,274; Mar. 21.
Hiniker, Benjamin F., Taft, Calif. Oil well spider. 2,151,208; Mar. 21.
Hinman, A. M. (See Smith, Beauford B., assignor.)
Hinsen, Ralph C., Denver, Colo. Game and playing piece therefor. 2,151,030; Mar. 21.
Hitt, Ira V. (See Toole, H. S., and Hitt.)
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hoar, Stedman B. (See Stephens, H. C., and Hoar.)
Hochthell, Ignatz, New York, N. Y. Visible accordion record file. 2,151,469; Mar. 21.
Hodnett, Dempsey T. (See Nicholas, K. C., and Hodnett.)
Hoffman-Donner, Dorothy. (See Donner, Josef, assignor.)
Hoffmann-La Roche Inc. (See Preiswerk, E., and Schnider, assignors.)
Hohf, John P. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Hohmann, Joseph B., Forest Grove, Oreg. Jar opener. 2,151,209; Mar. 21.
Holden, Spencer S. (See Bulpit, H. C., and Holden.)
Holden, S. S., Limited. (See Bulpit, H. C., and Holden, assignors.)
Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Muffler. 2,151,470; Mar. 21.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio apparatus for determining distance and direction. 2,151,323; Mar. 21.
Holmes, Henry H. (See Kent, A. W., and Holmes.)
Homeyer, August H. (See Whitmore, F. C., and Homeyer.)
Horn, Erwin A., assignor to I. F. Laucks, Seattle, Wash. Interlocking wall unit and wall. 2,151,384; Mar. 21.
Horsley, James H., assignor to Universal Lamp Company, Chicago, Ill. Miner's lamp brace. 2,151,471; Mar. 21.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Houck, Harry W., New York, assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y. Trimmer condenser. 2,150,973; Mar. 21.
Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Catalysis. 2,150,923; Mar. 21.
Houdry, Eugene J., Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del. Catalysis. 2,150,924; Mar. 21.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Houdry Process Corporation. (See Lassiat, Raymond C., assignor.)
Houk, Addison R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mask. 2,151,427; Mar. 21.
House, Karl W., Oatman, Ariz. Theftproof license plate and holder therefor. 2,151,598; Mar. 21.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machine. 2,151,107; Mar. 21.
Hoye, James B. (See Slye, E. A., Wild, Hoye, and Spaunburg.)
Hubbard, Ward J., assignor to The Wabash Fibre Box Company, Terre Haute, Ind. Carton. 2,151,472; Mar. 21.
Hucke, Charles H., assignor to Ventrite, Inc., St. Louis, Mo. Window screen. 2,151,295; Mar. 21.
Hudson, Edwin B. (See Millan, E. N., and Hudson.)
Huebner, William C., New York, N. Y. Camera. 2,150,974; Mar. 21.
Hughes, Edward R. (See Hendershot, R. F., and Hughes.)
Hulbert, George E., and H. S. Indge, Westboro, assignors to Norton Company, Worcester, Mass. Lapping machine. 2,151,473; Mar. 21.
Hultgren, Albert B., East Milton, Mass. Water heating apparatus. 2,151,108; Mar. 21.
Hunsicker, Clyde L., assignor of one-half to A. S., L. D., and M. I. Green, San Francisco, Calif. Instrument supporting device. 2,150,975; Mar. 21.
Hurff, Joseph L., Flushing, N. Y., assignor to Hazeltine Corporation. Frequency selector system. 2,151,109; Mar. 21.
Hurter, Henry, and C. J. Kurth, assignors to Fulton Iron Works Company, St. Louis, Mo. Tine for deep juice grooves. 2,151,405; Mar. 21.
Hutsell, Thomas A., Seattle, Wash. Beer dispensing device. 2,151,110; Mar. 21.
I. G. Farbenindustrie Aktiengesellschaft. (See Fikentacher, H., and Hagen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Guenther, F., Haussman, and Alt, assignors.)
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Indge, Herbert S. (See Hulbert, G. E., and Indge.)
Industrial Rayon Corporation. (See Kline, H. B., Knebusch, and Burkholder, assignors.)
International Mutoscope Reel Co. Inc. (See Robin, Jacob I., assignor.)
Ishiwata, Kiichi, Kanagawaken, Japan, assignor to General Electric Company. Electric circuit interrupter. 2,151,551; Mar. 21.
Jackson, William B., Monroe, Ga. Roll picker. 2,151,111; Mar. 21.
Jacobi, Edward N., assignor to Briggs & Statton Corporation, Milwaukee, Wis. Spark plug shield. 2,151,112; Mar. 21.
Jacobi, Edward N., assignor to Briggs & Statton Corporation, Milwaukee, Wis. Lock. 2,151,113; Mar. 21.
Jacobson, Albin G., Crossett, Ark. Loading apparatus. 2,151,385; Mar. 21.
Jacobson, Harry, et al. (See Fitzgerald, Thomas W., assignor.)
Jaeger, Gustav, Neu-Isenburg, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Electrolytic production of metals. 2,151,599; Mar. 21.
Jahns, George, Hollywood, Calif. Match book. 2,151,031; Mar. 21.
Jandos, Charles B., Craig, Colo. Electrode holder. 2,151,552; Mar. 21.
Janeway, Robert N., assignor to Chrysler Corporation, Detroit, Mich. Combustion chamber. 2,151,428; Mar. 21.
Janzen, Otto, Berlin-Hermsdorf, assignor of one-third to Pollopas Patents Ltd., London, England, and two-thirds to W. Agulnik, Berlin-Dahlem, Germany. Display apparatus. 2,151,600; Mar. 21.

Jarrett, George T., East Cleveland, Ohio, assignor to I. Saks. Clutch plate. 2,151,515; Mar. 21.
Jayne, David W., Jr. (See Christmann, L. J., and Jayne.)
Jeffrey Manufacturing Company, The. (See Whitney, Paul V., assignor.)
Jenkins, George O., Company. (See Richter, Herman W., assignor.)
Jennings, William A., assignor to Economy Forms Corporation, Des Moines, Iowa. Mold form for circular concrete walls. 2,151,210; Mar. 21.
Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Joint and making same. 2,151,032; Mar. 21.
Johanson, Carl H., assignor to O. S. Johanson, Los Angeles, Calif. Variable-zone leather stretching machine. 2,150,894; Mar. 21.
Johanson, Olivia S. (See Johanson, Carl H., assignor.)
Johnson, Alfred J. Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphurized indophenol dyestuffs and producing the same. 2,151,114; Mar. 21.
Johnson, Carl A., Omaha, Nebr. Brake control mechanism. 2,151,211; Mar. 21.
Johnson, Harry H., Boston, Mass. Dispensing device. 2,151,115; Mar. 21.
Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Light valve control. 2,151,474; Mar. 21.
Johnson, Raymond C., West Brunswick Township, Schuylkill County, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Radiation heater. 2,151,516; Mar. 21.
Johnson, Sheldon K., et al. (See Walker, Joseph B., assignor.)
Johnson, William E., Chicago, Ill., assignor to Rand McNally & Company. Globe. 2,151,601; Mar. 21.
Johnston, Archibald P., Altadena, assignor to Standard Oil Company of California, San Francisco, Calif. Welding electrode coating. 2,150,925; Mar. 21.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 2,151,553; Mar. 21.
Jones, Malcolm L., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Folding partition. 2,151,033; Mar. 21.
Jones, Wilbur C., Washington, D. C. Match holder. 2,151,116; Mar. 21.
Jordan, Wolfgang, Schweinfurt, Germany. Freewheel hub with coaster brake. 2,151,324; Mar. 21.
Josephson, Helmer G., Saugus, Mass. Armored shoe. 2,151,554; Mar. 21.
Kafoury, Josephine K. (See Ogle, John P., assignor.)
Kaiser, Wilhelm J. (See Hentrich, W., Lainau, and Kaiser.)
Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
Kali-Forschungs-Anstalt G. m. b. H. (See Heinen, Will, assignor.)
Kalio, Inc. (See Lieberknecht, Karl R., assignor.)
Kalle & Co. Aktiengesellschaft. (See Schmidt, M. P., Süs, and Werner, assignors.)
Küllner, Gerhard, and G. Krause, Ida-und Marienhutte, near Saarau, Silesia, assignors to Silesia, Verein Chemischer Fabricken, Ida-und Marienhutte, near Saarau, Germany. Manufacture of polysulphide plastics. 2,151,212; Mar. 21.
Kamlet, Jonas, Brooklyn, N. Y. Preparation of arylnitroalkanols. 2,151,517; Mar. 21.
Karpen, S., & Bros. (Se Van Derveer, Clarence A., assignor.)
Kauffmann, Hans O., and G. M. Wolfe, Jr., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Making and bleaching paper. 2,150,926; Mar. 21.
Kaufmann, Frank H., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Apparatus for warp leasing. 2,151,475; Mar. 21.
Kauppert, William, Jamaica, N. Y. Coil winding and setting machine. 2,151,034; Mar. 21.
Kearney, James R., Corporation. (See Tallman, Oscar F., assignor.)
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. 2,151,602; Mar. 21.
Keeler Brass Company. (See Birdsall, Albert L., assignor.)
Kelley, Walter F., Whitestone, assignor to Remington Rand Inc., Buffalo, N. Y. Solenoid. 2,151,213; Mar. 21.
Kellogg, M. W., Company, The. (See Baker, Albert L., assignor.)
Kelly, Clyde W. (See Randall, W. C., and Kelly.)
Kelly, F., Company, The. (See Runk, William B., assignor.)
Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kendall, James M., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Incandescent electric lamp. 2,151,325; Mar. 21.
Kennedy, Theodore R., Morrisville, Pa., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Transformer. 2,151,035; Mar. 21.
Kent, Alfred W., Groby, and H. H. Holmes, assignors to Wildt and Company Limited, Leicester, England. Circular knitting machine. 2,151,662; Mar. 21.
Kepler, Lionel J., Dayton, Ohio. Tool lift for cultivators. 2,151,117; Mar. 21.
Kern, Walter B. (See McNeill, W. G., Kern, and Wade.)
Kershaw, Stanley C. (See Taylor, W. H., and Kershaw.)
Kilberger, Frank L., Cedar Rapids, Iowa. Threshing machine. 2,150,976; Mar. 21.
Kilborn, William T., Pittsburgh, and F. K. Landgraf, Grafton, assignors to Flannery Bolt Company, Bridgeville, Pa. Porous plug for staybolts and the manufacture thereof. 2,150,927; Mar. 21.
Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Fused convenience outlet. 2,151,555; Mar. 21.
Kimble, John S., and S. E. Palmer, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Molding method. 2,151,476; Mar. 21.
King, Archie P., and A. E. Bowen, Red Bank, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Termination for dielectric guides. 2,151,118; Mar. 21.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kiwi, Walter, Philadelphia, Pa. Die set. 2,151,119; Mar. 21.
Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Center plate cushioning device. 2,151,603; Mar. 21.
Klaproth, Gustav. (See Krzikalla, H., Ufer, Eistert, and Klaproth.)
Kline, Hayden B., W. F. Knebusch, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of thread or the like. 2,150,928; Mar. 21.
Klopp, Karl, Arlington Heights, assignor to M. Klopp, Chicago, Ill. Device for color photography. 2,151,429; Mar. 21.
Klopp, Marie. (See Klopp, Karl, assignor.)
Klutke, Fritz, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany. Automatic fading control circuit. 2,151,120; Mar. 21.
Knebusch, Walter F. (See Kline, H. B., Knebusch, and Burkholder.)
Knoerzer, Otto, assignor to Champion Corporation, Hammond, Ind. Shut-off valve. 2,151,296; Mar. 21.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Web marking mechanism. 2,151,036; Mar. 21.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oscillating fan. 2,151,326; Mar. 21.
Kohler, Henry L., assignor to A. A. Kramer, Kansas City, Mo. Forming protective coatings on metallic sheets. 2,150,929; Mar. 21.
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers Company. (See Randolph, Spottiswoode W., assignor.)
Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Production of water gas. 2,151,121; Mar. 21.
Kozacik, Alfred P. (See Moran, R. C., and Kozacik.)
Kraft, Josef, Olpe in Westphalia, Germany. Electrically operated stopping device for high speed rope-making machines. 2,150,977; Mar. 21.
Kramer, Andrew A. (See Kohler, Henry L., assignor.)
Kramer, Clarence P., Chicago, Ill. Sprinkler. 2,151,214; Mar. 21.
Krause, Gerhard. (See Küllner, G., and Krause.)
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Switch for control of low voltage circuits. 2,151,037; Mar. 21.
Krzikalla, Hans, and H. Ufer, Ludwigshafen-on-the-Rhine, B. Eistert, Mannheim, and G. Klaproth, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuff. 2,151,518; Mar. 21.
Kubelus, Joseph G., Jessup, Pa. Distributor for internal combustion engines. 2,151,519; Mar. 21.
Kuhlman Electric Company. (See Pittman, L. V., and Weinheimer, assignors.)
Kuhmarker Waxed Paper Co. (See Warshaw, Julius J., assignor.)
Kullander, Albert E. (See Curl, Fred H., assignor.)
Kurth, Carl J. (See Hurter, H., and Kurth.)
Kushima, James I., Ewa, Hawaii. Oil dispensing container. 2,151,604; Mar. 21.
Lainau, Carl A. (See Hentrich, W., Lainau, and Kaiser.)
Laing, Richard R., Fairfield, Conn., assignor to Aluminum Company of America, Pittsburgh, Pa. Drying roll. 2,151,049; Mar. 21.
Lancaster, John T., Newtonville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel attaching machine. 2,151,038; Mar. 21.
Landes, Maurice R., Philadelphia, Pa. Lamp and desk pad. 2,150,978; Mar. 21.
Landgraf, Frederick K. (See Kilborn, W. T., and Landgraf.)
Landis Gyr, A-G. (See Dietrich, T., and Borel, assignors.)
Landon, Vernon D. (See Carlson, W. L., and Landon.)

Larsen, Agnew E., Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America. Aircraft sustaining rotor. 2,151,215; Mar. 21.
Larsen, Agnew E., Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America. Construction of aircraft sustaining rotors. 2,151,216; Mar. 21.
Larsen, Einer W. (See Bouvier, G. A., and Larsen.)
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Automatic sub- and grand-totaling mechanism. 2,151,406; Mar. 21.
Lassiat, Raymond C., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Temperature regulation of chemical reactions. 2,150,930; Mar. 21.
Laucks, I. F. (See Horn, Erwin A., assignor.)
Lauder, Arthur H., Schenectady, N. Y., assignor to General Electric Company. Synchronous motor control system. 2,151,556; Mar. 21.
Lauder, Arthur H., and F. H. Winter, Schenectady, N. Y., assignors to General Electric Company. Synchronous machine control system. 2,151,122; Mar. 21.
Lavering, Harry D., Venice, Calif. Expansion joint for plastic wall sections. 2,151,605; Mar. 21.
Lavine, Jacob A., Chicago, Ill. Mixing apparatus. 2,151,123; Mar. 21.
Leatherbury, Lewis E., Elwood, Ind. Rug display means. 2,151,387; Mar. 21.
Lee, Royal, Milwaukee, Wis. Shaft coupling. 2,151,477; Mar. 21.
Lehman, John L., St. Louis, Mo. Metal mixture. 2,151,217; Mar. 21.
Lehman, Roscoe E., and A. E. Roane, assignors to The W. H. Reisner Manufacturing Company, Hagerstown, Md. Electrical switch. 2,151,039; Mar. 21.
Lehon Company, The. (See Stevens, Josiah B., assignor.)
Leitz, Ernst, G. m. b. H. (See Leitz, Ludwig, assignor.)
Leitz, Ludwig, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Combined range finder and view finder. 2,151,124; Mar. 21.
Lemon, Frank R., Lemon Park, Indian Lake, Mich. Door actuating mechanism. 2,151,430; Mar. 21.
Leo Corporation. (See Lyons, W. E., and McKone, assignors.)
Leone, Albert, Long Island City, and L. Sholtz, New York, assignors to I. Miller & Sons, Inc., Long Island City, N. Y. Shoe. 2,150,895; Mar. 21.
Lesti, Arnold, Los Angeles, Calif. Radio station center tuning control. 2,151,275; Mar. 21.
Levy, Louis, et al. (See Fitzgerald, Thomas W., assignor.)
Lewis, Dartrey, Boston, Mass., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Boiler feeding apparatus. 2,151,125; Mar. 21.
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Lewis, Florence N., New York, N. Y. Lady's handbag. 2,150,979; Mar. 21.
Lieberknecht, Karl R., Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y. Flat knitting machine. 2,150,931; Mar. 21.
Line Material Company. (See Schultz, William O., assignor.)
Littmann, Ellis, Clayton, assignor to Mixdorff-Krein Manufacturing Co., St. Louis, Mo. Antiskid chain. 2,151,520; Mar. 21.
Llach, Humberto, and P. R. Avalo, assignors to Neway Advertising Corp., New York, N. Y. Advertising laundry cardboard. 2,151,478; Mar. 21.
Lloyds Mfg. Co. (See Williams, Lloyd M., assignor.)
Lobl, Frederick, Middleboro, Mass. Beverage making apparatus. 2,151,407; Mar. 21.
Lockey, James, Great Burgh, Epsom, England, assignor to Standard Brands Incorporated, New York, N. Y. Aeration apparatus. 2,151,126; Mar. 21.
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Locomotive Firebox Company. (See Christenson, Gust J., assignor.)
Locomotive Firebox Company. (See Reardon, Edward J., assignor.)
Logan, James T., O. Richardson, and R. J. Cooper, Atlanta, and J. U. Benziger, Smyrna, Ga., assignors of one-third to Southern States Equipment Co., Birmingham, Ala. Electrical control. 2,151,127; Mar. 21.
Looney, William E., Detroit, Mich. Airplane. 2,151,128; Mar. 21.
Lord, Charles S., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle body transportation mounting apparatus and method. 2,151,431; Mar. 21.
Lord, Harold W. (See Shoults, D. R., and Lord.)
Los Angeles By-Products Co. (See Near, L. B., and Gillette, assignors.)
Loughlin, Edward F., Providence, R. I. Floating tap, reamer, and drill holder. 2,151,388; Mar. 21.
Lovaglio, Giovanni, Paris, France. Last for the manufacture of boots or the like. 2,151,606; Mar. 21.
Lovell, Edwin M., Topeka, Kans. Ring. 2,151,607; Mar. 21.
Lubszynski, Hans G., Middlesex, and J. D. McGee, London, assignors to Electric & Musical Industries Limited, Middlesex, England. Electron discharge device. 2,150,980; Mar. 21.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for the operation of steam boilers and accessory devices. 2,151,297; Mar. 21.
Ludovici, Renato, assignor to Shanklin Manufacturing Company, Chicago, Ill. Electric cigar lighter. 2,151,479; Mar. 21.
Ludwig, Clarence, Bluffton, Ind. Automatic knife blade grinding machine. 2,151,480; Mar. 21.
Ludwig, William F., Oak Park, Ill. Timpano adjuster. 2,150,981; Mar. 21.
Lufkin Rule Company, The. (See Witchger, Eugene J., assignor.)
Luft, Fritz. (See Eggert, J., and Luft.)
Lutz, Johann W., Rheineck, Switzerland. Diesel engine. 2,151,218; Mar. 21.
Lyons, Willard E., and L. J. McKone, assignors to Leo Corporation, Chicago, Ill. Operating internal combustion engines. 2,152,432; Mar. 21.
MacTwiggan, Thomas, New York, N. Y. Bus socket. 2,151,433; Mar. 21.
Madsen, Sern, assignor to Curtis Companies Incorporated, Clinton, Iowa. Window sash lock. 2,151,219; Mar. 21.
Maess, Frank G., Tonawanda, N. Y. Shingle staining machine. 2,151,608; Mar. 21.
Magruder, Gilbert A. (See Andres, L. J., and Magruder.)
Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,151,557; Mar. 21.
Malah, Lillian, Chicago, Ill. Crib blanket. 2,151,434; Mar. 21.
Malley, Joseph F., et al. (See Bierbach, Carl F., assignor.)
Mallinckrodt Chemical Works. (See Whitmore, F. C., and Homeyer, assignors.)
Malone, Homer E., assignor to Minnealoplis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,151,040; Mar. 21.
Manning, Maxwell & Moore, Incorporated. (See Corcoran, James L., assignor.)
Manning, Maxwell & Moore, Incorporated. (See Lewis, Dartrey, assignor.)
Manville, Charles J., Pontiac, Mich. Gas gun. 2,151,521; Mar. 21.
Mark, Vennice E. (See De Voe, G. E., and Mark.)
Markem Machine Company. (See Putnam, C. A., and Robbins, assignors.)
Markle, Robert A., Baltimore, Md. Bottle cap. 2,151,129; Mar. 21.
Marlow, C. M. (See Menderman, Fred, assignor.)
Mart, Leon T., Mission Township, Johnson County, Kans. Cooling tower. 2,151,481; Mar. 21.
Marvel Equipment Corporation. (See Roethel, John H., assignor.)
Massom, George, et al. (See Bierbach, Carl F., assignor.)
Mastic Asphalt Corporation. (See Mattes, Lee H., assignor.)
Mattes, Lee H., assignor to Mastic Asphalt Corporation, South Bend, Ind. Building covering material. 2,151,220; Mar. 21.
Mattoon, Deo R., assignor to Corning Glass Works, Corning, N. Y. Handle for cooking utensils. 2,151,276; Mar. 21.
Mattsson, Nils S. A., and K. E. Dahlqvist, Kvitsleby, Sweden. Tape reel. 2,151,130; Mar. 21.
Mäueler, Carl, Wuppertal-Barmen, Germany. Varnishing sliding clasp fasteners. 2,151,558; Mar. 21.
Maurer, Paul H., Birmingham, Mich., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter control. 2,151,041; Mar. 21.
Maybach-Motorenbau Gesellschaft mit beschrankter Haftung. (See Meyer, Gustav, assignor.)
Mayo, Edmund C. (See Hayes, Timothy A. J., assignor.)
McCutcheon, Edwin C. (See Rudolph, C. A., and McCutcheon.)
McDonnell, John M., Dayton, Ohio. Method of and means for producing stereoscopic photographs. 2,150,932; Mar. 21.
McEachron, Karl B., Pittsfield, Mass., assignor to General Electric Company. Lightning arrester. 2,151,559; Mar. 21.
McFarland, Frank R., assignor to Sheffield Steel Corporation, Kansas City, Mo. Expansion and contraction joint. 2,150,982; Mar. 21.
McGee, James D. (See Lubszynski, H. G., and McGee.)
McGrath, William L., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,151,042; Mar. 21.
McGregor, Thomas A. (See Saunders, W. A., and McGregor.)
McKone, Leo J. (See Lyons, W. E., and McKone.)
McKool, John, Windber, Pa. Display package carrier for dispensers. 2,151,352; Mar. 21.
McNeill, Walter G., W. B. Kern, and R. W. Wade, Dayton, Ohio. Bomb release mechanism. 2,150,933; Mar. 21.
McQueen, David M. (See Cupery, M. E., and McQueen.)
McWane, Henry E., Lynchburg, Va. Casting apparatus. 2,151,131; Mar. 21.
Meeker, Daniel M., assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio. Paneled wall structure. 2,151,221; Mar. 21.

Meigs, Henry G., West Allis, Wis. Highway marker. 2,151,277; Mar. 21.
Menderman, Fred, assignor of one-third to C. M. Marlow, Miami, Fla. Fastener. 2,151,609; Mar. 21.
Menning, Otto H., assignor to Gordon, Sewall & Co., Houston, Tex. Demountable vehicle body. 2,151,640; Mar. 21.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergenthaler Linotype Company. (See Allison, George W., assignor.)
Mergenthaler Linotype Company. (See Sperling, Wilhelm, assignor.)
Meritor Chemical Company. (See Morgan, Ezra J., assignor.)
Meyer, Gustav, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany. Change speed gear. 2,151,132; Mar. 21.
Michniewicz, Stanislaw, Los Angeles, Calif. Piano-mandolin. 2,151,133; Mar. 21.
Milhaupt, Edgar A., Appleton, Wis. Valve control mechanism. 2,151,278; Mar. 21.
Milk Processes, Inc. (See Sharples, Laurence P., assignor.)
Millan, Edward N., and E. B. Hudson, assignors to The American Rolling Mill Company, Middletown, Ohio. Hot strip coiler. 2,150,934; Mar. 21.
Millard, Everett L., Highland Park, Ill. Heat control mechanism. 2,151,222; Mar. 21.
Miller, Benjamin H., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Support for hollow bodies. 2,151,298; Mar. 21.
Miller, Bruce D., Louisville, Ky., assignor, by mesne assignments, to United States of America, as represented by Secretary of Interior, Process and apparatus for the extraction of helium from gaseous mixtures. 2,151,299; Mar. 21.
Miller, I., & Sons, Inc. (See Leone, A., and Sholtz, assignors.)
Miller, Rudolph W., Winona, Minn. Journal lubricator. 2,150,935; Mar. 21.
Minneapolis-Honeywell Regulator Company. (See Malone, Homer E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Rudolph, C. A., and McCutcheon, assignors.)
Mitchell, Henry W., assignor to E. A. Stromberg, Chicago, Ill. Brake testing device. 2,151,134; Mar. 21.
Mitchell, Raymond L. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Mixdorff-Krein Manufacuring Co. (See Littmann, Ellis, assignor.)
Moberg, Enoch J., Evanston, Ill. Ladder platform. 2,151,135; Mar. 21.
Moffitt, Samuel A., Danville, Va., assignor to R. L. Sjostrom, Laurence, Mass. Automatic doffer. 2,151,136; Mar. 21.
Mohawk Equipment Corporation (III). (See Potter, Elbert R., assignor.)
Moncrieff, Robert W., and F. B. Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,151,327; Mar. 21.
Moness, Eugene, Long Island City, assignor to E. R. Squibb & Sons, New York, N. Y. N-butyl monochlorresorcinol. 2,151,137; Mar. 21.
Montgomery, Harley A., Highland Park, Mich. Composition for treating ferrous metals. 2,151,353; Mar. 21.
Moore, Samuel W., Greensburg, Ky. Hypodermic syringe holder. 2,151,610; Mar. 21.
Morack, Marvin M., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,151,560; Mar. 21.
Moran, Robert C., Wenonah, and A. P. Kozacik, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,151,300; Mar. 21.
Morgan Engineering Company, The. (See Ball, Harvey W., assignor.)
Morgan, Ezra J., assignor, by mesne assignments, to Meritor Chemical Company, Chicago, Ill. Aqueous heat transfer liquid. 2,150,936; Mar. 21.
Morgan, William L., Brockley, London, England. Suspender for socks or stockings. 2,151,389; Mar. 21.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Dynamo-electric machine. 2,151,561; Mar. 21.
Morris, Earl S., Seattle, Wash. Ventilating attachment for toilets. 2,151,138; Mar. 21.
Morris, Isaac T., Vancouver, British Columbia, Canada. Gauge. 2,151,611; Mar. 21.
Morris, John P., La Grange, Ill. Crank throw grinding device. 2,151,139; Mar. 21.
Morris, Marion W., assignor, to R-B-M Manufacturing Company, Logansport, Ind. Switch. 2,151,612; Mar. 21.
Morris Paper Mills. (See Reitzel, James A., assignor.)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Control mechanism for water heaters and the like. 2,151,562; Mar. 21.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Truck center bearing. 2,150,896; Mar. 21.
Murray, Albert L., Auburn, Ind. Rubber heel. 2,151,613; Mar. 21.
Murray, Howard J., New York, N. Y. Automatic electric variable speed bidirectional and free wheeling transmission. 2,150,983; Mar. 21.
Myers, Latimer D., assignor to Emery Industries, Inc., Cincinnati, Ohio. Grease base and method of making. 2,151,641; Mar. 21.
N. V. Philips' Gloeilampenfabrieken. (See Tellegen, B. D. H., Peek, Hepp, and Henriquez, assignors.)
Nadaud, Marcel, et al. (See Fiorentino, Aldo, assignor.)
Nassau, Max. (See Sommer, F., and Nassau.)
Nathan Manufacturing Company. (See Folke, Bengt E., assignor.)
National Battery Company. (See Breisch, Edgar W., assignor.)
National Battery Company. (See Snyder, Almond H., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
National-Standard Company. (See Shook, Florian J., assignor.)
National Tinsel Mfg. Co. (See Crosser, David H., assignor.)
Natural Food Products Company. (See Stephens, Henry C., assignor.)
Natural Food Products Company. (See Stephens, H. C., and Hoar, assignors.)
Nayman, John E., Sr., Warren, Ohio. Curtain hanger. 2,151,223; Mar. 21.
Near, Lloyd B., La Crescenta, and S. G. Gillette, Alhambra, Calif., assignors to Los Angeles By-Products Co. Combined crushing and feeding device for junk shredding machines. 2,150,984; Mar. 21.
Neely, John M., Lincoln, Nebr. Head rest for X-ray machines. 2,151,224; Mar. 21.
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Pump. 2,151,482; Mar. 21.
Nelson, Mart. (See Smart, L. R., and Nelson.)
Neo-Gravure Printing Co. Inc. (See Peterson, Claus F., assignor.)
Neo-Rite Company. (See Van Bain, William, assignor.)
Neracher, Carl A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Making gears. 2,151,435; Mar. 21.
Nevatt Axial Engines Limited. (See Nevatt, C. G., and Shearer, assignors.)
Nevatt, Christopher G., and F. W. Shearer, assignors to Nevatt Axial Engines Limited, Bristol, England. Swash plate type engine. 2,151,614; Mar. 21.
Newark Rivet Works. (See Heilmann, W. A., and Schultz, assignors.)
Neway Advertising Corp. (See Llach, H., and Avalo, assignors.)
Newton, William, Omaha, Nebr. Live bait container. 2,151,225; Mar. 21.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nichols, Arthur A., Waltham, Mass. Rotor generating method and machine. 2,151,483; Mar. 21.
Nicholas, Kermit C., and D. T. Hodnett, Chickasha, Okla. Sweep rake. 2,151,436; Mar. 21.
Noble, Warren, Guilford, N. Y., assignor to Sullivan Machinery Company. Apparatus for breaking material. 2,151,328; Mar. 21.
Nordling, Fred M., Denver, Colo. Rotary motor and pump. 2,151,484; Mar. 21.
North Star Specialty & Manufacturing Company. (See Ohme, W. F., and Stephan, assignors.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Flygare, C. G., and Silven, assignors.)
Norton Company. (See Flygare, C. G., and Taylor, assignors.)
Norton Company. (See Goehring, Bernhard H., assignor.)
Norton Company. (See Hulbert, G. E., and Indge, assignors.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Wood, Wallace H., assignor.)
Norton Company. (See Wood, W. H., and Flygare, assignors.)
Nova Electric Corporation. (See Dubilier, Philip, assignor.)
Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Clutch facing. 2,150,937; Mar. 21.
Novak, Joseph, Roy, Wash. Heating unit. 2,151,140; Mar. 21.
Nutto, Louis A., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Incandescent lamp with means to reduce bulb blackening. 2,151,522; Mar. 21.
Nystrom, Karl F., Milwaukee, Wis. Railroad car construction. 2,150,897; Mar. 21.
Ogle, John P., Glendale, assignor to J. K. Kafoury, doing business as Cord-Away Mfg. Co., Los Angeles, Calif. Attachment plug. 2,151,226; Mar. 21.
Ohme, Walter F., and R. C. Stephan, assignors to North Star Specialty & Manufacturing Company, Minneapolis, Minn. Machine for washing drinking vessels. 2,151,437; Mar. 21.
Ombrello, Michael, New York, N. Y. Game device. 2,151,141; Mar. 21.
Orr, Howard H., Cleveland, Ohio. Bag. 2,151,523; Mar. 21.

Osuch, Francis J., assignor to Robot-Hand Corporation, Detroit, Mich. Washing and drying apparatus. 2,151,354; Mar. 21.
Oswald, William J. (See Redfield, Erwin L., assignor.)
Owens-Corning Fiberglas Corporation. (See Slayter, Games, assignor.)
Oyston, William R., Westminster, London, England, assignor to A. Brash, Melbourne, Australia. Apparatus for stabilizing sprung bodies. 2,151,663; Mar. 21.
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Page, Ronald, and E. B. Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America. Catalyst for the preparation of methane from carbon monoxide and hydrogen. 2,151,329; Mar. 21.
Pageman, Rudolph. (See Fisher, Robert P., assignor.)
Palmer, Spencer E. (See Kimble, J. S., and Palmer.)
Palmer, Spencer E., Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Plasticizing method. 2,150,939; Mar. 21.
Pardee, Howard J., New York, N. Y. Chlorinator. 2,151,142; Mar. 21.
Pardee, Howard J., New York, N. Y. Control means for chlorinators. 2,151,143; Mar. 21.
Pascucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Reflecting unit. 2,151,279; Mar. 21.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Fuel feeding system for internal combustion engines. 2,151,043; Mar. 21.
Pawelek, Anthony, Houston, Tex. Nasal insert. 2,151,227; Mar. 21.
Pawsat, Reuben, assignor to Wald Mfg. Co., Inc., Maysville, Ky. Reflector mounting for bicycle axles. 2,151,485; Mar. 21.
Peek, Johannes. (See Telegen, B. D. H., Peek, Hepp, and Henriquez.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penny, Robert J., Seacliff, and H. J. Worthington, Beulah Park, South Australia, Australia. Pedal of foot-propelled bicycles. 2,151,144; Mar. 21.
People of the United States. (See Gaus, G. E., and Bennett.)
Percival, William S., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Reduction of interference in electric signal transmission systems. 2,151,145; Mar. 21.
Percy, Carl, New York, and E. E. Draper, Scarsdale, assignors to The Perser Corporation, New York, N. Y. Stereoscopic photography. 2,151,301; Mar. 21.
Perez, Horacio E., Valhalla, N. Y. Automatic gear transmission. 2,151,151; Mar. 21.
Perkins, Ralph P. (See Britton, E. C., and Perkins.)
Perks, Thomas E. (See Ross, C. E., and Perks.)
Perser Corporation, The. (See Percy, C., and Draper, assignors.)
Peterson, Claus F., Chicago, Ill., assignor to Neo-Gravure Printing Co. Inc., New York, N. Y. Intaglio web printing machine. 2,151,390; Mar. 21.
Peterson, Roy, Emporia, Kans. Work handling and preheating mechanism for welding. 2,151,044; Mar. 21.
Petry, Clayton H., assignor to The Turbo-Mixer Corporation, New York, N. Y. Mixing apparatus. 2,151,146; Mar. 21.
Pflanze, Charles F., University City, Mo. Sheet feeding and forwarding mechanism. 2,151,228; Mar. 21.
Philadelphia and Reading Coal and Iron Company, The (See Hagen, Hilmar R., assignor.)
Philadelphia and Reading Coal and Iron Company, The (See Johnson, Raymond C., assignor.)
Philadelphia and Reading Coal and Iron Company, The (See Rose, Harold J., assignor.)
Philco Radio and Television Corporation. (See Grimditch, W. H., Bowman, and Glaser, assignors.)
Philco Radio & Television Corporation. (See Thompson, Elmer O., assignor.)
Pierce, Robert E., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Clipper. 2,151,438; Mar. 21.
Piroumoff, George S., New York, and L. L. Cross, assignors to Brockway Motor Company, Inc., Cortland, N. Y. Sectionalized vehicle body. 2,151,229; Mar. 21.
Pittman, Leon V., Dearborn, and C. M. Weinheimer, Detroit, assignors, by mesne assignments, to Kuhlman Electric Company, Bay City, Mich. Furnace and control therefor. 2,151,439; Mar. 21.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Tap clamp. 2,151,524; Mar. 21.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Conductor protector. 2,151,525; Mar. 21.
Platz, Henry T., assignor to Briggs Manufacturing Company, Detroit, Mich. Automatic valve for welding machines. 2,151,563; Mar. 21.
Ploehn, John H., Bettendorf, Iowa, assignor to French & Hecht, Incorporated. Wheel mounting. 2,151,045; Mar. 21.
Plumb, Roy A., Pleasant Ridge, Mich., assignor to The Truscon Laboratories. Roof tile. 2,151,148; Mar. 21.
Plummer, Walter A., Jr., Los Angeles, Calif. Bag. 2,150,985; Mar. 21.
Pneumatic Scale Corporation. (See Howard Stanley R., assignor.)
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Television apparatus. 2,151,149; Mar. 21.
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Television apparatus. 2,151,526; Mar. 21.
Podmore, Arthur, London, England, assignor to American Machine & Foundry Company, New York, N. Y. Preparation of cut tobacco. 2,151,527; Mar. 21.
Pohlmeyer, August H., Chincoteague, Va. Clutch mechanism. 2,151,150; Mar. 21.
Pollak, Abraham, Royersford, Pa. Penholder. 2,151,440; Mar. 21.
Pollopas Patents Ltd., et al. (See Janzen, Otto, assignor.)
Porciuncula, Rafael C., San Francisco, Calif. Animal trap. 2,151,046; Mar. 21.
Porter, Bennett J., et al. (See Alley, Russel E., assignor.)
Posner, Martin. (See Bagno, S., and Posner.)
Potter, Elbert R., assignor to Mohawk Equipment Corporation (III), Chicago, Ill. Drive means for power lawn mowers. 2,151,615; Mar. 21.
Preiswerk, Ernst, Munchenstein, near Basel, and O. Schnider, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidine compound. 2,151,047; Mar. 21.
Prensky, Harold N., Forrest Hills, and E. Grieshaber, Springfield Gardens, N. Y. Combination sound producing and object ejecting device. 2,151,330; Mar. 21
Preston, Henry C., Towson, Md., assignor to The Black & Decker Manufacturing Company. Valve stem grinder. 2,151,528; Mar. 21.
Preston Tyre Fabric Manufacturing Company, Limited (See Chadwick, Fletcher, assignor.)
Prince, Robert K., Westfield, assignor of one-half to R. E. Thompson, Boston, Mass. Electromagnetic motor. 2,151,355; Mar. 21.
Protectoseal Company of America. (See Anschicks, Rudolph J., assignor.)
Pugh, Addie A. (See Pugh, John D., assignor.)
Pugh, Addie A., et al., executors. (See Pugh, John D.)
Pugh, John D., deceased; A. A. Pugh and F. H. Smith, executors, assignors to A. A. Pugh, Baltimore, Md. apparatus for transferring molten materials. 2,151,391; Mar. 21.
Pugh, John D., deceased; A. A. Pugh and F. H. Smith, executors, assignors to A. A. Pugh, Baltimore, Md. Apparatus for the transportation of molten materials. 2,151,392; Mar. 21.
Purdon, James C., Akron, Ohio. Sectional removable railway tie. 2,150,940; Mar. 21.
Putnam, Claude A., and C. F. Robbins, assignors to Markem Machine Company, Keene, N. H. Marking machine. 2,151,230; Mar. 21.
Queen, Walter K., Needham, Mass. Rod packing. 2,151,356; Mar. 21.
R-B-M Manufacturing Company. (See Morris, Marion W., assignor.)
Racine Shoe Manufacturing Co. (See Schmidt, Edward P., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Carlson, W. L., and Landon, assignors.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Ragatz, Edward G. (See Aldridge, B. G., and Ragatz.)
Ramel, Herbert M., and O. M. Storey, assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Package. 2,151,486; Mar. 21.
Ramsey Accessories Manufacturing Corporation. (See Ramel, H. M., and Storey, assignors.)
Rand McNally & Company. (See Johnson, William E., assignor.)
Randall, William C., and C. W. Kelly, assignors to Detroit Steel Products Company, Detroit, Mich. Window construction. 2,151,231; Mar. 21.
Randel, Bo F., San Diego, Calif. Steam radiator. 2,150,941; Mar. 21.
Randolph, Spottiswoode W., Baltimore, Md., assignor, by mesne assignments, to Koppers Company. Apparatus for the transportation of molten materials. 2,151,393; Mar. 21.
Rauch, Louis J. and P., Brooklyn, N. Y. Hose clamp. 2,150,986; Mar. 21.
Rauch, Philip. (See Rauch, Louis J. and P.)
Raybestos-Manhattan, Inc. (See Groendyk, James G., assignor.)
Raybestos-Manhattan Company. (See Novak, Izador J., assignor.)
Real Estate-Land Title and Trust Company, The. (See Brown, Francis H., assignor.)
Reardon, Edward J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 2,151,441; Mar. 21.
Redell, William A., and J. M. Wiley, assignors to The Farley Machine Works Co., Arkansas City, Kans. Liner puller. 2,151,616; Mar. 21.
Redfield, Erwin L., Cloquet, Minn., assignor to W. J. Oswald, Chicago, Ill. Rope fastener. 2,151,664; Mar. 21.
Reed, Delbert F., et al. (See Stalkfleet, Harry A., assignor.)

Reisner, W. H., Manufacturing Company, The. (See Lehman, R. E., and Roane, assignors.)
Reitzel, James A., Morris, assignor to Morris Paper Mills, Chicago, Ill. Paper-making method. 2,151,357; Mar. 21.
Remington Rand Inc. (See Alvine, Samuel, assignor.)
Remington Rand Inc. (See Kelley, Walter F., assignor.)
Remington Rand Inc. (See Lasker, William W., assignor.)
Remington Rand Inc. (See Roggenstein, Edwin O., assignor.)
Reynolds Metals Company. (See Scheller, Ernest, assignor.)
Rheinmetall-Borsig Aktiengesellschaft. (See Waninger, Carl, assignor.)
Rhode Island Warp Stop Equipment Company. (See Smith, Edwin C., assignor.)
Ricchiardi, Pier C., Paris France. Recording and reproducing sound. 2,151,408; Mar. 21.
Richard, Rene G., Springfield, Ill. Electric match. 2,151,409; Mar. 21.
Richards, Norton L., Chicago, Ill. Fixed dimension gauge. 2,151,617; Mar. 21.
Richards-Wilcox Manufacturing Company. (See Jones, Malcolm L., assignor.)
Richardson, Olan. (See Logan, Richardson, Cooper, and Benziger.)
Richter, Herman W., assignor to G. O. Jenkins Company, Bridgewater, Mass. Making dust guards and/or packing. 2,151,410; Mar. 21.
Riess, Walter A., Chicago, Ill. Footwear ventilation. 2,151,152; Mar. 21.
Ripp, Joseph D., et al. (See Gorick, Frank G., assignor.)
Ritter, Heinrich. (See Zerweck, W., and Ritter.)
Ritzert, Norman J. (See Freedlander, A. L., and Ritzert.)
Roane, Arden E. (See Lehman, R. E., and Roane.)
Robbins, Charles F. (See Putnam, C. A., and Robbins.)
Roberts, Hardy, Austin, and C. H. Robertson, Fort Worth, Tex. Valve. 2,151,442; Mar. 21.
Roberts, Oscar L., Ardmore, assignor to The Atlantic Refining Company, Philadelphia, Pa. Countercurrent treatment of hydrocarbon oil. 2,151,529; Mar. 21.
Roberts, Richard S., Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Making insoluble anhydrite. 2,151,331; Mar. 21.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Oscillator and frequency multiplier. 2,151,332; Mar. 21.
Robertson, Charles H. (See Roberts, H., and Robertson.)
Robin, Jacob I., assignor, by mesne assignments, to International Mutoscope Reel Co. Inc., New York, N. Y. Changeable exhibitor. 2,151,333; Mar. 21.
Robinson, Lawrence R., Zelienople, Pa., assignor to United Combustion Corporation, Cleveland, Ohio. Heat recuperating wall structure for furnaces. 2,151,358; Mar. 21.
Robinson, Manuel G., Glen Ridge, N. J., assignor to General Electric Company. Refrigerating machine. 2,151,565; Mar. 21.
Robinson, Manuel G., Lynn, Mass., assignor to General Electric Company. Refrigerating machine. 2,151,564; Mar. 21.
Robot-Hand Corporation. (See Osuch, Francis J., assignor.)
Rockefeller, Harry E., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Joining metal members. 2,151,334; Mar. 21.
Rode, Fredrich J., and M. R. Hatch, Toledo, Ohio. Fluid operated clutch device. 2,151,153; Mar. 21.
Roethel, John H., assignor to Marvel Equipment Corporation, Detroit, Mich. Latch bolt and striker. 2,151,154; Mar. 21.
Rogers, Clifton L., Moss Point, Miss. Boat's drydock. 2,151,394; Mar. 21.
Roggenstein, Edwin O., Ilion, assignor to Remington Rand, Inc., New York, N. Y. Portable universal electric punch. 2,151,232; Mar. 21.
Roloff, Arthur L., assignor to Garden City Envelope Co., Chicago, Ill. Envelope machine. 2,151,665; Mar. 21.
Rose, Harold J., Pittsburgh, assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Draft control. 2,151,642; Mar. 21.
Ross, Charles E., and T. E. Perks, London, England. Registering device. 2,151,618; Mar. 21.
Rouy, Auguste L. M. A., Paris, France. Damping the vibrations of pipes. 2,151,280; Mar. 21.
Rowe, Howard J., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Drying roll. 2,151,048; Mar. 21.
Rowe, Louis F., assignor to American Optical Company, Southbridge, Mass. Lens blocking. 2,151,233; Mar. 21.
Rowlett, Vinton H. (See Hamilton, G. W., and Rowlett.)
Ruch, Philip, assignor to Ferrolene Gases, Inc., Cleveland, Ohio. Gas torch. 2,151,443; Mar. 21.
Rudolph, Chester A., and E. C. McCutcheon, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve. 2,151,050; Mar. 21.
Runk, William B., Waterbury, assignor to The F. Kelly Company, Derby, Conn. Automatic safetypin machine. 2,150,987; Mar. 21.
Rush, Norman M., Willow Grove, Pa. Tailgate mechanism for vehicles. 2,151,335; Mar. 21.
Ruska, Ernst, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Braun tube. 2,151,530; Mar. 21.
Russell, Charles L., Clayton, assignor to American Bakers Machinery Company, St. Louis, Mo. Dough divider. 2,151,444; Mar. 21.
Russell, John P., Honolulu, Hawaii. Climber for skis. 2,150,988; Mar. 21.
Rutten, Peter and W., Osakis, Minn. Building structure. 2,151,234; Mar. 21.
Rutten, Walter. (See Rutten, Peter and W.)
Rymland, Murray J., Baltimore, Md. Spring cushion unit. 2,151,155; Mar. 21.
Rzeppa, Alfred H., Grosse Pointe, Mich. Torque transmitting universal joint. 2,150,942; Mar. 21.
S. C. K. Corporation. (See Scott, Albert B., assignor.)
Saks, Ira. (See Jarrett, George T., assignor.)
Salkovitz, Harry B., et al. (See Gorick, Frank G., assignor.)
Salzberg, Paul L. (See Flint, R. B., and Salzberg.)
Sander, Wilhelm, Zwickau, Saxony, Germany. Nonskid cap for bicycle dynamos. 2,151,566; Mar. 21.
Saunders, Walter S., and T. A. McGregor, assignors to American Forging & Socket Company, Pontiac, Mich. Adjustable seat support. 2,151,156; Mar. 21.
Schaefer, Adolph O., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Machine tool. 2,151,445; Mar. 21.
Schaeren, Ernst, assignor to Scintilla, Ltd., Soleure, Switzerland. Combined engine starter and generator. 2,151,487; Mar. 21.
Scharlau, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio signaling apparatus. 2,151,336; Mar. 21.
Schelkunoff, Sergei A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Guided electromagnetic wave transmission. 2,151,157; Mar. 21.
Scheller, Ernest, Buechel, Ky., assignor to Reynolds Metals Company, New York, N. Y. Tin alloy. 2,151,302; Mar. 21.
Schering Aktiengesellschaft. (See Hildebrandt, Friedrich, assignor.)
Schick, Friedrich, assignor to the firm Deutsche Erdol-Aktiengesellschaft, Berlin-Schoneberg, Germany. Obtaining pure paraffin. 2,151,619; Mar. 21.
Schiff, Henry T., Chicago, Ill. Carbon lamp. 2,140,990; Mar. 21.
Schindhelm, Hans, Frankort-on-the-Main-Fechenheim, and C. T. Schultis, Bergen, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Copper complex compounds of polyazo dyestuffs. 2,151,531; Mar. 21.
Schmidt, Edward P., Milwaukee, assignor to Racine Shoe Manufacturing Co., Racine, Wis. Shoe. 2,151,235; Mar. 21.
Schmidt, Maximilian P., O. Süs, and G. Werner, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light-sensitive layers. 2,151,532; Mar. 21.
Schmitz, Fred A., Cincinnati, assignor to Globe-Wernicke Company, Norwood, Ohio. Tab insert. 2,151,359; Mar. 21.
Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake actuating mechanism. 2,150,991; Mar. 21.
Schnider, Otto. (See Preiswerk, E., and Schnider.)
Schoenberger, Otto H., Compton, Calif. Display machinery. 2,151,303; Mar. 21.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television scanner. 2,151,158; Mar. 21.
Schuch, Frank, Knoxville, Tenn. Glare shield for headlights. 2,151,620; Mar. 21.
Schultheiss, Hans, Weissenstadt, Germany. Nail extractor. 2,151,304; Mar. 21.
Schultis, Carl T. (See Schindhelm, H., and Schultis.)
Schultz, William. (See Heilmann, W. A., and Schultz.)
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Vertical drop-out fuse. 2,151,159; Mar. 21.
Schwartz, Muray. (See Schwartz, William and M.)
Schwartz, William and M., New York, assignors of one-third to F. J. Wallenberger, Buffalo, N. Y. Illuminated Screen. 2,151,236; Mar. 21.
Schwinn, Frank W., Chicago, Ill. Bicycle frame. 2,151,533; Mar. 21.
Scintilla, Ltd. (See Schaeren, Ernst, assignor.)
Scofield, Philip F., Palo Alto, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Multiple turn position indicator. 2,151,534; Mar. 21.
Scott, Albert B., assignor to S. C. K. Corporation, Los Angeles, Calif. Picture display cabinet. 2,150,992; Mar. 21.
Scott & Bowne. (See Bolté, Brown, assignor.)
Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. System of motor control. 2,151,237; Mar. 21.
Scurlock, Lewis H., Chicago, Ill. Cooking utensil. 2,151,535; Mar. 21.
Seaboard Oil Company of Delaware, et al. (See Vaughan, William H., assignor.)
Seekins, Berton L. (See Bradley, J. J., Jr., and Seekins.)

Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Control system. 2,151,160; Mar. 21.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Control system. 2,151,161; Mar. 21.
Seemann, Hugo J., Berlin-Steglitz, Germany, assignor to General Electric Company. Electrodes for arc discharge valves. 2,151,567; Mar. 21.
Segal, Theodore M., New York, N. Y. Billfold with secret pocket. 2,150,989; Mar. 21.
Sehner, Henri, Paris, France. Musical instrument. 2,151,337; Mar. 21.
Serdock, Arthur, Bellmore, N. Y. Measuring instrument. 2,151,305; Mar. 21.
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Servel, Inc. (See Ullstrand, Hugo M., assignor.)
Shakespeare, Henry G., assignor to Shakespeare Products Company, Kalamazoo, Mich. Electrical cigar lighter. 2,151,446; Mar. 21.
Shakespeare Products Company. (See Shakespeare, Henry G., assignor.)
Shanklin Manufacturing Company. (See Ludovici, Renato, assignor.)
Sharples, Laurence P., Ardmore, assignor to Milk Processes, Inc., Philadelphia, Pa. Making creamery products. 2,150,943; Mar. 21.
Sharples, Laurence P., Ardmore, assignor to Milk Processes, Inc., Philadelphia, Pa. Treatment of creamery products. 2,150,944; Mar. 21.
Shaw, Burton E., Adel, assignor to Penn Electric Switch Co., Des Moines, Iowa. Dual controlled switch. 2,151,238; Mar. 21.
Shaw, Charles P., assignor to Detroit Moulding Corporation, Detroit, Mich. Plate inking device and method. 2,151,411; Mar. 21.
Shearer, Francis W. (See Nevatt, C. G., and Shearer.)
Sheffield Steel Corporation. (See McFarland, Frank R., assignor.)
Shepard, David C. (See Smith, Swan, assignor.)
Sheppard, Raymond, Schenectady, N. Y., assignor to General Electric Company. Speed governor. 2,151,569; Mar. 21.
Sherrard, Earl C., E. Beglinger, J. P. Hohf, and R. L. Mitchell, and E. Bateman, deceased, by W. T. Bateman, Madison, Wis., special administrator, assignors to H. A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office. Utilization of sawdust for the production of plastics. 2,151,412; Mar. 21.
Sholtz, Leo. (See Leone, A., and Sholtz.)
Shonnard, Harold W., Montclair, N. J. Lifting and lowering mechanism. 2,151,338; Mar. 21.
Shook, Florian J., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Tire bead winding apparatus. 2,151,306; Mar. 21.
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for pulling synchronous motors into step. 2,151,162; Mar. 21.
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for pulling synchronous machines into step. 2,151,163; Mar. 21.
Shoults, David R., and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,151,570; Mar. 21.
Shu, Yoshiteru, Hokumon-Cho, Kagi City, Tainan, Taiwan, Japan. Fan. 2,151,643; Mar. 21.
Silesia, Verein Chemischer Fabrieken. (See Kallner, G., and Krause, assignors.)
Silven, Herbert A. (See Flygare, C. G., and Silven.)
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Crankshaft grinding machine. 2,151,666; Mar. 21.
Silverman, Charles, Providence, R. I. Tie holder. 2,151,164; Mar. 21.
Silverman, Irving, Hackensack, N. J. Garment hanger. 2,151,621; Mar. 21.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming brake drums. 2,151,568; Mar. 21.
Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)
Sinko, John, Chicago, Ill. Cigar lighter. 2,151,622; Mar. 21.
Sjostrom, Robert L. (See Moffit, Samuel A., assignor.)
Slatineanu, Eulampiu, assignor to Gewerkschaft Auguste, Oberhausen, Germany. Treating carbon or carbonaceous compounds. 2,151,165; Mar. 21.
Slatineanu, Eulampiu, assignor to Gewerkschaft Auguste, Oberhausen, Germany. Treating cellulosic material. 2,151,166; Mar. 21.
Slatineanu, Eulampiu, assignor to Gewerkschaft Auguste, Oberhausen, Germany. Treating colloidal hydrocarbons. 2,151,167; Mar. 21.
Slatineanu, Eulampiu, assignor to Gewerkschaft Auguste, Oberhausen, Germany. Treating organic oxygen compounds. 2,151,168; Mar. 21.
Slayter, Games, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Method and apparatus for spinning glass wool. 2,150,945; Mar. 21.
Sleeper & Hartley, Incorporated. (See Blount, William H., assignor.)
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,151,571; Mar. 21.
Slye, Edward A., East Hartford, E. Wild and J. B. Hoye, Hartford, and H. L. Spaunburg, Bristol, Conn., assignors, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind. Gearing for liquid dispensing apparatus. 2,151,239; Mar. 21.
Smart, Lon R., and M. Nelson, Rocksprings, Tex. Self-closing gate. 2,151,052; Mar. 21.
Smith, Beauford B., assignor to A. M. Hinman, Emigrant Gap, Calif. Method and apparatus for cargo loading and discharging in flight. 2,151,395; Mar. 21.
Smith-Clarke, George T., Coventry, England. Built-up crankshaft. 2,151,624; Mar. 21.
Smith, Edwin C., Providence, assignor to Rhode Island Ward Stop Equipment Company, Pawtucket, R. I. Reed cushioning device. 2,151,488; Mar. 21.
Smith, Frank E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Classification system. 2,150,946; Mar. 21.
Smith, Frank E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Washing apparatus. 2,150,947; Mar. 21.
Smith, F. Howard, et al., executors. (See Pugh, John D.)
Smith, L. C., & Corona Typewriters, Inc. (See Bradt, Charles H., assignor.)
Smith, Leonard C., assignor to Heating Ventilating & Air Conditioning Co. Inc., New York, N. Y. Air conditioning apparatus. 2,150,993; Mar. 21.
Smith, Reginald, et al. (See Eastin, Rollie R., assignor.)
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Machine for forming flanged end walls for containers. 2,151,169; Mar. 21.
Smith, Walter G. L., Los Angeles, Calif. Reinforced hose and constructing the same. 2,151,307; Mar. 21.
Smith, William A., Lyndonville, N. Y. Apparatus for making fruit products. 2,151,623; Mar. 21.
Snyder, Almond H., Lancaster, N. Y., assignor to National Battery Company, St. Paul, Minn. Outside plate for storage battery cells. 2,151,667; Mar. 21.
Societa Italiana Sfruttamento Brevetti Elettromeccanici. (See Torriani, Luigi, assignor.)
Socony-Vacuum Oil Company. (See Moran, R. C., and Kozacik, assignors.)
Solberg, Thorvald A., Washington, D. C. Absorption device. 2,151,053; Mar. 21.
Sommer, Fritz, Berlin-Charlottenburg, and M. Nassau, Berlin-Wilmersdorf, assignors to the firm Chemische Fabrik Grünau, Landshoff & Meyer A. G. Berlin-Grunau, Germany. Improving the properties of condensation products of high molecular split-off products of albumin with higher fatty acids as cosmetic products. 2,151,241; Mar. 21.
Soss, Joseph, Roselle, N. J. Covered joint hinge. 2,151,240; Mar. 21.
Souply, Elie, Broomfield, Colo. Automatically extensible fly swatter. 2,151,242; Mar. 21.
Southern States Equipment Co. (See Logan, J. T., Richardson, Cooper, and Benziger, assignors.)
Spatta, George, assignor to Clark Equipment Company, Buchanan, Mich. Axle housing and making the same. 2,150,948; Mar. 21.
Spaunburg, Harvey L. (See Slye, E. A., Wild, Hoye, and Spaunburg.)
Sperling, Wilhelm, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Spaceband for matrix composing and line casting machines. 2,151,396; Mar. 21.
Sperling, Wilhelm, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Spaceband for matrix composing and type line casting machines. 2,151,397; Mar. 21.
Sperry, Philmore F., assignor to Excel Auto Radiator Company, Chicago, Ill. Film winding means for cameras and the like. 2,151,536; Mar. 21.
Squibb, E. R., & Sons. (See Moness, Eugene, assignor.)
Squires, John, Detroit, Mich., assignor to United Aircraft Corporation, East Hartford, Conn. Propeller blade. 2,151,243; Mar. 21.
Stadelbauer, Walter, Dusseldorf, Germany. Truing tool for grinding wheels. 2,151,572; Mar. 21.
Stalkfleet, Harry A., Lawrence, Kans., assignor of one-half to L. Stalkfleet, Muscatine, Iowa, and one-fourth to D. F. Reed, Lawrence, Kans. Can handling fork. 2,151,281; Mar. 21.
Stalkfleet, Lee, et al. (See Stalkfleet, Harry A., assignor.)
Stamp, Floyd R., Wabash, Ind. Manufacture of frozen confections. 2,151,282; Mar. 21.
Stanecliffe Free-Wheeling Limited. (See Warwick, Arthur J., assignor.)
Standard Brands Incorporated. (See Lockey, James, assignor.)
Standard Oil Company of California. (See Johnston, Archibald P., assignor.)
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pressure mechanism for fastening-inserting machines. 2,151,054; Mar. 21.

Stanley, Charles J., Chicago, Ill., assignor of one-half to J. T. Welch, Dowagiac, Mich. Tiled wall and tile therefor. 2,151,447; Mar. 21.
Stanley, Nathan M., Dayton, Ohio. Synthetic resin magnifying glass. 2,151,573; Mar. 21.
Stark, Fred, Hawthorne, N. J. Three-dimension picture device. 2,151,055; Mar. 21.
Starline, Inc. (See Ferris, Robert G., assignor.)
Star-Service Hanger Company. (See Coney, Arthur F., assignor.)
Star-Service Hanger Company. (See Coney, James D., assignor.)
Steel Heddle Manufacturing Company. (See Kaufmann, Frank H., assignor.)
Stein, Leonhard. (See Bockmühl, M., Ehrhart, and Stein.)
Steinberg, Amata, born Klingenberg, Berlin-Schmargendorf, Germany. Cloth. 2,151,448; Mar. 21.
Steinen, William, South Orange, N. J. Implement handle. 2,151,449; Mar. 21.
Stephan, Ray C. (See Ohme, W. F., and Stephan.)
Stephens, Henry C., assignor to Natural Food Products Company, Orange, Calif. Method and means for deaerating liquid food products. 2,151,644; Mar. 21.
Stephens, Henry C., and S. B. Hoar, assignors to Natural Food Products Company, Orange, Calif. Method and means for deaerating and irradiating liquid food products. 2,151,645; Mar. 21.
Stevens, Josiah B., Aurora, assignor, by mesne assignments, to The Lehon Company, Chicago, Ill. Shingle. 2,151,537; Mar. 21.
Stevens, William H., San Francisco, Calif. Metal spray apparatus. 2,150,949; Mar. 21.
Stewart-Warner Corporation. (See Thomas, G. F., and Bystricky, assignors.)
Stites, James H., Waterford, Mich. Building structure. 2,151,244; Mar. 21.
Stockdale, Harry C., Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,151,283; Mar. 21.
Stone, Edwal A., Kansas City, Mo., assignor to O. M. Franklin Serum Company, Denver, Colo. Comb. 2,151,056; Mar. 21.
Storey, Omar M. (See Ramel, H. M., and Storey.)
Stroebel, Howard C. (See Black, J. P., and Stroebel.)
Stromberg, Emil A. (See Mitchell, Henry W., assignor.)
Subkow, Philip, Los Angeles, and L. Dillon, San Gabriel, assignors to Union Oil Company of California, Los Angeles, Calif. Subsurface speed-up drilling mechanism. 2,151,646; Mar. 21.
Suhayda, George, New York, N. Y. Adjustable razor sharpener. 2,151,450; Mar. 21.
Sullivan Machinery Company. (See Clapp, Lewis J., assignor.)
Sullivan Machinery Company. (See Noble, Warren; assignor.)
Sullivan, Roy W., Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Making calcium sulphate. 2,151,339; Mar. 21.
Sundstrand Machine Tool Co. (See Ades, Lewis B., assignor.)
Surface Combustion Corporation. (See Cowan, Roysel J., assignor.)
Sliis, Oskar. (See Schmidt, M. P., Sliis, and Werner.)
Suth, Jack, Houston, Tex. Well drilling machine. 2,151,057; Mar. 21.
Svenska Aktiebolaget Gasaccumulator. (See Hallström, Nils A. L., assignor.)
Swanson, Eric H., Park Ridge, Ill. Filter. 2,151,538; Mar. 21.
Sweeny, Charles P., assignor to Vickers, Incorporated, Detroit, Mich. Motor system. 2,151,058; Mar. 21.
Swift, Claude E. (See Dillon, L., and Swift.)
Swilens, Charles, Chicago, Ill. Lock. 2,151,245; Mar. 21.
Swiler, Carlton P., Jr. (See Young, Raymond G., assignor.)
Sylvén, Gustaf. (See Vestergren, Harry E. M., assignor.)
Tafel, Theodore, Jr., Forest Hill Village, Toronto, Ontario, Canada. Treating molten metal. 2,151,360; Mar. 21.
Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,150,994; Mar. 21.
Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Wire bracket. 2,150,995; Mar. 21.
Talon, Inc. (See Devoe, Albert H., assignor.)
Taylor, Irving A. (See Flygare, C. G., and Taylor.)
Taylor, Rowland L. (See Frohman, Philip H., assignor.)
Taylor, William H., and S. C. Kershaw, Pawtucket, R. I., assignors to The Clark Thread Company, Newark, N. J. Band forming and placing apparatus. 2,151,340; Mar. 21.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ewald, W. F., and Wilhelm, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Scharlau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Tellegen, Bernardus D. H., J. Peek, G. Hepp, and V. C. Henriquez, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Receiver noise suppression circuit. 2,151,170; Mar. 21.
Texas Company, The. (See de Florez, Luis, assignor.)
Theodos, Vangel, San Francisco, Calif. Splice bar. 2,151,361; Mar. 21.
Thoma, Hans, Karlsruhe, Germany. Power transmission mechanism. 2,150,950; Mar. 21.
Thomas, Charles E., Grass Valley, Calif. Forming machine. 2,151,246; Mar. 21.
Thomas, Edward T. (See Page, R., and Thomas.)
Thomas, George F., Riverside, and J. Bystricky, Chicago, Ill., assignors to Stewart-Warner Corporation. Lubricating apparatus. 2,151,171; Mar. 21.
Thomas, Harold S., Chatham, Ontario, Canada, assignor to The American Pad & Textile Company, Greenfield, Ohio. Horse-collar pad. 2,151,247; Mar. 21.
Thompson, Elmer O., Beverly, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Variable resistor. 2,151,625; Mar. 21.
Thompson, Ralph E. (See Prince, Robert K., assignor.)
Tidewater Associated Oil Company, et al. (See Vaughan, William H., assignor.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Spring catch. 2,151,284; Mar. 21.
Toledo Porcelain Enamel Products Company, The. (See Meeker, Daniel M., assignor.)
Toole, Harry S., Staunton, and I. V. Hitt, Waynesboro, Va., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for the production of artificial thread. 2,150,951; Mar. 21.
Torriani, Luigi, assignor to Societa Italina Sfruttamento Brevetti Elettromeccanici, Milan, Italy. Double ignition system for internal combustion engines. 2,150,996; Mar. 21.
Toussaint, Norbert F., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating metal surfaces during cold-working. 2,151,285; Mar. 21.
Towne, Leland J., Oklahoma City, and E. B. De Loe, Sapulpa, Okla. Valveless sand pump. 2,151,059; Mar. 21.
Tracy, Howard E., assignor to O. W. Walker Co. Incorporated, Worcester, Mass. Angular magnetic chuck. 2,151,362; Mar. 21.
Trailer Company of America, The. (See Black, James J., assignor.)
Travers, Fred H., Milford, Conn., assignor to General Electric Company. Switch handle. 2,151,626; Mar. 21.
Troy, Seymour, New York, N. Y. Low shoe. 2,151,286; Mar. 21.
Truscon Laboratories, The. (See Plumb, Roy A., assignor.)
Tschudy, William, and T. W. Halliday, Los Angeles, assignors of one-third to B. Dibble, Redlands, Calif. Apparatus for preparing fuel for combustion. 2,151,060; Mar. 21.
Turbo-Mixer Corporation, The. (See Petry, Clayton H., assignor.)
Tyson Roller Bearing Corporation. (See Winkler, George D., assignor.)
Ufer, Hanns. (See Krzikalla, H., Ufer, Eistert, and Klaproth.)
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Refrigeration. 2,151,451; Mar. 21.
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Binder. 2,151,539; Mar. 21.
Union Carbide and Carbon Corporation. (See Rockefeller, Harry E., assignor.)
Union Oil Company of California. (See Aldridge, B. G., and Ragatz, assignors.)
Union Oil Company of California. (See Dillon, L., and Swift, assignors.)
Union Oil Company of California. (See Subkow, P., and Dillon, assignors.)
Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
United Aircraft Corporation. (See Squires, John, assignor.)
United Combustion Corporation. (See Robinson, Lawrence R., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Duckoff, Maxwell E., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Fredericksen, James P.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United States of America, as represented by Secretary of Interior. (See Miller, Bruce D., assignor.)
Universal Hydraulic Corporation. (See Glover, Robert E., assignor.)

Universal Lamp Company. (See Horsley, James H., assignor.)
Vacquier, Victor V., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for and method of measuring the terrestrial magnetic field. 2,151,627; Mar. 21.
Vafit, George, New York, N. Y. Clothes protector for clothesline. 2,151,489; Mar. 21.
Van Bain, William, assignor to Neo-Rite Company, San Antonio, Tex. Neon advertising sign. 2,150,902; Mar. 21.
Vander Henst, Jan, Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Completing oil or gas wells. 2,151,029; Mar. 21.
Van Derveer, Clarence A., Chicago, Ill., assignor, by mesne assignments, to S. Karpen & Bros. Chair seat. 2,151,628; Mar. 21.
Vanhorn, James J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,151,061; Mar. 21.
Varga, Alexander, Budapest, Hungary. Heat exchanger and making same. 2,151,540; Mar. 21.
Varga, Paul, Stamford, Conn. Portable Turkish or Russian steam bath. 2,151,490; Mar. 21.
Vaughan, William H., Palestine, Tex., assignor to Tidewater Associated Oil Company, Tulsa, Okla., and Seaboard Oil Company of Delaware, Dallas, Tex. High-pressure gas process. 2,151,248; Mar. 21.
Ventrite, Inc. (See Hucke, Charles H., assignor.)
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Wall surfacing unit. 2,150,997; Mar. 21.
Vestergren, Harry E. M., assignor to G. Sylvén, Stockholm, Sweden. Fastening attachable heels or soles to shoes. 2,151,341; Mar. 21.
Vickers, Incorporated. (See Sweeny, Charles P., assignor.)
Vidmar, John P., Mountain Iron, Minn. Gasoline tank cap operator. 2,151,249; Mar. 21.
Villarreal, Humberto R., Mexico, D. F., Mexico. Oscillatory wind motor. 2,151,172; Mar. 21.
Vitolo, Louis, New York, assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y. Half frame mounting for eyeglasses. 2,151,668; Mar. 21.
Voices, Incorporated. (See Wilhelm, John H., assignor.)
Von Bleichert, Wolfram, Leipzig, assignor to W. Agahd, Berlin, Germany. Steering device for endless track driven vehicles. 2,151,287; Mar. 21.
Von Henke, Edmund J., assignor to American Electric Fusion Corporation, Chicago, Ill. Welding apparatus. 2,151,342; Mar. 21.
V. Piotrowski, Waclaw J., and J. Winkler, Drohobycz, Poland. Obtaining organic compounds from the acid sludge from refining of mineral oils. 2,151,147; Mar. 21.
Wabash Fibre Box Company, The. (See Hubbard, Ward J., assignor.)
Waddell, Benson F., Jackson Heights, assignor to The Wilcolator Company, Newark, N. J. Thermostatic device. 2,151,541; Mar. 21.
Wade, Robert W. (See McNeill, W. G., Kern, and Wade.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wahl Company, The. (See Back, Robert, assignor.)
Wainscott, Vernon, Lexington, Ky. Reconditioning car journals. 2,151,062; Mar. 21.
Wald Mfg. Co. (See Pawsat, Reuben, assignor.)
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Walker, Joseph B., Hollywood, Calif. Forming and decoding secret messages. 2,151,452; Mar. 21.
Walker, Joseph B., Hollywood, assignor of one-third to F. Capra, and one-third to S. K. Johnson, Los Angeles County, Calif. Forming, transmitting, and decoding secret messages. 2,151,453; Mar. 21.
Walker, O. W., Co. Incorporated. (See Tracy, Howard E., assignor.)
Wallace, Henry A., as Secretary of Agriculture of the United States of America and his successors in office. (See Sherrard, E. C., Beglinger, Hohf, Mitchell, and Bateman.)
Wallenberger, Francis J. (See Schwartz, W. and M., assignors.)
Wallis, Lionel S., Knowle, England. Machine for recording and reproducing sound magnetically. 2,151,629; Mar. 21.
Walsh, Carrol H. (See Pittman, R. R., and Walsh.)
Walter, John C., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Carrier transmission. 2,151,454; Mar. 21.
Waltham Watch Company. (See Flagg, Frederick P., assignor.)
Waninger, Carl, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Gun loading device. 2,151,288; Mar. 21.
Waninger, Carl, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Gun having means for directly canting the trunnion axis. 2,151,630; Mar. 21.
Ward, Frederick A., Highland Park, assignor to Gear Grinding Machine Company, Detroit, Mich. Universal joint. 2,150,952; Mar. 21.
Ward, Leonard A., Denver, Colo. Furnace stoker. 2,151,575; Mar. 21.
Ward, Leonard A., Denver, Colo., assignor to L. A. Ward, Inc. Furnace stoker. 2,151,574; Mar. 21.
Ward, L. A., Inc. (See Ward, Leonard A., assignor.)
Warnke, Clemenes A., Grand Rapids, Mich. Bean harvester. 2,151,289; Mar. 21.
Warshaw, Julius J., New York, assignor to Kubmarker Waxed Paper Co., Inc., Brooklyn, N. Y. Waxed paper packaging. 2,150,998; Mar. 21.
Warwick, Arthur J., assignor to Stancliffe Free-Wheeling Limited, London, England. Spray device for vehicles. 2,151,250; Mar. 21.
Washburn, Cornelius C., Lakeland, Fla. Bookmarker. 2,150,953; Mar. 21.
Washburn, Selden G., Goodwin, S. Dak. Snow plow. 2,151,491; Mar. 21.
Wayne Pump Company, The. (See Slye, E. A., Wild, Hoye, and Spaunburg, assignors.)
Weaver, Ira A., assignor to Weaver Manufacturing Company, Springfield, Ill. Automobile body repairing appliance. 2,151,063; Mar. 21.
Weaver Manufacturing Company. (See Weaver, Ira A., assignor.)
Wedler, Frederick C., Easthampton, Mass. Method and apparatus for jig-dyeing fabrics. 2,151,363; Mar. 21.
Wehe, Herman G. (See Christensen, C. J., Goucher, and Wehe.)
Weidner, George J., Cincinnati, Ohio. Universal boring tool. 2,151,251; Mar. 21.
Weinheimer, Claude M. (See Pittman, L. V., and Weinheimer.)
Weiss, Adolf. (See Callsen, A., and Weiss.)
Weiss, Adolf, Marbach, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung. Starting apparatus for internal combustion engines. 2,151,492; Mar. 21.
Weissenborn, Adolf, Hamburg, assignor to the firm Fabrik Chemischer Praeparate Von Dr. Richard Sthamer, Hamburg-Billbrook, Germany. Producing air foam. 2,151,398; Mar. 21.
Welch, John T. (See Stanley, Charles J., assignor.)
Werner, Georg. (See Schmidt, M. P., Süs, and Werner.)
West, Lawrence J. (See Crane, M. L., and Fisher, assignors.)
Western Electric Company. (See Bouvier, G. A., and Crane, assignors.)
Western Electric Company. (See Bouvier, G. A., and Larsen, assignors.)
Westinghouse Electric & Manufacturing Company. (See Beese, Norman C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Nutto, Louis A., assignor.)
Wetmore Reamer Company. (See Hassig, Edward, assignor.)
Wheeler, Brian, Beloit, Wis., assignor to Heisler Locomotive Works, Erie, Pa. Valve actuating mechanism. 2,151,647; Mar. 21.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Grid-controlled mercury arc discharge device or rectifier. 2,151,576; Mar. 21.
White, Clarence B., Montclair, N. J. Mineral dye and making same. 2,150,954; Mar. 21.
White, Eugene B., Oak Park, Ill. Building construction. 2,151,399; Mar. 21.
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Whitney, Paul V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material handling method. 2,151,253; Mar. 21.
Whitmore, Frank C., State College, Pa., and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Alkyl halides containing a quaternary carbon atom. 2,151,252; Mar. 21.
Whiton, Lucius E., New London, Conn. Lathe chuck. 2,151,455; Mar. 21.
Whittemore, Winthrop C., assignor to The Dentists' Supply Company of New York, New York, N. Y. Pontic tooth. 2,151,542; Mar. 21.
Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier and speech transmission system. 2,151,173; Mar. 21.
Wight, Darahl A., Lansing, Mich. Tow and push clamp. 2,150,999; Mar. 21.
Wilcolator Company, The. (See Waddell, Benson F., assignor.)
Wilcox, Hugh B. (See Hartig, Henry E., assignor.)
Wild, Edward. (See Slye, E. A., Wild, Hoye, and Spaunburg.)
Wildt and Company Limited. (See Kent, A. W., and Holmes, assignors.)
Wiley, John M. (See Redell, W. A., and Wiley.)
Wilhelm, John H., Hamilton Beach, assignor to Voices, Incorporated, New York, N. Y. Doll voice and mounting for same. 2,151,456; Mar. 21.
Wilhelm, Karl. (See Ewald, W. F., and Wilhelm.)
Williams, Frank A., Detroit, Mich. Internal combustion engine. 2,150,955; Mar. 21.
Williams, Frank B., Chicago, Ill. Shoe cleaning device. 2,151,254; Mar. 21.
Williams, Lloyd M., Oak Park, assignor, by mesne assignments, to Lloyds Mfg. Co., Chicago, Ill. Automatic starting device for internal combustion engines. 2,151,400; Mar. 21.

Williams, Robley C., Ann Arbor, Mich. Coating surfaces by thermal evaporation. 2,151,457; Mar. 21.
Williams, William E., Hampstead, London, England. Optical interferometer. 2,151,631; Mar. 21.
Wills, William A. (See Foulke, W. B., and Wills.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Ray O., Los Angeles, Calif. Applying bindings to container mouth covers. 2,151,000; Mar. 21.
Winegarden, Howard M., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Anthrax vaccine. 2,151,364; Mar. 21.
Winkler, George D., Stark County, near Dalton, assignor to Tyson Roller Bearing Corporation, Massillon, Ohio. Machine for centerless grinding articles such as tapered rollers. 2,151,365; Mar. 21.
Winkler, Jozef. (See v. Piotrowski, W. J., and Winkler.)
Winter, Fred H. (See Lauder, A. H., and Winter.)
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,151,174; Mar. 21.
Winters & Crampton Corporation. (See De Voe, G. E., and Mark, assignors.)
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Stein, assignors.)
Wired Radio, Inc. (See Curtis, Richard C., assignor.)
Wired Radio, Inc. (See Walter, John C., assignor.)
Witchger, Eugene J., assignor to The Lufkin Rule Company, Saginaw, Mich. Spring nut. 2,151,255; Mar. 21.
Witherow, William P. (See Henderson, Albert, assignor.)
Withington, Winthrop, Shaker Heights, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Weed cutting implement. 2,151,577; Mar. 21.
Wittlinger, Charles F. (See Elsey, G. W., and Wittlinger.)
Woltynek, Paul, Peoria, Ill. Trimmer. 2,151,413; Mar. 21.
Wolf, Alexander, Lehigh, Kans. Wheel scraper. 2,151,256; Mar. 21.
Wolf Safety Lamp Co. of America, Inc. (See Anglada, Domingo, assignor.)
Wolfe, George M., Jr. (See Kauffmann, H. O., and Wolfe.)
Wood, Wallace H., assignor to Norton Company, Worcester, Mass. Polishing machine. 2,151,670; Mar. 21.
Wood, Wallace H., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,151,669; Mar. 21.
Woodberry, John H., Washington, D. C. Pressure indicator. 2,150,956; Mar. 21.
Worthington, Horace J. (See Penny, R. J., and Worthington.)
Wright, Lon D., Fremont, Nebr. Cleaning water mains. 2,151,671; Mar. 21.
Wuensch, Charles E., Joplin, Mo., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del. Ore dressing. 2,151,175; Mar. 21.
Wuensch Hetero Concentration Process Company. (See Wuensch, Charles E., assignor.)
Wuest, Adam, Inc. (See Wuest, E. T. and H. A., assignors.)
Wuest, Elmer T. and H. A., assignors to Adam Wuest, Inc., Cincinnati, Ohio. Couch. 2,151,257; Mar. 21.
Wuest, Herbert A. (See Wuest, Elmer T. and H. A.)
"Yard-Man", Inc. (See Funk, Truman B., assignor.)
Youker, Malcolm P., Bartlesville, Okla. Circulating heater. 2,151,290; Mar. 21.
Young, Leonard A., Detroit, Mich. Nut and like machine element and making. 2,151,258; Mar. 21.
Young, Otto W. (See Gibbons, H. R., and Young.)
Young, Raymond G., assignor of one-half to C. P. Swiler, Jr., Omaha, Nebr. Book rack. 2,151,259; Mar. 21.
Zebrowski, Alexander, Stamford, Conn. Window sash lock. 2,151,632; Mar. 21.
Zerweck, Werner, and H. Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid wool dyestuff. 2,151,543; Mar. 21.
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machines. 2,151,308; Mar. 21.
Zublin, John A., Los Angeles, Calif. Composite bit. 2,151,544; Mar. 21.
Zublin, John A., Los Angeles, Calif. Composite bit. 2,151,545; Mar. 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Exposure control, Automatic. J. Karg. Re. 21,034; Mar. 21.

Refrigerator. W. Hirche. Re. 21,033; Mar. 21.

Solids, Processing finely divided. E. C. de Stubner. Re 21,032; Mar. 21.

LIST OF PLANT INVENTIONS

Carnation. A. F. J. Baur. 319; Mar. 21.

LIST OF DESIGN INVENTIONS

Aerial, Automobile radio. A. J. Gardella and C. W. Buckingham. 113,907; Mar. 21.
Airship. S. T. Rogers. 113,879–81; Mar. 21.
Alphabet for forming monograms or similar articles. M. Chernow. 113,903–4; Mar. 21.
Bandeau or similar article. J. Kahn. 113,843; Mar. 21.
Bank, Coin. D. H. Zell. 113,889; Mar. 21.
Bottle. W. R. Kohl. 113,867; Mar. 21.
Bottle. W. R. Leach. 113,869; Mar. 21.
Bottle. I. D. Tefft, T. Christenson, Jr., and W. W. Hoople. 113,858; Mar. 21.
Bottle and stopper therefor, Combined. F. E. Ansell. 113,862; Mar. 21.
Bottle, Glass. A. C. Meyer. 113,872; Mar. 21.
Bottle, Perfume. S. Miyaki. 113,875; Mar. 21.
Bowl, Fingernail. M. Ragan. 113,853; Mar. 21.
Box, Jewelry. J. R. Dean. 113,928; Mar. 21.
Box, Jewelry. J. R. Sundee. 113,857; Mar. 21.
Bracelet. A. Philippe. 113,939–40; Mar. 21.
Bracelet and memo pad, Combined. K. Van Cott. 113,859; Mar. 21.
Brassière bodice. R. Freedman. 113,893; Mar. 21.
Brush, Nail. C. Jobst. 113,842; Mar. 21.
Cabinet, Dispensing machine. L. M. Persons. 113,899; Mar. 21.
Cabinet, Pot cover. R. J. Miller. 113,874; Mar. 21.
Calendar, Pocket. B. Pink. 113,878; Mar. 21.
Cane, Walking. T. H. Fletcher. 113,865; Mar. 21.
Case, Piano. W. M. Day. 113,833–5; Mar. 21.
Case, Piano. T. J. Dentz. 113,891; Mar. 21.
Casing, Heater. J. M. Aufiero. 113,863; Mar. 21.
Chair, Beach. W. E. Pharo. 113,852; Mar. 21.
Chart and indoor radio aerial, Combined time conversion. J. A. Morgan. 113,931; Mar. 21.
Clip, Pin. A. Philippe. 113,946; Mar. 21.
Coat. W. Heitner. 113,932–6; Mar. 21.
Coat. E. Minkoff. 113,937; Mar. 21.
Coat. S. Zimmerman. 113,941; Mar. 21.
Comb or similar article. J. Kahn. 113,844; Mar. 21.
Container and support therefor, Combined perfume. D. West. 113,887; Mar. 21.
Container for golf balls and tees, Display. R. K. Hines. 113,840; Mar. 21.
Cover, Card table. T. S. Cart. 113,902; Mar. 21.
Cover, Card-table. V. A. Davenport. 113,927; Mar. 21.
Crusher, Ice. O. Kleppner. 113,847; Mar. 21.
Defecator. W. C. Groeniger. 113,838; Mar. 21.
Die or the like. R. Moure. 113,876; Mar. 21.
Dispenser and closure for a container, Combined. E. R. Hacmac. 112,894; Mar. 21.
Divan. T. M. Cross. 113,832; Mar. 21.
Dress. T. Coleman. 113,942–3; Mar. 21.
Dress. A. Engel. 113,906 Mar. 21.
Dress. H. M. Harris. 113,944; Mar. 21.
Dress. N. Helfman. 113,908; Mar. 21.
Dress. M. Michelson. 113,873; Mar. 21.
Dress. J. Parnis. 113,915; Mar. 21.
Dress. A. Ruchman. 113,916–20; Mar. 21.
Dress. E. Shell. 113,947; Mar. 21.
Dress. H. C. Shelton. 113,950–1; Mar. 21.
Dress ensemble. H. C. Shelton. 113,948–9; Mar. 21.
Fabric, Elastic textile. H. Barr. 113,901; Mar. 21.
Fabric or similar article, Textile. M. Christen. 113,954; Mar. 21.
Fabric or similar article, Textile. M. Turpan. 113,923; Mar. 21.
Fabric, Textile. R. Flatow. 113,955; Mar. 21.
Fabric, Textile. J. Horowitz. 113,909–12; Mar. 21.
Fabric, Textile. J. Horowitz. 113,956; Mar. 21.
Fabric, Textile. A. S. Mandelbaum. 113,957; Mar. 21.
Fabric, Textile. W. Simpson. 113,922; Mar. 21.
Flashlight. A. J. Desimone. 113,864; Mar. 21.
Game board. R. P. Schiffmann. 113,883; Mar. 21.
Girdle. S. W. Kunstadter. 113,868; Mar. 21.
Grille guard. P. C. Marrera. 113,871; Mar. 21.
Grille or similar article, Radio or phonograph cabinet. L. E. Lorden. 113,870; Mar. 21.
Handbag. L. J. Berman. 113,830; Mar. 21.
Handbag. F. N. Lewis. 113,849; Mar. 21.
Hat. E. Schoen. 113,921; Mar. 21.
Holder for pocketbooks, gloves, and the like. W. E. Hutchison. 113,895; Mar. 21.
Knife. G. Agostineto. 113,829; Mar. 21.
Knocker, Door. N. Seiler. 113,884; Mar. 21.
Lamp. L. Ludwig. 113,850; Mar. 21.
Lamp and air circulator, Combined. A. E. Blumenthal. 113,831; Mar. 21.
Lamp or similar article, Mirror. M. Langbaum. 113,929; Mar. 21.
Lamp or similar article, Bed. M. Langbaum. 113,945; Mar. 21.
Letters for forming monograms, Alphabet. H. C. Valsey 113,958; Mar. 21.
Lock or similar article, Venetian blind cord. J. Nisenson. 113,898; Mar. 21.
Luminaire. L. C. Doane. 113,837; Mar. 21.
Mask, Electric facial. S. Dansk. 113,926; Mar. 21.
Mask for a typewriting machine. N. J. Dowd and H. J. Hart. 113,892; Mar. 21.
Necklace. A. Philippe. 113,938; Mar. 21.
Ornament, Christmas Tree. P. Krantz and A. P. Schmid. 113,848; Mar. 21.
Paper, Decorative. C. W. von Ehrn. 113,925; Mar. 21.
Partition or similar article, Draped. M. Lange. 113,930; Mar. 21.
Plate, Oyster. A. W. Dixon. 113,836; Mar. 21.
Platter or similar article, Serving. C. K. Smith. 113,856; Mar. 21.
Pump. C. Karstadt. 113,845–6; Mar. 21.
Radio set. H. J. Tyzzer. 113,924; Mar. 21.
Razor, Electric. H. J. Rand and W. H. Nichols. 113,854; Mar. 21.
Redingote. E. M. Ciccone. 113,905; Mar. 21.
Register, Cash. W. D. Teague, W. D. Teague, Jr., and E. W. Herman. 113,900; Mar. 21.
Shade, Lamp. J. Kurzac. 113,913; Mar. 21.
Shirt. S. M. Warshaw. 113,886; Mar. 21.
Shoe or similar article. A. Perugia. 113,877; Mar. 21.
Shoe sole. R. R. Cowen. 113,890; Mar. 21.
Shoe sole. E. J. McCarthy. 113,851; Mar. 21.
Shorts or similar article. H. M. McDonald. 113,896; Mar. 21.
Slicing machine or similar article, Meat. T. L. Hand. 113,839; Mar. 21.
Spectacle frame. A. Sanders. 113,882; Mar. 21.
Spoon or other article of flatware. L. V. M. Helander. 113,866; Mar. 21.
Suit. S. Zimmerman. 113,952; Mar. 21.
Suit ensemble. A. Breitman. 113,953; Mar. 21.
Suit, Swim. I. Mirsky. 113,914; Mar. 21.
Surfacing machine. R. E. Wolfe and R. F. Kneisley. 113,860; Mar. 21.
Tilter for Venetian blinds or similar article. J. Nisensen. 113,897; Mar. 21.
Tray. R. R. Hutcheson. 113,841; Mar. 21.
Tricycle. R. R. Wilcox, Jr. 113,888; Mar. 21.
Velocipede frame member. E. A. Anderson. 113,861; Mar. 21.
Vessel, Passenger. H. B. Spear. 113,885; Mar. 21.
Vibrator, Pedate. S. B. Sklar. 113,855; Mar. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adjustable seat. A. A. Buchner. 2,151,419; Mar. 21.
Absorption device. T. A. Solberg. 2,151,053; Mar. 21.
Acyl derivatives of tetralylquinol, Preparing. Y. Asahina. 2,151,371; Mar. 21.
Adhesives, Applying. R. Barnard. 2,151,344; Mar. 21.
Aeration apparatus. J. Lockey. 2,151,126; Mar. 21.
Aerial. A. O. Haukedahl. 2,151,102; Mar. 21.
Air cleaner. C. J. Glanzer. 2,151,593; Mar. 21.
Air compressor. C. E. Burch. 2,151,402; Mar. 21.
Air conditioning apparatus. L. C. Smith. 2,150,993; Mar. 21.
Air foam, Producing. A. Weissenborn. 2,151,398; Mar. 21.
Aircraft landing equipment. H. I. Becker. 2,151,549; Mar. 21.
Airplane. W. E. Looney. 2,151,128; Mar. 21.
Aircraft, Rotary wing. R. Hafner. 2,150,969; Mar. 21.
Alcohols, Production of higher molecular. W. Hentrich, C. A. Lainau, and W. J. Kaiser. 2,151,106; Mar. 21.
Alkali metal fluorides and hydroxides, Manufacture of. F. Gewecke. 2,151,022; Mar. 21.
Alloy: *See*—
Tin alloy.
Alternating current motor. W. E. Bostwick. 2,151,460; Mar. 21.
Amides of acids of phosphorus. R. B. Flint and P. L. Salzberg. 2,151,380; Mar. 21.
Amplification control circuit. H. Bartels. 2,151,070; Mar. 21.
Anhydrite, Making insoluble. R. S. Roberts. 2,151,331; Mar. 21.
Animal trap. R. C. Porciuncula. 2,151,046; Mar. 21.
Antiskid chain. E. Littmann. 2,151,520; Mar. 21.
Apparatus for stabilizing sprung bodies. W. R. Oyston. 2,151,663; Mar. 21.
Apparatus for transferring molten materials. J. D. Pugh. 2,151,391; Mar. 21.
Apparatus for the transportation of molten materials. J. D. Pugh. 2,151,392; Mar. 21.
Apparatus for the transportation of molten materials. S. W. Randolph. 2,151,393; Mar. 21.
Applicator, Powder. B. Bolte. 2,151,418; Mar. 21.
Arc discharge device or rectifier, Grid-controlled mercury. F. P. Whitaker. 2,151,576; Mar. 21.
Arylnitroalkanols, Preparation of. J. Kamlet. 2,151,517; Mar. 21.
Armored shoe. H. G. Josephson. 2,151,554; Mar. 21.
Article for structural and other purposes. R. H. Anderson. 2,151,066; Mar. 21.
Articles formed of flexible strip material, Manufacturing hollow. E. L. Diot. 2,151,088; Mar. 21.
Arylamino-aryloxy-hydroxy-anthraquinones. E. C. Buxbaum. 2,151,634; Mar. 21.
Attachment plug. J. P. Ogle. 2,151,226; Mar. 21.
Automatic fading control circuit. F. Klutke. 2,151,120; Mar. 21.
Automobile body repairing appliance. I. A. Weaver. 2,151,063; Mar. 21.
Axle housing and making the same. G. Spatta. 2,151,948; Mar. 21.
Bag: *See*—
Shoe bag.
Bag. H. H. Orr. 2,151,523; Mar. 21.
Bag. W. A. Plummer, Jr. 2,150,985; Mar. 21.
Bait container, Live. W. Newton. 2,151,225; Mar. 21.
Bales and the like, Apparatus for handling. C. A. Bertel. 2,150,960; Mar. 21.
Band forming and placing apparatus. W. H. Taylor and S. C. Kershaw. 2,151,340; Mar. 21.
Bar: *See*—
Splice bar.
Barrier for bus ducts. M. J. De Mask. 2,150,963; Mar. 21.
Bath, Portable Turkish or Russian steam. P. Varga. 2,151,490; Mar. 21.
Battery construction, Vehicle. J. Galamb. 2,151,424; Mar. 21.
Battery unit, Dry cell. C. P. Deibel. 2,151,193; Mar. 21.
Bearing: *See*—
Truck center bearing.
Bedsheet. A. R. De Voe. 2,151,375; Mar. 21.
Beer dispensing device. T. A. Hutsell. 2,151,110; Mar. 21.
Belt connector. A. L. Freedlander and N. J. Ritzert. 2,151,095; Mar. 21.
Beverage dispensing device. C. H. Heitman. 2,151,104; Mar. 21.
Beverage making apparatus. F. Lobl. 2,151,407; Mar. 21.
Bicycle frame. F. W. Schwinn. 2,151,533; Mar. 21.
Billfold with secret pocket. T. M. Segal. 2,150,989; Mar. 21.
Binder. P. O. Unger. 2,151,539; Mar. 21.
Bindings to container mouth covers, Applying. R. O. Wilson. 2,151,000; Mar. 21.
Bit: *See*—
Composite bit. Drill bit.
Blade sharpening machine. W. W. Hartman. 2,151,204; Mar. 21.
Blanket, Crib. L. Malah. 2,151,434; Mar. 21.
Block: *See*—
Building block.
Boat construction. A. H. Alexander. 2,150,958; Mar. 21.
Boiler feeding apparatus. D. Lewis. 2,151,125; Mar. 21.
Boilers and accessory devices, Apparatus for the operation of steam. C. E. Lucke. 2,151,297; Mar. 21.
Bomb release mechanism. W. G. McNeill, W. B. Kern, and R. W. Wade. 2,150,933; Mar. 21.
Book rack. R. G. Young. 2,151,259; Mar. 21.
Bookmarker. C. C. Washburn. 2,150,953; Mar. 21.
Boring tool, Universal. G. J. Weidner. 2,151,251; Mar. 21.
Bottle cap. R. A. Markle. 2,151,129; Mar. 21.
Bottle closure. J. B. Eisen. 2,151,019; Mar. 21.
Bottom construction, Shoe. M. E. Duckoff. 2,151,018; Mar. 21.
Box: *See*—
Journal box.
Box and tray, Combined match. G. W. Hamilton and V. H. Rowlett. 2,151,426; Mar. 21.
Brace, Miner's lamp. J. H. Horsley. 2,151,471; Mar. 21.
Bracket: *See*—
Pin bracket. Wire bracket.
Brake: *See*—
Fluid pressure brake. Hydraulic brake.
Brake actuating mechanism. S. Schnell. 2,150,991; Mar. 21.
Brake control mechanism. C. A. Johnson. 2,151,211; Mar. 21.
Brake drums, Forming. C. W. Sinclair. 2,151,568; Mar. 21.
Brake mechanism. F. L. Main. 2,151,557; Mar. 21.
Brake testing device. H. W. Mitchell. 2,151,134; Mar. 21.
Braun tube. E. Ruska. 2,151,530; Mar. 21.
Breaker for flush valves, Fixed vacuum. J. J. Goodrie. 2,151,200; Mar. 21.
Building block. A. Henderson. 2,151,468; Mar. 21.
Building construction. E. B. White. 2,151,399; Mar. 21.
Building covering material. L. H. Mattes. 2,151,220; Mar. 21.
Building structure. P. and W. Rutten. 2,151,234; Mar. 21.
Building structure. J. H. Stites. 2,151,244; Mar. 21.
Buildings, Construction of. A. A. Ackley and C. H. Angell. 2,150,898; Mar. 21.
Burner: *See*—
Oil burner.
Burner, Making a pilot light. E. Hassig. 2,151,271; Mar. 21.
Cabinet: *See*—
Picture display cabinet.
Cable system, Electric. P. Dunsheath. 2,151,092; Mar. 21.
Calcium sulphate, Making. R. W. Sullivan. 2,151,339; Mar. 21.
Camera. W. C. Huebner. 2,150,974; Mar. 21.
Candy cutting machine. G. P. Economakis. 2,151,377; Mar. 21.
Cap: *See*—
Bottle cap.
Cap for bicycle dynamos, Nonskid. W. Sander. 2,151,566; Mar. 21.
Cap operator, Gasoline tank. J. P. Vidmar. 2,151,249; Mar. 21.
Capsule, Bottle. W. E. Glensky. 2,151,508; Mar. 21.
Car construction, Railroad. K. F. Nystrom. 2,150,897; Mar. 21.
Carbon lamp. H. T. Schiff. 2,150,990; Mar. 21.
Carbon or carbonaceous compounds, Treating. E. Slatineanu. 2,151,165; Mar. 21.
Cardboard, Advertising laundry. H. Llach and P. R. Avalo. 2,151,478; Mar. 21.
Cargo loading and discharging in flight, Method and apparatus for. B. B. Smith. 2,151,395; Mar. 21.
Carrier: *See*—
Hay carrier.
Carrier. R. A. Dross. 2,151,293; Mar. 21.
Carrier and speech transmission system. H. Whittle. 2,151,173; Mar. 21.

Carrier transmission. J. C. Walter. 2,151,454; Mar. 21.
Carton. W. J. Hubbard. 2,151,472; Mar. 21.
Carton, Reclosing. R. Guyer. 2,151,202; Mar. 21.
Case: *See*—
Storage battery case.
Case for moving-picture films, Shipping. J. M. Goldberg. 2,151,025; Mar. 21.
Case on steel articles, Producing a composite carbide and nitride. R. J. Cowan. 2,151,190; Mar. 21.
Casting apparatus. H. E. McWane. 2,151,131; Mar. 21.
Catalysis. E. J. Houdry. 2,150,924; Mar. 21.
Catalysis, Method of. E. J. Houdry. 2,150,923; Mar. 21.
Catalyst for the preparation of methane from carbon monoxide and hydrogen. R. Page and E. B. Thomas. 2,151,329; Mar. 21.
Catch, Spring. G. A. Tinnerman. 2,151,284; Mar. 21.
Cellulose or cellulosic materials, Production of conversion products from. F. Guenther, H. Haussmann, and W. Alt. 2,150,968; Mar. 21.
Cellulosic material, Treating. E. Slatineanu. 2,151,166; Mar. 21.
Center plate cushioning device. O. K. Kjolseth. 2,151,603; Mar. 21.
Ceramic drill. R. A. Hawn. 2,151,205; Mar. 21.
Chain: *See*—
Antiskid chain.
Chair seat. C. A. Van Derveer. 2,151,628; Mar. 21.
Change speed gear. G. Meyer. 2,151,132; Mar. 21.
Charging machine. H. W. Ball. 2,151,003; Mar. 21.
Chlorinator. H. J. Pardee. 2,151,142; Mar. 21.
Chlorinators, Control means for. H. J. Pardee. 2,151,143; Mar. 21.
Choke fitting for steam heat pipes. B. E. Folke. 2,151,656; Mar. 21.
Chuck, Angular magnetic. H. E. Tracy. 2,151,362; Mar. 21.
Circuit interrupter, Electric. K. Ishiwata. 2,151,551; Mar. 21.
Circulating heater. M. P. Youker. 2,151,290; Mar. 21.
Cigarette dispenser. R. H. Colomy. 2,151,315; Mar. 21.
Circuit: *See*—
Amplification control circuit.
Frequency control circuit.
Noise suppression circuit.
Automatic fading control circuit.
Classification system. W. B. Foulke. 2,150,918; Mar. 21.
Classification system. F. E. Smith. 2,150,946; Mar. 21.
Clamp: *See*—
Hose clamp.
Tow and push clamp.
Tap clamp.
Cleaner: *See*—
Air cleaner.
Perforation cleaner.
Eraser cleaner.
Climber for skis. J. P. Russell. 2,150,988; Mar. 21.
Clipper. R. E. Pierce. 2,151,438; Mar. 21.
Clock system. R. H. Dicke. 2,151,317; Mar. 21.
Closure. T. M. Hill. 2,151,383; Mar. 21.
Cloth. A. Steinberg. 2,151,448; Mar. 21.
Clothing or washable undergarments, Device for articles of. J. Donner. 2,151,652; Mar. 21.
Clutch facing. I. J. Novak. 2,150,937; Mar. 21.
Clutch device, Fluid operated. F. J. Rode and M. R. Hatch. 2,151,153; Mar. 21.
Clutch mechanism. A. H. Pohlmeyer. 2,151,150; Mar. 21.
Clutch plate. G. T. Jarrett. 2,151,515; Mar. 21.
Coating composition. W. H. Beisler. 2,151,006; Mar. 21.
Coatings on metallic sheets, Forming protective. H. L. Kohler. 2,150,929; Mar. 21.
Coffee and producing the same, Stable brewed decaffeinized. D. J. Block. 2,151,582; Mar. 21.
Coil winding and setting machine. W. Kauppert. 2,151,034; Mar. 21.
Coiler, Hot strip. E. N. Millan and E. B. Hudson. 2,150,934; Mar. 21.
Comb. E. A. Stone. 2,151,056; Mar. 21.
Combustion chamber. R. N. Janeway. 2,151,428; Mar. 21.
Composite bit. J. A. Zublin. 2,151,544–5; Mar. 21.
Composition for treating ferrous metals. H. A. Montgomery. 2,151,353; Mar. 21.
Compound jack. C. F. Davey. 2,151,421; Mar. 21.
Compounds of the anthraquinone series. W. Dettwyler. 2,151,635; Mar. 21.
Compressor, Air. L. J. Clapp. 2,150,912; Mar. 21.
Condensation products of high molecular split-off products of albumin with higher fatty acids as cosmetic products, Improving the properties of. F. Sommer and M. Nassan. 2,151,241; Mar. 21.
Condenser: *See*—
Dielectrolytic condenser.
Conductor protector. R. R. Pittman and C. H. Walsh. 2,151,525; Mar. 21.
Confections, Manufacture of frozen. F. R. Stamp. 2,151,282; Mar. 21.
Connector: *See*—
Belt connector.
Electrical connector.
Container: *See*—
Bait container.
Oil dispensing container.
Container for termites. O. Falls. 2,151,580; Mar. 21.
Control for burners, Liquid fuel. S. W. E. Andersson. 2,151,001; Mar. 21.
Control for fluid meters, Thermostatic. C. P. Griffith. 2,151,201; Mar. 21.
Control mechanism for water heaters and the like. C. H. Morrow. 2,151,562; Mar. 21.
Control system. A. E. Anderson. 2,151,178; Mar. 21.
Control system. H. T. Seeley. 2,151,160–1; Mar. 21.
Control system. D. R. Shoults and H. W. Lord. 2,151,570; Mar. 21.
Control system. F. H. Winter. 2,151,174; Mar. 21.
Conveyer system. G. A. Bouvier and E. W. Larsen. 2,151,077; Mar. 21.
Cooling system for internal combustion engines, Circulating. T. B. Chace. 2,151,082; Mar. 21.
Control system for synchronous machines. S. C. Ewing. 2,151,093; Mar. 21.
Copper complex compounds of polyazo dyestuffs. H. Schindhelm and C. T. Schultis. 2,151,531; Mar. 21.
Cotter pin locking device. G. T. Cooke. 2,151,316; Mar. 21.
Couch. E. T. and H. A. Wuest. 2,151,257; Mar. 21.
Coupling: *See*—
Shaft coupling.
Vehicle coupling.
Cover: *See*—
Garment hanger cover.
Crankshaft, Built-up. G. T. Smith-Clarke. 2,151,624; Mar. 21.
Crankshaft grinding machine. H. A. Silven. 2,151,666; Mar. 21.
Creamery products, Making. L. P. Sharples. 2,150,943; Mar. 21.
Creamery products, Treatment of. L. P. Sharples. 2,150,944; Mar. 21.
Crushing and feeding device for junk shredding machines, Combined. L. B. Near and S. G. Gillette. 2,150,984; Mar. 21.
Curtain hanger. J. E. Nayman, Sr. 2,151,223; Mar. 21.
Defects in electrically conductive objects, Apparatus and method for detecting. D. L. Hay. 2,150,922; Mar. 21.
Device for reducing frictions in systems of the worm and nut type. A. Fiorentino. 2,151,094; Mar. 21.
Device for separating carbonaceous materials. J. R. Belknap. 2,151,007; Mar. 21.
Dextrose solution. J. H. Buchanan. 2,151,499; Mar. 21.
Diaphragm cell actuator. E. Becker. 2,150,904; Mar. 21.
Die set. W. Kiwi. 2,151,119; Mar. 21.
Dielectrolytic condenser. P. Dubilier. 2,151,504; Mar. 21.
Diesel engine. J. W. Lutz. 2,151,218; Mar. 21.
Diolefin polymerization process. J. Harmon. 2,151,382; Mar. 21.
Direction indicating device for motor vehicles. C. F. Bierbach. 2,150,906–7; Mar. 21.
Disclosing solution. D. V. Bender. 2,151,495; Mar. 21.
Dish rack. M. L. Atlas. 2,151,068; Mar. 21.
Dispenser: *See*—
Cigarette dispenser.
Dispenser. T. Alexander. 2,151,064; Mar. 21.
Dispensing device. H. H. Johnson. 2,151,115; Mar. 21.
Display apparatus. O. Janzen. 2,151,600; Mar. 21.
Display machinery. O. H. Schoenberger. 2,151,303; Mar. 21.
Distillation. B. G. Aldridge and E. G. Ragatz. 2,151,310; Mar. 21.
Distributor for internal combustion engines. J. G. Kubelus. 2,151,519; Mar. 21.
Doffer, Automatic. S. A. Moffitt. 2,151,136; Mar. 21.
Doll, voice and mounting for same. J. H. Wilhelm. 2,151,456; Mar. 21.
Door actuating mechanism. F. R. Lemon. 2,151,430; Mar. 21.
Door handle lock. M. A. Cassileth. 2,151,587; Mar. 21.
Dough divider. C. L. Russell. 2,151,444; Mar. 21.
Draft, Apparatus for controlling. H. R. Hagen. 2,151,512; Mar. 21.
Draft control. H. J. Rose. 2,151,642; Mar. 21.
Drier: *See*—
Radiator drier.
Drill: *See*—
Ceramic drill.
Drill bit, Rotary. R. P. Fisher. 2,151,347–8; Mar. 21.
Drill stem section. D. G. Hawthorn. 2,151,206; Mar. 21.
Drilling mechanism, Subsurface speed-up. P. Subkow and L. Dillon. 2,151,646; Mar. 21.
Drive means for power lawn mowers. E. R. Potter. 2,151,615; Mar. 21.
Drydock, Boat's. C. L. Rogers. 2,151,394; Mar. 21.
Dual controlled switch. B. E. Shaw. 2,151,238; Mar. 21.
Duplicating apparatus. C. H. Bradt. 2,151,080; Mar. 21.
Dust and fly, particularly in textile factories, as spinning mills, Method of and device for collecting. O. H. Hess. 2,151,273; Mar. 21.
Dye and making same, Mineral. C. B. White. 2,150,954; Mar. 21.
Dyes, Sulphur. W. Hagge and K. Haagen. 2,151,513; Mar. 21.
Dyestuff, Acid wool. W. Zerweck and H. Ritter. 2,151,543; Mar. 21.
Dyestuff, Azo. H. Krzikalla, H. Ufer, B. Eistert, and G. Klaproth. 2,151,518; Mar. 21.
Dyestuffs and producing the same, Sulphurized indophenol. A. J. Johnson. 2,151,114; Mar. 21.
Dynamo-electric machine. W. J. Morrill. 2,151,561; Mar. 21.

Edge-setting machine. B. R. and B. H. Boyson. 2,151,498; Mar. 21.
Electric discharge apparatus. J. E. Beggs and W. E. Birchard. 2,151,580; Mar. 21.
Electric lamp, Incandescent. J. M. Kendall. 2,151,325; Mar. 21.
Electrical connector. O. F. Tallman. 2,150,994; Mar. 21.
Electrical control. J. T. Logan, O. Richardson, R. J. Cooper, and J. U. Benziger. 2,151,127; Mar. 21.
Electrical generating system. E. M. Claytor. 2,151,373; Mar. 21.
Electrical switch. R. E. Lehman and A. E. Roane. 2,151,039; Mar. 21.
Electrode coating, Welding. A. P. Johnston. 2,150,925; Mar. 21.
Electrode holder. C. B. Jandos. 2,151,552; Mar. 21.
Electrode mount. F. Desormeaux. 2,151,194; Mar. 21.
Electrodes for arc discharge valves. H. J. Seemann. 2,151,567; Mar. 21.
Electromagnetic motor. R. K. Prince. 2,151,355; Mar. 21.
Electron discharge device. H. G. Lubszynski and J. D. McGee. 2,150,980; Mar. 21.
Engine: *See*—
Diesel engine.
Swash plate type engine.
Internal combustion engine.
Engines, Operating an internal combustion. W. E. Lyons and L. J. McKone. 2,151,432; Mar. 21.
Engines, Starting arrangement for internal combustion. A. Callsen and A. Weiss. 2,151,463; Mar. 21.
Engraving machine. G. A. Bouvier and E. J. Crane. 2,151,078; Mar. 21.
Envelope machine. A. L. Roloff. 2,151,665; Mar. 21.
Eraser cleaner. C. E. Bruce. 2,151,372; Mar. 21.
Esters of glycol monoesters and acylated hydroxy acids. T. F. Carruthers and C. M. Blair. 2,151,185; Mar. 21.
Esters of polyglycols and their ethers and compositions containing the same. B. Andersen and A. F. Caprio. 2,151,311; Mar. 21.
Exhibitor, Changeable. J. I. Robin. 2,151,333; Mar. 21.
Expansion and contraction joint. F. R. McFarland. 2,150,982; Mar. 21.
Extractor: *See*—
Fruit juice extractor.
Nail extractor.
Fabric: *See*—
Tire fabric.
Fabrics, Method and apparatus for jig-dyeing. F. C. Wedler. 2,151,363; Mar. 21.
Fan, Y. Shu. 2,151,643; Mar. 21.
Fan, Oscillating. G. H. Koch. 2,151,326; Mar. 21.
Fastener: *See*—
Rope fastener.
Fastener. F. Menderman. 2,151,609; Mar. 21.
Fasteners, Varnishing sliding clasp. C. Mäueler. 2,151,558; Mar. 21.
Feeding mechanism, Electrically controlled hydraulic wheel. B. H. Goehring. 2,151,660; Mar. 21.
File, Visible record accordion. I. Hochtheil. 2,151,469; Mar. 21.
Filling machine. H. C. Stockdale. 2,151,283; Mar. 21.
Film and treating same, Photographic. D. K. Allison. 2,151,065; Mar. 21.
Film applicator. J. J. Bradley, Jr., and B. L. Seekins. 2,151,183; Mar. 21.
Film winding means for cameras and the like. P. F. Sperry. 2,151,536; Mar. 21.
Filter. E. H. Swanson. 2,151,538; Mar. 21.
Firearms, Attachment for. A. F. Gaidos. 2,150,914; Mar. 21.
Firebox, Locomotive boiler. G. J. Christenson. 2,151,009; Mar. 21.
Fireplace construction. G. W. Donley. 2,151,016; Mar. 21.
Fixed dimension gauge. N. L. Richards. 2,151,617; Mar. 21.
Flooring, End grain wood. A. Elmendorf. 2,151,505; Mar. 21.
Flow check and plug valve, Return. D. H. Greenwood. 2,151,098; Mar. 21.
Flower and candle holder. D. H. Crosser. 2,151,192; Mar. 21.
Fluid power transmission. A. Berger. 2,151,075; Mar. 21.
Fluid pressure brake. C. A. Campbell. 2,151,008; Mar. 21.
Food products, Deaerating and irradiating liquid food. H. C. Stephens and S. B. Hoar. 2,151,645; Mar. 21.
Food products, Deaerating liquid. H. C. Stephens. 2,151,644; Mar. 21.
Fork, Can handling. H. A. Stalkfleet. 2,151,281; Mar. 21.
Forming machine. C. E. Thomas. 2,151,246; Mar. 21.
Frame: *See*—
Bicycle frame.
Frame mounting for eyeglasses, Half. L. Vitolo. 2,151,668; Mar. 21.
Frequency control circuit, Automatic. W. F. Ewald and K. Wilhelm. 2,151,506; Mar. 21.
Frequency selector system. J. L. Hurff. 2,151,109; Mar. 21.
Frequency transmission, Restricted. R. C. Curtis. 2,151,464; Mar. 21.
Fruit juice extractor. W. Cecil. 2,151,500; Mar. 21.
Fruit products, Apparatus for making. W. A. Smith. 2,151,623; Mar. 21.
Fuel burning device, Solid. N. A. I. Hallström. 2,150,970; Mar. 21.
Fuel feeding system for internal combustion engines. C. R. Paton. 2,151,043; Mar. 21.
Fuel for combustion, Apparatus for preparing. W. Tschudy and T. W. Halliday. 2,151,060; Mar. 21.
Fuel, Manufacture of stabilized motor. H. B. Cooke. 2,151,374; Mar. 21.
Fuel pump. W. F. Bahr. 2,151,069; Mar. 21.
Furnace. L. de Florez. 2,151,386; Mar. 21.
Furnace and control therefor. L. V. Pittman and C. M. Weinheimer. 2,151,439; Mar. 21.
Furnaces, Heat recuperating wall structure for. L. R. Robinson. 2,151,358; Mar. 21.
Furniture, Article of. W. J. Bargen. 2,150,903; Mar. 21.
Fuse, Vertical drop-out. W. O. Schultz. 2,151,159; Mar. 21.
Game and playing piece therefor. R. C. Hinsen. 2,151,030; Mar. 21.
Game device. M. Ombrello. 2,151,141; Mar. 21.
Garment hanger. J. D. Coney. 2,151,012; Mar. 21.
Garment hanger. M. L. Donnellan. 2,151,502; Mar. 21.
Garment hanger. I. Silverman. 2,151,621; Mar. 21.
Garment hanger cover. A. F. Coney. 2,151,011; Mar. 21.
Garment seam. R. Goldsmith. 2,151,381; Mar. 21.
Gas process, High-pressure. W. H. Vaughan. 2,151,248; Mar. 21.
Gas, Production of water. H. Koppers. 2,151,121; Mar. 21.
Gases in liquids, Production of disperse. R. Auerbach. 2,151,547; Mar. 21.
Gate: *See*—
Self-closing gate.
Gauge: *See*—
Fixed dimension gauge.
Gauge. I. T. Morris. 2,151,611; Mar. 21.
Gear: *See*—
Change speed gear.
Gear transmission, Automatic. H. E. Perez. 2,151,151; Mar. 21.
Gears, Making. C. A. Neracher. 2,151,435; Mar. 21.
Gearing, Engine starter. W. L. McGrath. 2,151,042; Mar. 21.
Gearing for liquid dispensing apparatus. E. A. Slye, E. Wild, J. B. Hoye, and H. L. Spaunburg. 2,151,239; Mar. 21.
Girder and producing the same, Truss. U. Finsterwalder. 2,151,267; Mar. 21.
Glass, Apparatus for tempering. W. B. Clitherow. 2,151,266; Mar. 21.
Glass, Installation of structural. D. A. Hamilton. 2,151,597; Mar. 21.
Glass, Reading. E. G. Forgea. 2,150,916; Mar. 21.
Glass, Synthetic resin magnifying. N. M. Stanley. 2,151,573; Mar. 21.
Globe. W. E. Johnson. 2,151,601; Mar. 21.
Gold saver. L. G. Green. 2,151,322; Mar. 21.
Governor, Speed. R. Sheppard. 2,151,569; Mar. 21.
Grease base and method of making. L. D. Myers. 2,151,641; Mar. 21.
Grill, Electric. R. F. Hendershot and E. R. Hughes. 2,151,105; Mar. 21.
Grinder, Valve stem. H. C. Preston. 2,151,528; Mar. 21.
Grinding device, Crank throw. J. P. Morris. 2,151,139; Mar. 21.
Grinding machine. W. H. Wood and C. G. Flygare. 2,151,669; Mar. 21.
Grinding machine, Automatic knife blade. C. Ludwig. 2,151,480; Mar. 21.
Grinding machine, Hydraulic surface. C. G. Flygare and H. A. Silven. 2,151,637; Mar. 21.
Grinding machine steady rest. C. G. Flygare and I. A. Taylor. 2,151,636; Mar. 21.
Grinding wheel spindle reciprocating apparatus. C. G. Flygare. 2,151,655; Mar. 21.
Guard, Trolley wire. J. G. Groendyk. 2,151,099; Mar. 21.
Guards and/or packing, Making dust. H. W. Richter. 2,151,410; Mar. 21.
Gum base and the like, Treating ingredients of a chewing. G. A. Hatherell. 2,151,101; Mar. 21.
Gun, Gas. C. J. Manville. 2,151,521; Mar. 21.
Gun having means for directly canting the trunnion axis. C. Waninger. 2,151,630; Mar. 21.
Gun loading device. C. Waninger. 2,151,288; Mar. 21.
Halides containing a quaternary carbon atom, Alkyl. F. C. Whitemore and A. H. Homeyer. 2,151,252; Mar. 21.
Handbag, Lady's. F. N. Lewis. 2,150,979; Mar. 21.
Handle: *See*—
Implement handle.
Switch handle.
Stove handle.
Handle for cooking utensils. D. R. Mattoon. 2,151,276; Mar. 21.
Handle for furniture and the like. A. L. Birdsall. 2,151,182; Mar. 21.
Hanger: *See*—
Curtain hanger.
Garment hanger.
Hanger. R. G. Ferris. 2,151,590; Mar. 21.
Harvester, Bean. C. A. Warnke. 2,151,289; Mar. 21.
Hay carrier. R. G. Ferris. 2,151,591; Mar. 21.
Head rest for X-ray machines. J. M. Neely. 2,151,224; Mar. 21.

Headlights, Automatic control of vehicle. R. E. Alley. 2,150,900; Mar. 21.
Heat control mechanism. E. L. Millard. 2,151,222; Mar. 21.
Heat exchange apparatus. R. Dietze. 2,151,087; Mar. 21.
Heat exchanger and making same. A. Varga. 2,151,540; Mar. 21.
Heater: *See*—
Circulating heater. Radiation heater.
Heating unit. J. Novak. 2,151,140; Mar. 21.
Heel attaching machine. J. T. Lancaster. 2,151,038; Mar. 21.
Heel, Rubber. A. L. Murray. 2,151,613; Mar. 21.
Heel, Shoe. J. Burger. 2,151,314; Mar. 21.
Heels or soles to shoes, Fastening attachable. H. E. M. Vestergren. 2,151,341; Mar. 21.
Helium from gaseous mixtures, Process and apparatus for the extraction of. B. D. Miller. 2,151,299; Mar. 21.
Hides, Treating. E. Hansen. 2,150,919; Mar. 21.
Hinge, Covered joint. J. Soss. 2,151,240; Mar. 21.
Holder: *See*—
Electrode holder. Syringe holder.
Flower and candle holder. Tie holder.
Match holder. Tool holder.
Horn for nonconducting fluids, Discharge. M. Betzler. 2,151,076; Mar. 21.
Horse-collar pad. H. S. Thomas. 2,151,247; Mar. 21.
Hose and constructing the same, Reinforced. W. G. L. Smith. 2,151,307; Mar. 21.
Hose clamp. L. J. and P. Rauch. 2,150,986; Mar. 21.
Hub with coaster brake, Freewheel. W. Jordan. 2,151,324; Mar. 21.
Hydraulic brake. R. L. Gillson. 2,151,198; Mar. 21.
Hydrocarbons, Treating colloidal. E. Slatineanu. 2,151,167; Mar. 21.
Ignition control for motor vehicles. M. K. Golden. 2,151,639; Mar. 21.
Ignition system for internal combustion engines, Double. L. Torriani. 2,150,996; Mar. 21.
Illuminated screen. W. and M. Schwartz. 2,151,236; Mar. 21.
Illuminating and safety lamp. D. Anglada. 2,151,179; Mar. 21.
Imino-amino-methane-sulphinic acid, Manufacture of. E. Havas. 2,150,921; Mar. 21.
Implement handle. W. Steinen. 2,151,449; Mar. 21.
Incinerator, Garbage. N. Forni. 2,151,320; Mar. 21.
Indicating device for indicating the level of liquid in containers. L. B. Bacon. 2,151,579; Mar. 21.
Indicator: *See*—
Position indicator. Pressure indicator.
Injector. B. E. Folke. 2,151,658; Mar. 21.
Inner-tube tester. T. H. Bolte. 2,151,497; Mar. 21.
Instrument supporting device. C. L. Hunsicker. 2,150,975; Mar. 21.
Intensifying and fluorescent screen. J. Eggert and F. Luft. 2,150,966; Mar. 21.
Interference in electric signal transmission systems, Reduction of. W. S. Percival. 2,151,145; Mar. 21.
Internal combustion engine. H. Ford. 2,151,423; Mar. 21.
Internal combustion engine. F. A. Williams. 2,150,955; Mar. 21.
Iron: *See*—
Rustless iron.
Jack: *See*—
Compound jack.
Joint: *See*—
Expansion and contraction joint. Rail joint.
Universal joint.
Joint and making same. J. Jensen. 2,151,032; Mar. 21.
Joint for plastic wall sections, Expansion. H. D. Lavering. 2,151,605; Mar. 21.
Journal box. H. R. Gibbons and O. W. Young. 2,150,893; Mar. 21.
Journal lubricator. R. W. Miller. 2,150,935; Mar. 21
Journals, Reconditioning car. V. Wainscott. 2,151,062; Mar. 21.
Kite. S. Fromme. 2,151,349; Mar. 21.
Knitting machine, Flat. K. R. Lieberknecht. 2,150,931; Mar. 21.
Knitting machines, Circular. A. W. Kent and H. H. Holmes. 2,151,662; Mar. 21.
Lamp: *See*—
Carbon lamp. Illuminating and safety lamp.
Electric lamp.
Lamp and coating therefor, Luminescent discharge. N. C. Beese. 2,151,496; Mar. 21.
Lamp and desk pad. M. R. Landes. 2,150,978; Mar. 21.
Lamp and socket construction, Electric. H. A. Douglas. 2,151,089; Mar. 21.
Lamp with means to reduce bulb blackening, Incandescent. L. A. Nutto. 2,151,522; Mar. 21.
Lamps, Making reflecting. C. Birdseye and P. Deren. 2,151,649; Mar. 21.
Lapping machine. G. E. Hulbert and H. S. Indge. 2,151,473; Mar. 21.
Last for the manufacture of boots or the like. G. Lovaglio. 2,151,606; Mar. 21.
Latch bolt and striker. J. H. Roethel. 2,151,154; Mar. 21.
Lathe chuck. L. E. Whiton. 2,151,455; Mar. 21.
Leather stretching machine, Variable-zone. C. H. Johanson. 2,150,894; Mar. 21.
Lens blocking. L. F. Rowe. 2,151,233; Mar. 21.
Lenses, Making. L. W. Goddu. 2,151,509; Mar. 21.
License plate and holder therefor, Theftproof. K. W. House. 2,151,598; Mar. 21.
Lift for cultivator, Tool. L. J. Kepler. 2,151,117; Mar. 21.
Lifting and lowering mechanism. H. W. Shonnard. 2,151,338; Mar. 21.
Light-sensitive layers. M. P. Schmidt, O. Süs, and G. Werner. 2,151,532; Mar. 21.
Lighter, Cigar. J. Sinko. 2,151,622; Mar. 21.
Lighter, Electric cigar. R. Ludovici. 2,151,479; Mar. 21.
Lighter, Electrical cigar. H. G. Shakespeare. 2,151,446; Mar. 21.
Lighting fixture, Luminous bowl electric. G. Ainsworth. 2,151,309; Mar. 21.
Lightning arrester. K. B. McEachron. 2,151,559; Mar. 21.
Liner puller. W. A. Redell and J. M. Wiley. 2,151,616; Mar. 21.
Liquid, Aqueous heat transfer. E. J. Morgan. 2,150,936; Mar. 21.
Loading apparatus. A. G. Jacobson. 2,151,385; Mar. 21.
Loading machine. W. W. Sloane. 2,151,571; Mar. 21.
Lock: *See*—
Door handle lock. Window sash lock.
Sash lock.
Lock. E. N. Jacobi. 2,151,113; Mar. 21.
Lock. C. Swilens. 2,151,245; Mar. 21.
Loom: *See*—
Needle weaving loom.
Lubricating apparatus. G. F. Thomas and J. Bystricky. 2,151,171; Mar. 21.
Lubricator: *See*—
Journal lubricator.
Machine control system, Synchronous. A. H. Lauder and F. H. Winter. 2,151,122; Mar. 21.
Machine for centerless grinding articles such as tapered rollers. G. D. Winkler. 2,151,365; Mar. 21.
Machine for covering heels. L. J. Bazzoni. 2,151,005; Mar. 21.
Machine for forming flanged end walls for containers. S. Smith. 2,151,160; Mar. 21.
Machine for making egg box fillers. R. S. Davis. 2,151,015; Mar. 21.
Machine for recording and reproducing sound magnetically. L. S. Wallis. 2,151,629; Mar. 21.
Machine for washing drinking vessels. W. F. Ohme and R. C. Stephan. 2,151,437; Mar. 21.
Machine tool. L. B. Ades. 2,151,291; Mar. 21.
Machine tool. A. O. Schaefer. 2,151,445; Mar. 21.
Machines into step, Method of and apparatus for pulling synchronous. D. R. Shoults. 2,151,163; Mar. 21.
Magnetic field, Apparatus for and method of measuring the terrestrial. V. V. Vacquier. 2,151,627; Mar. 21.
Manifold system, Internal combustion. R. C. Belgau. 2,150,905; Mar. 21.
Marker, Highway. H. G. Meigs. 2,151,277; Mar. 21.
Marking machine. C. A. Putnam and C. F. Robbins. 2,151,230; Mar. 21.
Mask. A. R. Houk. 2,151,427; Mar. 21.
Match book. G. Jahns. 2,151,031; Mar. 21.
Match, Electric. R. G. Richard. 2,151,409; Mar. 21.
Match holder. W. C. Jones. 2,151,116; Mar. 21.
Material, Apparatus for breaking. W. Noble. 2,151,328; Mar. 21.
Material containing at least one expansible constituent, Method of, and apparatus for conveying. W. Heinen. 2,151,514; Mar. 21.
Material handling method. P. V. Whitney. 2,151,253; Mar. 21.
Measuring instrument. A. Serdock. 2,151,305; Mar. 21.
Mechanism for imparting false twist to textile rovings. F. Casablancas. 2,151,263; Mar. 21.
Messages, Forming and decoding secret. J. B. Walker. 2,151,452; Mar. 21.
Messages, Forming, transmitting, and decoding secret. J. B. Walker. 2,151,453; Mar. 21.
Metal finish, Hammered. G. Ariotti. 2,151,312; Mar. 21.
Metal members, Joining. H. E. Rockefeller. 2,151,334; Mar. 21.
Metal mixture. J. L. Lehman. 2,151,217; Mar. 21.
Metal spray apparatus. W. H. Stevens. 2,150,949; Mar. 21.
Metal surfaces during cold-working, Lubricating. N. F. Toussaint. 2,151,285; Mar. 21.
Metal, Treating molten. T. Tafel, Jr. 2,151,360; Mar. 21.
Metal values, Recovering. L. D. Bartlett. 2,151,261; Mar. 21.
Metals, Electrolytic production of. G. Jaeger. 2,151,599; Mar. 21.
Meter and measuring the rate of flow of fluids, Fluid. H. E. Hartig. 2,151,203; Mar. 21.
Methanol, Purification of. E. C. Britton and R. P. Perkins. 2,151,461; Mar. 21.
Metronome, Electrically driven. F. Franz. 2,150,967; Mar. 21.
Microphonic material. C. J. Christensen, F. S. Goucher, and H. G. Wehe. 2,151,083; Mar. 21.
Mill housing, Rolling. E. Chapman. 2,150,911; Mar. 21.

Minerals, Method of and apparatus for isolating. H. L. Alexander, H. I. du Pont, and W. B. Foulke. 2,150,899; Mar. 21.
Minerals, Method of and apparatus for isolating. H. L. Alexander, H. I. du Pont, and W. B. Foulke. 2,151,578; Mar. 21.
Mixing apparatus. J. A. Lavine. 2,151,123; Mar. 21.
Mixing apparatus. C. H. Petry. 2,151,146; Mar. 21.
Model, Tailor's. J. Dörrer. 2,151,017; Mar. 21.
Moisture content of air pervading fibrous material, Apparatus for determining the. G. E. Gaus and C. A. Bennett. 2,151,404; Mar. 21.
Mold form for circular concrete walls. W. A. Jennings. 2,151,210; Mar. 21.
Molding method. J. S. Kimble and S. E. Palmer. 2,151,476; Mar. 21.
Mop. E. L. Gregory. 2,151,425; Mar. 21.
Motor: *See*—
Alternating current motor. Electromagnetic motor.
Wind motor.
Motor and pump, Rotary. F. M. Nordling. 2,151,484; Mar. 21.
Motor control system. R. C. Buell. 2,151,550; Mar. 21.
Motor control system. B. W. Jones. 2,151,553; Mar. 21.
Motor control, System of. W. M. Scott, Jr. 2,151,237; Mar. 21.
Motor control system, Synchronous. A. H. Lauder. 2,151,556; Mar. 21.
Mower, Power lawn. T. B. Funk. 2,151,659; Mar. 21.
Motor system. C. P. Sweeny. 2,151,058; Mar. 21.
Motors into step, Method of and apparatus for pulling synchronous. D. R. Shoults. 2,151,162; Mar. 21.
Mounting: *See*—
Wheel mounting.
Muffler. C. Hollerith. 2,151,470; Mar. 21.
Musical instrument. H. Selmer. 2,151,337; Mar. 21.
N-butyl monochlor-resorcinol. E. Moness. 2,151,137; Mar. 21.
N-cyclopentylamides of carboxylic acids. H. W. Arnold and P. R. Austin. 2,151,369; Mar. 21.
Nail extractor. H. Schultheiss. 2,151,304; Mar. 21.
Nasal insert. A. Pawelek. 2,151,227; Mar. 21.
Necktie. H. A. Clark. 2,151,188; Mar. 21.
Needle weaving loom. R. Dewas. 2,151,085; Mar. 21.
Neon advertising sign. W. Van Bain. 2,150,902; Mar. 21.
Noise suppression circuit, Receiver. B. D. H. Tellegen, J. Peek, G. Hepp, and V. C. Henriquez. 2,151,170; Mar. 21.
Nozzle, Fluid blast. D. C. Drill. 2,151,090; Mar. 21.
Nut and like machine element and method of making. L. A. Young. 2,151,258; Mar. 21.
Nut, Spring. E. J. Witchger. 2,151,255; Mar. 21.
Oil burner. R. A. Campbell. 2,150,909; Mar. 21.
Oil composition, Mineral. R. C. Moran and A. P. Kozacik. 2,151,300; Mar. 21.
Oil, Countercurrent treatment of hydrocarbon. O. L. Roberts. 2,151,529; Mar. 21.
Oil, Dewaxing. L. Dilion and C. E. Swift. 2,151,318; Mar. 21.
Oil dispensing container. J. I. Kushima. 2,151,604; Mar. 21.
Oil, Mineral. B. Buxbaum. 2,151,585; Mar. 21.
Oil treatment, Hydrocarbon. S. W. Ferris. 2,151,592; Mar. 21.
Opener, Jar. J. B. Hohmann. 2,151,209; Mar. 21.
Optical interferometer. W. E. Williams. 2,151,631; Mar. 21.
Ore dressing. C. E. Wuensch. 2,151,175; Mar. 21.
Organ, Electric. P. H. Frohman. 2,151,021; Mar. 21.
Organic compounds from the acid sludge from refining of mineral oils, Obtaining. W. J. v. Piotrowski and J. Winkler. 2,151,147; Mar. 21.
Oscillator and frequency multiplier. W. V. Roberts. 2,151,332; Mar. 21.
Oscilloscope, Cathode ray. S. Bagno and M. Posner. 2,151,313; Mar. 21.
Outlet, Fused convenience. D. G. Kimball. 2,151,555; Mar. 21.
Oxygen compounds, Treating organic. E. Slatineanu. 2,151,168; Mar. 21.
Package. H. M. Ramel and O. M. Storey. 2,151,486; Mar. 21.
Package carrier for dispensers, Display. J. McKool. 2,151,352; Mar. 21.
Package, Display. T. S. Dowst. 2,151,503; Mar. 21.
Packing. A. L. Freedlander. 2,151,096; Mar. 21.
Packing, Rod. W. K. Queen. 2,151,356; Mar. 21.
Pad: *See*—
Horse collar pad. Permanent wave pad.
Lamp and desk pad.
Paint, Mixed. E. C. Burwell. 2,151,184; Mar. 21.
Paper, Making and bleaching. H. O. Kauffmann and G. M. Wolfe, Jr. 2,150,926; Mar. 21.
Paper-making method. J. A. Reitzel. 2,151,357; Mar. 21.
Paper packaging, Waxed. J. J. Warshaw. 2,150,998; Mar. 21.
Paraffin, Obtaining pure. F. Schick. 2,151,619; Mar. 21.
Partition, Folding. M. L. Jones. 2,151,033; Mar. 21.
Pedal of foot-propelled bicycles. R. J. Penny and H. J. Worthington. 2,151,144; Mar. 21.
Penholder. A. Wollak. 2,151,440; Mar. 21.
Perforation cleaner. J. P. Black and H. C. Stoebel. 2,151,416; Mar. 21.
Permanent wave pad. W. A. Gilbert. 2,151,024; Mar. 21.
Phenols, Preparation of tertiary alkyl. M. T. Harvey. 2,150,920; Mar. 21.
Phonograph, Electric robot. L. J. Andres and G. A. Magruder. 2,151,260; Mar. 21.
Photographs, Producing stereoscopic. J. M. McDonnell. 2,150,932; Mar. 21.
Photography, Device for color. K. Klopp. 2,151,429; Mar. 21.
Photography, Stereoscopic. C. Percy and E. E. Draper. 2,151,301; Mar. 21.
Photometer, Electric. D. E. Christopher. 2,151,187; Mar. 21.
Piano-mandolin. S. Michniewicz. 2,151,133; Mar. 21.
Picture device, Three-dimension. F. Stark. 2,151,055; Mar. 21.
Picture display cabinet. A. B. Scott. 2,150,992; Mar. 21.
Pin: *See*—
Pivot pin.
Pin bracket, Bobbie. C. C. Albright. 2,150,957; Mar. 21.
Pipe for smoking tobacco. F. M. Ashley. 2,151,002; Mar. 21.
Pipe wrench, Chain. F. L. Cook. 2,151,268; Mar. 21.
Piperidine compound. E. Preiswerk and O. Schnider. 2,151,047; Mar. 21.
Piston expander. G. C. Beck. 2,151,071; Mar. 21.
Pivot pin. F. Ellingsen. 2,151,294; Mar. 21.
Plastic compositions from polymerized vinyl compounds. H. Fikentscher and G. Hagen. 2,151,507; Mar. 21.
Plastics, Manufacture of polysulphide. G. Källner and G. Krause. 2,151,212; Mar. 21.
Plasticizing method. S. E. Palmer. 2,150,939; Mar. 21.
Plate for storage battery cells, Outside. A. H. Snyder. 2,151,667; Mar. 21.
Plate inking device and method. C. P. Shaw. 2,151,411; Mar. 21.
Platform, Ladder. E. J. Moberg. 2,151,135; Mar. 21.
Plow. G. H. Hamill. 2,151,270; Mar. 21.
Plow, Snow. S. G. Washburn. 2,151,491; Mar. 21.
Plug: *See*—
Attachment plug.
Plug for staybolts and the manufacture thereof, Porous. W. T. Kilborn and F. K. Landgraf. 2,150,927; Mar. 21.
Polishing machine. W. H. Wood. 2,151,670; Mar. 21.
Position indicator, Multiple turn. P. F. Scofield. 2,151,534; Mar. 21.
Post sealing device for storage battery cells. E. W. Breisch. 2,151,650; Mar. 21.
Power driving mechanism. W. H. Blount. 2,151,417; Mar. 21.
Powder, Restoring the stability of deteriorated smokeless. A. M. Ball. 2,151,494; Mar. 21.
Power transmission mechanism. H. Thoma. 2,150,950; Mar. 21.
Power units, Starting portable. J. W. Fitz Gerald. 2,151,196; Mar. 21.
Pregnanolones and producing the same. F. Hildebrandt. 2,151,661; Mar. 21.
Press: *See*—
Sole press.
Pressure indicator. J. H. Woodberry. 2,150,956; Mar. 21.
Pressure mechanism for fastening-inserting machines. J. F. Standish. 2,151,054; Mar. 21.
Printing and punching registering apparatus. R. A. Hayward. 2,151,028; Mar. 21.
Printing machine, Intaglio web. C. F. Peterson. 2,151,390; Mar. 21.
Propeller blade. J. Squires. 2,151,243; Mar. 21.
Propeller for airships, Retractable water. W. L. Barclay. 2,151,004; Mar. 21.
Protector: *See*—
Conductor protector.
Protector for clotheslines, Clothes. G. Vafit. 2,151,489; Mar. 21.
Puller: *See*—
Liner puller.
Pulp article and manufacture. M. P. Chaplin. 2,150,910; Mar. 21.
Pump: *See*—
Fuel pump.
Pump. C. R. Neeson. 2,151,482; Mar. 21.
Pump unit, Power. V. L. Andrew. 2,151,067; Mar. 21.
Pumping apparatus. S. A. Emerson. 2,151,588; Mar. 21.
Punch, Portable universal electric. E. O. Roggenstein. 2,151,232; Mar. 21.
Rack: *See*—
Book rack. Dish rack.
Rack for books and the like, Display. C. A. Grant. 2,151,269; Mar. 21.
Radiation heater. R. C. Johnson. 2,151,516; Mar. 21.
Radiator drier. D. Gorfein. 2,151,510; Mar. 21.
Radiator, Steam. B. F. Randel. 2,150,941; Mar. 21.
Radio apparatus for determining distance and direction. H. E. Hollmann. 2,151,323; Mar. 21.
Radio signaling apparatus. H. Scharlau. 2,151,336; Mar. 21.
Radio station center tuning control. A. Lesti. 2,151,275; Mar. 21.

Rail bonds, Making. A. E. Brickman and G. A. Gleason. 2,151,292; Mar. 21.
Rail joint. F. G. Gorick. 2,151,026; Mar. 21.
Rake, Sweep. K. C. Nicholas and D. T. Hodnett. 2,151,436; Mar. 21.
Range finder and view finder, Combined. L. Leitz. 2,151,124; Mar. 21.
Ranges, Heat utilizing appliance for. J. J. Bradley. 2,151,262; Mar. 21.
Razor, Safety. H. V. Clausen. 2,151,265; Mar. 21.
Reach, Folding. W. H. Alexander. 2,151,343; Mar. 21.
Receiving system, Multiplex. W. L. Carlson and V. D. Landon. 2,151,081; Mar. 21.
Recording instrument. K. Genschmer. 2,151,638; Mar. 21.
Reed cushioning device. E. C. Smith. 2,151,488; Mar. 21.
Reel: *See*—
Tape reel.
Reflecting unit. E. Pascucci. 2,151,279; Mar. 21.
Reflector mounting for bicycle axles. R. Pawsat. 2,151,485; Mar. 21.
Refrigerating machine. M. G. Robinson. 2,151,564–5; Mar. 21.
Refrigeration. H. M. Ullstrand. 2,151,451; Mar. 21.
Registering device. C. E. Ross and T. E. Perks. 2,151,618; Mar. 21.
Registering mechanism. T. Dietrich and O. Borel. 2,151,086; Mar. 21.
Resistor, Variable. E. O. Thompson. 2,151,625; Mar. 21.
Ring. E. M. Lovell. 2,151,607; Mar. 21.
Rings, Apparatus for casting finger. F. H. Curl. 2,150,962; Mar. 21.
Robe, Sleeping. H. C. Bulpit and S. S. Holden. 2,151,462; Mar. 21.
Roll, Drying. R. R. Laing. 2,151,049; Mar. 21.
Roll, Drying. H. J. Rowe. 2,151,048; Mar. 21.
Roll picker. W. B. Jackson. 2,151,111; Mar. 21.
Rope fastener. E. L. Redfield. 2,151,664; Mar. 21.
Rotary tool. E. E. Hindman. 2,151,274; Mar. 21.
Rotenone compositions, Stabilized. L. J. Christmann and D. W. Jayne, Jr. 2,151,651; Mar. 21.
Rotor, Aircraft sustaining. A. E. Larsen. 2,151,215; Mar. 21.
Rotor generating method and machine. A. A. Nichols. 2,151,483; Mar. 21.
Rotors, Construction of airplane sustaining. A. E. Larsen. 2,151,216; Mar. 21.
Rug display means. L. E. Leatherbury. 2,151,387; Mar. 21.
Rustless iron. W. B. Arness. 2,150,901; Mar. 21.
Safety device for vehicles. F. L. Curtiss. 2,151,014; Mar. 21.
Safetypin machine, Automatic. W. B. Runk. 2,150,987; Mar. 21.
Sail sheets, Arrangement in. H. T. H. Andresen. 2,151,368; Mar. 21.
Sash lock, Window. S. Madsen. 2,151,219; Mar. 21.
Saucer for supporting cups, glasses, or other drinking vessels. A. C. Gibson. 2,151,023; Mar. 21.
Sawdust for the production of plastics, Utilization of. E. C. Sherrard, E. Beglinger, J. P. Hohf, R. L. Mitchell, and E. Bateman. 2,151,412; Mar. 21.
Scanner, Television. F. Schröter. 2,151,158; Mar. 21.
Scraper, Wheel. A. Wolf. 2,151,256; Mar. 21.
Screen: *See*—
Illuminated screen. Window screen.
Intensifying and fluorescent screen.
Sealer for wrapping machines, Cooled. D. M. Fincke. 2,151,653; Mar. 21.
Seat: *See*—
Adjustable seat. Chair seat.
Seat attachment, Bathtub. G. B. Bentz. 2,151,581; Mar. 21.
Seat support, Adjustable. W. S. Saunders and T. A. McGregor. 2,151,156; Mar. 21.
Seeding apparatus. E. A. W. Beemer. 2,151,414; Mar. 21.
Self-closing gate. L. R. Smart and M. Nelson. 2,151,052; Mar. 21.
Separating, Process of and apparatus for. W. B. Foulke and W. A. Wills. 2,150,917; Mar. 21.
Separator: *See*—
Sheet separator.
Sewage disposal system. W. S. Bowen. 2,151,079; Mar. 21.
Sewing machine. A. H. Devoe. 2,151,346; Mar. 21.
Sewing machine, Fur. C. Bonis. 2,151,345; Mar. 21.
Sewing machines, Lubricating means for. S. Zonis. 2,151,308; Mar. 21.
Shaft coupling. R. Lee. 2,151,477; Mar. 21.
Sharpener, Adjustable razor. G. Subayda. 2,151,450; Mar. 21.
Sheet feeding and forwarding mechanism. C. F. Pflanze. 2,151,228; Mar. 21.
Sheet separator. F. R. Belluche. 2,151,073; Mar. 21.
Shell filling and closing machine. F. L. Drew. 2,150,913; Mar. 21.
Shelter, Bird. L. G. Copeman. 2,151,010; Mar. 21.
Shield for garment hangers. J. D. Coney. 2,151,013; Mar. 21.
Shield for headlights, Glare. F. Schuch. 2,151,620; Mar. 21.
Shield, Spark plug. E. N. Jacobi. 2,151,112; Mar. 21.
Shingle. J. B. Stevens. 2,151,537; Mar. 21.
Shingle staining machine. F. G. Maess. 2,151,608; Mar. 21.
Shoe. A. Leone and L. Sholtz. 2,150,895; Mar. 21.
Shoe. E. P. Schmidt. 2,151,235; Mar. 21.
Shoe and making the same. J. P. Fredericksen. 2,151,020; Mar. 21.
Shoe bag. C. M. Dalebrook. 2,151,465; Mar. 21.
Shoe cleaning device. F. B. Williams. 2,151,254; Mar. 21.
Shoe, Low. S. Troy. 2,151,286; Mar. 21.
Shoes, Lasting. R. De Liso. 2,150,892; Mar. 21.
Shut-off valve. O. Knoerzer. 2,151,296; Mar. 21.
Signal system. T. A. J. Hayes. 2,151,272; Mar. 21.
Siphon, Thermic. E. J. Reardon. 2,151,441; Mar. 21.
Sign: *See*—
Neon advertising sign.
Signal transmission. H. W. Dudley. 2,151,091; Mar. 21.
Silencer. F. E. Deremer. 2,151,084; Mar. 21.
Skate. H. Dornseif. 2,150,964; Mar. 21.
Slag or cinder pockets of open hearth heating furnaces, Cleaning out. W. C. Cavanagh. 2,151,264; Mar. 21.
Socket, Bus. T. MacTwiggan. 2,151,433; Mar. 21.
Sole press. S. J. Finn. 2,150,915; Mar. 21.
Solenoid. W. F. Kelley. 2,151,213; Mar. 21.
Sound producing and object ejecting device, Combination. H. N. Prensky and E. Grieshaber. 2,151,330; Mar. 21.
Sound, Recording and reproducing. P. C. Ricchiardi. 2,151,408; Mar. 21.
Spaceband for matrix composing and line casting machines. W. Sperling. 2,151,396; Mar. 21.
Spaceband for matrix composing and type line casting machines. W. Sperling. 2,151,397; Mar. 21.
Spaceband, Justifying. G. W. Allison. 2,151,367; Mar. 21.
Spat, Waterproof. M. Glowka. 2,151,350–1; Mar. 21.
Speed bidirection and freewheeling transmission, Automatic electric variable. H. J. Murray. 2,150,983; Mar. 21.
Splice bar. V. Theodos. 2,151,361; Mar. 21.
Sprag device for vehicles. A. J. Warwick. 2,151,250; Mar. 21.
Spring and alloy for timepieces, Compensating. F. P. Flagg. 2,151,197; Mar. 21.
Spring cushion unit. M. J. Rymland. 2,151,155; Mar. 21.
Sprinkler. C. P. Kramer. 2,151,214; Mar. 21.
Starter and generator, Combined engine. E. Schaeren. 2,151,487; Mar. 21.
Starter control, Engine. P. H. Maurer. 2,151,041; Mar. 21.
Starting apparatus for internal combustion engines. A. Weiss. 2,151,492; Mar. 21.
Starting device for internal combustion engines, Automatic. L. M. Williams. 2,151,400; Mar. 21.
Steering device for endless track driven vehicles. W. von Bleichert. 2,151,287; Mar. 21.
Stoker. F. H. Brown. 2,150,908; Mar. 21.
Stoker, Furnace. L. A. Ward. 2,151,574–5; Mar. 21.
Stopping device for high speed rope-making machines, Electrically operated. J. Kraft. 2,150,977; Mar. 21.
Storage battery case. T. W. Fitzgerald. 2,151,654; Mar. 21.
Stove handle. G. E. De Voe and V. E. Mark. 2,151,195; Mar. 21.
Straight edge, Paperhanger's folding. C. W. Harsin. 2,151,467. Mar. 21.
Stretcher and splicer, Wire. M. H. Hall. 2,151,027; Mar. 21.
Support: *See*—
Seat support.
Support for hollow bodies. R. E. Glover. 2,151,321; Mar. 21.
Support for hollow bodies. B. H. Miller. 2,151,298; Mar. 21.
Surfaces by thermal evaporation, Coating. R. C. Williams. 2,151,457; Mar. 21.
Suspender for socks or stockings. W. L. Morgan. 2,151,389; Mar. 21.
Swash plate type engine. C. G. Nevatt and F. W. Shearer. 2,151,614; Mar. 21.
Swatter, Automatically extensible fly. E. Souply. 2,151,242; Mar. 21.
Swing, Playground. E. M. Burke. 2,151,403; Mar. 21.
Switch: *See*—
Dual controlled switch. Electrical switch.
Switch, M. W. Morris. 2,151,612; Mar. 21.
Switch for control of low voltage circuits. A. W. Krieger. 2,151,037; Mar. 21.
Switch handle. F. H. Travers. 2,151,626; Mar. 21.
Syringe holder, Hypodermic. S. W. Moore. 2,151,610; Mar. 21.
Tab insert. F. A. Schmitz. 2,151,359; Mar. 21.
Tabulator drive control. S. Alvine. 2,151,177; Mar. 21.
Tailgate mechanism for vehicles. N. M. Rush. 2,151,335; Mar. 21.
Tanning. M. E. Cupery and D. M. McQueen. 2,150,961; Mar. 21.
Tap clamp. R. R. Pittman and C. H. Walsh. 2,151,524; Mar. 21.
Tap, reamer, and drill holder, Floating. E. F. Loughlin. 2,151,388; Mar. 21.

Tape reel. N. S. A. Mattsson and K. E. Dahlqvist. 2,151,130; Mar. 21.
Tapping machine. A. Grantham. 2,151,594; Mar. 21.
Tar spraying machine, Portable. W. E. Hadley. 2,151,100; Mar. 21.
Television apparatus. W. J. Poch. 2,151,149; Mar. 21.
Television apparatus. W. J. Poch. 2,151,526; Mar. 21.
Television transmitter. A. V. Bedford. 2,151,072; Mar. 21.
Temperature control device. J. L. Finch. 2,151,319; Mar. 21.
Temperature measuring device. A. L. Baker. 2,151,648; Mar. 21.
Temperature regulation of chemical reactions. R. C. Lassiat. 2,150,930; Mar. 21.
Termination for dielectric guides. A. P. King and A. E. Bowen. 2,151,118; Mar. 21.
Testing apparatus applicable mainly to parts of aircraft. J. Bugatti. 2,151,584; Mar. 21.
Tetralin derivative, Preparing a new. Y. Asahina. 2,151,370; Mar. 21.
Textile apparatus. R. W. Moncrieff and F. B. Hill. 2,151,327; Mar. 21.
Thermostatic device. B. F. Waddell. 2,151,541; Mar. 21.
Thread, Apparatus for the production of artificial. H. S. Toole and I. V. Hitt. 2,150,951; Mar. 21.
Thread or the like, Manufacture of. H. B. Kline, W. F. Knebusch, and A. H. Burkholder. 2,150,928; Mar. 21.
3, 4-dihydroxyphenylaminopropanols, Derivatives of. M. Bockmühl, G. Ehrhart, and L. Stein. 2,151,459; Mar. 21.
Threshing machine. F. L. Kilberger. 2,150,976; Mar. 21.
Throttle device, Foot-actuated. H. F. Heisler. 2,150,972; Mar. 21.
Tie holder. C. Silverman. 2,151,164; Mar. 21.
Tie, Sectional removable railway. J. C. Purdon. 2,150,940; Mar. 21.
Tile, Roof. R. A. Plumb. 2,151,148; Mar. 21.
Timpano adjuster. W. F. Ludwig. 2,150,981; Mar. 21.
Tin alloy. E. Scheller. 2,151,302; Mar. 21.
Tine for deep juice grooves. H. Hurter and C. J. Kurth. 2,151,405; Mar. 21.
Tire bead winding apparatus. F. J. Shook. 2,151,306; Mar. 21.
Tire fabric. F. Chadwick. 2,151,186; Mar. 21.
Toaster, Electric. W. E. Belcher. 2,151,401; Mar. 21.
Tobacco, Preparation of cut. A. Podmore. 2,151,527; Mar. 21.
Tool: *See*—
Machine tool. Rotary tool.
Tool for grinding wheels, Truing. W. Stadelbauer. 2,151,572; Mar. 21.
Tool holder. R. H. Bergström. 2,150,959; Mar. 21.
Tool holder. J. E. Flaker. 2,151,379; Mar. 21.
Tooth, Pontic. W. C. Whittemore. 2,151,542; Mar. 21.
Torch, Gas. P. Ruch. 2,151,443; Mar. 21.
Totaling mechanism, Automatic sub- and grand-. W. W. Lasker. 2,151,406; Mar. 21.
Tow and push clamp. D. A. Wight. 2,150,999; Mar. 21.
Tower, Cooling. L. T. Mart. 2,151,481; Mar. 21.
Toy in the form of a soldier throwing a hand-grenade, Mechanical. C. Arnold. 2,151,546; Mar. 21.
Traction fixation appliance for facial bones. C. H. Allen. 2,151,458; Mar. 21.
Tractor hitch, Safety. E. A. Hilde. 2,151,207; Mar. 21.
Traffic controlling apparatus, Railway. J. J. Vanhorn. 2,151,061; Mar. 21.
Trailer or truck chassis and body. J. J. Black. 2,151,633; Mar. 21.
Transformer. T. R. Kennedy. 2,151,035; Mar. 21.
Transmission, Hydraulic. D. S. Bennetch. 2,151,415; Mar. 21.
Transmission mechanism. R. R. Eastin. 2,151,376; Mar. 21.
Transmission mechanism, Variable speed. L. Coddington. 2,151,189; Mar. 21.
Trap: *See*—
Animal trap.
Tray for paint pots, Drip. W. J. Doty. 2,150,965; Mar. 21.
Trimmer. P. Woitynek. 2,151,413; Mar. 21.
Trimmer condenser. H. W. Houck. 2,150,973; Mar. 21.
Truck center bearing. H. E. Muehnic. 2,150,896; Mar. 21.
Tube: *See*—
Braun tube.
Tubular article of pyroxylin or the like, Decorative. R. Back. 2,151,548; Mar. 21.
Tuning device for radio receivers or the like. W. H. Grimditch, J. M. Bowman, and L. B. Glaser. 2,151,595; Mar. 21.
Type and method and apparatus for producing the same. G. E. Brinkerhoff. 2,151,583; Mar. 21.
Typewriter. M. L. Crane and G. W. Fisher. 2,151,191; Mar. 21.
Umbrella, Folding. W. A. Heilmann and W. Schultz. 2,150,971; Mar. 21.
Universal joint. F. A. Ward. 2,150,952; Mar. 21.
Universal joint, Torque transmitting. A. H. Rzeppa. 2,150,942; Mar. 21.
Utensil, Cooking. L. H. Scurlock. 2,151,535; Mar. 21.
Vaccine, Anthrax. H. M. Winegarden. 2,151,364; Mar. 21.
Valve: *See*—
Flow check and plug valve. Shut-off valve.
Valve. J. L. Corcoran. 2,151,501; Mar. 21.
Valve. H. F. Eken. 2,151,466; Mar. 21.
Valve. B. E. Folke. 2,151,657; Mar. 21.
Valve. C. Hagen. 2,151,511; Mar. 21.
Valve. K. Halle. 2,151,596; Mar. 21.
Valve. H. E. Malone. 2,151,040; Mar. 21.
Valve. H. Roberts and C. H. Robertson. 2,151,442; Mar. 21.
Valve. C. A. Rudolph and E. C. McCutcheon. 2,151,050; Mar. 21.
Valve actuating mechanism. B. Wheeler. 2,151,647; Mar. 21.
Valve actuator. T. J. Beregh. 2,151,074; Mar. 21.
Valve control. G. H. Acker. 2,151,176; Mar. 21.
Valve control, Light. M. J. Johnson. 2,151,474; Mar. 21.
Valve control mechanism. E. A. Milhaupt. 2,151,278; Mar. 21.
Valve control unit. G. H. Acker. 2,151,493; Mar. 21.
Valve converting system, Electric. M. M. Morack. 2,151,560; Mar. 21.
Valve for welding machines, Automatic. H. T. Platz. 2,151,563; Mar. 21.
Valveless sand pump. L. J. Towne and E. B. DeLoe. 2,151,059; Mar. 21.
Vehicle body, Demountable. O. H. Manning. 2,151,640; Mar. 21.
Vehicle body, Sectionalized. G. S. Pironmoff and L. L. Cross. 2,151,229; Mar. 21.
Vehicle body transportation mounting apparatus and method. C. S. Lord. 2,151,431; Mar. 21.
Vehicle bodies, Cooling. J. A. Germonprez. 2,151,097; Mar. 21.
Vehicle coupling. G. Appell. 2,151,181; Mar. 21.
Ventilating attachment for toilets. E. S. Morris. 2,151,138; Mar. 21.
Ventilation, Footwear. W. A. Riess. 2,151,152; Mar. 21.
Venting device and flame arrester, Conservation. R. J. Anschicks. 2,151,180; Mar. 21.
Vibrations of pipes, Damping the. A. L. M. A. Rouy. 2,151,280; Mar. 21.
Wall and tile therefor, Tiled. C. J. Stanley. 2,151,447; Mar. 21.
Wall section, Concrete. R. Carvel. 2,151,420; Mar. 21.
Wall structure, Paneled. D. M. Meeker. 2,151,221; Mar. 21.
Wall surfacing unit. F. M. Venzie. 2,150,997; Mar. 21.
Wall unit and wall, Interlocking. E. A. Horn. 2,151,384; Mar. 21.
Warp leasing, Apparatus for. F. H. Kaufmann. 2,151,475; Mar. 21.
Washing and drying apparatus. F. J. Osuch. 2,151,354; Mar. 21.
Washing apparatus. F. E. Smith. 2,150,947; Mar. 21.
Water and beverages, Carbonating. J. G. Cameron. 2,151,586; Mar. 21.
Water heating apparatus. A. B. Hultgren. 2,151,108; Mar. 24.
Water mains, Cleaning. L. D. Wright. 2,151,671; Mar. 21.
Wave transmission, Guided electromagnetic. S. A. Schelkunoff. 2,151,157; Mar. 21.
Web marking mechanism. C. D. Knowlton. 2,151,036; Mar. 21.
Weed cutting implement. W. Withington. 2,151,577; Mar. 21.
Weft feeler device for looms for weaving. W. Gledhill. 2,151,199; Mar. 21.
Weighing machine. S. R. Howard. 2,151,107; Mar. 21.
Weight counter-balancing mechanism for the magazines of matrix composing and line casting machines. C. A. Albrecht. 2,151,366; Mar. 21.
Welder, Closed section. C. de Ganahl. 2,151,422; Mar. 21.
Welding apparatus. G. W. Elsey and C. F. Wittlinger. 2,151,378; Mar. 21.
Welding apparatus. E. J. von Henke. 2,151,342; Mar. 21.
Well drilling machine. J. Suth. 2,151,057; Mar. 21.
Well spider, Oil. B. F. Hiniker. 2,151,208; Mar. 21.
Wells, Completing oil or gas. J. Vander Henst. 2,151,029; Mar. 21.
Wheel mounting. J. H. Ploehn. 2,151,045; Mar. 21.
Wind motor, Oscillatory. H. R. Villarreal. 2,151,172; Mar. 21.
Window construction. W. C. Randall and C. W. Kelly. 2,151,231; Mar. 21.
Window sash lock. A. Zebrowski. 2,151,632; Mar. 21.
Window screen. C. H. Hucke. 2,151,295; Mar. 21.
Window structure, Dual. R. Hayne. 2,151,103; Mar. 21.
Wire bracket. O. F. Tallman. 2,150,995; Mar. 21.
Wool, Method and apparatus for spinning glass. G. Slayter. 2,150,945; Mar. 21.
Work handling and preheating mechanism for welding. R. Peterson. 2,151,044; Mar. 21.
Wrench: *See*—
Pipe wrench.
X-ray apparatus. W. K. Kearsley. 2,151,602; Mar. 21.

CLASSIFICATION OF PATENTS

ISSUED MARCH 21, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adhesive Lime Limited, Montreal, Quebec, Canada. Lime. Serial No. 415,869; Mar. 28. Class 12.

Alexander, M. Bishop, Charleston, S. C. Periodical. Serial No. 414,940; Mar. 28. Class 38.

American Stores Company, Philadelphia, Pa. Spaghetti and macaroni. Serial No. 409,757; Mar. 28. Class 46.

Angelo Products Co., Bridgeport, Conn. Cakes. Serial No. 387,970; Mar. 28. Class 46.

Appel, Lester H., doing business as Blotterless Ink Co., New York, N. Y. Writing fluids. Serial No. 414,942; Mar. 28. Class 11.

Aqua-Sec Corp., New York, N. Y. Chemical preparations. Serial No. 413,770; Mar. 28. Class 6.

Armstrong Cork Company, Lancaster, Pa. Insulating fiber board. Serial No. 415,280; Mar. 28. Class 12.

Associated Biscuit Co., doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Bakery goods. Serial No. 411,564; Mar. 28. Class 46.

Associated Biscuit Co., doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Crackers and wafers. Serial No. 412,281; Mar. 28. Class 46.

Augstein, S., & Co., College Point, N. Y. Bathing suits, play suits, dresses, etc. Serial No. 413,176; Mar. 28. Class 39.

Baker Clothes Inc., Philadelphia, Pa. Suits, coats, vests, etc. Serial No. 415,200; Mar. 28. Class 39.

Barrie, Chester, Inc., New York, N. Y. Clothing. Serial No. 412,796; Mar. 28. Class 39.

Bay State Milling Co., Winona, Minn. Rye flour. Serial No. 410,857; Mar. 28. Class 46.

Beatrice Creamery Company, Chicago, Ill. Oleomargarine. Serial No. 402,928; Mar. 28. Class 46.

Berkshire Knitting Mills, Wyomissing, Reading, Pa. Hosiery. Serial No. 415,440; Mar. 28. Class 39.

Birmala Laboratories, Birmingham, Ala. Pharmaceutical preparation. Serial No. 408,747; Mar. 28. Class 6.

Blotterless Ink Co. (See Appel, Lester H.)

Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. Serial No. 414,812; Mar. 28. Class 39.

Borgfeldt, Geo., Corporation, New York, N. Y. Dolls. Serial No. 416,245; Mar. 28. Class 22.

Bozeman Canning Company, Bozeman, Mont., and Mount Vernon, Wash. Canned peas. Serial No. 413,701; Mar. 28. Class 46.

Burton-Levin Foundation, Inc., The, Baltimore, Md. Antidigestant preparation. Serial No. 414,484; Mar. 28. Class 6.

Bustelo Coffee Roasting Co., Inc., New York, N. Y. Coffee and tea. Serial No. 415,495; Mar. 28. Class 46.

Butler Brothers, Chicago, Ill. Piece goods. Serial No. 413,702; Mar. 28. Class 42.

California Shoes, Ltd., Los Angeles, Calif. Men's shoes. Serial No. 410,356; Mar. 28. Class 39.

California Shoes, Ltd., Los Angeles, Calif. Women's and misses' shoes. Serial No. 410,357; Mar. 28. Class 39.

Carey Salt Co., The, Hutchinson, Kans. Salt. Serial No. 415,498; Mar. 28. Class 46.

Ceramic Products Company, Kewaunee, Wis. Ceramic ware. Serial No. 405,059; Mar. 28. Class 13.

Chase, Archer, & Company, Tacoma, Wash. Seasoning or flavoring. Serial No. 413,965; published Mar. 28, 1939. Class 46.

Chaousy, George J., doing business as Sfregos Products Company, Long Island City, N. Y. Botanic-laxative tonic. Serial No. 414,325; Mar. 28. Class 6.

Cherry-Burrell Corporation, Chicago, Ill. Pumps. Serial No. 412,944; Mar. 28. Class 23.

Cherry-Burrell Corporation, Chicago, Ill. Centrifugal milk and cream test bottle revolving machine. Serial No. 412,947; Mar. 28. Class 23.

Cherry-Burrell Corporation, Chicago, Ill. Centrifugal milk test bottle revolving machines. Serial No. 413,538; Mar. 28. Class 26.

Cherry Specialty Company, Chicago, Ill. Chocolate coated candies, a confectionery. Serial No. 412,629; Mar. 28. Class 46.

Chick Laboratories. (See Mathews, Herbert D.)

Chrysler Corporation, Highland Park, Mich. Lubricant impregnated bearings. Serial No. 414,591; Mar. 28. Class 23.

Clark, C. F., and Son, Sunderland, Mass. Fresh vegetables, fresh deciduous and citrus fruits, etc. Serial No. 414,821; Mar. 28. Class 46.

Cohen, S. J., & Sons, Philadelphia, Pa. Suits and overcoats. Serial No. 414,912; Mar. 28. Class 39.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. Serial Nos. 416,133–4; Mar. 28. Class 32.

Continental Undergarment Co., Inc., New York, N. Y. Panties, bloomers, step-ins, etc. Serial No. 412,406; Mar. 28. Class 39.

Conway, John J., doing business as The Conway Enterprises, Ansonia, Conn. Toy. Serial No. 416,136; Mar. 28. Class 22.

Daley, Frank, doing business as Pony Express Ice Cream Co., Beverly, Mass. Ice cream. Serial No. 408,341; Mar. 28. Class 46.

Davis, A., & Sons, Inc., Jersey City, N. J. Ladies' suits and coats. Serial No. 404,833; Mar. 28. Class 39.

Davis & Geck, Inc., Brooklyn, N. Y. Surgical ligatures and sutures. Serial No. 415,637; Mar. 28. Class 44.

De Long Hook and Eye Company, The, Philadelphia, Pa. Safety pins and snap fasteners. Serial Nos. 414,773–4; Mar. 28. Class 40.

Dental Manufacturing Company Limited, The, London, England. Artificial teeth. Serial No. 413,544; Mar. 28. Class 44.

Destileria Serralles, Inc., Ponce, P. R. Rum. Serial No. 411,522; Mar. 28. Class 49.

Destileria Serralles, Inc., Ponce, P. R. Rum. Serial No. 415,286; Mar. 28. Class 49.

Diagrid Structures Limited, London, England. Architectural and structural plans and drawings. Serial No. 412,408; Mar. 28. Class 38.

Dix, Henery A., & Sons Corporation, New York, N. Y. Dresses and uniforms. Serial No. 413,668; Mar. 28. Class 39.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 415,383; Mar. 28. Class 12.

Dow Chemical Company, The, Midland, Mich. Fluid preparations comprising ethyl cellulose. Serial No. 415,980; Mar. 28. Class 6.

Down Beat Publishing Co. Inc., Chicago, Ill. Periodical. Serial No. 414,776; Mar. 28. Class 38.

Drewrys Dry Ginger Ale U. S. A., Inc., Detroit, Mich. Beverages. Serial No. 414,915; Mar. 28. Class 45.

Dukat Products Company, Inc., Hamtramck, Mich. Canned fruits and vegetables. Serial No. 407,539; Mar. 28. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dolls, rattles, and tops. Serial No. 416,230; Mar. 28. Class 22.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Picture frames and window shades. Serial No. 416,235; Mar. 28. Class 32.

Dura Electric Lamp Co. Inc., Newark, N. J. Electric light bulbs. Serial No. 414,488; Mar. 28. Class 21.

Dutch Novelty Shops. (See Van Tongeren, Chester.)

Earlrich & Company, Cedarville, Ohio. Herb tonic tablets; and ointments. Serial No. 410,459; Mar. 28. Class 6.

Eastman Kodak Company, Rochester, N. Y. Photographic objectives, lenses, and diffusion disks, etc. Serial No. 414,098; Mar. 28. Class 26.

Edison, Thomas A., Incorporated, West Orange, N. J. Electronic and audio apparatus and devices. Serial No. 413,514; Mar. 28. Class 21.

Elsinore, Inc., New York, N. Y. Facial masks. Serial No. 415,331; Mar. 28. Class 6.

Felger, Le Roy V., Santa Barbara, Calif. Sport coats and trousers and aprons for women and girls. Serial No. 414,515; Mar. 28. Class 39.

Ferro-Alloys Incorporated, Pittsburgh, Pa. Compositions containing barium compounds. Serial No. 415,332; Mar. 28. Class 6.

Fishman, Ben, doing business as Three Fold Products Co., Louisville, Ky. Preparation for use as a scalp conditioner, etc. Serial No. 414,145; Mar. 28. Class 6.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 414,731; Mar. 28. Class 42.

Frances Emblems, Inc., New York, N. Y. Applique emblems. Serial No. 412,027; Mar. 28. Class 40.

Freiberg, Stanley B., Cincinnati, Ohio. Record cards. Serial No. 415,711; Mar. 28. Class 37.

French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. Serial No. 414,560; Mar. 28. Class 30.

Gale-Rosenbaum Company, St. Louis, Mo. Wearing apparel. Serial No. 414,523; Mar. 28. Class 39.

Galloway Company, Inc., The, Waterloo, Iowa. Centrifugal cream separators. Serial No. 414,066; Mar. 28. Class 23.

Gamble Stores Incorporated, Minneapolis, Minn. Spark plugs. Serial No. 415,333; Mar. 28. Class 21.

Garvenswerke Maschinen-Pumpen-und Waagenfabrik W. Garvens. (See Gotzl, Alfred.)

General Chemical Company, New York, N. Y. Sulphur and sulphur containing products. Serial No. 406,584; Mar. 28. Class 6.

General Chemical Company, New York, N. Y. Cleaning preparations. Serial No. 406,638; Mar. 28. Class 4.

General Food Products Company. (See Safeway Stores, Inc.)

General Mills, Inc., Minneapolis, Minn. Grocery products. Serial No. 406,801; Mar. 28. Class 46.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. Serial No. 414,917; Mar. 28. Class 39.
Gimbel Brothers, Inc., New York, N. Y. Stuffed toys, tennis racquets, tennis balls, etc. Serial No. 414,103; Mar. 28. Class 22.
Glidden Company, The, Cleveland, Ohio. Soybean flour. Serial No. 399,660; Mar. 28. Class 46.
Goffinet, Clarence V., doing business as Standard Vanilla Company, Los Angeles, Calif. Flavoring. Serial No. 415,475; Mar. 28. Class 46.
Goodyear Tire & Rubber Company, The. Hose. Serial No. 416,098; Mar. 28. Class 35.
Goodyear Tire & Rubber Company, Akron, Ohio. Belts and belting. Serial No. 416,139; Mar. 28. Class 35.
Gotzl, Alfred, doing business as Garvenswerke Maschinen-Pumpen-und Waagenfabrik W. Garvens, Vienna, Austria. Electric motors. Serial No. 397,229; Mar. 28. Class 21.
Grah & Plümacher. (See Plümacher, Hugo.)
Gray, Dorothy, Salons, Bloomfield, N. J. Perfume. Serial No. 415,585; Mar. 28. Class 6.
Green & Green Inc., Houston, Tex. Beverages and syrups, concentrates, and extracts for making the same. Serial No. 411,862; Mar. 28. Class 45.
Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 415,552; Mar. 28. Class 46.
Gumakers of America, Inc., Clifton Heights, Pa. Chewing gum. Serial No. 412,182; Mar. 28. Class 46.
Hafner, Victor L. S., New York, N. Y. Sensitized motion picture film. Serial No. 411,481; Mar. 28. Class 26.
Harmon Mute Co., Chicago, Ill. Musical mute. Serial No. 415,118; Mar. 28. Class 36.
Hauschild, Frederick J., doing business as F. J. Hauschild Manufacturing Company, Oneonta, N. Y. Automobile body and fender straightening tool. Serial No. 413,945; Mar. 28. Class 23.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple and pineapple juice. Serial No. 415,289; Mar. 28. Class 46.
Higginsville Flour Mill. (See Stout, Charles B.)
Homasote Company, Inc., Fernwood, N. J. Drip pans, baffles, and shaped elements used in refrigerators. Serial No. 415,891; Mar. 28. Class 31.
Homasote Company, Inc., Fernwood, N. J. Wall board, fireproofing and insulation material, etc. Serial No. 415,892; Mar. 28. Class 12.
Honan-Crane Inc., Lebanon, Ind. Diatomaceous earth for filtering purposes. Serial No. 411,693; Mar. 28. Class 31.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, skin lotion, etc. Serial No. 414,660; Mar. 28. Class 6.
Ideal Fastener Corporation, New York, N. Y. Slide fasteners. Serial No. 414,783; Mar. 28. Class 13.
Industrial Rayon Corporation, Cleveland, Ohio. Fabrics of tubular construction. Serial No. 410,139; Mar. 28. Class 42.
Inlaid Optical Corporation, Providence, R. I. Sunglasses. Serial No. 414,152; Mar. 28. Class 26.
International Affiliated Corporation, New York, N. Y. Medicines and pharmaceutical preparations. Serial No. 414,739; Mar. 28. Class 6.
Interstate Cotton Oil Refining Co., Sherman, Tex. Wheat flour, canned vegetables and fruits, and fruit preserves. Serial No. 410,588; Mar. 28. Class 46.
Ireland Bros, Johnstown, N. Y. Ladies' gloves. Serial No. 414,528; Mar. 28. Class 39.
Jaquet, Incorporated, New York, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 416,066; Mar. 28. Class 6.
Jones, G. H., & Co., Inc., Brawley, Calif. Fresh vegetables and cantaloupes. Serial No. 415,165; Mar. 28. Class 46.
Jordan Mills, Inc., Columbus, Ga. Yarn. Serial No. 415,399; Mar. 28. Class 43.
Kent, Roger, Inc., New York, N. Y.; New Haven, Conn.; and Cambridge, Mass. Men's clothing. Serial Nos. 415,123–4; Mar. 28. Class 39.
Kewanee Liquids Manufacturing Co., Kewanee, Ill. Liquid hog tonic. Serial No. 415,126; Mar. 28. Class 6.
Kresge, Sebastian S., doing business as Kresge Department Store, Newark, Newark, N. J. Hosiery. Serial No. 413,678; Mar. 28. Class 39.
Krieg-Fink, Joseph, Company, Morrisville, Pa. Cordials. Serial No. 413,951; Mar. 28. Class 49.
Kro-No Liniment Co., Jersey City, N. J. Liniment. Serial No. 414,701; Mar. 28. Class 6.
Lactona, Incorporated, St. Paul, Minn. Dentifrice. Serial No. 415,043; Mar. 28. Class 6.
Lady Esther, Ltd., Chicago, Ill. Nail polish. Serial No. 411,273; Mar. 28. Class 6.
Lawrence, Vichal W., Sr., doing business as Optoseal Company, Danville, Ky. Adhesive cements. Serial No. 415,340; Mar. 28. Class 5.
Lentheric, Incorporated, New York, N. Y. Perfume, toilet water, face powder, etc. Serial No. 401,803; Mar. 28. Class 6.
Linette Co., The. (See Lubow, Hyman.)
Little, A. P., Inc., Rochester, N. Y. Typewriter ribbons, carbon papers. Serial No. 414,664; Mar. 28. Class 11.
Losen, W. The, Inc., New York, N. Y. Necktie-silk, rayon and cotton piece goods. Serial No. 414,453; Mar. 28. Class 42.
Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Cotton canvas piece goods. Serial No. 415,483; Mar. 28. Class 42.
Lubrx Products, Inc., Boston, Mass. Lubricating oil. Serial No. 416,069; Mar. 28. Class 15.
Lubri-Zol Corporation, The, Wickliffe, Ohio. Lubricating oils and greases, etc. Serial No. 415,168; Mar. 28. Class 15.
Lucidol Corporation, Buffalo, N. Y. Organic peroxides. Serial No. 415,905; Mar. 28. Class 6.
Lucky Mon-Gol Company, Inc., Memphis, Tenn. Hair dressing, hair tonic, hair coloring, etc. Serial No. 415,297; Mar. 28. Class 6.
Mackintosh, John, & Sons, Limited, Halifax, England. Candy. Serial No. 413,076; Mar. 28. Class 46.
Maid O'Troy, Inc., New York, N. Y. Slips, panties, nightgowns, etc. Serial No. 414,614; Mar. 28. Class 39.
Marimac Novelty Co., New York, N. Y. Crepe paper flowers stiffened with self hardened plastics. Serial No. 414,788; Mar. 28. Class 40.
Marshall-Wells Company, Duluth, Minn. Air moisteners and conditioners. Serial No. 414,358; Mar. 28. Class 34.
Mathews, Herbert D., doing business as Chick Laboratories, Bryan, Ohio. Cleanser. Serial No. 413,357; Mar. 28. Class 4.
Matthews' Laboratories, Ltd., Bristol, England. Preparation used in the treatment of head colds, minor throat irritations, etc. Serial No. 409,430; Mar. 28. Class 6.
McKay, W. E., & Co., New York, N. Y. Cotton and rayon piece goods. Serial No. 414,792; Mar. 28. Class 42.
McLean, W. Fred, Bay Shore, N. Y. Garden rakes. Serial No. 410,796; Mar. 28. Class 23.
McMillan & Harrison Fertilizer Co., Mobile, Ala. Fertilizer. Serial No. 415,085; Mar. 28. Class 10.
McNaught Syndicate, Inc., The, New York, N. Y. Newspaper column. Serial No. 405,076; Mar. 28. Class 38.
Meck, Walter F., Schuylkill Haven, Pa. Diapers. Serial No. 415,131; Mar. 28. Class 39.
Medart Company, The, St. Louis, Mo. Drive belts. Serial No. 416,152; Mar. 28. Class 35.
Melia, Robert, doing business as Robert Permanent Wave Salon, New York, N. Y. Hair bath, scalp and hair conditioner, permanent wave oil, etc. Serial No. 414,158; Mar. 28. Class 6.
Mer-Q-Ree, Incorporated, Bethesda, Md. Fungicides. Serial No. 414,748; Mar. 28. Class 6.
Merry Treat Foods Co. (See Miller, George P.)
Metcalf Neckwear Company, The, Cleveland, Ohio. Neckties. Serial No. 413,451; Mar. 28. Class 39.
Miller, George P., doing business as Merry Treat Foods Co., Naperville, Ill. Food products. Serial No. 375,946; Mar. 28. Class 46.
Miller, Gray, Jr., Westmount, Quebec, Canada. Eye shields. Serial No. 412,714; Mar. 28. Class 26.
Monument Bottling Co., Inc., Indianapolis, Ind. Beverages. Serial No. 414,529; Mar. 28. Class 45.
National Engineering Products, Inc., Washington, D. C. Refractory and insulating cement. Serial No. 415,910; Mar. 28. Class 12.
National Institute of Nutrition, Los Angeles, Calif. Tablets containing vitamin C. Serial No. 415,994; Mar. 28. Class 6.
National Magnesia Co., Inc., Brooklyn, N. Y. Appetizing tonic. Serial No. 415,184; Mar. 28. Class 6.
Neumann-Endler Incorporated, Danbury, Conn. Wool bats and hat bodies. Serial No. 415,087; Mar. 28. Class 39.
New York Knitting Mills, Inc., New York, N. Y. Outer sport apparel. Serial No. 414,307; Mar. 28. Class 39.
Nicholas, Horace J., Perry, Maine. Liniment. Serial No. 414,038; Mar. 28. Class 6.
No-D-Ka Company, The. (See Reid, Marion V.)
Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance. Serial No. 415,791; Mar. 28. Class 6.
Optoseal Company. (See Lawrence, Vichal W., Sr.)
Pacific Mercantile Company, Ltd., Honolulu, Hawaii. Patent medicine. Serial No. 408,473; Mar. 28. Class 6.
Paine, L. Chenault, doing business at Patriot Products, Ltd., Los Angeles, Calif. Electrical toasters, waffle irons, egg boilers, etc. Serial No. 415,344; Mar. 28. Class 21.
Parfums Charbert Inc., New York, N. Y. Perfumes, toilet water, face powder, etc. Serial No. 413,910; Mar. 28. Class 6.
Patent Fuels & Color Corporation, Cincinnati, Ohio. Chemical addition agents for fuels and lubricating oils. Serial No. 410,608; Mar. 28. Class 6.
Patchogue-Plymouth Mills Corporation, New York, N. Y. Lace curtains. Serial No. 415,520; Mar. 28. Class 42.
Patriot Products, Ltd. (See Paine, L. Chenault.)
Penick & Ford, Ltd. Incorporated, New York, N. Y. Adhesive gums. Serial No. 412,982; Mar. 28. Class 5.
Pepperell Manufacturing Company, Boston, Mass. Sheets and pillow cases. Serial No. 415,521; Mar. 28. Class 42.
Perx Company, Chicago, Ill. Tooth paste. Serial No. 415,346; Mar. 28. Class 6.
Pet Kitchens, Inc., Cold Spring and New York, N. Y. Dog food. Serial No. 414,271; Mar. 28. Class 46.
Philadelphia Metal Works Incorporated, Philadelphia, Pa. Egg-grading and sorting machines. Serial No. 402,099; Mar. 28. Class 23.

Plümacher, Hugo, doing business as Grah & Plümacher, Solingen-Weyer, Germany. Scissors. Serial No. 404,849; Mar. 28. Class 23.
Ponder, Max L., Aberdeen, N. C. Washing fluid. Serial No. 411,967; Mar. 28. Class 6.
Pony Boy Express Ice Cream Co. (See Daley, Frank.)
Pratt, Wm. E., Mfg. Co., Joliet, Ill. Hog-rings and pig-rings. Serial No. 402,276; Mar. 28. Class 13.
Raphael, Edwin, Co. Inc., Chicago, Ill. Drapery and upholstery fabrics. Serial No. 413,911; Mar. 28. Class 42.
Rare Chemicals, Inc., Nepara Park, N. Y. Vitamin B-1 and iron, a tonic. Serial No. 415,860; Mar. 28. Class 6.
Redzisz, Andrew, Jersey City, N. J. Liniment. Serial No. 415,861; Mar. 28. Class 6.
Reid, Marion V., doing business as The No-D-Ka Company, West Springfield, Mass. Dentifrices. Serial No. 406,100; Mar. 28. Class 6.
Riemer, Walter A., doing business as Riemer's Salve Co., Muskegon, Mich. Salve for treating athlete's foot. Serial No. 413,879; Mar. 28. Class 6.
Rilling-Arnao Company, Minneapolis, Minn. Chemical exothermic heating elements. Serial No. 402,142; Mar. 28. Class 6.
Rinshed-Mason Company, Detroit, Mich. Undercoating or surface primer. Serial No. 414,239; Mar. 28. Class 16.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Cotton piece goods for suitings. Serial No. 415,486; Mar. 28. Class 42.
Robert Permanent Wave Salon. (See Melia, Robert.)
Robins, A. H., Company, Inc., Richmond, Va. Laxative preparation. Serial No. 415,862; Mar. 28. Class 6.
Roche-Organon, Inc., Nutley, N. J. Medicinal preparation. Serial No. 415,414; Mar. 28. Class 6.
Röhm & Haas Company, Philadelphia, Pa. Enzyme preparation. Serial No. 415,666; Mar. 28. Class 6.
Rosenthal, Daniel L., New York, N. Y. Sanitary napkins, sanitary napkin holders, and combinations thereof. Serial No. 415,742; Mar. 28. Class 44.
Roth, Louis, & Co. Inc., Los Angeles, Calif. Outer clothing. Serial No. 412,926; Mar. 28. Class 39.
Ruberoidwerke Aktien Gesellschaft, Hamburg, Germany. Fibers, threads, and fabrics. Serial No. 408,899; Mar. 28. Class 1.
Rule-Jayton Cotton Oil Co., Stamford, Tex. Cottonseed cake and meal. Serial No. 414,835; Mar. 28. Class 46.
S & M Lamp Co., Los Angeles, Calif. Electric flood lights. Serial No. 403,332; Mar. 28. Class 21.
Safeway Stores, Inc., doing business as General Food Products Company, Oakland, Calif. Canned fruits. Serial No. 414,007; Mar. 28. Class 46.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 413,277; Mar. 28. Class 39.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 414,578; Mar. 28. Class 39.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparations. Serial Nos. 415,263–4; Mar. 28. Class 6.
Schildmeier, Henry C., doing business as H. C. Schildmeier Company, Indianapolis, Ind. Machines used for determining and correcting the static or dynamic balance, or both, of automobile wheels etc. Serial No. 414,082; Mar. 28. Class 26.
Schmieg Sheet Metal Works, Detroit, Mich. Apparatus for washing air. Serial No. 405,409; Mar. 28. Class 34.
Schoenfeld, H., & Sons, Inc., New York, N. Y. Sausage. Serial No. 412,686; Mar. 28. Class 46.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braid. Serial No. 414,536; Mar. 28. Class 40.
Screw Machine Products Company, Inc., Providence, R. I. Telephone equipment and parts thereof. Serial No. 413,799; Mar. 28. Class 21.
Sedlak, Arthur, Company, Inc., New York, N. Y. Pile fabrics. Serial No. 414,756; Mar. 28. Class 42.
Sfregos Products Company. (See Chaousy, George J.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical and medicated jellies. Serial No. 397,054; Mar. 28. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Chemotherapeutic agents. Serial No. 398,690; Mar. 28. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Chemotherapeutic agent. Serial No. 414,276; Mar. 28. Class 6.
Sinclair Manufacturing Company, The, Toledo, Ohio. Bleaching, deodorizing, and disinfecting preparations. Serial No. 415,618; Mar. 28. Class 6.
Siskind Tailoring Co., Inc. New York, N. Y. Men's suits and overcoats. Serial No. 412,736; Mar. 28. Class 39.
Smith, V. R., doing business as V. R. Smith Olive Co., Lindsay, Calif. Canned olives. Serial No. 398,411; Mar. 28. Class 46.
Sonotone Corporation, New York, N. Y. Intercommunicating telephone. Serial No. 415,355; Mar. 28. Class 21.
Southwestern Petroleum Company, Inc., Fort Worth, Tex. Asbestos roof coating, and asbestos plastic cement. Serial No. 415,921; Mar. 28. Class 12.
Spector, Herbert G., Philadelphia, Pa. Suits and overcoats. Serial No. 414,376; Mar. 28. Class 39.
Standard Vanilla Company. (See Goffinet, Clarence V.)
Stanly, Dr. J. W., & Son, Wilmington, N. C. Preparation for use in the treatment of athlete's foot. Serial No. 413,570; Mar. 28. Class 6.
Stayner Corporation, Berkeley, Calif. Effervescent organic granular compounds. Serial No. 413,602; Mar. 28. Class 6.
Steinam, A., Company, Inc., New York, N. Y. Piece goods. Serial No. 411,347; Mar. 28. Class 42.
Stout, Charles B., doing business as Higginsville Flour Mill, Memphis, Tenn. Wheat flour. Serial No. 411,554; Mar. 28. Class 46.
Stover Manufacturing & Engine Co., Freeport, Ill. Windmills. Serial No. 415,150; Mar. 28. Class 23.
Tam Products Co., Inc., New York, N. Y. Preparation for the treatment of ailments of the stomach. Serial No. 415,968; Mar. 28. Class 6.
Tennessee Furniture Corporation, Chattanooga, Tenn. Electric ranges and heaters. 400,258; Mar. 28. Class 21.
Three Fold Products Co. (See Fishman, Ben.)
Thrush, H. A., & Company, Peru, Ind. Hot water heater. Serial Nos. 411,192–3; Mar. 28. Class 34.
Toro, Anthony, doing business as Tropic Medical Products Co., Brooklyn, N. Y. Hair tonic, skin lotion. Serial No. 414,973; Mar. 28. Class 6.
Towry, Charles R., Tulsa, Okla. Packaged soups. Serial No. 414,844; Mar. 28. Class 46.
Tracy, Ella, Bismarck, Mo. Cough syrup. Serial No. 413,883; Mar. 28. Class 6.
Treyz, George I., Estate of, Cooks Falls, N. Y. Antifreeze methanol. Serial No. 415,237; Mar. 28. Class 6.
Tropical Fruit Products, St. Louis, Mo. Tonic for animals. Serial No. 415,359; Mar. 28. Class 6.
Tropical Fruit Products, St. Louis, Mo. Concentrated flavors for making soda fountain drinks. Serial No. 415,361; Mar. 28. Class 45.
Tropical Medical Products Co. (See Toro, Anthony.)
Tru Test Marketing & Merchandising Corp., Chicago, Ill. Water buckets, tool boxes, oil cans, etc. Serial No. 414,126; Mar. 28. Class 2.
Tru Test Marketing & Merchandising Corp., Chicago, Ill. Hand operated laundry washing machines, clothes wringers, etc. Serial No. 414,129; Mar. 28. Class 24.
Tuberlene Co., The, Neenah, Wis. Preparation for coughs. Serial No. 415,675; Mar. 28. Class 6.
United Distillers Products Corp., Amston, Conn. Rum, whiskey, gin, etc. Serial No. 416,125; Mar. 28. Class 49.
United Knitwear, Incorporated, Cincinnati, Ohio. Sweaters, polo shirts, leather coats, etc. Serial No. 414,845; Mar. 28. Class 39.
Van Tongeren, Chester, doing business as Dutch Novelty Shops, Holland, Mich. Novelty toy crates. Serial No. 416,215; Mar. 28. Class 22.
Van Tongeren, Chester, doing business as Dutch Novelty Shops, Holland, Mich. Novelty toy. Serial Nos. 416,216–17; Mar. 28. Class 22.
Vulmar Safety Razor Co., Chicago, Ill. Razor blades and razors. Serial No. 414,326; Mar. 28. Class 23.
W. K. Pile Remedy Co., Mount Vernon, Ohio. Medicine. Serial No. 401,351; Mar. 28. Class 6.
Walgreen Co., Chicago, Ill. Golf balls. Serial No. 415,152; Mar. 28. Class 22.
Walker, James, doing business as Walker Manufacturing Co., Los Angeles, Calif. Sodium hypochlorite bleach. Serial No. 415,677; Mar. 28. Class 6.
Waverly Laboratories, Inc., New York, N. Y. Perfumery. Serial No. 404,878; Mar. 28. Class 6.
Wildberg Bros. Smelting & Refining Co., Los Angeles, Calif. Precious metals. Serial No. 414,905; Mar. 28. Class 14.
Winget Kickernick Company, Minneapolis, Minn. Undergarments for women. Serial No. 413,750; Mar. 28. Class 39.
Zerbee, Louis J., doing business as L. J. Zerbee & Company, Bellefontaine, Ohio. Furniture. Serial No. 415,065; Mar. 28. Class 32.

LIST OF REGISTRANTS OF TRADE-MARKS

Advance Wool Skin Shoe Co., Chicago, Ill. Slippers, shoes, and boots. 366,025; Mar. 28; Serial No. 404,426; published Nov. 29, 1938. Class 39.
Altschuler-Picard, Fred Lausanne, Switzerland. Dresses and hats; underwear; etc. 366,051; Mar. 28; Serial No. 410,765; published Dec. 27, 1938. Class 39.
American Lebkuchen Company, New York, N. Y. Lebkuchen, bread, rolls, and cakes. 366,041; Mar. 28; Serial No. 409,147; published Jan. 17, 1939. Class 46.
Ames Supply Company, Inc., Chicago, Ill. Miscellaneous typewriter parts, tools, and platens. 366,054; Mar. 28; Serial No. 410,876; published Jan. 17, 1939. Class 23.

Andrews, Augusto J., doing business as Pawtucket Standard Braid Company, Pawtucket, R. I. Shoe laces and braids. 366,061; Mar. 28; Serial No. 411,439; published Dec. 20, 1938. Class 40.

Anemostat Corporation of America, New York, N. Y. Fan-driven ventilators, air diffusers, air aspirators, etc. 366,052; Mar. 28; Serial No. 410,818; published Jan. 17, 1939. Class 34.

Atlantic Insulated Wire & Cable Company, Jersey City, N. J., and New York, N. Y., assignor, by mesne assignments, to General Cable Corporation, New York, N. Y. Insulated wire. 125,016; renewed Apr. 8, 1939.

Atlantic Refining Company, The, Philadelphia, Pa. Paints. 366,066–7; Mar. 28; Serial Nos. 411,763–4; published Jan. 10, 1939. Class 16.

Autoyre Company, Incorporated, The, Oakville, Conn. Soap dishes, towel bars, roll holders, etc. 366,094; Mar. 28; Serial No. 412,539; published Jan. 17, 1939. Class 13.

Bamberger, L., & Co., Newark, N. J. Whiskies, gins, brandies, etc. 366,131; Mar. 28; Serial No. 413,384; published Jan. 17, 1939. Class 49.

Bamberger, L., & Co., Newark, N. J. Wines. 366,132; Mar. 28; Serial No. 413,385; published Jan. 17, 1939. Class 47.

Barbour, Herbert C., New York, N. Y. Exercising machine. 366,092; Mar. 28; Serial No. 412,431; published Jan. 17, 1939. Class 22.

Barfoot, J. A., doing business as J. A. Barfoot & Company, Los Angeles, Calif. Insecticides. 366,154; Mar. 28. Class 6.

Barnard, Therides V., Omaha, Nebr. Popcorn, popped popcorn, and seasoning for popcorn. 366,014; Mar. 28; Serial No. 399,028; published Jan. 17, 1939. Class 46.

Barrell, William L., Company, Inc., New York, N. Y. Piece goods. 366,057; Mar. 28; Serial No. 411,075; published Jan. 17, 1939. Class 42.

Barta-Griffin Company, Worcester, Mass. Compound of pure linseed varnishes, etc., to be mixed with printing ink. 366,055; Mar. 28; Serial No. 410,894; published Jan. 17, 1939. Class 11.

Bass, Ratcliff & Gretton, Limited, Burton-on-Trent, England. Beer. 16,851; renewed July 23, 1939.

Bassett, Geo., & Company Limited, Sheffield, England. Candies. 366,010; Mar. 28; Serial No. 397,834; published Nov. 9, 1937. Class 46.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. 125,958; renewed July 22, 1939.

Berkander, George F., Inc., Providence, R. I. Jewelry. 366,021; Mar. 28; Serial No. 403,033; published Jan. 10, 1939. Class 28.

Black Bear Company, Inc., The, Long Island City, N. Y. Oils, greases, fats, etc. 366,028; Mar. 28; Serial No. 406,576; published Jan. 10, 1939. Class 15.

Black & Decker Manufacturing Company, The, Towson, Md. Electrical apparatus and machines and accessories. 366,115; Mar. 28; Serial No. 412,997; published Jan. 17, 1939. Class 21.

Blanton, David A., St. Louis, Mo. Oleomargarin. 125,265; renewed Apr. 29, 1939.

Blossom Products Corporation, Allentown, Pa. Ribbons, textile rugs, sheets, etc. 366,006; Mar. 28; Serial No. 373,719; published Apr. 7, 1936. Class 42.

Bonsor, C. F., & Co., Inc., Philadelphia, Pa. Coffee, tea, rice, etc. 366,110; Mar. 28; Serial No. 412,939; published Jan. 17, 1939. Class 46.

Brown & Williamson Tobacco Corporation, Lousville, Ky. Cigars, cigarettes, smoking tobacco, etc. 366,128–9; Mar. 28; Serial Nos. 413,263–4; published Jan. 17, 1939. Class 17.

Bryn Mawr Fruit Growers Association, Bryn Mawr and Redlands, assignor to Bryn Mawr Fruit Growers Association, Bryn Mawr, Calif. Fresh citrus fruits. 125,615; renewed June 3, 1939.

California Fig Growers and Packers, Inc., Fresno, Calif. Dried fruits. 366,087; Mar. 28; Serial No. 412,370; published Jan. 17, 1939. Class 46.

Capital City Products Company, The, Columbus, Ohio. Oleomargarine. 366,007; Mar. 28; Serial No. 388,047; published Jan. 17, 1939. Class 46.

Carborundum Company, The, Niagara Falls, N. Y. Refractory bricks, tiles, shapes, etc. 366,116; Mar. 28; Serial No. 413,000; published Jan. 10, 1939. Class 12.

Carlton Mills Co., Inc., Philadelphia, Pa., and New York, N. Y. Woolen piece goods. 366,073; Mar. 28; Serial No. 411,938; published Jan. 17, 1939. Class 42.

Carpinteria Mutual Citrus Association, Carpinteria, Calif. Lemons. 366,012; Mar. 28; Serial No. 398,611; published Jan. 17, 1939. Class 46.

Castillon & Co., Cognac, France. Cognac. 366,042; Mar. 28; Serial No. 409,419; published Jan. 17, 1939. Class 49.

Cellulose & Paper Converting Co. (See Isen, Nathan D.)

Charles Stores Company Incorporated, New York, N. Y. Shirts, gloves, and neckties, and hats. 366,011; Mar. 28; Serial No. 398,093; published July 19, 1938. Class 39.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 366,088; Mar. 28; Serial No. 412,372; published Jan. 17, 1939. Class 19.

Colcombet François & Cie Société Anonyme, St. Etienne, France. Textile fabrics. 366,119; Mar. 28; Serial No. 413,062; published Jan. 17, 1939. Class 42.

Coleman, Julius H., Baltimore, Md. Finger rings. 366,130; Mar. 28; Serial No. 413,290; published Jan. 10, 1939. Class 28.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. 366,105–7; Mar. 28; Serial Nos. 412,901–3; published Jan. 17, 1939. Class 32.

Columbia Mills, Inc., The, New York, N. Y. Window shade cloth. 366,161; Mar. 28. Class 42.

Comas, John, New York, N. Y. Candy, bread, canned fruits and vegetables, etc. 366,013; Mar. 28; Serial No. 398,838; published Jan. 17, 1939. Class 46.

Connell Bros. Company Limited, San Francisco, Calif. Canned fish, squid and abalone, etc. 366,133; Mar. 28; Serial No. 408,419; published Jan. 31, 1939. Class 46.

Continental Supply Company, The, Dallas, Tex. Paint, and pipe line coating. 366,069; Mar. 28; Serial No. 411,824; published Jan. 10, 1939. Class 16.

Criterion Paper and Twine Co., New York, N. Y. Pattern paper. 366,159; Mar. 28. Class 37.

Crompton Company, West Warwick, R. I. Textile fabrics. 366,059; Mar. 28; Serial No. 411,213; published Jan. 17, 1939. Class 42.

Dell, Samuel M., & Co. Inc., Baltimore, Md. Paint brushes. 366,034; Mar. 28; Serial No. 407,088; published Jan. 3, 1939. Class 29.

Dell, Samuel M., & Co., Inc., Baltimore, Md. Paint brushes. 366,037; Mar. 28; Serial No. 407,426; published Jan. 3, 1939. Class 29.

Duke Laboratories, Inc., Long Island City, N. Y. Medicated bandages. 366,122; Mar. 28; Serial No. 413,212; published Jan. 17, 1939. Class 44.

Eaton Paper Corporation, Pittsfield, Mass. Typewriter paper. 366,102; Mar. 28; Serial No. 412,852; published Jan. 17, 1939. Class 37.

Emlong, Ralph R., doing business as Emlong's Nursery, Stevensville, Mich. Fruit trees. 366,111; Mar. 28; Serial No. 412,963; published Jan. 17, 1939. Class 1.

Epstein, Perez, doing business as Perry Equipment and Supply Company, Philadelphia, Pa. Copper bars. 366,101; Mar. 28; Serial No. 412,759; published Jan. 17, 1939. Class 14.

Etter, William A., doing business as The Spinning Wheel, El Paso, Tex. Maltless concentrated flavors. 366,038; Mar. 28; Serial No. 407,430; published Jan. 17, 1939. Class 45.

Falls City Creamery Company, Falls City, Nebr. Dressed poultry and eggs. 366,156; Mar. 28. Class 46.

Falls City Creamery Company, Falls City, Nebr. Butter. 366,157; Mar. 28. Class 46.

Ferst, M. A., Ltd., Atlanta, Ga. Wood cased pencils and pencil leads. 366,080; Mar. 28; Serial No. 412,254; published Jan. 17, 1939. Class 37.

Fischer Baking Company, Newark, N. J. Bread. 366,029; Mar. 28; Serial No. 406,679; published Sept. 13, 1938. Class 46.

Fletcher, Lyle M., Sacramento, Calif. Pile and eczema remedy. 124,528; renewed Feb. 25, 1939.

Fox River Paper Co., assignor to Fox River Paper Corporation, Appleton, Wis. Writing-paper. 125,135; renewed Apr. 15, 1939.

Francis Advertising Agency, Detroit, Mich. Periodical. 366,112; Mar. 28; Serial No. 412,967; published Jan. 17, 1939. Class 38.

Gamble Stores Incorporated, Minneapolis, Minn. Paint. 366,097; Mar. 28; Serial No. 412,633; published Jan. 10, 1939. Class 16.

General Cable Corporation. (See Atlantic Insulated Wire & Cable Company, assignor.)

General Motors Corporation, Detroit, Mich. Radio receiving sets and controls, parts, and accessories thereof. 366,120; Mar. 28; Serial No. 413,069; published Jan. 17, 1939. Class 21.

Goldberg, Arthur, Dresses, Inc., New York, N. Y. Dresses and suits. 366,143; Mar. 28. Class 39.

Goodall Worsted Company, Sanford, Maine. Piece goods and linings. 366,153; Mar. 28. Class 42.

Grant & Grant, Los Angeles, Calif. Piston rings and piston adjusters. 366,148; Mar. 28. Class 35.

Grant, W. T., Company, New York, N. Y. Hand, nail, and tooth brushes. 366,118; Mar. 28; Serial No. 413,042; published Jan. 17, 1939. Class 29.

Gray & Company, Portland, Oreg. Beverages and syrups and extracts for making the same. 366,017; Mar. 28; Serial No. 399,761; published Jan. 17, 1939. Class 45.

Griggs Canning Company, Natalia, Tex. Canned vegetables and sauerkraut. 366,147; Mar. 28. Class 46.

Gross Sydney Inc., New York, N. Y. Suits, dresses, blouses, etc. 366,137; Mar. 28. Class 39.

Haffner, Gustav, Cincinnati, Ohio. Bracelets. 366,098; Mar. 28; Serial No. 412,705; published Jan. 10, 1939. Class 28.

Harlingen Canning Company, Harlingen, Tex. Canned fruits, vegetables, and fruit juices. 366,139; Mar. 28. Class 46.

Hearst Magazines Inc., New York, N. Y. Publication. 366,046; Mar. 28; Serial No. 410,108; published Jan. 10, 1939. Class 38.

Hercules Powder Company, Wilmington, Del. Terpene hydrocarbon solvent. 366,005; Mar. 28; Serial No. 365,941; published July 16, 1935. Class 16.

Hilborn-Hamburger, Inc., New York, N. Y. Jewelry. 366,114; Mar. 28; Serial No. 412,992; published Jan. 10, 1939. Class 28.

Hirsch, Eric D., doing business as Holdafone Co., Memphis, Tenn. Portable telephone stand. 366,149; Mar. 28. Class 32.

Holdafone Co. (See Hirsch, Eric D.)

Huribut Paper Company, South Lee, Mass. Writing papers. 366,145; Mar. 28. Class 37.

Innes, Wilbert F., Des Moines, Iowa. Wrapper blanks for cigarette packages. 366,043; Mar. 28; Serial No. 409,527; published Jan. 17, 1939. Class 37.

International Fur Workers' Union of United States and Canada, New York, N. Y. Furs. 366,049; Mar. 28; Serial No. 410,654; published Jan. 17, 1939. Class 1.

Isen, Nathan D., doing business as Cellulose & Paper Converting Co., Philadelphia, Pa. Adding machine paper rolls. 366,058; Mar. 28; Serial No. 411,198; published Jan. 17, 1939. Class 37.

Johnson, D. V., doing business as Tennessee Grain Co., not Inc., and Tennessee Flour Co., not Inc., Nashville, Tenn. Wheat flour. 366,026; Mar. 28; Serial No. 404,764; published Jan. 17, 1939. Class 46.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 124,548; renewed Feb. 25, 1939.

Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., New York, N. Y. Coloring for foods. 126,028; renewed July 22, 1939.

Komaromy, Anton, New York, N. Y. Chemical compound used to tint hair. 366,150; Mar. 28. Class 6.

Krasnow, Jas. S., El Centro, Calif. Fresh vegetables and melons. 366,040; Mar. 28; Serial No. 409,130; published Jan. 17, 1939. Class 46.

Lerner's Vogue Shops, Kansas City, Mo. Women's wearing apparel. 366,135; Mar. 2. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits. 366,146; Mar. 28. Class 39.

Levy, Lonis, assignor, by mesne assignments, to Model Brassiere Corp., New York, N. Y. Ladies' wearing apparel. 126,033; renewed July 22, 1939.

Lisson-Melen Co., Lynn, Mass. Spring units or assemblies. 366,142; Mar. 28. Class 32.

Loomtogs, Inc., New York, N. Y. Playsuits, bathing suits, coats, etc. 366,160; Mar. 28. Class 39.

Lube Jack Co., Santa Monica, Calif. Mechanism to vibrate a vehicle during the process of lubrication. 366,158; Mar. 28. Class 23.

Lullabye Furniture Corporation, Stevens Point, Wis. Children's bedroom furniture. 366,138; Mar. 28. Class 32.

Manhattan Brewing Co., Chicago, Ill. Beer. 366,113; Mar. 28; Serial No. 412,976; published Jan. 17, 1939. Class 48.

Marine Optical Mfg. Co., Boston, Mass. Sunglasses. 366,155; Mar. 28. Class 26.

Martin Brothers Electric Company, The, Cleveland, Ohio. Electric apparatus known as moisture indicators. 366,108; Mar. 28; Serial No. 412,914; published Jan. 17, 1939. Class 44.

May Department Stores Co., The, New York, N. Y.; Akron and Cleveland, Ohio; Baltimore, Md.; Los Angeles, Calif.; Denver, Colo; and St. Louis, Mo. Razor blades. 36,065; Mar. 28; Serial No. 411,747; published Jan. 17, 1939. Class 23.

McKellips Mutual Citrus Growers, Inc., Mesa, Ariz. Fresh citrus fruit. 366,123; Mar. 28; Serial No. 413,229; published Jan. 17, 1939. Class 46.

McMillan Athletic Goods Co., Inc., Terre Haute, Ind. Footballs, basketballs, volley balls, etc. 366,063; Mar. 28; Serial No. 411,645; published Jan. 17, 1939. Class 22.

McNaney, Edward T., Baltimore, Md. Oysters. 366,074; Mar. 28; Serial No. 411,959; published Jan. 17, 1939. Class 46.

Meridian Grain & Elevator Co. (See Wilson, John M.)

Meukow, A. C., & Co. (See Shepherd, T. D., & Co.)

Mid-West Glass Company, The, Cincinnati, Ohio. Mirrors. 366,078; Mar. 28; Serial No. 412,229; published Jan. 17, 1939. Class 32.

Mikulas, Milan M., doing business as Mylans, San Francisco, Calif. Iron phosphate; potassium chloride; etc. 366,151; Mar. 28. Class 6.

Miller, Albert, & Co., Chicago, Ill. Potatoes. 366,079; Mar. 28; Serial No. 412,230; published Jan. 17, 1939. Class 46.

Model Brassiere Corp. (See Levy, Louis, assignor.)

Morner, Adolf H., New York, N. Y. Insulating board and wall board. 366,045; Mar. 28; Serial No. 409,692; published Nov. 1, 1938. Class 12.

Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes. 366,121; Mar. 28; Serial No. 413,140; published Jan. 17, 1939. Class 17.

Morrison Milling Co., The, Denton, Tex. Wheat flour. 366,144; Mar. 28. Class 46.

Mosesson, Benjamin D., New York, N. Y. Buckles and shirt studs, collar holders, etc. 366,076; Mar. 28; Serial No. 412,061; published Jan. 17, 1939. Class 28.

Mutual Orange Distributors, Redlands, Calif. Canned citrus fruits and canned citrus fruit juices. 366,020; Mar. 28; Serial No. 401,503; published June 14, 1938. Class 46.

Mylans. (See Mikulas, Milan M.)

National Broadcasting Company, Inc., New York, N. Y. Publication. 366,009; Mar. 28; Serial No. 396,607; published Jan. 10, 1939. Class 38.

National Co-Operatives, Inc., Indianapolis, Ind. Washing machines and electric ironers. 366,016; Mar. 28; Serial No. 399,671; published Aug. 30, 1938. Class 24.

National Electric Products Corporation, Pittsburgh, Pa. Electrical connectors, lugs, and taps. 366,023; Mar. 28; Serial No. 403,957; published Jan. 17, 1939. Class 21.

National Fiberstok Envelope Co., Philadelphia, Pa. Adjustable fasteners. 366,077; Mar. 28; Serial No. 412,197; published Jan. 17, 1939. Class 37.

National Motor Company, Springfield, Ohio. Clothes washing machines. 366,022; Mar. 28; Serial No. 403,518; published Sept. 20, 1938. Class 24.

National Sales Stimulator Company, Kansas City, Kans. Blank books. 366,068; Mar. 28; Serial No. 411,790; published Jan. 17, 1939. Class 37.

New York Evening Journal, Inc., New York, N. Y. Newspaper section and magazine. 366,070; Mar. 28; Serial No. 411,895; published Jan. 10, 1939. Class 38.

Omnibook, Inc., New York, N. Y. Magazine. 366,089; Mar. 28; Serial No. 412,421; published Jan. 17, 1939. Class 38.

Oneida Paper Products, Inc., New York, N. Y. Cellulose, glassine, or paper bags. 366,008; Mar. 28; Serial No. 396,083; published Jan. 10, 1939. Class 2.

Oxford Milling Co. (See White, James F.)

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Lubricating oils and greases. 366,071; Mar. 28; Serial No. 411,896; published Jan. 17, 1939. Class 15.

Pawtucket Standard Braid Company. (See Andrews, Augusto J.)

Penick & Ford, Ltd. Incorporated, New York, N. Y. Caramel colors for coloring alcoholic beverages. 366,109; Mar. 28; Serial No. 412,922; published Jan. 17, 1939. Class 49.

Perkins Marine Lamp & Hardware Corporation, New York and Brooklyn, N. Y. Pumps, foghorns, air whistles, etc. 366,035; Mar. 28; Serial No. 407,325; published Jan. 17, 1939. Class 23.

Perry Equipment and Supply Company. (See Epstein, Perez.)

Peters, F. C., Inc., Goulds, Fla. Fresh vegetables. 366,124; Mar. 28; Serial No. 413,239; published Jan. 17, 1939. Class 46.

Phillips-Jones Corporation, New York, N. Y. Men's dress shirts. 366,136; Mar. 28. Class 39.

Photo-Nite Syndicate, Robinson, Ill. Photographs. 366,044; Mar. 28; Serial No. 409,652; published Jan. 10, 1939. Class 38.

Picchi Bros., Stockton, Calif. Fresh vegetables. 366,117; Mar. 28; Serial No. 413,029; published Jan. 17, 1939. Class 46.

Pittsburgh & Ohio Mining Company, The, Cleveland, Ohio. Coal. 366,030; Mar. 28; Serial No. 406,824; published Jan. 17, 1939. Class 1.

Pittsburgh & Ohio Mining Company, The, Cleveland, Ohio. Coal. 366,031–2; Mar. 28; Serial Nos. 406,826–7; published Jan. 17, 1939. Class 1.

Plee-Zing, Inc., Chicago, Ill. Tissue and toilet paper. 366,027; Mar. 28; Serial No. 405,080; published Jan. 17, 1939. Class 37.

Popper-Morson Co., Inc., Jersey City, N. J. Straight bourbon whiskey. 366,036; Mar. 28; Serial No. 407,386; published Jan. 17, 1939. Class 49.

Powe, E. M., doing business as E. M. Powe & Son, Detroit, Mich. Barbecue sauce. 366,125; Mar. 28; Serial No. 413,242; published Jan. 17, 1939. Class 46.

Protectol Company, assignor to Protectol Company, Inc., Chicago, Ill. Apparatus for cleaning and purifying beer coils, lines, and kegs. 366,060; Mar. 28; Serial No. 411,245; published Jan. 17, 1939. Class 23.

Radel Leather Mfg. Co., Inc., Newark, N. J. Leather. 366,093; Mar. 28; Serial No. 412,525; published Jan. 17, 1939. Class 1.

Ragland, Potter & Co., Inc., Nashville, Tenn. Coffee. 366,084; Mar. 28; Serial No. 412,358; published Jan. 17, 1939. Class 46.

Rand, J. H., Corp'n., assignor, by mesne assignments, to The Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y. Index-tabs. 124,761; renewed Mar. 11, 1939.

Randon, R. W., & Co. (See Shepherd, T. D., & Co.)

Reeves Steel and Manufacturing Company, Dover, Ohio. Sheet steel. 366,140; Mar. 28. Class 14.

Remington Typewriter Company, Ilion and New York, assignor to Remington Rand Inc., Buffalo, N. Y. Carbon-paper. 125,509; renewed May 20, 1939.

Revlon Nail Enamel Corporation, The, New York, N. Y. Fitted cases containing nail polish preparations, scissors, etc. 366,085; Mar. 28; Serial No. 412,359; published Jan. 17, 1939. Class 50.

Revlon Nail Enamel Corporation, The, New York, N. Y. Enamel adapted for coating finger nails. 366,141; Mar. 28. Class 6.

Ross, Limited, London, England. Binoculars, opera glasses, photographic lenses, etc. 366,152; Mar. 28. Class 26.

Southern Kraft Corporation. (See Victory Bag & Paper Co., assignor.)

St. Meinrad's Abbey, St. Meinrad, Ind. Printed literature. 366,047; Mar. 28; Serial No. 410,341; published Jan. 17, 1939. Class 38.

Santiago Development Corporation, New York, N. Y. Preparation for use in making food beverages. 366,086; Mar. 28; Serial No. 412,361; published Jan. 17, 1939. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Men's coats, vests, and trousers. 125,099; renewed Apr. 8, 1939.
Siegel, A. L., Co., Inc., New York, N. Y. Powder puffs. 366,090; Mar. 28; Serial No. 412,424; published Jan. 17, 1939. Class 29.
Shepherd, T. D., & Co., also doing business as A. C. Meukow & Co., Cognac, France. Brandy. 366,126; Mar. 28; Serial No. 413,246; published Jan. 17, 1939. Class 49.
Shepherd, T. D., & Co., also doing business as R. W. Randon & Co., Cognac, France. Brandy. 366,127; Mar. 28; Serial No. 413,247; published Jan. 17, 1939. Class 49.
Sinclair Refining Company, New York, N. Y. Compound for removing paints. 366,048; Mar. 28; Serial No. 410,557; published Jan. 17, 1939. Class 16.
Spinning Wheel, The. (See Etter, William A.)
Standard Felt Corporation, Alhambra, Calif. Piano hammers and for specially prepared felt in sheet form. 366,072; Mar. 28; Serial No. 411,912; published Jan. 17, 1939. Class 36.
Stetson, George W., Boston, Mass. Feed-water controllers used in connection with steam-boilers. 125,529; renewed May 20, 1939.
Stop Motion Devices Corporation, Brooklyn, N. Y. Knitting machines and stop motion mechanisms therefor. 366,018; Mar. 28; Serial No. 400,482; published Feb. 8, 1938. Class 23.
Suberit-Fabrik A.-G., Mannheim-Rheinau, Germany. Press-cork. 366,039; Mar. 28; Serial No. 407,507; published Jan. 17, 1939. Class 1.
Suffern, Robert A., New York, N. Y., to R. A. Suffern, Plainfield, N. J. Cotton piece goods. 124,597; renewed Feb. 25, 1939.
Suffern, Robert A., New York, N. Y., to R. A. Suffern, Plainfield, N. J. Cotton piece goods. 124,782; renewed Mar. 11, 1939.
Suffern, Robert A., New York, N. Y., to R. A. Suffern, Plainfield, N. J. Cotton piece goods. 124,894; renewed Mar. 18, 1939.
Suffern, Robert A., New York, N. Y., to R. A. Suffern, Plainfield, N. J. Cotton piece goods. 124,999; renewed Apr. 1, 1939.
Suffern, Robert A., New York, N. Y., to R. A. Suffern, Plainfield, N. J. Cotton piece goods. 125,531–2; renewed May 20, 1939.
Sullivan, Cornelius, New York, N. Y. Pamphlets. 366,056; Mar. 28; Serial No. 411,016; published Jan. 10, 1939. Class 38.
Superior Silk Mills, Inc., Gloversville, N. Y. Wide knitted elastic piece goods. 366,062; Mar. 28; Serial No. 411,473; published Jan. 17, 1939. Class 42.
Superior Silk Mills, Inc., Gloversville, N. Y. Wide Knitted elastic piece goods. 366,099; Mar. 28; Serial No. 412,737; published Jan. 17, 1939. Class 42.
Talawanda Springs, Inc., Cincinnati, Ohio. Natural mineral springs water. 366,095; Mar. 28; Serial No. 412,564; published Jan. 17, 1939. Class 45.
Tennessee Grain Co., not Inc. (See Johnson, D. V.)
Thomson Symon Company, Terre Haute, Ind. Posters, and the like. 366,050; Mar. 28; Serial No. 410,757; published Jan. 10, 1939. Class 38.
Thompson, William, Dallas, Tex. Title for a newspaper columu. 366,053; Mar. 28; Serial No. 410,873; published Jan. 10, 1939. Class 38.
Tidy Products Corporation, New York, N. Y. Infant's sleeping garment. 366,134; Mar. 28. Class 39.
Trabert & Hoeffer Inc., New York, N. Y. Brooches, bracelets, lavalieres, etc. 366,064; Mar. 28; Serial No. 411,662; published Jan. 10, 1939. Class 28.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. 366,091; Mar. 28; Serial No. 412,426; published Jan. 17, 1939. Class 1.
Uniform Flour Company. (See White, James F.)
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Nails and tacks. 124,796; renewed Mar. 11, 1939.
United States Gypsum Company, Chicago, Ill. Perforated membranes for acoustical absorption of sound and building constructions incorporating said membranes. 366,100; Mar. 28; Serial No. 412,739; published Jan. 10, 1939. Class 12.
United States Rubber Products, Inc., assignor to United States Rubber Company, New York, N. Y. Rubber balls for flush closets. 366,015; Mar. 28; Serial No. 399,431; published Jan. 17, 1939. Class 13.
Victor Safe & Equipment Company, The. (See Rand, J. H., Corp'n.)
Victory Bag & Paper Co., Chicago, Ill., assignor to Southern Kraft Corporation, New York, N. Y. Paper bags. 124,610–19; renewed Feb. 25, 1939.
Wallace, Marcel, New York, N. Y. Radio compasses and direction finders. 366,024; Mar. 28; Serial No. 404,022; published Jan. 17, 1939. Class 26.
Walter, Carl W., Newton Center, Mass. Heat-treatment control devices. 366,081; Mar. 28; Serial No. 412,315; published Jan. 17, 1939. Class 44.
Walter, Carl W., Newton Center, Mass. Control devices for sterilizers, etc. 366,082; Mar. 28; Serial No. 412,316; published Jan. 17, 1939. Class 44.
West Bend Aluminum Co., West Bend, Wis. Aluminum tea kettles. 366,096; Mar. 28; Serial No. 412,573; published Jan. 17, 1939. Class 13.
Western Lithograph Company, The, Wichita, Kans. Pocket checks. 366,083; Mar. 28; Serial No. 412,317; published Jan. 17, 1939. Class 37.
White, James F., doing business as Uniform Flour Company and Oxford Milling Co., Oxford, N. C. Wheat flour, self-rising wheat flour, and corn meal. 366,103; Mar. 28; Serial No. 412,884; published Jan. 17, 1939. Class 46.
White, Paul, New York, N. Y. Magazine. 366,104; Mar. 28; Serial No. 412,885; published Jan. 17, 1939. Class 38.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 366,033; Mar. 28; Serial No. 407,077; published July 19, 1938. Class 46.
Wilson, John M., doing business as Meridian Grain & Elevator Co., Meridian, Miss. Dairy and poultry feeds. 366,019; Mar. 28; Serial No. 400,748; published Jan. 17, 1939. Class 46.
Wolff, Conrad, Irvington, N. J. Exothermic powder. 366,075; Mar. 28; Serial No. 411,981; published Jan. 17, 1939. Class 1.

LIST OF REGISTRANTS OF LABELS

Abeles-Lewit Co. Inc., New York, N. Y. Lacquer. For Iridescent Lacquer. 52,693; Mar. 28.
Alexander, Clyde A., doing business as Alexander's Bakery, Parsons, Kans. Sally Ann Sliced Bread. For Sliced Bread. 52,694; Mar. 28.
Ash-Bradford, Inc., South Bend, Ind. Ol'Fashion Flavor Ice Cream. For Ice Cream. 52,695; Mar. 28.
Bathe, Charles G., Tulsa, Okla. Ranger Bread. For Bread. 52,696; Mar. 28.
Baur Flour Mills Co., St. Louis, Mo. Holwhite Sliced Bread. For Bread. 52,697; Mar. 28.
Bay State Produce Co., Inc., Boston, Mass. Boston Market Brand Pascal. For Celery. 52,698; Mar. 28.
Blum, Philip, & Company, Inc., Chicago, Ill. Old Age. For Kentucky Straight Bourbon Whiskey. 52,699; Mar. 28.
Blum, Philip, & Company, Inc., Chicago, Ill. Silver Bar. For Distilled London Dry Gin. 52,700; Mar. 28.
Bubbles Soap Products. (See Klein, Jacob.)
California and Hawaiian Sugar Refining Corporation, Limited, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. C and H Sugar Pure Cane Dark Brown. For Sugar. 52,701; Mar. 28.
California Fruit Growers Exchange, Los Angeles, Calif. Dairy Orange Base. For a Dairy Orange Base for Making a Juice Drink. 52,702; Mar. 28.
Carter Carburetor Corporation, St. Louis, Mo. Carburetor Repair Parts Package. For Carburetor Repair Parts Assortments. 52,703; Mar. 28.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Saddle-Master Shoes. For Shoes. 52,704; Mar. 28.
Dayless County Distilling Company, Inc., The, Owensboro, Ky. Once Again. For Kentucky Straight Bourbon Whiskey. 52,705; Mar. 28.
Klein, Jacob, doing business as Bubbles Soap Products, Newark, N. J. Bubbles Soap Powder. For Soap Powder. 52,706; Mar. 28.
Langendorf United Bakeries, Inc., San Francisco, Calif. Wheato-Nuts. For Cereal Food. 52,707; Mar. 28.
Leenaars, Peter J., Jr., doing business as Peter Leenaars, Battle Creek, Mich. Leenaars Chocolates. For Chocolates. 52,708; Mar. 28.
Lucky Heart Laboratories, Inc., Memphis, Tenn. Lucky Heart 2 Way Combination. For Cocoanut Oil Shaving Cream and Hair Shampoo. 52,709; Mar. 28.
Menasha Products Company, Menasha, Wis. La Harpe Creamery Butter. For Butter. 52,710; Mar. 28.
Mordt, Erik J., Port Washington, N. Y. The Swing-Ezy Jumprope. For Jump Ropes. 52,711; Mar. 28.
Myers, Charles R., Indianapolis, Ind. Noted. For Bread. 52,712; Mar. 28.
Old Mountaineer Distilling Co., Incorporated, Louisville, Ky. Old Mountaineer. For Bourbon Whiskey. 52,713; Mar. 28.
Penn Battery Manufacturing Co. Inc., New York, N. Y. Pendleton. For Automobile Batteries. 52,714; Mar. 28.
Pfeiffer, S. Mfg. Co., St. Louis, Mo. Ve-Ta-Co. For a Medicinal Tonic and Stimulant to the Appetite. 52,715; Mar. 28.
Reape, John E., doing business as John E. Reape Co., Youngstown, Ohio. Reape's Scalp Treatment. For a Scalp Treatment Dandruff Remover. 52,716; Mar. 28.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Seal-Tip Corn Pads. For Corn Pads. 52,717; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Seal-Tip Callous Pads. For Callous Pads. 52,718; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Seal-Tip Bunion Pads. For Bunion Pads. 52,719; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Seal-Tip Soft Corn Pads. For Soft Corn Pads. 52,720; Mar. 28.
Scholl Mfg., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino Pads. For Soft Corn Pads. 52,721; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Corn Pads. 52,722; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Bunion Pads. 52,723; Mar. 28.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Callous Pads. 52,724; Mar. 28.
Ve-Gor Dog Food Company, Los Angeles, Calif. Hi-Caloried Ve-Gor. For Dog Food. 52,725; Mar. 28.
Wagner, Mary C., Cincinnati, Ohio. Potato Crush. For Bread. 52,726; Mar. 28.
Ward Baking Company, New York, N. Y. Ward's Donuts. For Doughnuts. 52,727; Mar. 28.
Warwick Ginger Ale Co., Inc., West Warwick, R. I. Speed Ball. For Non-Alcoholic Beverages. 52,728; Mar. 28.
Young, Alexander, Distilling Co., Philadelphia, Pa. Penn Orchard. For Apple Brandy. 52,729; Mar. 28.

LIST OF REGISTRANTS OF PRINTS

Faucetqueen Company. (See Lehman, Carl E.)
Gay Blade Company. (See Rider, Daniel H.)
Lehman, Carl E., doing business as Faucetqueen Company, Chicago, Ill. Spray or stream. For Faucet Attachments. 17,280; Mar. 28.
Leon, I. Joseph, Freeport, N. Y. Strength of the Loom. For Brassières, Baudeaus, Corsets, Girdles, Corsettes, Textile and Textile Products, Yard Goods, Wearing Apparel and Finished Textile Products of all Kinds. 17,281; Mar. 28.
Master Glaze Co., The, Milwaukee, Wis. Master Glaze (Print No. 1). For a Cleaner and a Polish for Glazing Automobiles. 17,282; Mar. 28.
Master Glaze Co., The, Milwaukee, Wis. Master Glaze (Print No. 2). For a Cleaner and a Polish for Glazing Automobiles. 17,283; Mar. 28.
Munsingwear, Inc., Minneapolis, Minn. It's Smart to be Comfortable. For Women's Hosiery. 17,284; Mar. 28.
Munsingwear, Inc., Minneapolis, Minn. It's Smart to be Comfortable. For Women's Girdles. 17,285; Mar. 28.
Munsingwear, Inc., Minneapolis, Minn. It's Smart to be Comfortable. For Men's Underwear. 17,286; Mar. 28.
Munsingwear, Inc., Minneapolis, Minn. It's Smart to be Comfortable. For Men's Socks. 17,287; Mar. 28.
Rider, Daniel H., doing business as Gay Blade Company, New York, N. Y. Gay Blades. For Safety Razor Blades. 17,288; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Fixo Corn Plasters. For Corn Plasters. 17,289; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Bromidrosis Powder. For Foot Powder and Deodorant. 17,290; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Toe-Flex. For Foot Corrective Devices for Straightening Crooked Toes. 17,291; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Foot Balm. For Foot Balm. 17,292; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's "2" Drop Corn Remedy. For Corn Remedy. 17,293; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Bunion Reducer. For Bunion Reducers. 17,294; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Kurotex. For Foot Plaster. 17,295; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Foot Powder. For Foot Powder. 17,296; Mar. 28.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Zino-Pads. For Soft Corn Pads. 17,297; Mar. 28.
Skinner, Lloyd M., doing business as the Skinner Manufacturing Company, Omaha, Nebr. Cereal and Fruit—(Counter Card). For Breakfast Cereal. 17,298; Mar. 28.
Skinner, Lloyd M., doing business as the Skinner Manufacturing Company, Omaha, Nebr. Cereal and Fruit "Shopper Stopper" For Breakfast Cereal. 17,299; Mar. 28.
Soft-Lite Lens Co., Inc., New York, N. Y. But What Are You Doing About Your Eyes? For Lenses. 17,300; Mar. 28.
Soft-Lite Lens Co., Inc., New York, N. Y. His Skill May Help Her Discover a New World. For Lenses. 17,301; Mar. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Pittsburgh & Ohio Mining Company. 366,030; Mar. 28; Serial No. 406,824; published Jan. 17, 1939.
Coal. Pittsburgh & Ohio Mining Company. 366,031–2; Mar. 28; Serial Nos. 406,826–7; published Jan. 17, 1939.
Furs. International Fur Workers' Union of United States and Canada. 366,049; Mar. 28; Serial No. 413,654; published Jan. 17, 1939.
Leather. Albert Trostel & Sons Company. 366,091; Mar. 28. Serial No. 412,426; published Jan. 17, 1939.
Leather. Radel Leather Mfg. Co. 366,093; Mar. 28; Serial No. 412,525; published Jan. 17, 1939.
Powder, Exothermic. C. Wolff. 366,075; Mar. 28; Serial No. 411,981; published Jan. 17, 1939.
Press-cork. Suberit-Fabrik A.-G. 366,039; Mar. 28; Serial No. 407,507; published Jan. 17, 1939.
Trees, Fruit. R. R. Emlong. 366,111; Mar. 28; Serial No. 412,963, published Jan. 17, 1939.

CLASS 2

Bags, Cellulose, glassine, or paper. Oneida Paper Products, Inc. 366,008; Mar. 28; Serial No. 396,083; published Jan. 10, 1939.
Bags, Paper. Victory Bag & Paper Co. 124,610–19; renewed Feb. 25, 1939.

CLASS 6

Chemical Compound used to tint hair. A. Komaromy. 366,150; Mar. 28.
Coloring for foods. H. Kohnstamm & Co. 126,028; renewed July 22, 1939.
Enamel adapted for coating finger nails. Revlon Nail Enamel Corporation. 366,141; Mar. 28.
Insecticides. J. A. Barfoot. 366,154; Mar. 28.
Iron phosphate; potassium chloride, etc. M. M. Mikulas. 366,151; Mar. 28.
Pile and eczema remedy. L. M. Fletcher. 124,528; renewed Feb. 25, 1939.

CLASS 11

Carbon-paper. Remington Typewriter Company. 125,509; renewed May 20, 1939.
Compound of pure linseed varnishes, etc., to be mixed with printing ink. Barta-Griffin Company. 366,055; Mar. 28; Serial No. 410,894; published Jan. 17, 1939.

CLASS 12

Board and wall board, Insulating. A. H. Morner. 366,045; Mar. 28; Serial No. 409,692; published Nov. 1, 1938.
Bricks, tiles, shapes, etc., Refractory. Carborundum Company. 366,116; Mar. 28; Serial No. 413,000; published Jan. 10, 1939.
Membranes for acoustical absorption of sound, and building constructions incorporating said membranes, Perforated. United States Gypsum Company. 366,100; Mar. 28; Serial No. 412,739; published Jan. 10, 1939.

CLASS 13

Balls for flush closets, Rubber. United States Rubber Products, Inc. 366,015; Mar. 28; Serial No. 399,431; published Jan. 17, 1939.
Dishes, towel bars, roll holders, etc., Soap. Autoyre Company. 366,094; Mar. 28; Serial No. 412,539; published Jan. 17, 1939.
Kettles, Aluminum tea. West Bend Aluminum Co. 366,096; Mar. 28; Serial No. 412,573; published Jan. 17, 1938.
Nails and tacks. United Shoe Machinery Corporation. 124,796; renewed Mar. 11, 1939.

CLASS 14

Copper bars. P. Epstein. 366,101; Mar. 28; Serial No. 412,759; published Jan. 17, 1939.
Steel, Sheet. Reeves Steel and Manufacturing Company. 366,140; Mar. 28, 1939.

CLASS 15

Oils and greases, Lubricating. Panther Oil & Grease Mfg. Co. 366,071; Mar. 28; Serial No. 411,896; published Jan. 17, 1939.
Oils; greases, fats, etc. Black Bear Company. 366,028; Mar. 28; Serial No. 406,576; published Jan. 10, 1939.

CLASS 16

Compound for removing paints. Sinclair Refining Company. 366,048; Mar. 28; Serial No. 410,557; published Jan. 17, 1939.
Paint. Gamble Stores Incorporated. 366,097; Mar. 28; Serial No. 412,633; published Jan. 10, 1939.
Paint, and pipe line coating. Continental Supply Company. 366,069; Mar. 28; Serial No. 411,824; published Jan. 10, 1939.
Paints. Atlantic Refining Company. 366,066–7; Mar. 28; Serial Nos. 411,763–4; published Jan. 10, 1939.
Solvent, Terpene hydrocarbon. Hercules Powder Company. 366,005; Mar. 28; Serial No. 365,941; published July 16, 1935.

CLASS 17

Cigarettes. Philip Morris & Co. Ltd. Incorporated. 366,121; Mar. 28; Serial No. 413,140; published Jan. 17, 1939.
Cigars, cigarettes, smoking tobacco, etc. Brown & Williamson Tobacco Corporation. 366,128–9; Mar. 28; Serial Nos. 413,263–4; published Jan. 17, 1939.

CLASS 19

Automobiles and their structural parts. Chrysler Corporation. 366,088; Mar. 28; Serial No. 412,372; published Jan. 17, 1938.

CLASS 21

Apparatus and machines and accessories, Electrical. Black & Decker Manufacturing Company. 366,115; Mar. 28; Serial No. 412,997; published Jan. 17, 1939.
Connectors, lugs, and taps, Electrical. National Electric Products Corporation. 366,023; Mar. 28; Serial No. 403,957; published Jan. 17, 1939.
Insulated wire. Atlantic Insulated Wire & Cable Company. 125,016; renewed Apr. 8, 1939.
Radio receiving sets and controls, parts, and accessories thereof. General Motors Corporation. 366,120; Mar. 28; Serial No. 413,069; published Jan. 17, 1939.

CLASS 22

Exercising machine. H. C. Barbour. 366,092; Mar. 28; Serial No. 412,431; published Jan. 17, 1939.
Footballs, basketballs, volley balls, etc. McMillan Athletic Goods Co. 366,063; Mar. 28; Serial No. 411,645; published Jan. 17, 1939.

CLASS 23

Apparatus for cleaning and purifying beer coils, lines, and kegs. Protectol Company. 366,060; Mar. 28; Serial No. 411,245; published Jan. 17, 1939.
Controllers used in connection with steam-boilers, Feed-water. G. W. Stetson. 125,529; renewed May 20, 1939.
Knitting machines and stop motion mechanisms therefor. Stop Motion Devices Corporation. 366,018; Mar. 28; Serial No. 400,482; published Feb. 8, 1938.
Mechanism to vibrate a vehicle during the process of lubrication. Lube Jack Co. 366,158; Mar. 28.
Pumps, foghorns, air whistles, etc. Perkins Marine Lamp & Hardware Corporation. 366,035; Mar. 28; Serial No. 407,325; published Jan. 17, 1939.
Razor blades. May Department Stores Co. 366,065; Mar. 28; Serial No. 411,747; published Jan. 17, 1939.
Typewriter parts, tools, and platens, Miscellaneous. Ames Supply Company. 366,054; Mar. 28; Serial No. 410,876; published Jan. 17, 1939.

CLASS 24

Washing machines and electric ironers. National Co-Operatives, Inc. 366,016; Mar. 28; Serial No. 399,671; published Aug. 30, 1938.
Washing machines, Clothes. National Motor Company. 366,022; Mar. 28; Serial No. 403,518; published Sept. 20, 1938.

CLASS 26

Binoculars, opera glasses, photographic lenses, etc. Ross, Limited. 366,152; Mar. 28.
Radio compasses and direction finders. M. Wallace. 366,024; Mar. 28; Serial No. 404,022; published Jan. 17, 1939.
Sunglasses. Marine Optical Mfg. Co. 366,155; Mar. 28.

CLASS 28

Braclets. G. Haffner. 366,098; Mar. 28; Serial No. 412,705; published Jan. 10, 1939.
Brooches, bracelets, lavalieres, etc. Trabert & Hoeffer, Inc. 366,064; Mar. 28; Serial No. 411,662; published Jan. 10, 1939.
Buckles and shirt studs, collar holders, etc. B. D. Mosesson. 366,076; Mar. 28; Serial No. 412,061; published Jan. 17, 1939.
Jewelry. G. F. Berkander. 366,021; Mar. 28; Serial No. 403,033; published Jan. 10, 1939.
Jewelry. Hilborn-Hamburger, Inc. 366,114; Mar. 28; Serial No. 412,992; published Jan. 10, 1939.
Rings, Finger. J. H. Coleman. 366,130; Mar. 28; Serial No. 413,290; published Jan. 10, 1939.

CLASS 29

Brushes, Hand, nail, and tooth. W. T. Grant Company. 366,118; Mar. 28; Serial No. 413,042; published Jan. 17, 1939.
Brushes, Paint. Samuel M. Dell & Co. Inc. 366,034; Mar. 28; Serial No. 407,088; published Jan. 3, 1939.
Brushes, Paint. Samuel M. Dell & Co. 366,037; Mar. 28; Serial No. 407,426; published Jan. 3, 1939.
Powder puffs. A. L. Siegel Co. 366,090; Mar. 28; Serial No. 412,424; published Jan. 17, 1939.

CLASS 32

Furniture, Children's bedroom. Lullabye Furniture Corporation. 366,138; Mar. 28.
Mirrors. Mid-West Glass Company. 366,078; Mar. 28; Serial No. 412,229; published Jan. 17, 1939.
Shades, window shades, and shade rollers, Mounted. Columbia Mills, Inc. 366,105–7; Mar. 28; Serial Nos. 412,901–3; published Jan. 17, 1939.
Spring units or assemblies. Lisson-Melen Co. 366,142; Mar. 28.
Stand, Portable telephone. E. D. Hirsch. 366,149; Mar. 28.

CLASS 34

Ventilators, air diffusers, air aspirators, etc., Fan-driven Anemostat Corporation of America. 366,052; Mar. 28; Serial No. 410,818; published Jan. 17, 1939.

CLASS 35

Piston rings and piston adjusters. Grant & Grant. 366,148; Mar. 28.

CLASS 36

Piano hammers. Standard Felt Corporation. 366,072; Mar. 28; Serial No. 411,912; published Jan. 17, 1939.

CLASS 37

Books, Blank. National Sales Stimulator Company. 366,068; Mar. 28; Serial No. 411,790; published Jan. 17, 1939.
Checks, Pocket. Western Lithograph Company. 366,083; Mar. 28; Serial No. 412,317; published Jan. 17, 1939.
Fasteners, Adjustable. National Fiberstok Envelope Co. 366,077; Mar. 28; Serial No. 412,197; published Jan. 17, 1939.
Index-tabs. J. H. Rand Corp'n. 124,761; renewed Mar. 11, 1939.
Paper, Pattern. Criterion Paper and Twine Co. 366,159; Mar. 28.
Paper rolls, Adding machine. N. D. Isen. 366,058; Mar. 28; Serial No. 411,198; published Jan. 17, 1939.
Paper, Tissue and toilet. Plee-Zing, Inc. 366,027; Mar. 28; Serial No. 405,080; published Jan. 17, 1939.
Paper, Typewriter. Eaton Paper Corporation. 366,102; Mar. 28; Serial No. 412,852; published Jan. 17, 1939.
Paper, Wiring. Fox River Paper Co. 125,135; renewed Apr. 15, 1939.
Papers, Writing. Hurlbut Paper Company. 366,145; Mar. 28.
Pencils and pencil leads, Wood cased. M. A. Ferst, Ltd. 366,080; Mar. 28; Serial No. 412,254; published Jan. 17, 1939.
Wrapper blanks for cigarette packages. W. F. Innes. 366,043; Mar. 28; Serial No. 409,527; published Jan. 17, 1939.

CLASS 38

Literature, Printed. St. Meinrad's Abbey. 366,047; Mar. 28; Serial No. 410,341; published Jan. 17, 1939.
Magazine. Omnibook, Inc. 366,089; Mar. 28; Serial No. 412,421; published Jan. 17, 1939.
Magazine. P. White. 366,104; Mar. 28; Serial No. 412,885; published Jan. 17, 1939.
Newspaper section and magazine. New York Evening Journal, Inc. 366,070; Mar. 28; Serial No. 411,895; published Jan. 10, 1939.
Pamphlets. C. Sullivan. 366,056; Mar. 28; Serial No. 411,016; published Jan. 10, 1939.
Periodical. Francis Advertising Agency. 366,112; Mar. 28; Serial No. 412,967; published Jan. 17, 1939.
Photographs. Photo-Nite Syndicate. 366,044; Mar. 28; Serial No. 409,652; published Jan. 10, 1939.
Posters, and the like. Thomson Symon Company. 366,050; Mar. 28; Serial No. 410,757; published Jan. 10, 1939.
Publication. Hearst Magazines Inc. 366,046; Mar. 28; Serial No. 4120,108; published Jan. 10, 1939.
Publication. National Broadcasting Company. 366,009; Mar. 28; Serial No. 396,607; published Jan. 10, 1939.
Title for a newspaper column. W. Thompson. 366,053; Mar. 28; Serial No. 410,873; published Jan. 10, 1939.

CLASS 39

Apparel, Ladies' wearing. L. Levy. 126,033; renewed July 22, 1939.
Apparel, Women's wearing. Lerner's Vogue Shops. 366,135; Mar. 28.
Coats, vests, and trousers. Sears, Roebuck and Co. 125,099; renewed Apr. 8, 1939.
Dresses and hats; underwear; etc. F. Altschuler-Picard. 366,051; Mar. 28; Serial No. 410,765; published Dec. 27, 1938.
Dresses and suits. Arthur Goldberg Dresses, Inc. 366,143; Mar. 28.
Garment, Infant's sleeping. Tidy Products Corporation. 366,134; Mar. 28.
Hosiery. Julius Kayser & Co. 124,548; renewed Feb. 25, 1938.

Playsuits, bathing suits, coats, etc. Loomtogs, Inc. 366,160; Mar. 28.
Shirts; gloves; and neckties and hats. Charles Stores Company Incorporated. 366,011; Mar. 28; Serial No. 398,093; published July 19, 1938.
Shirts, Men's dress. Phillips-Jones Corporation. 366,136; Mar. 28.
Slippers, shoes, and boots. Advance Wool Skin Shoe Co. 366,025; Mar. 28; Serial No. 404,426; published Nov. 29, 1938.
Suits. Levy Bros. & Adler Rochester, Incorporated. 366,146; Mar. 28.
Suits, dresses, blouses, etc. Gross Sydney Inc. 366,137; Mar. 28.

CLASS 40

Shoe laces and braids. A. J. Andrews. 366,061; Mar. 28; Serial No. 411,439; published Dec. 20, 1938.

CLASS 42

Cloth, Window shade. Columbia Mills, Inc. 366,161; Mar. 28.
Cotton piece goods. Bates Manufacturing Company. 125,958; renewed July 22, 1939.
Cotton piece goods. R. A. Suffern. 124,597; renewed Feb. 25, 1939.
Cotton piece goods. R. A. Suffern. 124,782; renewed Mar. 11, 1939.
Cotton piece goods. R. A. Suffern. 124,894; renewed Mar. 18, 1939.
Cotton piece goods. R. A. Suffern. 124,999; renewed Apr. 1, 1939.
Cotton piece goods. R. A. Suffern. 125,531–2; renewed May 20, 1939.
Elastic piece goods, Wide knitted. Superior Silk Mills, Inc. 366,062; Mar. 28; Serial No. 411,473; published Jan. 17, 1939.
Elastic piece goods, Wide knitted. Superior Silk Mills, Inc. 366,099; Mar. 28; Serial No. 412,737; published Jan. 17, 1939.
Fabrics, Textile. Colcombet François & Cie Société Anonyme. 366,119; Mar. 28; Serial No. 413,062; published Jan. 17, 1939.
Fabrics, Textile. Crompton Company. 366,059; Mar. 28; Serial No. 411,213; published Jan. 17, 1939.
Piece goods. William L. Barrell Company. 366,057; Mar. 28; Serial No. 411,075; published Jan. 17, 1939.
Piece goods and linings. Goodall Worsted Company. 366,153; Mar. 28.
Ribbons, textile rugs, sheets, etc. Blossom Products Corporation. 366,006; Mar. 28; Serial No. 373,719; published Apr. 7, 1936.
Woolen piece goods. Carlton Mills Co. 366,073; Mar. 28; Serial No. 411,938; published Jan. 17, 1939.

CLASS 44

Bandages, Medicated. Duke Laboratories, Inc. 366,122; Mar. 28; Serial No. 413,212; published Jan. 17, 1939.
Control devices for sterilizers, etc. C. W. Walter. 366,082; Mar. 28; Serial No. 412,316; published Jan. 17, 1939.
Electric apparatus known as moisture indicators. Martin Brothers Electric Company. 366,108; Mar. 28; Serial No. 412,914; published Jan. 17, 1939.
Heat-treatment control devices. C. W. Walter. 366,081; Mar. 28; Serial No. 412,315; published Jan. 17, 1939.

CLASS 45

Beverages and syrups and extracts for making the same. Gray & Company. 366,017; Mar. 28; Serial No. 399,761; published Jan. 17, 1939.
Flavors, Maltless concentrated. W. A. Etter. 366,038; Mar. 28; Serial No. 407,430; published Jan. 17, 1939.
Water, Natural mineral springs. Talawanda Springs, Inc. 366,095; Mar. 28; Serial No. 412,564; published Jan. 17, 1939.

CLASS 46

Bread. Fischer Baking Company. 366,029; Mar. 28; Serial No. 406,679; published Sept. 13, 1938.
Butter. Falls City Creamery Company. 366,157; Mar. 28.
Candies. Geo. Bassett & Company Limited. 366,010; Mar. 28; Serial No. 397,834; published Nov. 9, 1937.
Candy. Stephen F. Whitman & Son, Inc. 366,033; Mar. 28; Serial No. 407,077; published July 19, 1938.
Candy, bread, canned fruits and vegetables, etc. J. Comas. 366,013; Mar. 28; Serial No. 398,838; published Jan. 17, 1939.
Canned citrus fruits and canned fruit juices. Mutual Orange Distributors. 366,020; Mar. 28; Serial No. 401,503; published June 14, 1938.
Canned fish, squid, and abalone; etc. Connell Bros. Company Limited. 366,133; Mar. 28; Serial No. 408,419; published Jan. 31, 1939.
Canned fruits, vegetables, and fruit juices. Harlingen Canning Company. 366,139; Mar. 28.
Canned vegetables and sauerkraut. Griggs Canning Company. 366,147; Mar. 28.
Coffee. Ragland, Potter & Co. 366,084; Mar. 28; Serial No. 412,358; published Jan. 17, 1939.
Coffee, tea, rice, etc. C. F. Bonsor & Co. 366,110; Mar. 28; Serial No. 412,939; published Jan. 17, 1939.
Feeds, Dairy and poultry. J. M. Wilson. 366,019; Mar. 28; Serial No. 400,748; published Jan. 17, 1939.
Flour, self-rising wheat flour, and corn meal, Wheat. J. F. White. 366,103; Mar. 28; Serial No. 412,884; published Jan. 17, 1939.
Flour, Wheat. D. V. Johnson. 366,026; Mar. 28; Serial No. 404,764; published Jan. 17, 1939.
Flour, Wheat. Morrison Milling Co. 366,144; Mar. 28.
Fruits, Dried. California Fig Growers and Packers, Inc. 366,087; Mar. 28; Serial No. 412,370; published Jan. 17, 1939.
Fruits, Fresh citrus. Bryn Mawr Fruit Growers Association. 125,015; renewed June 3, 1939.
Fruit, Fresh citrus. McKellips Mutual Citrus Growers, Inc. 366,123; Mar. 28; Serial No. 413,229; published Jan. 17, 1939.
Lebkuchen, bread, rolls, and cake. Amercian Lebkuchen Company. 366,041; Mar. 28; Serial No. 409,147; published Jan. 17, 1939.
Lemons. Carpinteria Mutual Citrus Association. 366,012; Mar. 28; Serial No. 398,611; published Jan. 17, 1939.
Oleomargarine. Capital City Products Company. 366,007; Mar. 28; Serial No. 388,047; published Jan. 17, 1939.
Oleomargarin. D. A. Blanton. 125,265; renewed Apr. 29, 1939.
Oysters. E. T. McNaney. 366,074; Mar. 28; Serial No. 411,959; published Jan. 17, 1939.
Popcorn, popped popcorn, and seasoning for popcorn. T. V. Barnard. 366,014; Mar. 28; Serial No. 399,028; published Jan. 17, 1939.
Potatoes. Albert Miller & Co. 366,079; Mar. 28; Serial No. 412,230; published Jan. 17, 1939.
Poultry and eggs, Dressed. Falls City Creamery Company. 366,156; Mar. 28.
Preparation for use in making food beverages. Santiago Development Corporation. 366,086; Mar. 28; Serial No. 412,361; published Jan. 17, 1939.
Sauce, Barbecue. E. M. Powe. 366,125; Mar. 28; Serial No. 413,242; published Jan. 17, 1939.
Vegetables and melons, Fresh. J. S. Krasnow. 366,040; Mar. 28; Serial No. 409,130; published Jan. 17, 1939.
Vegetables, Fresh. F. C. Peters, Inc. 366,124; Mar. 28; Serial No. 413,239; published Jan. 17, 1939.
Vegetables, Fresh. Picchi Bros. 366,117; Mar. 28; Serial No. 413,029; published Jan. 17, 1939.

CLASS 47

Wines. L. Bamberger & Co. 366,132; Mar. 28; Serial No. 413,385; published Jan. 17, 1939.

CLASS 48

Beer. Bass, Ratcliff & Gretton, Limited. 16,851; renewed July 23, 1939.
Beer. Manhattan Brewing Co. 366,113; Mar. 28; Serial No. 412,976; published Jan. 17, 1939.

CLASS 49

Brandy. T. D. Shepherd & Co. 366,126–7; Mar. 28; Serial Nos. 413,246–7; published Jan. 17, 1939.
Cognac. Castillon & Co. 366,042; Mar. 28; Serial No. 409,419; published Jan. 17, 1939.
Colors for coloring alcoholic beverages, Caramel. Penick & Ford, Ltd. Incorporated. 366,109; Mar. 28; Serial No. 412,922; published Jan. 17, 1939.
Whiskey, Straight bourbon. Popper-Morson Co. 366,036; Mar. 28; Serial No. 407,386; published Jan. 17, 1939.
Whiskies, gins, brandies, etc. L. Bamberger & Co. 366,131; Mar. 28; Serial No. 413,384; published Jan. 17, 1939.

CLASS 50

Cases containing nail polish preparations, scissors, etc., Fitted. Revlon Nail Enamel Corporation. 366,085; Mar. 28; Serial No. 412,359; published Jan. 17, 1939.

LIST OF LABELS

Boston Market Brand Pascal. For Celery. Bay State Produce Co. 52,698; Mar. 28.
Bubbles Soap Powder. For Soap Powder. J. Klein. 52,706; Mar. 28.
C and H Sugar Pure Cane Dark Brown. For Sugar. California and Hawaiian Sugar Refining Corporation. 52,701; Mar. 28.
Carburetor Repair Parts Package. For Carburetor Repair Parts Assortments. Carter Carburetor Corporation. 52,703; Mar. 28.
Dairy Orange Base. For a Dairy Orange Base for Making a Juice Drink. California Fruit Growers Exchange. 52,702; Mar. 28.

Dr. Scholl's Super-Soft Zino-Pads. For Soft Corn Pads. Scholl Mfg. Co. 52,721; Mar. 28.
Dr. Scholl's Super-Soft Zino-Pads. For Corn Pads. Scholl Mfg. Co. 52,722; Mar. 28.
Dr. Scholl's Super-Soft Zino-Pads. For Bunion Pads. Scholl Mfg. Co. 52,723; Mar. 28.
Dr. Scholl's Super-Soft Zino-Pads. For Callous Pads. Scholl Mfg. Co. 52,724; Mar. 28.
Hi-Caloried Ve-Gor. For Dog Food. Ve-Gor Dog Food Company. 52,725; Mar. 28.
Holwhite Sliced Bread. For Bread. Baur Flour Mills Co. 52,697; Mar. 28.
Lacquer. For Iridescent Lacquer. Abeles-Lewit Co. Inc. 52,693; Mar. 28.
La Harpe Creamery Butter. For Butter. Menasha Products Company. 52,710; Mar. 28.
Leenaars Chocolates. For Chocolates. P. J. Leenaars, Jr. 52,708; Mar. 28.
Lucky Heart 2 Way Combination. For Cocoanut Oil Shaving Cream and Hair Shampoo. Lucky Heart Laboratories, Inc. 52,709; Mar. 28.
Noted. For Bread. C. R. Myers. 52,712; Mar. 28.
Old Age. For Kentucky Straight Bourbon Whiskey. Philip Blum & Company. 52,699; Mar. 28.
Old Mountaineer. For Bourbon Whiskey. Old Mountaineer Distilling Co. 52,713; Mar. 28.
Ol' Fashion Flavor Ice Cream. For Ice Cream. Ash-Bradford, Inc. 52,695; Mar. 28.
Once Again. For Kentucky Straight Bourbon Whiskey. Daviess County Distilling Company. 52,705; Mar. 28.
Pendleton. For Automobile Batteries. Penn Battery Manufacturing Co. Inc. 52,714; Mar. 28.
Penn Orchard. For Apple Brandy. Alexander Young Distilling Co. 52,729; Mar. 28.
Potato Crush. For Bread. M. C. Wagner. 52,726; Mar. 28.
Ranger Bread. For Bread. C. G. Bathe. 52,696; Mar. 28.
Reape's Scalp Treatment. For a Scalp Treatment Dandruff Remover. J. E. Reape. 52,716; Mar. 28.
Saddle-Master Shoes. For Shoes. M. B. Claff & Sons, Inc. 52,704; Mar. 28.
Sally Ann Sliced Bread. For Sliced Bread. C. A. Alexander. 52,694; Mar. 28.
Seal-Tip Bunion Pads. For Bunion Pads. Scholl Mfg. Co. 52,719; Mar. 28.
Seal-Tip Corn Pads. For Corn Pads. Scholl Mfg. Co. 52,717; Mar. 28.
Seal-Tip Callous Pads. For Callous Pads. Scholl Mfg. Co. 52,718; Mar. 28.
Seal-Tip Soft Corn Pads. For Soft Corn Pads. Scholl Mfg. Co. 52,720; Mar. 28.
Silver Bar. For Distilled London Ory Gin. Philip Blum & Company. 52,700; Mar. 28.
Speed Ball. For Non-Alcoholic Beverages. Warwick Ginger Ale, Inc. 52,728; Mar. 28.
The Swing-Ezy Jumprope. For Jump Ropes. E. J. Mordt. 52,711; Mar. 28.
Ve-Ta-Co. For a Medicinal Tonic and Stimulant to the Appetite. S. Pfeiffer Mfg. Co. 52,715; Mar. 28.
Ward's Donuts. For Doughnuts. Ward Baking Company. 52,727; Mar. 28.
Wheato-Nuts. For Cereal Food. Langendorf United Bakeries, Inc. 52,707; Mar. 28.

LIST OF PRINTS

But What are You Doing About Your Eyes? For Lenses. Soft-Lite Lens Co., Inc. 17,300; Mar. 28.
Cereal *and* Fruit—(Counter Card). For Breakfast Cereal. L. M. Skinner. 17,298; Mar. 28.
Cereal and Fruit "Shopper Stopper". For Breakfast Cereal. L. M. Skinner. 17,299; Mar. 28.
Dr. Scholl's Fixo Corn Plasters. For Corn Plasters. Scholl Mfg. Co. Inc. 17,289; Mar. 28.
Dr. Scholl's Bromidrosis Powder. For Foot Powder and Deodorant. Scholl Mfg. Co. Inc. 17,290; Mar. 28.
Dr. Scholl's Toe-Flex. For Foot Corrective Devices for Straightening Crooked Toes. Scholl Mfg. Co. Inc. 17,291; Mar. 28.
Dr. Scholl's Foot Balm. For Foot Balm. Scholl Mfg. Co. Inc. 17,292; Mar. 28.
Dr. Scholl's "2" Drop Corn Remedy. For Corn Remedy. Scholl Mfg. Co. Inc. 17,293; Mar. 28.
Dr. Scholl's Bunion Reducer. For Bunion Reducers. Scholl Mfg. Co. Inc. 17,294; Mar. 28.
Dr. Scholl's Kurotex. For Foot Plaster. Scholl Mfg. Co. Inc 17,295; Mar. 28.
Dr. Scholl's Foot Powder. For Foot Powder. Scholl Mfg. Co. Inc. 17,296; Mar. 28.
Dr. Scholl's Zino-Pads. For Soft Corn Pads. Scholl Mfg. Co. Inc. 17,297; Mar. 28.
Gay Blades. For Safety Razor Blades. D. H. Rider. 17,288; Mar. 28.
His Skill May Help Her Discover a New World. For Lenses. Soft-Lite Lens Co. 17,301; Mar. 28.
It's Smart to be Comfortable. For Women's Hosiery. Munsingwear, Inc. 17,284; Mar. 28.
It's Smart to be Comfortable. For Women's Girdles. Munsingwear, Inc. 17,285; Mar. 28.
It's Smart to be Comfortable. For Men's Underwear. Munsingwear, Inc. 17,286; Mar. 28.
It's Smart to be Comfortable. For Men's Socks. Munsingwear, Inc. 17,287; Mar. 28.
Master Glaze (Print No. 1). For a Cleaner and a Polish for Glazing Automobles. Master Glaze Co. 17,282; Mar. 28.
Master Glaze (Print No. 2). For a Cleaner and a Polish for Glazing Automobiles. Master Glaze Co. 17,283; Mar. 28.
Spray or Stream. For Faucet Attachments. C. E. Lehman. 17,280; Mar. 28.
Strength of the Loom. For Brassières, Bandeaus, Corsets, Girdles, Corsettes, Textile and Textile Products, Yard Goods, Wearing Apparel and Finished Textile Products of All Kinds. I. J. Leon. 17,281; Mar. 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Dorr Company, The. (See Slade, James V., assignor.)
Föttinger, Hermann, Berlin-Wilmersdorf, Germany. Hydraulic transmission gear. Re. 21,035; Mar. 28.
Hartford-Empire Company. (See Kucera, Peter, assignor.)
Jackson, Ralph G., Woodbury, N. J. Floor covering. Re. 21,036; Mar. 28.
Kucera, Peter, Allison Park, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Displacement glass feeder. Re. 21,037; Mar. 28.
Leins, Oscar J., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Magnetic switch. Re. 21,038; Mar. 28.
Milwaukee Gas Specialty Company. (See Leins, Oscar J., assignor.)
Slade, James V., New Rochelle, assignor to The Dorr Company, Inc., New York, N. Y. Grinding. Re. 21,039; Mar. 28.

LIST OF PLANT PATENTEES

Bountiful Ridge Nurseries. (See Perry, Willie M.)
Gaujard, Jean, Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 321; Mar. 28.
Jackson & Perkins Company. (See Gaujard, Jean, assignor.)
Kimura, Roy Y., Los Angeles, Calif. Dahlia. 322; Mar. 28.
Perry, Willie M., Chase City, Va., assignor to Bountiful Ridge Nurseries, Princess Anne, Md. Peach tree. 320; Mar. 28.

LIST OF DESIGN PATENTEES

Autoyre Company, The. (See Sanford, Roy S., assignor.)
Ayres, Waldemar, New York, N. Y. Finger ring. 113,959; Mar. 28.
Barton, Harry S. (See Stamm, A. H., and Barton.)
Bauman, Moe, New York, N. Y. Coat. 114,010; Mar. 28.
Bennett, J., Inc. (See D'Amaro, John, assignor.)
Birren, Faber, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley pin setter. 113,960; Mar. 28.
Blazey, Lawrence, Cleveland, Ohio, assignor to Rowe Manufacturing Co., Inc., Belleville, N. J. Vending machine cabinet. 113,961; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,004; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,005; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,006; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,007; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,008; Mar. 28.
Blunt, Royden A., Baltimore, Md. Bottle. 114,009; Mar. 28.
Boothby, Walter M., A. H. Bulbulian, and W. R. Lovelace, Rochester, Minn. Inhalation mask. 113,984; Mar. 28.
Bramhall, Arthur, Livingston, N. J. Milk bottle. 114,011; Mar. 28.
Brophy, John, New York, N. Y. Ring. 113,962; Mar. 28.
Brown, Charles H., Breckenridge, Tex. Checker board. 113,963; Mar. 28.
Brunswick-Balke-Collender Company, The. (See Birren, Faber, assignor.)
Brunswick-Balke-Collender Company, The. (See Lawson, William C., assignor.)
Bulbulian, Arthur H. (See Boothby, W. M., Bulbulian, and Lovelace.)
Cartier, Societe Anonyme. (See Toussaint, Jeanne, assignor.)
Clinker, Lake E., Toledo, Ohio. Vehicle door handle. 114,012; Mar. 28.
Constantine, George, Mattapan, Mass. Dress ensemble. 114,038; Mar. 28.
Craver, Bates B., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Overshoe. 113,964; Mar. 28.
Cuyahoga Furniture and Lamp Company. (See Kraft, Max E., assignor.)
D'Amaro, John, assignor to J. Bennett Inc., Brooklyn, N. Y. Ash receiver. 114,013; Mar. 28.
Detroit Macoid Corporation. (See Gould, Jacob E., assignor.)
Dunton, Marjorie, New York, N. Y. Glove. 114,014; Mar. 28.
Eagle Pencil Company. (See Shannon, David B., assignor.)
Electrolux Corporation. (See Ell, Lars J. F., assignor.)
Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 113,985; Mar. 28.
Etkin, Simon, New York, N. Y. Dress ensemble. 114,039; Mar. 28.
Everedy Company, The. (See Hutcheson, Ray R., assignor.)
Farrington, Horatio H., Pearl River, N. Y. Cross. 114,015; Mar. 28.
Faulkner, Mayme I., Fort Smith, Ark. Doll. 113,965; Mar. 28.
Flatow, Ralph, New York, N. Y. Textile fabric. 113,986; Mar. 28.
Friedman, William, New York, N. Y. Overall ensemble. 114,016; Mar. 28.
Frontman, Samuel E., New York, N. Y. Dress ensemble. 114,040; Mar. 28.
Goodstein, Lawrence, New York, N. Y. Comfortable. 113,987; Mar. 28.
Gould, Jacob E., assignor to Detroit Macoid Corporation, Detroit, Mich. Cigarette dispenser. 114,017; Mar. 28.
Gray, Frank C. (See Wishny, M., and Gray.)
Gregory, Carey G., Los Angeles, Calif. Combination desk unit. 113,966; Mar. 28.
Griffith, Florence M., Albany, N. Y. Garment supporter. 114,018; Mar. 28.
Halfin, Gates A. (See O'Neill, J. D., and Sullivan, assignors.)
Haasen, Abraham, and M. Meyers, Chicago, Ill. Lamp. 113,988; Mar. 28.
Hickok Manufacturing Company. (See Manning, Daniel T., assignor.)
Hickok Manufacturing Company. (See Vaisey, Harold C., assignor.)
Horowitz, Jack, New York, N. Y. Textile fabric. 113,989; Mar. 28.
Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)
Hutcheson, Ray R., assignor to The Everedy Company, Frederick, Md. Combined ashtray, cigarette support, and snubber. 113,967; Mar. 28.
Jocell, Esther, New York, N. Y. Dress. 114,041; Mar. 28.
Kaminsky, Rubin, New York, N. Y. Slipper. 113,968; Mar. 28.
Karmiel, Herman, Holyoke, Mass. Slipper. 113,969; Mar. 28.
Karmiel, Herman, Holyoke, Mass. Slipper. 113,970; Mar. 28.
Karplus, Ruth, Jackson Heights, assignor to Mavest Inc., New York, N. Y. Jacket. 114,019; Mar. 28.
Karplus, Ruth, Jackson Heights, assignor to Mavest Inc., New York, N. Y. Jacket. 114,020; Mar. 28.
Karplus, Ruth, Jackson Heights, assignor to Mavest Inc., New York, N. Y. Jacket. 114,021; Mar. 28.
Kay, Ralph, New York, N. Y. Combination slide fastener and mesh cover therefor. 114,022; Mar. 28.
Kay, Ralph, New York, N. Y. Combination slide fastener and mesh cover therefor. 114,023; Mar. 28.
Kirk, Edward B., assignor to D. B. Shapiro, New York, N. Y. Lighting fixture. 113,971; Mar. 28.
Kraft, Max E., Cleveland, Ohio, assignor to Cuyahoga Furniture and Lamp Company. Adjustable lamp. 114,024; Mar. 28.

Krick, Leonard B., assignor to Seminole Flavor Company, Chattanooga, Tenn. Bottle. 114,025; Mar. 28.
Lacy, Herman E., Chicago, Ill. Electrically operated bean heater. 113,990; Mar. 28.
La Forge, Grace, Stapleton, N. Y. Toy or similar article. 113,991; Mar. 28.
Latchford, William J., Jr., assignor to Nesbitt Fruit Products, Inc., Los Angeles, Calif. Bottle. 114,026; Mar. 28.
Lawson, Harriette A., Signal Mountain, Tenn. Bedspread. 113,992; Mar. 28.
Lawson, William C., Evanston, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard table. 113,972; Mar. 28.
Leff, Jacques H., New York, N. Y. Pin-clip. 114,027; Mar. 28.
Leff, Jacques H., New York, N. Y. Pin-clip. 114,028; Mar. 28.
Levin, David, New York, N. Y. Shoe. 113,973; Mar. 28.
Lovelace, William R. (See Boothby, W. M., Bilbulman, and Lovelace.)
Manning, Daniel T., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Brace top link. 113,974; Mar. 28.
Massow, Morris, New York, N. Y. Dress. 114,042; Mar. 28.
Mavest Inc. (See Karplus, Ruth, assignor.)
Meisel, Samuel, New York, N. Y. Medallion or the like. 113,975; Mar. 28.
Merillat, Harold E., Ottawa Hills, assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Automobile. 114,029; Mar. 28.
Meyers, Maley. (See Hassen, A., and Meyers.)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Door for a domestic water heater or the like. 113,993; Mar. 28.
Nash, Daniel J., New York, N. Y. Change purse. 114,030; Mar. 28.
Nesbitt Fruit Products, Inc. (See Latchford, William J., Jr., assignor.)
O'Neill, John D., and A. H. Sullivan, St. Louis, Mo., assignors of one-third to G. A. Halfin, St. Louis, Mo., and two-thirds to said Sullivan. Yarn reel. 114,031; Mar. 28.
Picut, Frederick C., Newark, N. J. Beverage dispensing faucet. 113,994; Mar. 28.
Planco, Murray, New York, N. Y. Shoe or similar article. 113,976; Mar. 28.
Price, David W., New York, N. Y. Dress. 114,032; Mar. 28.
Rosenberg, George, New Rochelle, N. Y. Compact. 113,995; Mar. 28.
Rosenberg, George, New Rochelle, N. Y. Lady's handbag frame. 114,033; Mar. 28.
Rosenberg, George, New Rochelle, N. Y. Compact. 113,996; Mar. 28.
Ross, Walter, New York, N. Y. Textile fabric. 114,043; Mar. 28.
Rowe Manufacturing Co. (See Blazey, Lawrence, assignor.)
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Soap dish or similar article. 113,997; Mar. 28.
Schwartz, Anna H., New York, N. Y. Dress ensemble. 114,044; Mar. 28.
Schwartz, David, New York, N. Y. Dress. 114,045; Mar. 28.
Seminole Flavor Company. (See Krick, Leonard B., assignor.)
Shannon, David B., Allendale, N. J., assignor to Eagle Pencil Company, New York, N. Y. Combined eraser and pencil tip. 113,977; Mar. 28.
Shapiro, David. (See Kirk, Edward B., assignor.)
Shapiro, Jules C., Pelham Manor, N. Y. Textile fabric. 114,046; Mar. 28.
Simpson, Wesley, New York, N. Y. Textile fabric. 114,047; Mar. 28.
Stamm, Alfred H., and H. S. Barton, Peoria, Ill. Building block. 113,978; Mar. 28.
Steele, Jesse O., Lund, Utah. Combination stove and lamp. 113,998; Mar. 28.
Steiner, Louis, New York, N. Y. Vending machine casing or the like. 113,999; Mar. 28.
Steiner, Louis, New York, N. Y. Vending machine casing or the like. 114,000; Mar. 28.
Sullivan, Alexander H. (See O'Neill, J. D., and Sullivan.)
Tobler, Hans, Teaneck, N. J. Embroidered textile fabric. 114,001; Mar. 28.
Tobler, Hans, Teaneck, N. J. Embroidered textile fabric. 114,002; Mar. 28.
Tobler, Hans, Teaneck, N. J. Embroidered textile fabric. 114,003; Mar. 28.
Toussaint, Jeanne, assignor to Cartier, Societe Anonyme, Paris, France. Clip or similar article. 113,979; Mar. 28.
Toussaint, Jeanne, assignor to Cartier, Societe Anonyme, Paris, France. Clip or similar article. 113,980; Mar. 28.
Toussaint, Jeanne, assignor to Cartier, Societe Anonyme, Paris, France. Clip or similar article. 113,981; Mar. 28.
Turner, Evelyn W., Hollywood, Calif. House dress. 114,048; Mar. 28.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 114,049; Mar. 28.
United States Rubber Company. (See Craver, Bates B., assignor.)
Vaisey, Harold C., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Garment clasp. 114,050; Mar. 28.
Washburn, Donald K., Huntington Park, Calif. Bottle carrier. 114,034; Mar. 28.
Watson, Hubert C., New York, N. Y. Overshoe. 114,035; Mar. 28.
Weill, Samuel, New York, N. Y. Ensemble dress. 114,036; Mar. 28.
Weill, Samuel, New York, N. Y. Ensemble dress. 114,037; Mar. 28.
Weiss, Jacob M., Brooklyn, N. Y. Combined sandglass timer and case. 113,982; Mar. 28.
Willys-Overland Motors, Inc. (See Merillat, Harold E., assignor.)
Winkel, Mabel, New York, N. Y. Leather. 114,051; Mar. 28.
Wishny, Milton, and F. C. Gray, Los Angeles, Calif. Combined house number illuminator and plate. 113,983; Mar. 28.
Zimmerman, Samuel, New York, N. Y. Coat. 114,052; Mar. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Volwiler, E. H., and Tabern, assignors.)
Acker, William L., Scranton, Pa. Core drill. 2,151,673; Mar. 28.
Acme Steel Company of Illinois. (See Cruse, Ralph E., assignor.)
Adam, Frank, Electric Company. (See Adam, F. B., and Stieglitz, assignors.)
Adam, Frederick B., St. Louis County, and H. M. Stieglitz, assignors to Frank Adam Electric Company, St. Louis, Mo. Solderless connector. 2,151,674; Mar. 28.
Adams, Basil A., and E. L. Holmes, Teddington, England. Method of and means for effecting anionic exchanges in solutions. 2,151,883; Mar. 28.
Adell, John A., Orange, Mass. Yarn measuring machine. 2,152,232; Mar. 28.
Adlake Company, The. (See Larson, Carl H., assignor.)
Aero-Bocker Knitting Mills, Inc. (See Rabbiner, Bertrand, assignor.)
Agfa Ansco Corporation. (See Birr, E. J., Fricke, and Wilmanns, assignors.)
Agfa Ansco Corporation. (See Zeh, Walter, assignor.)
Ahlman, Nikolai, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y. Treating pulverulent material. 2,152,167; Mar. 28.
Aikman, Burton S., Wilkinsburg, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,151,825; Mar. 28.
Alba Pharmaceutical Company. (See Hahl, H., Taub, and Leuchs, assignors.)
Albion, Charles M., Dorchester, Mass., assignor to Providence Braid Co., Pawtucket, R. I. Reinforced fabric strip and making. 2,152,012; Mar. 28.
Aldhizer, George S. (See Fawley, Granville B., assignor.)
Alframine Corporation. (See Mauersberger, Ernst A., assignor.)
Allen, Lawrence H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling device. 2,151,726; Mar. 28.
Aluminum Company of America. (See Andersen, Eli F., assignor.)
American Bosch Corporation. (See Crocker, William D., assignor.)
American Box Board Company. (See Bonfield, Emmons W., assignor.)
American Chain & Cable Company. (See Conner, Edward A., assignor.)
American Cyanamid & Chemical Corporation. (See Lurie, David, assignor.)
American Machine & Foundry Company. (See Horgan, George D., assignor.)
American Magnesium Metals Corporation. (See Lasch, L., and Schichtel, assignors.)
American Metal Company, The. (See Heberlein, Max F. W., assignor.)
American Radiator Company. (See Woolley, Clarence M., assignor.)
American Smelting and Refining Company. (See Busche, Adolphe, assignor.)
American Steel and Wire Company of New Jersey, The. (See Bannerman, G. H., Curran, and Trout, assignors.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
American Steel and Wire Company of New Jersey, The. (See Burke, John J., assignor.)
American Type Founders, Incorporated. (See Seybold, Frederick W., assignor.)
Ammann, George A., Riverhead, N. Y. Coin controlled postage marking machine. 2,151,672; Mar. 28.
Ancker, Enock, Albuquerque, N. Mex. Safety book match. 2,151,675; Mar. 28.
Andale Company. (See McNeal, Daniel R., assignor.)
Andersen, Eli F., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Container and closure. 2,141,826; Mar. 28.
Anderson, John H., St. Paul, Minn. Sled. 2,152,013; Mar. 28.
Anderson, Leonard H. and L. J., Bridgeport, Conn. Camp stove. 2,152,108; Mar. 28.
Anderson, Leonard J. (See Anderson, Leonard H. and L. J.)
Anderson, Raymond M. (See Church, Harold D., assignor.)
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning system utilizing refrigeration. 2,152,129; Mar. 28.
Anderson, Samuel M., and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Boston, Mass. Air conditioning system. 2,152,130; Mar. 28.
Anderson, Swan F., Rockford, Ill. Method of and apparatus for packaging materials. 2,152,339; Mar. 28.
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,151,827; Mar. 28.
Ansonia Coated Abrasives, Inc. (See Bryan, Chester W., assignor.)
Appel, Saul C., Medford, Mass. Sound absorbing unit. 2,152,169; Mar. 28.
Appleby, James P., Anoka, assignor to The Federal Cartridge Corporation, Minneapolis, Minn. Air pistol. 2,151,676; Mar. 28.
Appleton, Lewis W. (See Schnoll, N., and Appleton.)
Appleton Music Publication, Inc. (See Moore, E. C. (assignor), and Challoner.)
Aram, Eric H. G. (See Hardy, R. D., Machen, and Aram.)
Arcelon, John, Mount Vernon, N. Y. Switch. 2,152,450; Mar. 28.
Areiter, John, Lynbrook, N. Y. Preparing icing. 2,152,170; Mar. 28.
Arendt, Paul, Berlin-Zehlendorf, and W. M. Hahnemann, Berlin-Marienfelde, assignors, to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Combined space and wired radio receiver. 2,151,884; Mar. 28.
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Superheater boiler. 2,152,340; Mar. 28.
Armstrong Cork Company. (See Colby, Allan B., assignor.)
Arndt, George, New York, N. Y. Advertising novelty. 2,152,299; Mar. 28.
Arnold, Lloyd, Chicago, assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Container for liquids. 2,151,727; Mar. 28.
Aronson, Louis V., Newark, N. Y., assignor to Art Metal Works, Inc. Torch igniting apparatus. 2,152,451; Mar. 28.
Aronson, Louis V., Newark, N. Y., assignor to Art Metal Works, Inc. Pyrophoric flame producing mechanism. 2,152,452; Mar. 28.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Ashe, William T., and P. Baines, Chicago, Ill. Folding seat. 2,152,014; Mar. 28.
Ashmore, Leon H. (See Koos, Richard H., assignor.)
Associated Electric Laboratories, Inc. (See Grandstaff, Otho D., assignor.)
Associated Electric Laboratories, Inc. (See Logan, Thomas A., assignor.)
Associated Electric Laboratories, Inc. (See Miller, Merton R., assignor.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Athens, Pierre, Hollywood, Calif. Device for waving hair. 2,152,015; Mar. 28.
Atwood, Winfield A., Yeadon, and G. Rudolph, Manoa, Pa., assignors to General Electric Company. Operating mechanism. 2,152,453; Mar. 28.
August, George, & Company Limited, et al. (See Krasselt, Theodor, assignor.)
Autogiro Company of America. (See Campbell, Harris S., assignor.)
Autoxygen Inc. (See Kokatnur, Vaman R., assignor.)
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Governor. 2,152,171; Mar. 28.
Baash-Ross Tool Company. (See Brown, Ora A., assignor.)
Baash-Ross Tool Company. (See Yarbrough, Harold C., assignor.)
Babcock & Wilcox Company. (See Fletcher, J., and Schoessow, assignors.)
Baehr, Hans, Leuna, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Wet purification of gases, especially coal distillation gases. 2,152,454; Mar. 28.
Baesecke, Martin, and R. Bauer, assignors to Siemens und Halske Aktiengesellschaft, Berlin, Germany. Modulation. 2,152,016; Mar. 28.
Baier, Otto, Berlin-Reinickendorf, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric discharge vessel. 2,151,885; Mar. 28.
Baines, Percy. (See Ashe, W. T., and Baines.)
Bair, John T., et al. (See Berstler, Carl E., assignor.)
Bakelite Corporation. (See Kline, H., assignor.)
Baker, Carl F., Taft, Calif. Core catcher. 2,152,341; Mar. 28.
Baker, David B., Riverside, C. R. Rogers, Oak Park, and W. O. Bechman, Chicago, Ill., assignors to International Harvester Company. Radiator and engine support. 2,152,579; Mar. 28.

Baker, Ernest C., Seminole, Okla. Split line weight. 2,152,233; Mar. 28.
Baker, Harvie E., Tulsa, assignor of one-third to T. P. Ingle and one-third to C. E. Lander, Dawson, Okla. Rotary rug rack. 2,151,677; Mar. 28.
Baker, John G., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Measuring and recording device for deep well pumps. 2,151,728; Mar. 28.
Baker, Morgan W., Youngstown, Ohio. Leg elevator for operating chairs. 2,151,729; Mar. 28.
Baker Perkins Company, Inc. (See Engels, Eugene O., assignor.)
Ballard, Randall C., Marion, Ind., assignor to Radio Corporation of America. Television system. 2,152,234; Mar. 28.
Ballentine, George K., Ridgewood, N. J. Dishwashing machine. 2,152,455; Mar. 28.
Bannerman, Gordon H., Worcester, Mass., and J. M. Curran and G. H. Trout, Omaha, Nebr., assignors to The American Steel and Wire Company of New Jersey. Aerial ski tramway. 2,152,235; Mar. 28.
Banning, Thomas A., Jr., Chicago, Ill., assignor to Bendix Products Corporation, South Bend, Ind. Braking system. 2,152,017; Mar. 28.
Barber-Colman Company. (See Edgar, John, assignor.)
Barber-Colman Company. (See Sadtler, Chester B., assignor.)
Barnhart, Homer W., Perth Amboy, N. J. Plant support or trainer. 2,152,018; Mar. 28.
Barr, John L., Chevy Chase, Md. Parking device for automobiles. 2,151,828; Mar. 28.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Lifting device. 2,151,886; Mar. 28.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Vehicle loading device. 2,151,887; Mar. 28.
Barrie, Catherine, Cold Spring Harbor, N. Y. Tumbler basket for collective dishwashing. 2,152,456; Mar. 28.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Journal box seal. 2,152,580; Mar. 28.
Bartlett, Amos C., Braintree, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Fan system. 2,152,172; Mar. 28.
Barton, Loy E., Collingswood, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Valve amplifying circuit. 2,151,829; Mar. 28.
Basebe, Arthur C., Banstead, and H. Sinclair, Kensington, London, assignors to Hydraulic Coupling Patents Limited, London, England. Packing device for relatively rotatable parts. 2,151,730; Mar. 28.
Bass, Shailer L. (See Moyle, C. L., and Bass.)
Batcheider, Charles H., Hamden, Conn., dedicated to the free use of the Public. Insecticide. 2,152,236; Mar. 28.
Bates, Joseph D., West Springfield, Mass. Ice pack. 2,152,019; Mar. 28.
Bauer, John A., Lawrenceburg, Ind. Cooperage. 2,152,020; Mar. 28.
Bauer, Rudolf. (See Baesecke, M., and Bauer.)
Baule, Marie E. A. (See Ducamp, A. J., and Baule.)
Baumer, Harry L., Tulsa, Okla. Safety device for steering motor vehicles. 2,152,021; Mar. 28.
Beach, Ralph H., Plymouth, Mich. Electric iron. 2,151,888; Mar. 28.
Beard, Harry R. (See Hedreen, C. A., and Beard.)
Bechik, Michael, St. Paul, assignor to Salisbury & Satterlee Way Co., Minneapolis, Minn. Mattress and method of manufacture. 2,152,237; Mar. 28.
Bechman, William O. (See Baker, D. B., Rogers, and Bechman.)
Beckmann, Werner N., et al. (See Browning, James E., assignor.)
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,152,457; Mar. 28.
Behr-Manning Corporation. (See Meston, A. F., and Wintermute, assignors.)
Belar, Herbert, Philadelphia, Pa., assignor to Radio Corporation of America. Sound reproducing apparatus. 2,152,173; Mar. 28.
Bell Telephone Laboratories, Incorporated. (See Allen, Lawrence H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Broughton, William W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dring, Arthur W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fair, Irvin E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Halligan, Clair W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Prescott, Charles H., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
Begun, Semi, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electromagnetic recording arrangement. 2,151,889; Mar. 28.
Bendix Aviation Corporation. (See Moore, Earl E., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See Banning, Thomas A., Jr., assignor.)
Bendix Products Corporation. (See Boetto, Jean C., assignor.)
Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See Paine, Willard B., assignor.)
Bendix Products Corporation. (See Price, Earl R. and H. W.)
Bendix Products Corporation. (See Price, Harold W. and E. R.)
Bendix Products Corporation. (See Price, Harold W. and E. R., and Capra, assignors.)
Bendix Products Corporation. (See Sanford, Roy S., assignor.)
Bendix Products Corporation. (See Tatter, John W., assignor.)
Bendix Products Corporation. (See Whittington, Ralph S., assignor.)
Bendix Products Corporation. (See Winkler, Albert H., assignor.)
Bendix Radio Corporation. (See Hyland, Lawrence A., assignor.)
Benjamin Electric Limited. (See Graff-Baker, William S., assignor.)
Benson, Benjamin H., and B. E. Mendelsohn, Brookline, Mass. Pneumatic tire. 2,152,131; Mar. 28.
Benz, Erwin J., assignor to Hudson Motor Car Company, Detroit, Mich. Transmission control mechanism. 2,152,581; Mar. 28.
Berg, Alfred J., Portsmouth, N. H. Apparatus for and making reinforced tubing. 2,151,685; Mar. 28.
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Motor. 2,152,458; Mar. 28.
Berhenke, Cora E., et al. (See Maher, James M., assignor.)
Berkshire Upholstered Furniture Company. (See Munroe, Percy R., assignor.)
Berstler, Carl E., Reading, Pa., assignor of eighteen and seventy-five one-hundredths per cent to R. T. Scull, Wyomissing Hills, eighteen and seventy-five one hundredths per cent to A. W. Golden, Wyomissing, eighteen and seventy-five one-hundredths per cent to J. T. Bair, and eighteen and seventy-five one-hundredths per cent to G. S. Weinerth, Reading, Pa. Valve. 2,152,428; Mar. 28.
Bertrand, Andre. (See Bertrand, Jean, assignor.)
Bertrand, Jean, assignor to Andre Bertrand, Mont-Rolland, Quebec, Canada. Stirrup for skis. 2,152,527; Mar. 28.
Bewley, Loyal V. (See Blume, L. F., and Bewley.)
Bezzenberger, Frederick K., Cleveland Heights, Ohio, assignor to A. Kietz, Bellevue, Wash., and P. D. Spaeth, Cincinnati, Ohio. Permanent waving mechanism. 2,152,342; Mar. 28.
Biasco, George A., New York, N. Y. Vent pipe for storage tanks. 2,152,459; Mar. 28.
Bigelow-Sanford Carpet Co. Inc. (See Hardiman, Harold V., assignor.)
Biggert, Florence C., Jr., Crafton, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Mold. 2,152,528; Mar. 28.
Binks Manufacturing Company. (See Gustafsson, E., and Striegel, assignors.)
Bird & Son, Inc. (See Studley, Gerard L., assignor.)
Birkhead, Claude V., et al. (See Browning, James E., assignor.)
Birkhead, Beckmann, Stanard & Vance. (See Browning, James E., assignor.)
Birmingham Aluminum Casting (1903) Company Limited, The. (See Woollard, Frank G., assignor.)
Birmingham Electric Furnaces Limited. (See Robiette, Alfred G. E., assignors.)
Birr, Emil J., Bitterfeld, and H. Fricke and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of photographic gelatin emulsions. 2,152,460; Mar. 28.
Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Production of an alkali metal salt of a mono-alkyl trithiocarbonate. 2,152,461; Mar. 28.
Black & Decker Manufacturing Company, The. (See Whitney, K. E., and Decker, assignors.)
Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Chain. 2,151,731; Mar. 28.
Blair, Russell M. (See Jarvis, K. W., and Blair.)
Blankenbuehler, John H., Edgewood, and W. R. Harding, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Direct current welding generator. 2,151,678; Mar. 28.
Blodgett, Raymond L. (See Walter, C. L., and Blodgett.)
Blume, Louis F., and L. V. Bewley, Pittsfield, Mass., assignors to General Electric Company. Electric circuit. 2,152,462; Mar. 28.
Blume, Louis F., and L. V. Bewley, Pittsfield, Mass., assignors to General Electric Company. Electric circuit. 2,152,463; Mar. 28.

Blumer, Louis, Miami, Fla. Vacuum apparatus. 2,151,679; Mar. 28.
Bobst, Henri, Lausanne, Switzerland. Press for cutting cardboard. 2,151,890; Mar. 28.
Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Acetoacetyl amides and their preparation. 2,152,132; Mar. 28.
Boetto, Jean C., Croissy, France, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,022; Mar. 28.
Bonfield, Emmons W., assignor to American Box Board Company, Grand Rapids, Mich. Container. 2,151,733; Mar. 28.
Bossard, Gisbert L., Dayton, Ohio. Chime. 2,152,300; Mar. 28.
Botti, Michael, Brooklyn, N. Y. Roast rack. 2,152,023; Mar. 28.
Bouton, Edgar M., H. W. Williams, and D. Santini, assignors to Westinghouse Electric Elevator Company, Jersey City, N. J. System of control for electric elevators. 2,151,734; Mar. 28.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,152,345; Mar. 28.
Bowyer-Lowe, Albert E., Letchworth, assignor to Self Changing Gramophones Limited, London, England. Automatic gramophone and the like. 2,151,891; Mar. 28.
Boyle, Thomas V., Cleveland, Ohio. Hinge. 2,151,732; Mar. 28.
Brace, Porter H. (See Marbury, R. E., and Brace.)
Braden Copper Company. (See Dorris, Milburn L., assignor.)
Brady, John B. (See Riggs, Alger S., assignor.)
Bragg-Kliesrath Corporation. (See Kliesrath, Victor W., assignor.)
Brauer, Walter, Oklahoma City, Okla. Brake. 2,151,892; Mar. 28.
Brauer, Walter, Oklahoma City, Okla. Brake. 2,151,893; Mar. 28.
Breese, James L., assignor to Oil Devices, Santa Fe, N. Mex. Draft regulator. 2,152,301; Mar. 28.
Bresser, Heinrich, assignor to M. Bresser, Cologne-Mulheim, Germany. Colored picture projector. 2,151,735; Mar. 28.
Bresser, Maria. (See Bresser, Heinrich, assignor.)
Brett, George F. (See Rust, N. M., and Brett, assignors.)
Brickman, Alan E., Donora, Pa., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Harness cord for looms. 2,152,397; Mar. 28.
Bridgeport Thermostat Company. (See Rapuano, Anthony D., assignor.)
Bridges, Charles P., Dedham, Mass. Material treating apparatus. 2,152,238; Mar. 28.
Briefer, Caesar J., New York, N. Y. Electric lamp and making the same. 2,151,686; Mar. 28.
Briggs Manufacturing Company. (See Klotsch, Paul, assignor.)
Briggs, Merton B., assignor to I. A. Simon, Pittsburgh, Pa. Steering stabilizer. 2,151,851; Mar. 28.
Bristol Company, The. (See Koester, Herman, assignor.)
British American Oil Company, The. (See Rude, Robert L., assignor.)
British Coal Distillation Limited. (See Hardy, R. D., Machen, and Aram, assignors.)
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Tri-(4-tertiary-alkyl-1,2-Phenylene) phosphates. 2,151,680; Mar. 28.
Bronson, Adelbert E., Shaker Heights, and W. F. Goff, Akron, assignors to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem and constructing same. 2,152,373; Mar. 28.
Brooke, Harold L. (See Jandus, H. S., and Brooke.)
Brosset, Eloi, Montbellard, France. Seat. 2,152,024; Mar. 28.
Broughton, William W., New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric apparatus. 2,151,736; Mar. 28.
Brousseau, George E., Manchester, N. H. Safety device. 2,152,133; Mar. 28.
Brown Company. (See MacLean, Ethel W., assignor.)
Brown, Ora A., South Gate, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Perforator. 2,151,681; Mar. 28.
Brown, Virgil S., Prescott, Iowa. Clothes manipulating tool. 2,152,530; Mar. 28.
Brown, Westgarth S. F., Cranbrook, and A. J. Tennison, Croydon, England. Electric clock. 2,152,529; Mar. 28.
Brown, William H., Bedford, Ohio, assignor to A. Kietz, Bellevue, Wash., and P. D. Spaeth, Cincinnati, Ohio. Permanent waving apparatus. 2,152,343; Mar. 28.
Brown, William H., Bedford, Ohio, assignor to A. Kietz, Bellevue, Wash., and P. D. Spaeth, Cincinnati, Ohio. Permanent waving device. 2,152,344; Mar. 28.
Browne, Cecil O., West Acton, London, assignor to Electric and Musical Industries Limited, Hayes, England. Television and the like system. 2,152,464; Mar. 28.
Browning, James E., assignor of one-half to C. V. Birkhead and W. N. Beckmann, San Antonio, Tex., copartners, doing business as Birkhead, Beckmann, Stanard & Vance. Gas stove burner mechanism and igniting means. 2,152,531; Mar. 28.

Bruger, Charles W. (See Schmidt, A. C., and Bruger.)
Brühl, Margarete. (See Brühl, Paul.)
Brühl, Paul, deceased, by M. Brühl, neé Domnick, Berlin, Germany, sole heir. Radial antifriction bearing. 2,151,830; Mar. 28.
Brunetti, Joseph, Carlstadt, N. J. Card case. 2,152,174; Mar. 28.
Brunner, Adolf, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Internal combustion engine electric unit. 2,152,025; Mar. 28.
Bryan, Chester W., New York, assignor to Ansonia Coated Abrasives, Inc., Brooklyn, N. Y. Apparatus for the manufacture of abrasive coatings. 2,151,737; Mar. 28.
Buccicone, Dario, Gary, Ind. Shaft attachment. 2,151,831; Mar. 28.
Bucsi, Frank. (See Galgoczy, Michael A., Jr., assignor.)
Buckeye Steel Castings Company, The. (See Moeller, H. A., and Orr, assignors.)
Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., Conweil, and Jordan, assignors.)
Bugatti, Ettore, Molsheim, France. Cam motion transmitting device. 2,151,832; Mar. 28.
Bugatti, Ettore, Molsheim, France. Ball and socket joint. 2,151,833; Mar. 28.
Bugatti, Ettore, Molsheim, France. Distribution control mechanism. 2,151,834; Mar. 28.
Bugatti, Ettore, Molsheim, France. Reciprocating piston engine. 2,151,835; Mar. 28.
Bugatti, Ettore, Molsheim, France. Boat. 2,151,836; Mar. 28.
Buhr, Fred. (See Buhr, Harry H., assignor.)
Buhr, Harry H., assignor of one-half to F. Buhr, Sumner, Iowa. Cultivator disk gang operator. 2,152,134; Mar. 28.
Buhr, Joseph F., assignor to Buhr Machine Tool Company, Ann Arbor, Mich. Lock for tool holders. 2,152,302; Mar. 28.
Buhr Machine Tool Company. (See Buhr, Joseph F., assignor.)
Buhse, Walter W., Minneapolis, Minn. Oral treatment device. 2,151,738; Mar. 28.
Bundy Tubing Company. (See Quarnstrom, Bert L., assignor.)
Bunnerlight, Fred, Tampa, Fla. Disappearing target. 2,152,026; Mar. 28.
Burger Brewing Company. (See Carter, Herbert A., assignor.)
Burke, John J., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. End fastening for wire rope. 2,151,837; Mar. 28.
Burke, Richard L., et al. (See Ramsey, J. A., and O'Neal, assignors.)
Burkey, Carl E., Seattle, Wash. Fountain striping device. 2,151,682; Mar. 28.
Burnard, Elwood W., Rochester, N. Y. Bat for games such as table tennis. 2,152,239; Mar. 28.
Burr, Leland M., Jr., Lincoln, assignor to Cutter Manufacturing Company, Cambridge, Mass. Frame for fire screens, etc. 2,152,374; Mar. 28.
Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,740; Mar. 28.
Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,739; Mar. 28.
Bursack, Milton A. (See Henning, W., Bursack, and Loeb.)
Busche, Adolphe, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Method and apparatus for casting copper anodes. 2,151,683; Mar. 28.
Büttner, Artur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Single-revolution cylinder printing press. 2,151,838; Mar. 28.
Cairns, John E. I. (See Lubszynski, H. G., Miller, and Cairns.)
Calcium Carbonate Company. (See McHan, Brack H., assignor.)
California Machinery & Supply Co. Ltd. (See Vanderpoel, A. G. H., and Ostling, assignors.)
Cambéssédès, Jean E. F., Paris, France. Apparatus for sorting household rubbish. 2,151,894; Mar. 28.
Campbell, Harris S., Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotative winged aircraft. 2,151,687; Mar. 28.
Cantoni, Humbert, Paris, France, assignor to U S L Battery Corporation, Niagara Falls, N. Y. Storage battery venting means. 2,152,240; Mar. 28.
Capra, Otto. (See Price, Harold W. and E. R., and Capra.)
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Carey, John F., Oklahoma City, Okla. Convertible power machine unit. 2,151,688; Mar. 28.
Carlisle, Paul J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bleaching with organic bleaching agent. 2,152,532; Mar. 28.
Carll, Harry, Tacoma, Wash. Suction cleaner for bag printing machines. 2,152,027; Mar. 28.
Carlson, Carl W., Springdale, Conn. Utility pail attachment. 2,151,895; Mar. 28.

Carlson, Richard. (See Thibebault, G. A., Visotski, Carlson, and Sweet.)
Carmody, William H., Pittsburgh, Pa., assignor to The Neville Company. Hydrogenation of resins. 2,152,533; Mar. 28.
Carpenter, Miles H., York, Pa. Coupling device. 2,152,175; Mar. 28.
Carter, Herbert A., Norwood, assignor to The Burger Brewing Company, Cincinnati, Ohio. Bottle case structure. 2,151,896; Mar. 28.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,151,741; Mar. 28.
Carvalho, Leslie R. N., and C. F. Schmidt, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Method and apparatus for applying closures to receptacles. 2,152,534; Mar. 28.
Case, Charles Z., and C. J. Hughey, assignors to Eastman Kodak Company, Rochester, N. Y. Combined letter sheet and envelope. 2,152,135; Mar. 28.
Casella, Secondo L., Brooklyn, N. Y. Mustard container. 2,151,684; Mar. 28.
Cass, Freeman, assignor to Mitchell Bissell Company, Trenton, N. J. Thread guide. 2,152,136; Mar. 28.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Bathtub fixture. 2,152,429; Mar. 28.
Cazes, Paul G., assignor to Pathé Cinéma Anciens Etablissements Pathé Freres, Paris, France. Cinematographic projection apparatus. 2,151,742; Mar. 28.
Celanese Corporation of America. (See Ellis, G. H., and Wesson, assignors.)
Celanese Corporation of America. (See Pool, William, assignor.)
Celanese Corporation of America. (See Taylor, W. I., and Woodruff, assignors.)
Central National Bank and Trust Company of Peoria, et al. (See Hartley, Aruthur J.)
Century Lighting, Inc. (See Levy, Joseph, assignor.)
Challoner, Willis R. (See Moore, E. C., and Challoner.)
Chalmers, John W., Deptford, London, assignor to Molins Machine Company Limited, London, England. Container and package. 2,152,398; Mar. 28.
Chaplin, Hershel W., assignor of forty percent to R. E. Davis and sixty percent to S. A. Phillips, Morgantown, W. Va. Electrical connector. 2,151,897; Mar. 28.
Chase Brass & Copper Co. Incorporated. (See Shoemaker, Richard W., assignor.)
Chemical Works formerly Sandoz. (See Finkelsztejn, Marja, assignor.)
Chemipulp Process Inc. (See Merrill, Albert D., assignor.)
Chevigny, Georges P. (See Rabuteau, G., and Chevigny.)
Chladek, Wilhelm, Berlin-Pankow, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic cutting machine. 2,151,743; Mar. 28.
Church, Harold D., Cleveland Heights, Ohio, assignor of one-half to R. M. Anderson, Detroit, Mich. Fuel economizer. 2,152,028; Mar. 28.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Window strip installation and fastener for the same. 2,152,582; Mar. 28.
Clamp Nail Company. (See Putnam, Mabel C., assignor.)
Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,151,744; Mar. 28.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electric capacitor. 2,152,465; Mar. 28.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Knurler unit for cigar machines. 2,151,898; Mar. 28.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,151,954; Mar. 28.
Cleaners Hanger Company. (See Simmons, H. M., and Ruen, assignors.)
Clein, Elias. (See Mirel, Louis I., assignor.)
Clemson Bros., Inc. (See Clemson, Richard D., assignor.)
Clemson, Richard D., assignor to Clemson Bros., Inc. Middletown, N. Y. Mower. 2,152,278; Mar. 28.
Cleveland Automatic Machine Company, The. (See Gross, W. E., and Jelinek, assignors.)
Cleveland Graphite Bronze Company, The. (See Swartz, Carl E., assignor.)
Clipshave Inc. (See Hanley, John A., assignor.)
Clyne, James B., assignor to L. B. Grannis, Chicago, Ill. Vaporizer. 2,152,466; Mar. 28.
Coates, Fielding C., assignor to Mole-Richardson Co., Los Angeles, Calif. Arc lamp and control circuit therefor. 2,151,745; Mar. 28.
Cody, Clifford S., East Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compressor valve structure. 2,151,746; Mar. 28.
Colby, Allan B., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Bottle closure sealing band. 2,151,689; Mar. 28.
Colby, Allan B., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Bottle closure sealing band. 2,151,690; Mar. 28.
Cold Metal Process Company, The. (See Lamb, Howard S., assignor.)
Collier, Frank M., and L. J. Lumpkin, Jr., Rock Hill, S. C. Cloth-folding machine. 2,152,399; Mar. 28.
Collins, Francis G., Quincy, Mass. Alarm system. 2,152,535; Mar. 28.
Combes, Maurice, Paris, France. Production of colored picture films. 2,151,899; Mar. 28.
Combustion Engineering Company. (See Smith, Alfred R., assignor.)
Commercial Solvents Corporation. (See Perry, Lester E., assignor.)
Compagnie Generale de Telegraphie. (See Rocard, Yves, assignor.)
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Cone, Robert W., Deal, N. J. Airplane wing construction. 2,152,029; Mar. 28.
Conill, Fernan O., New York, N. Y. Hair waving machine. 2,152,583; Mar. 28.
Conner, Edward A., Stratford, Conn., assignor to American Chain & Cable Company, Inc. Cross-chain for tire chain assemblies. 2,151,900; Mar. 28.
Conrad, Frank, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Receiving system. 2,151,747; Mar. 28.
Constantine, Arthur R. (See Kenney, M. W., and Constantine.)
Crabtree, George W., Cleveland Heights, Ohio. Spring cover. 2,152,030; Mar. 28.
Crammond, Earle D. (See Gemeny, Blaine B., assignor.)
Cranshaw, Harold B., West Newton, assignor to Cutler Manufacturing Company, Cambridge, Mass. Frame for fire screens, etc. 2,152,584; Mar. 28.
Crawley, Blick. (See Griffith, R. H., and Crawley.)
Crittenden, Butler P., Riverside, Conn., assignor, by mesne assignments, to Louisiana Oil Refining Corporation, Shreveport, La. Treating hydrocarbon oils. 2,151,691; Mar. 28.
Crocker, William D., assignor to American Bosch Corporation, Springfield, Mass. Stator structure for dynamo-electric machines. 2,151,955; Mar. 28.
Crosby, Stephen A., New York, N. Y. Cooling device. 2,152,467; Mar. 28.
Crosley Corporation, The. (See Teague, Walter D., Jr., assignor.)
Crown Can Company. (See Mills, John, assignor.)
Crown Cork & Seal Company. (See Cooke, Giles B., assignor.)
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Chuck clip. 2,152,375; Mar. 28.
Cruse, Ralph E., Oakland, Calif., assignor, by mesne assignments, to Acme Steel Company of Illinois, Chicago, Ill. Box strapping machine. 2,151,956; Mar. 28.
Cuneo Eastern Press, Inc., The. (See Faeber, Harry W., assignor.)
Cunningham, James D., assignor to Republic Flow Meters Company, Chicago, Ill. Recording instrument. 2,152,303; Mar. 28.
Curran, James M. (See Bannerman, G. H., Curran, and Trout.)
Currier, Neil B., Huntington Park, Calif. Roll paper cutter. 2,152,031; Mar. 28.
Curtin, Leo P., Cranbury, N. J. Recovery of lead values. 2,152,242; Mar. 28.
Cutler-Hammer, Inc. (See Stansbury, Carroll, assignor.)
Cutter Manufacturing Company. (See Burr, Leland M., Jr., assignor.)
Cutler Manufacturing Company. (See Cranshaw, Harold B., assignor.)
Cyclone Fence Company. (See Harter, Noah S., assignor.)
Dalger, George P., assignor to The Hoover Company, North Canton, Ohio. Fluid circulation in absorption refrigerators. 2,152,243; Mar. 28.
Daimler-Benz Aktiengeselischaft. (See Nallinger, Fritz, assignor.)
Dalton, Robert F., Mansfield, Ohio. Closed car ventilation. 2,152,538; Mar. 28.
Daly, Anna R., et al. (See Maher, James M., assignor.)
Damrow, Edward C., Fond du Lac, Wis. Conveyer for cans and can covers. 2,152,244; Mar. 28.
Darby, J. F. (See Porter, Albert N., assignor.)
Da Rold, Duilio, Milan, Italy, assignor to H. H. Heer, Zurich, Switzerland. Container. 2,152,400; Mar. 28.
Davies, Archibald D., Pittsburgh, Pa. Cinder pot. 2,152,245; Mar. 28.
Davies, Charles H., Philadelphia, Pa. Artificial limb. 2,152,401; Mar. 28.
Continental Can Company. (See Morrison, Charles C., assignor.)
Continental Can Company. (See Nyden, Robert, assignor.)
Controlair Manufacturing Co. (See Wheeler, Charles S., assignor.)
Conwell, Charles B. (See Ragsdale, E. J. W., Conwell, and Jordan.)
Cooke, Giles B., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Producing rubber hydrochloride. 2,151,839; Mar. 28.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigeration. 2,152,241; Mar. 28.
Cooper, Hugh S., Shaker Heights, assignor to Cooper Products, Inc., Cleveland, Ohio. Liquid coating composition. 2,152,536; Mar. 28.
Cooper Products, Inc. (See Cooper, Hugh S., assignor.)

Courtaulds, Limited. (See Morton, Eric A., assignor.)
Couty, Norman M., assignor to The Flex-O-Tube Company, Detroit, Mich. Detachable fitting. 2,152,537; Mar. 28.
Davies, Charles H., Philadelphia, Pa. Ankle joint structure for artificial limbs. 2,152,402; Mar. 28.
Davis, Richard E., et al. (See Chaplin, Hershel W., assignor.)
Davis, Robert A., Chicago, Ill., assignor to The Smyth Manufacturing Company, Hartford, Conn. Creasing the joints of books. 2,151,957; Mar. 28.
Daw, Reginald F. (See Hardeman, W. E., and Daw.)
Dawson, George H., assignor to Wilson-Jones Company, Chicago, Ill. Index. 2,152,304; Mar. 28.
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding control system with polarizing relay. 2,151,749; Mar. 28.
Dayton Type, Incorporated. (See Poeppelmeier, Frank H., assignor.)
Dean, Roy H., assignor to General Motors Corporation, Detroit, Mich. Cowl ventilator. 2,151,748; Mar. 28.
Decker, Alonzo G. (See Whitney, K. E., and Decker.)
De Jur-Amsco Corporation. (See Molzen, Charles F., assignor.)
De la Cuesta, Francisco, Habana, Cuba. Tank. 2,152,246; Mar. 28.
Delchef, Georges, Brussels, Belgium. Apparatus for transmitting recording graphics. 2,151,750; Mar. 28.
Dennis, W. J., & Company. (See Kreuscher, George A., assignor.)
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp holder for refrigerators or the like. 2,152,468; Mar. 28.
Devaux, Lucien, and R. A. Higonnet, Paris, France, assignors to International Standard Electric Corporation. Apparatus for the measurement of radiating energy such as exposure meters. 2,151,901; Mar. 28.
Dichter, Jakob, Berlin-Schoneberg, Germany. Method and apparatus for producing glass vessels. 2,151,840; Mar. 28.
Dickenson, Ernest H., New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fog eliminating apparatus for rock drills. 2,152,176; Mar. 28.
Dickson, Laurence M., San Francisco, Calif. Fish basket. 2,152,346; Mar. 28.
Dictaphone Corporation. (See Feyrer, William F., assignor.)
Dictaphone Corporation. (See Norton, L. D., and Frykman, assignors.)
Diebold, Adolf. (See Hopff, H., Eichel, and Diebold.)
Dill Manufacturing Company, The. (See Bronson, A. E., and Goff, assignors.)
Dill Manufacturing Company, The. (See Crowley, John C., assignor.)
Dodge, Adiel Y., South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,152,305; Mar. 28.
Dole Valve Company, The. (See Morrison, Willard L., assignor.)
Domizi, Dario, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Galvanic cell and cover therefor. 2,151,902; Mar. 28.
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Balancing system. 2,152,033; Mar. 28.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Dorris, Milburn L., Collinsville, Ill., assignor to Braden Copper Company. Casting copper cakes. 2,151,841; Mar. 28.
Dostal, Joseph L., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,152,403; Mar. 28.
Dostal, Joseph L., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,152,404; Mar. 28.
Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electric lamp and socket construction. 2,151,903; Mar. 28.
Dow Chemical Company, The. (See Britton, E. C., and Moyle, assignors.)
Dow Chemical Company, The. (See Grebe, John J., assignor.)
Dow Chemical Company, The. (See Grebe, J. J., and Stoesser, assignors.)
Dow Chemical Company, The. (See Moyle, C. L., and Bass, assignors.)
Dowty, George H., Cheltenham, England. Retractable undercarriage for aircraft. 2,152,539; Mar. 28.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,152,540; Mar. 28.
Dreischerf, Henry C., Chicago, Ill. System for supplying electricity to motor vehicles. 2,152,405; Mar. 28.
Dring, Arthur W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Housing. 2,151,751; Mar. 28.
Ducamp, Albert J., and M. E. A. Baule, Chaville, France. Pickling metals. 2,152,406; Mar. 28.
Dunlop Tire and Rubber Corporation. (See Hardeman, W. E., and Daw, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carlisle, Paul J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)
Eades, Harry H., Pittsburgh, Pa. Clip for paper-back laths. 2,151,904; Mar. 28.
Eagle Pencil Company. (See McNulty, Joseph, assignor.)
Easthope, Ernest W., Everett, Wash. Hydroplane hull. 2,151,958; Mar. 28.
Eastman Kodak Company. (See Case, C. Z., and Hughey, assignors.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Nelson, John B., assignor.)
Eaton Manufacturing Company. (See Dostal, Joseph L., assignor.)
Edgar, John, assignor to Barber-Colman Company, Rockford, Ill. Hobbing machine. 2,152,469; Mar. 28.
Edison, John S., assignor to Wm. P. Neil Company, Ltd., Los Angeles, Calif. Roof truss. 2,151,959; Mar. 28.
Eichel, Helmut. (See Hopff, H., Eichel, and Diebold.)
Elmco Corporation. (See Stevens, John W., assignor.)
Eisenbeis, William J., and C. O. Williamson, Pittsburgh, Pa. Sound-wave generator. 2,152,177; Mar. 28.
Electric and Musical Industries Limited. (See Browne, Cecil O., assignor.)
Electric & Musical Industries Limited. (See Le Marchant, Percy A., assignor.)
Electric and Musical Industries, Ltd. (See Lubszynski, H. G., Miller, and Cairns, assignors.)
Electric & Musical Industries Limited. (See Percival, William S., assignor.)
Elliott Addressing Machine Company, The. (See Elliott, Harmon P., assignor.)
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Label printer. 2,152,178; Mar. 28.
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Addressing machine. 2,152,179; Mar. 28.
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Automatic stencil moistener. 2,152,180; Mar. 28.
Elliott, Theodore, Winchester, Mass. Toe iron. 2,152,181; Mar. 28.
Ellis, G. Arvilla, administratrix. (See Ellis, Stuart G.)
Ellis, George H., and A. J. Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of textile materials. 2,152,182; Mar. 28.
Ellis, Stuart G., deceased, by G. A. Ellis, administratrix, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compensator. 2,151,752; Mar. 28.
Emmert, Kenneth L., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact combination. 2,151,905; Mar. 28.
Endacott, Paul S., Bartlesville, Okla., assignor to Phillips Petroleum Company. Load lifting and weighing device. 2,152,247; Mar. 28.
Endicott, George F., St. Paul, Minn., assignor to W. H. Miner, Inc., Chicago, Ill. Hand brake. 2,152,376; Mar. 28.
Engels, Eugene O., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Control system for fuel burners. 2,151,906; Mar. 28.
Erickson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Printing method and apparatus. 2,151,960; Mar. 28.
Ericksson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Clutching and driving mechanism. 2,151,961; Mar. 28.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Etzrodt, Karl, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit arrangement for protecting electric discharge apparatus systems. 2,151,753; Mar. 28.
Evans, Ralph L., New York, and E. G. McDonough, Mount Vernon, assignors to Zotos Corporation of New York, N. Y. Waving hair. 2,151,692; Mar. 28.
Faber, Ernst, Stuttgart, Germany. Vacuum cleaner. 2,151,842; Mar. 28.
Faeber, Harry W., assignor to The Cuneo Eastern Press, Inc., Philadelphia, Pa. Apparatus for stitching assemblies. 2,152,137; Mar. 28.
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fair, Irvin E., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation generator. 2,151,754; Mar. 28.
Falk Corporation, The. (See Schmitter, W. P., and Wiken, assignors.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction brake. 2,151,843; Mar. 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction brake. 2,151,844; Mar. 28.
Farrel-Birmingham Company. (See Schnuck, Carl F., assignor.)
Farrington, John F., Flushing, N. Y., assignor to Hazeltine Corporation. Wave signaling system. 2,152,470; Mar. 28.

Farris, Clayton, assignor to The Trucktor Corporation, Newark, N. J. Rocker arm construction. 2,151,755; Mar. 28.
Fawley, Granville B., Cootes Store, assignor of one-fourth to G. S. Aldhizer, Harrisonburg, Va. Road oiling machine. 2,152,407; Mar. 28.
Fedders Manufacturing Company. (See Lear, Joseph D., assignor.)
Federal Cartridge Corporation, The. (See Appleby, James P., assignor.)
Federal Enameling & Stamping Company. (See Wilcox, Albert C., assignor.)
Felicke, Karl, Indianapolis, Ind. Control mechanism for motor vehicles. 2,152,543; Mar. 28.
Fenton, Alvin L., Omaha, Nebr. Pencil sharpener. 2,152,545; Mar. 28.
Ferlay, Paul. (See Jonville, C., and Ferlay.)
Fernseh Aktiengesellschaft. (See Ruska, Ernst, assignor.)
Fernseh Aktiengesellschaft. (See Schwartz, Erich, assignor.)
Ferraro, Gilio, Hollister, Calif. Disk ridger. 2,152,347; Mar. 28.
Fettel, Martin G. (See Riemenschneider, E., and Fettel.)
Fetterolf, Layton R., Langhorne, Pa. Power hacksaw blade. 2,152,183; Mar. 28.
Feyrer, William F., Norwalk, Conn., assignor to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,152,585; Mar. 28.
Field, Marcus H., assignor of one-third to R. I. Lathem, Canton, Ga. Automatic brake adjuster. 2,152,544; Mar. 28.
Finch, William G. H., New York, N. Y. Telepicture recording system. 2,152,348; Mar. 28.
Fink, Lawrence R., assignor to Fink-Roselieve Co. Inc., New York, N. Y. Film processing device. 2,151,907; Mar. 28.
Finkelsztejn, Marja, Paris, France, assignor, by mesne assignments, to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Trihexosan-carboxylic acid salts and making same. 2,152,248; Mar. 28.
Fink-Roselieve Co. Inc. (See Fink, Lawrence R., assignor.)
Firth-Sterling Steel Company. (See Welch, Elmer B., assignor.)
Fischer, Erich. (See Winkeler, H., and Fischer.)
Fischer & Stiffert. (See Wiederkehr, Hans, assignor.)
Fisk, Albert S., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Electric starter for combustion engines. 2,151,962; Mar. 28.
Fitch, William H., Plainfield, N. J. Recuperator for melting furnaces. 2,152,546; Mar. 28.
Fladmark, Erling, Lawrence, Mass. Eliminating foam and froth from the surfaces of fluids and semifluids. 2,151,963; Mar. 28.
Fletcher, Arthur L., Pittsburgh, and B. I. Hayford, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal-clad switch gear. 2,151,756; Mar. 28.
Fletcher, James, Akron, and E. E. Schoessow, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Heat treating equipment. 2,152,138; Mar. 28.
Flex-O-Tube Company, The. (See Couty, Norman M., assignor.)
Flint, Thomas, Concord, Mass., assignor to J. W. Greer Company, Inc. Conveyer bunching device. 2,151,693; Mar. 28.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Tag fastening device. 2,152,349; Mar. 28.
Folsom, Elwood E., Trumbull, Conn., assignor to General Electric Company. Lamp socket. 2,152,471; Mar. 28.
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Forbes, Allan D. (See Hodnette, J. K., and Forbes.)
Fowler, Lawrence H., Elmhurst, Ill. Bait for animal traps. 2,152,034; Mar. 28.
Francis, Dean D., et al. (See McKone, Leo J., assignor.)
Freeman, Orville B., Ventura, Calif. Safety device for electrical apparatus. 2,152,586; Mar. 28.
Fricke, Hans. (See Birr, E. J., Fricke, and Wilmanns.)
Friedheim, Frank, Minneapolis, Minn. Depth gauge for rakes. 2,152,377; Mar. 28.
Fritz, Karl, and W. Runge, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Wave generation and modulation. 2,152,035; Mar. 28.
Froh, Arthur A., Watertown, Wis. Pipe cleaning machine. 2,152,036; Mar. 28.
Frykman, Victor L. (See Norton, L. D., and Frykman.)
Fulke, Frank L., assignor to Frank Prox Company, Terre Haute, Ind. Making mining machine chains and links therefor. 2,152,139; Mar. 28.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
Fuller, John E., Fairview, N. C. Internal combustion engine. 2,152,037; Mar. 28.
Fyler, George W., Stratford, Conn., assignor to General Electric Company. Protective equipment. 2,152,472; Mar. 28.
Galgoczy, Micheal A., Jr., assignor of one-fourth to F. Bucsi, Cleveland, Ohio. Window ventilator. 2,152,249; Mar. 28.
Galpin, George G., and C. F. Schmidt, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Apparatus for testing the strength of molded bottle caps. 2,152,541; Mar. 28.
Gandon, Arthur. (See Masip, J., Gandon, and Soler.)
Gard, Arthur W., Edgewood, Pa. Toy. 2,152,542; Mar. 28.
Gardner, Clarence V., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,152,350; Mar. 28.
Gardner-Denver Company. (See Pearson, Gustov C., assignor.)
Gardner Tool and Stamping Company. (See Greene, Henry F., Sr., assignor.)
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,151,694; Mar. 28.
Gas Light & Coke Company, The. (See Griffith, R. H., and Crawley, assignors.)
Gasoline Products Company. (See Nofsinger, Charles W., assignor.)
Gaugler, Richard S. (See Sittler, E. C., and Gaugler.)
Gay, Margaret, Jackson Heights, N. Y. Supporting hook for garment hangers. 2,151,964; Mar. 28.
Gay, Norman H., Los Angeles, Calif. Continuous cycle heating and cooling system. 2,152,250; Mar. 28.
Gay, Norman H., Los Angeles, Calif. Air conditioning apparatus. 2,152,251; Mar. 28.
Gelbaugh, William H., Tacoma, Wash. Piano bench music cabinet. 2,152,378; Mar. 28.
Gemeny, Blaine B., assignor of one-third to E. D. Crammond, Washington, D. C. Controlled variable pitch propeller. 2,152,587; Mar. 28.
General Aniline Works, Inc. (See Hopff, H., Eichel, and Diebold, assignors.)
General Aniline Works, Inc. (See Lesser, Rudolf, assignor.)
General Aniline Works, Inc. (See Manz, G., Zerweck, and Kunze, assignors.)
General Aniline Works, Inc. (See Winkeler, H., and Fischer, assignors.)
General Aniline Works, Inc. (See Wolff, P., and Werner, assignors.)
General Electric Compony. (See Atwood, W. A., and Rudolph, assignors.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Blume, L. F., and Bewley, assignors.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Folsom, Elwood E., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Hays, David, assignor.)
General Electric Company. (See Hill, Charles H., assignor.)
General Electric Company. (See Hoffmann, Bruno, assignor.)
General Electric Company. (See Knight, James L., assignor.)
General Electric Company. (See Leach, Edward A., assignor.)
General Electric Company. (See Macfarlane, George T., assignor.)
General Electric Company. (See Miles, Lawrence D., assignor.)
General Electric Company. (See Owens, Joseph W., assignor.)
General Electric Company. (See Petermichl, Franz, assignor.)
General Fire Extinguisher Company. (See Loepsinger, A. J., and Rose, assignors.)
General Industries Company, The. (See Lannerd, Paul U., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Dean, Roy H., assignor.)
General Motors Corporation. (See Kindl, Carl H., assignor.)
General Motors Corporation. (See Perrine, L. E., and Paulus, assignors.)
General Motors Corporation. (See Rasmussen, Olaf, assignor.)
General Motors Corporation. (See Sittler, E. C., and Gaugler, assignors.)
General Motors Corporation. (See Smith, Nelson J., assignor.)
General Motors Corporation. (See Stuart, J. K., Stacey, and Wylie, assignors.)
General Motors Corporation. (See Thorne, Maurice A., assignor.)
General Outdoor Advertising Company. (See Rosner, Max, assignor.)
Geophysical Research Corporation. (See Weatherby, Benjamin B., assignor.)
George, Ralph W. (See Trevor, B., and George.)

George, Roscoe H., and H. J. Heim, West Lafayette, Ind., assignors to Radio Corporation of America. Amplifier system. 2,151,757; Mar. 28.
Gerard, Frank W. (See Jennings, C. S., and Gerard.)
Gerth, Felix. (See Habann, E., and Gerth.)
Gettys, William M., Greeley, Colo. Belt drive. 2,152,038; Mar. 28.
Gier, John R., Jr., Penn Township, Allegheny County, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistance welding. 2,151,758; Mar. 28.
Giesen, Edward E., Chicago, Ill. Automatic change speed transmission. 2,152,039; Mar. 28.
Gilbert, Charles L., Spokane, Wash. Eraser cleaning machine. 2,152,140; Mar. 28.
Gisholt Machine Company. (See Senger, Werner I., assignor.)
Gleason, George A. (See Brickman, A. E., and Gleason.)
Goddard, Alvin C., Forest Hills, assignor to Toastolator Company, Inc., New York, N. Y. Toasting apparatus. 2,151,695; Mar. 28.
Godwin, Hiram F., Detroit, Mich., and F. C. Speke, Toledo, Ohio. Lawn mower. 2,152,252; Mar. 28.
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,040; Mar. 28.
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,041; Mar. 28.
Goff, William F. (See Bronson, A. E., and Goff.)
Golden, A. W., et al. (See Berstler, Carl E., assignor.)
Goldsmith, George H., Pawtucket, R. I. Melting, purification, and recovery of metals. 2,151,696; Mar. 28.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, Chauncey M., Windsor, Ontario, Canada. Overhead door. 2,151,845; Mar. 28.
Gostin, Belgrave F., and C. E. Neale, Cincinnati, Ohio, assignors to Radio Corporation of America, New York, N. Y. Potential supply means for radio apparatus. 2,152,184; Mar. 28.
Gottesmann, Edward, assignor, by mesne assignments, to Karl Werner Posnansky, Berlin-Charlottenburg, Germany. Sulphurizing organic compounds having unsaturated linkages of an aliphatic character. 2,152,185; Mar. 28.
Gottlieb, Max E., Cleveland Heights, Ohio. Chapel tent. 2,151,908; Mar. 28.
Gould, Jay H., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Polishing machine fixture. 2,151,909; Mar. 28.
Graenacher, Charles, Riehen, R. Sallmann, Binningen, and H. Johner, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Secondary disazo dyestuffs. 2,152,408; Mar. 28.
Graff-Baker, William S., Kensington, London, assignor to The Benjamin Electric Limited, London, England. Cable terminal. 2,151,807; Mar. 28.
Graham, Donald P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,152,186; Mar. 28.
Grandstaff, Otho D., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Power relay. 2,152,042; Mar. 28.
Grannis, L. Bruce. (See Clyne, James B., assignor.)
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Electric switch. 2,151,910; Mar. 28.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 2,152,187; Mar. 28.
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Preventing infiltration in wells. 2,152,307; Mar. 28.
Grebe, John J., assignor to The Dow Chemical Company, Midland, Mich. Preventing infiltration in wells. 2,152,308; Mar. 28.
Grebe, John J., and S. M. Stoesser, assignors to The Dow Chemical Company, Midland, Mich. Removing metal obstructions from wells. 2,152,306; Mar. 28.
Green, Solomon I. Spector, and J. Leese, Philadelphia, Pa. Expansion joint. 2,151,911; Mar. 28.
Greene, Henry F., Sr., East Templeton, Mass., assignor to Gardner Tool and Stamping Company. Hub cap. 2,152,253; Mar. 28.
Greer, J. W., Company. (See Flint, Thomas, assignor.)
Gregory, Alfred T., assignor to Ranger Engineering Corporation, Farmingdale, N. Y. Selective pressure cooling for engines. 2,152,043; Mar. 28.
Grenoker, Lillian L., New York, N. Y. Finger-fit implement. 2,151,846; Mar. 28.
Gretter, Aloys U., Chicago, Ill. Clothesline holder. 2,152,547; Mar. 28.
Greulich, Gerald G., Mount Lebanon, Pa. Metallic piling. 2,151,847; Mar. 28.
Griesemer, John C., Reading, Pa. Fluid dispensing device. 2,152,588; Mar. 28.
Griffith, Roland H., and B. Crawley, assignors to The Gas Light & Coke Company, London, England. Treatment of combustible gases. 2,152,473; Mar. 28.
Grimmer, John F., et al. (See Knapp, Joseph H., assignor.)
Gromes, Adolph, Hoboken, N. J. Fire screen. 2,152,474; Mar. 28.
Gross, Walter E., and A. F. Jelinek, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio. Automatic clutch shifter. 2,152,044; Mar. 28.
Grünert, Kurt, Bergen, Norway. Compressor, pump, and the like. 2,151,848; Mar. 28.
Gruskin, Benjamin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill. Pregnancy antigen. 2,151,697; Mar. 28.
Guiland, Frank M., Syracuse, N. Y. Body operated switch apparatus for timing X-ray exposures. 2,152,045; Mar. 28.
Gustafsson, Eric, and H. L. Striegel, assignors to Binks Manufacturing Company, Chicago, Ill. Air nozzle for flat spraying appliances. 2,152,046; Mar. 28.
Guthrie, James M., et al. (See Harpster, Howard, assignor.)
Haas, Paul, Maspeth, Long Island, N. Y., and W. T. Taber, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical apparatus. 2,152,589; Mar. 28.
Habann, Erich, Berlin-Hessenwinkel, and F. Gerth, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency generator. 2,151,912; Mar. 28.
Hahl, Hans, L. Taub, and F. Leuchs, Wuppertal-Elberfeld, Germany, assignors, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y. Preserving and disinfecting media. 2,152,047; Mar. 28.
Hahnemann, Walter M. (See Arendt, P., and Hahnemann.)
Haig, Lealdas W., assignor to The Standard Transformer Company, Warren, Ohio. Terminal mounting. 2,152,379; Mar. 28.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Strip fastener. 2,152,590; Mar. 28.
Hall, Edwin S., New Haven, Conn. Engine mechanism. 2,152,351; Mar. 28.
Hall, Frank L., Cincinnati, Ohio. Wheel machining apparatus. 2,152,380; Mar. 28.
Halligan, Clair W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,152,475; Mar. 28.
Hammond, John H., Jr. (See Purington, Ellison S., assignor.)
Handwerk, Otto T. (See Spitzglass, A. F., and Handwerk.)
Hanley, John A., Noroton, Conn., assignor to Clipshave Inc., Port Chester, N. Y. Hair clipper. 2,151,965; Mar. 28.
Hanneman, Walter M., Oak Park, assignor to Illinois Tool Works, Chicago, Ill. Screw and washer assembling machine and method. 2,152,591; Mar. 28.
Hansen, William M., Phoenix, Ariz. Apparatus for water culture of vegetation. 2,152,254; Mar. 28.
Hardeman, William E., Acocks Green, Birmingham, and R. F. Daw, Stechford, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tractor attachment for wheels. 2,152,476; Mar. 28.
Hardensett, Heinrich, Constance, Germany. External combustion engine. 2,151,759; Mar. 28.
Hardiman, Harold V., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Pile fabric loom. 2,152,592; Mar. 28.
Harding, William R. (See Blankenbuehler, J. H., and Harding.)
Hardy, Richard D., C. Machen, and E. H. G. Aram, Westminster, assignors to British Coal Distillation Limited, London, England. Distillation of solid carbonaceous materials and apparatus therefor. 2,151,849; Mar. 28.
Harper, Harry D., assignor to M. K. Harper, Minneapolis, Minn. Apparatus for making infusions. 2,151,966; Mar. 28.
Harper, Margaret K. (See Harper, Harry D., assignor.)
Harper, William, Jr., Port Washington, N. Y. Internal combustion engine. 2,151,698; Mar. 28.
Harpster, Howard, assignor of one-third to J. C. Keaney, Mount Lebanon, and one-third to J. M. Guthrie, Pittsburgh, Pa. Stroke perfecting device for golfers. 2,152,381; Mar. 28.
Harris, Benjamin R., Chicago, Ill. Treating egg material. 2,151,760; Mar. 28.
Hart-Carter Company. (See Hartley, Arthur J., assignor.)
Harter, Noah S., Waukegan, Ill., assignor to Cyclone Fence Company. Wire belt. 2,151,913; Mar. 28.
Hartford-Empire Company. (See Merrill, Donald G., assignor.)
Hartford-Empire Company. (See Wadman, Harold A., assignor.)
Hartley, Arthur J., deceased, The Central National Bank and Trust Company of Peoria and N. S. Hartley, executors, assignors to Hart-Carter Company, Peoria, Ill. Clutch mechanism. 2,152,310; Mar. 28.
Hartley, Neta S., et al. (See Hartley, Arthur J.)
Hartman, Glen E., assignor to Oklahoma Paper Company, Oklahoma City, Okla. Collapsible box. 2,151,761; Mar. 28.
Hassold, Victor C., Chestnut Hill, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Comb and reed for textile machines. 2,152,430; Mar. 28.

Hawkins, Fred, Gilmer, Tex. Power jack. 2,152,048; Mar. 28.
Hayford, Benjamin I. (See Fletcher, A. L., and Hayford.)
Hays, David, Fairfield, Conn., assignor to General Electric Company. Washing machine. 2,152,477; Mar. 28.
Hazeltine Corporation. (See Farrington, John F., assignor.)
Hazeltine Corporation. (See Johnson, John K., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heberlein, Max F. W., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Treating material containing copper and tin. 2,152,188; Mar. 28.
Hedreen, Carl A., Seattle, Wash., and H. R. Beard, Vancouver, British Columbia, Canada, assignors to New England Fish Company, Seattle, Wash. Flesh foods and the preservation thereof. 2,151,967; Mar. 28.
Hedrick, Carl D., Miami, Fla. Safety device for linemen. 2,152,049; Mar. 28.
Hedrick, Gale H., F. P. Myers, and R. E. Stark, assignors, by mesne assignments, to I. A. Simon, Pittsburgh, Pa. Hydraulic hand. 2,151,850; Mar. 28.
Heer, Heinrich H. (See Da Rold, Duillo, assignor.)
Hefti, Ernst, assignor to Gebruder Sulzer Aktiengesellschaft, Winterthur, Switzerland. Method and loom for weaving. 2,152,255; Mar. 28.
Helm, Howard J. (See George, R. H., and Helm.)
Heinecke, Erich. (See Kramar, E., and Heinecke.)
Heiner, John N., Bethesda, Md. Casing for turbines. 2,151,699; Mar. 28.
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Steel construction. 2,152,189; Mar. 28.
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Composite block. 2,152,190; Mar. 28.
Henderson, Charles L., Appleton, Wis., assignor, by mesne assignments, to Standard Process Corporation, Chicago, Ill. Fountain doctor. 2,151,968; Mar. 28.
Henderson, Charles L., Appleton, Wis., assignor to Standard Process Corporation, Chicago, Ill. Inking apparatus and method. 2,151,969; Mar. 28.
Henkel & Cie G. m. b. H. (See Lind, Otto, assignor.)
Henning, William, and M. A. Bursack, Fargo, N. Dak., and C. Loeb, Chicago, Ill. Optical instrument. 2,152,050; Mar. 28.
Hercules Powder Company. (See Bishop, William T., assighor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Hercules Powder Company. (See Ott, Emil, assignor.)
Hercules Powder Company. (See Troxler, Bernhart, assignor.)
Herrett, Wilbert A., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Preparation of di(arylamino) anthraquinones. 2,152,191; Mar. 28.
Hewitt, Daniel, Fort Worth, Tex. Animated signaling device. 2,152,051; Mar. 28.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Inertia device. 2,152,256; Mar. 28.
Hewitt, Ellis E., Edgewood, and D. L. McNeal, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,152,257; Mar. 28.
Higgins, Fred P. (See Parker, John R., assignor.)
Higonnet, Rene A. (See Devaux, L., and Higonnet.)
Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Electric switch gear. 2,152,478; Mar. 28.
Hirn, Charles M., Cincinnati, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Time delay combination lock. 2,152,258; Mar. 28.
Hitchcock, Richard C., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Contact rectifier. 2,151,762; Mar. 28.
Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
Hobart Manufacturing Company, The. (See Meeker, D. A., and Slager, assignors.)
Hobbs, Charles C., Alameda, Calif. Instrument for the solution of the astronomical triangle. 2,151,970; Mar. 28.
Hodnette, John K., and A. D. Forbes, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discharge-gap device. 2,151,763; Mar. 28.
Hodos, Steve J., San Francisco, Calif. Retarding escapes. 2,152,052; Mar. 28.
Hoeffelman, Johan M. (See van Peski, A. J., and Hoeffelman.)
Hoffman, Herbert E., Brooklyn, N. Y. Assembleable support for articles. 2,152,192; Mar. 28.
Hoffmann, Bruno, Berlin-Spandau, Germany, assignor to General Electric Company. Pressure combustion boiler. 2,152,479; Mar. 28.
Holler, Hermann, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for surface hardening the teeth of double helical gears. 2,151,971; Mar. 28.
Holler, Homer D., Export, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Purifying annealing gases. 2,151,764; Mar. 28.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Device for generating electrical oscillations. 2,151,765; Mar. 28.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,151,766; Mar. 28.
Holly-Pax, Inc. (See Webb, John L., assignor.)
Holman, Arthur J., East Orange, N. J. Sound pick-up unit. 2,151,700; Mar. 28.
Holmes, Eric L. (See Adams, B. A., and Holmes.)
Holophane Company. (See Rolph, Thomas W., assignor.)
Holt, William E., Livingston, N. J. Electric surfacing tool. 2,152,352; Mar. 28.
Holtz, Irenaeus B., Ashville, Pa. Two-speed differential. 2,152,409; Mar. 28.
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Daiger, George P., assignor.)
Hoover Company, The. (See Nelson, Rudolph S., assignor.)
Hoover Company, The. (See Pierce, Frank L., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopff, Heinrich, H. Eichel, and A. Diebold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthraquinone series. 2,152,480; Mar. 28.
Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding apparatus. 2,151,914; Mar. 28.
Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Welding apparatus. 2,151,915; Mar. 28.
Horgan, George D., London, England, assignor to American Machine & Foundry Company, New York, N. Y. Wrapping of cigarettes and other articles. 2,152,382; Mar. 28.
Houdaille-Hershey Corporation. (See Gould, Jay H., assignor.)
Houdaille-Hershey Corporation. (See Jandus, H. S., and Brooke, assignors.)
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,151,767; Mar. 28.
Howlett, John W., Lymington, England. Providing cast-iron articles with a cell-like surface. 2,151,972; Mar. 28.
Hudson, Edwin B., Middletown, Ohio. Electric switch. 2,151,701; Mar. 28.
Hudson Motor Car Company. (See Benz, Erwin J., assignor.)
Hughey, Carter J. (See Case, C. Z., and Hughey.)
Hulswit, Jan P., Noroton, Conn. Bomb. 2,151,916; Mar. 28.
Humeston, Frederick L., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Telescope mount for firearms. 2,151,768; Mar. 28.
Humoco Corporation. (See Moore, George A., assignor.)
Humphrey, Albert F., Somerville, Mass. Sand spreading apparatus. 2,152,259; Mar. 28.
Humphrey, Irwin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated terpene ether. 2,151,769; Mar. 28.
Huygen, Frédéric C., Schiedam, assignor to N. V. Machinefabriek "Breda" v/h. Backer & Rueb, Breda, Netherlands. Tube plate for multitubular boilers. 2,152,260; Mar. 28.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Gardner, Clarence V., assignor.)
Hydraulic Coupling Patents Limited. (See Basebe, A. C., and Sinclair, assignors.)
Hyland, Lawrence A., Washington, D. C., assignor, by mesne assignments, to Bendix Radio Corporation, New York, N. Y. Radio apparatus. 2,151,917; Mar. 28.
Hyman, Henry. (See Keller, Frederick A., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Holler, Hermann, assignor.)
Ilg, William J., Lakewood, Ohio. Container. 2,151,702; Mar. 28.
Illinois Tool Works. (See Hanneman, Walter M., assignor.)
Illinois Tool Works. (See Jacobson, Gunnard W., assignor.)
Illy, Francesco, Triest, Italy. Apparatus for the preparation of coffee infusions. 2,152,410; Mar. 28.
Imperial Chemical Industries Limited. (See Smith, Walter F., assignor.)
Ingersoll-Rand Company. (See Dickenson, Ernest H., assignor.)
Ingersoll-Rand Company. (See Morrison, William A., assignor.)
Ingle, Tom P., et al. (See Baker, Harvie E., assignor.)
Ingram, Arthur B., Azusa, Calif. Agricultural implement. 2,151,918; Mar. 28.
Injection Moulding Corp. (See Kayn, S. F., and Whyte, assignors.)
International Cellucotton Products Company. (See Newman, Herbert, assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)

International Harvester Company. (See Baker, D. B., Rogers, and Bechman, assignors.)
International Harvester Company. (See Renno, Donald G., assignor.)
International Standard Electric Corporation. (See Devaux, L., and Higonnét, assignors.)
International Standard Electric Corporation. (See Ono, Mitsuo, assignor.)
International Standard Electric Corporation. (See Rabuteau, G., and Chevigny, assignors.)
International Standard Electric Corporation. (See Smith, Clyde, assignor.)
International Standard Electric Corporation. (See Warren, William H., assignor.)
Ironsides Company, The. (See Williams, Robert C., assignor.)
Isaacs, Moses H., executors, et al. (See Molins, Walter E., assignor.)
Isendahl, Herbert, Berlin-Halensee, Germany. Gas producer. 2,152,411; Mar. 28.
Jacobson, Emanuel, New York, N. Y. Seamless rubber figure. 2,152,311; Mar. 28.
Jacobson, Gunnard W., assignor to Illinois Tool Works, Chicago, Ill. Locking device. 2,151,919; Mar. 28.
James, William G., West Middlesex, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transformer tank structure. 2,151,770; Mar. 28.
Jandus, Herbert S., and H. L. Brooke, assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Trailer hitching. 2,151,920; Mar. 28.
Jarvis, Kenneth W., New Rochelle, and R. M. Blair, Teaneck, assignors to Radio Corporation of America, New York, N. Y. Electron tube circuits. 2,151,771; Mar. 28.
Jelinek, Alfred F. (See Gross, W. E., and Jelinek.)
Jenkins, Howard W., Henderson, Ky. Pencil sharpener. 2,152,412; Mar. 28.
Jenkins, Tazewell H., Chicago, Ill. Aircraft construction. 2,152,053; Mar. 28.
Jennings, Chester S., Syracuse, N. Y., and F. W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y. Treatment of leather. 2,152,312; Mar. 28.
Jensen, Sigvard H., Detroit, Mich. Exercising machine. 2,152,431; Mar. 28.
Johanning, Paul M., Milwaukee, Wis. Stone cutting machine. 2,152,193; Mar. 28.
Johner, Hans. (See Graenacher, C., Sallmann, and Johner.)
Johnson, Ben F., assignor to National Metal Products Co., Inc., Connersville, Ind. Casket handle. 2,152,483; Mar. 28.
Johnson, John K., Rye, N. Y., assignor to Hazeltine Corporation. Noise suppressor. 2,152,481; Mar. 28.
Johnson, John K., Rye, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Noise suppressor. 2,152,482; Mar. 28.
Johnson, Orlando B., Boise, Idaho. Stationary piston air compressor. 2,152,054; Mar. 28.
Johnson, Roy, Seattle, Wash. Burner unit. 2,151,973; Mar. 28.
Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,151,852; Mar. 28.
Jonas & Naumburg Corporation. (See Messing, L. N., and Naumburg, assignors.)
Jones, Hilton I., Wilmette, assignor to The Naselmo Corporation, Chicago, Ill. Embalming. 2,152,484; Mar. 28.
Jones, Kit, Woodlawn, Tenn. Seed gathering attachment for mowing machines. 2,152,548; Mar. 28.
Jones, Lloyd T., Berkeley, Calif., assignor to Union Carbide and Carbon Research Laboratories, Inc. Electric welding. 2,152,194; Mar. 28.
Jones, Richard W. (See Williams, H. W., and Jones.)
Jonville, Charley, Neuville-en-Ferrain, and P. Ferlay, Paris, France. Internal combustion engine. 2,151,853; Mar. 28.
Jordan, Thomas G. (See Ragsdale, E. J. W., Conwell, and Jordan.)
Jung, Henry, Manhattan, Ill. Preparing yeast raised dough for baking. 2,152,593; Mar. 28.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,152,261; Mar. 28.
Kane, Frank A. (See Killmeyer, C. A., and Reichhelm, assignors.)
Kaplan, Charles, Lawrence, N. Y. Method of and means for cutting clothing. 2,151,703; Mar. 28.
Kaufmann, Frank H., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Device for warp leasing. 2,152,432; Mar. 28.
Kaunitz, Clyde F. (See Lorenz, C., and Kaunitz.)
Kayn, Stephen F., and D. D. Whyte, assignors to Injecton Moulding Corp., New York, N. Y. Clasp for hair ornaments. 2,152,313; Mar. 28.
Kayser, Casper, Owatonna, Minn. Corn reloader. 2,152,413; Mar. 28.
Kearney, Joseph C., et al. (See Harpster, Howard, assignor.)
Kegler, Harold L., Lincoln Park, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 2,152,055; Mar. 28.
Keith, W. W. (See Richardson, Cecil S., assignor.)
Keller, Frederick A., New York, assignor to H. Hyman, Brooklyn, N. Y. Dry cell. 2,152,433; Mar. 28.
Kellogg, M. W., Co. (See Hopkins, Robert K., assignor.)
Kenney, Mahlon W., Chicago, and A. R. Constantine, River Forest, assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Sealed unit. 2,152,056; Mar. 28.
Kennison, Frank, and F. E. Stratton, Beverly Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for assembling shoe parts. 2,151,974; Mar. 28.
Kessler Chemical Corporation, The. (See Wasum, Ludwig W., assignor.)
Kleckhefer Container Company. (See Stevenson, M. S., and (Wells, assignor.).)
Kietz, Adolf, et al. (See Bezzenberger, Frederick K., assignor.)
Kietz, Adolf, et al. (See Brown, W. H., and Spaeth, assignors.)
Killmeyer, Chester A., Stratford, and G. L. Reichhelm, New Haven, assignors to F. A. Kane, Derby, Conn. Nozzle. 2,152,057; Mar. 28.
Kindl, Carl H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Master cylinder for hydraulic brakes. 2,152,485; Mar. 28.
King, Denver R., U. S. Navy. Device for arresting the motion of vehicles. 2,151,704; Mar. 28.
King, Emory L., Ridgefield Park, N. J. Bench vice. 2,152,058; Mar. 28.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kinkead, Fullerton S., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph line circuit. 2,151,772; Mar. 28.
Kinzel, Augustus B., Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy steel. 2,152,434; Mar. 28.
Kircher, Ralph N., assignor to West Bend Aluminum Company, West Bend, Wis. Cigarette holder. 2,152,195; Mar. 28.
Klein, Maximilian, and B. Willach, assignors to United States Gauge Company, Sellersville, Pa. Pressure responsive rheostat. 2,152,262; Mar. 28.
Kliesrath, Victor W., South Bend, Ind., assignor to Bragg Kliesrath Corporation, Long Island City, N. Y. Clutch operating mechanism. 2,152,059; Mar. 28.
Kliesrath, Victor W., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Control mechanism for motor vehicles. 2,152,060; Mar. 28.
Kliesrath, Victor W., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Clutch control. 2,152,061; Mar. 28.
Kline, Harry, Plainfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Varnish. 2,151,975; Mar. 28.
Kletsch, Paul, assignor to Briggs Manufacturing Company, Detroit, Mich. Internal combustion engine. 2,152,594; Mar. 28.
Klumb, Clarence, Milwaukee, Wis. Cutting device for inserting album pictures. 2,152,063; Mar. 28.
Knapp, Joseph H., assignor of nine and eight-tenths per cent to H. E. Redmond, fourteen and seven-tenths per cent to J. F. Grimmer, and twenty-four and one-half per cent to T. C. Redmond, Utica, N. Y. Liquid heater and vaporizer. 2,151,854; Mar. 28.
Knaur, Christian M., Williamsport, Pa. Carton for radio tubes. 2,152,549; Mar. 28.
Knight, Arthur, Providence, R. I., assignor to L. K. Stupell, New York, N. Y. Ornament. 2,152,435; Mar. 28.
Knight, George C., Detroit, Mich. Cowl ventilator screen. 2,152,414; Mar. 28.
Knight, James L., Erie, Pa., assignor to General Electric Company. Control and illuminating of refrigerator cabinets. 2,152,486; Mar. 28.
Knoll, Max, and R. Urtel, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron optics. 2,151,777; Mar. 28.
Knoll, Max, Berlin-Charlottenburg, Germany. Cathode ray oscillograph. 2,152,487; Mar. 28.
Knowlton, Theodore E., New York, N. Y. Method and apparatus for preventing offset in printing. 2,152,263; Mar. 28.
Kobold, Josef, assignor to Maschinenfabrik Esslingen, Esslingen-on-the-Neckar, Germany. Compressor for carbon dioxide snow. 2,151,855; Mar. 28.
Koch Butchers' Supply Company. (See Starr, R. H., Masters, and Litman, assignors.)
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,773; Mar. 28.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,774; Mar. 28.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,775; Mar. 28.
Koepfle, Joseph F., Detroit, Mich., assignor of one-half to L. G. Koepfle, Silver Spring, Md. Mechanical drive. 2,152,550; Mar. 28.
Koepfle, Leo G. (See Koepfle, Joseph F., assignor.)
Koester, Herman, assignor to The Bristol Company, waterbury, Conn. Method and apparatus for forming metal screw blanks. 2,151,776; Mar. 28.

Kohn, Samuel, Jackson Heights, N. Y. Frankfurter cooker. 2,152,314; Mar. 28.
Kohn, Samuel, Jackson Heights, N. Y. Frankfurter cooker. 2,152,315; Mar. 28.
Kohl, Thomas, Wilkes-Barre, Pa. Attachment for artificial limbs. 2,152,141; Mar. 28.
Kokatnur, Vaman R., assignor to Autoxygen Inc., New York, N. Y. Motor fuel and making the same. 2,152,196; Mar. 28.
Kolarik, Michael, Vienna, Austria. Siphon-discharge apparatus. 2,152,062; Mar. 28.
Koos, Richard H., Gloucester, assignor to Leon H. Ashmore, Collingswood, N. J. Fountain pen. 2,152,436; Mar. 28.
Kopanski, Roman, assignor to The Ward Products Corporation, Cleveland, Ohio. Antenna. 2,152,316; Mar. 28.
Köster, Paul E., Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Instrument arrangement for aircraft motors. 2,151,976; Mar. 28.
Krafft, Maurice, assignor to the firm Sapal Societe Anonyme des Plieuses Automatiques, Lausanne, Switzerland. Wrapping machine. 2,152,142; Mar. 28.
Kramer, Albert J., Washington, D. C. Wind tunnel and method for determining streamline contours. 2,152,317; Mar. 28.
Kramar, Ernst, Berlin-Tempelhof, and E. Heinecke, Berlin-Lichtenrade, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Modulating high frequency transmitters. 2,151,921; Mar. 28.
Kramar, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Receiver for electromagnetic waves. 2,151,922; Mar. 28.
Krassalt, Theodor, Reuth V/Neumark, Germany, assignor of four-fifths to M. Presburg, Paris, France, and one-fifth to George August & Company Limited, Newcastle-on-Tyne, England. Manufacture of knitted goods. 2,152,415; Mar. 28.
Kreuscher, George A., Kenosha, Wis., assignor to W. J. Dennis & Company, Chicago, Ill. Window construction. 2,152,488; Mar. 28.
Kunze, Wilhelm. (See Manz, G., Zerweck, and Kunze.)
Labin, Frank R., Buffalo, N. Y. Toy vehicle. 2,152,064; Mar. 28.
La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Duplex master cylinder. 2,152,065; Mar. 28.
La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,066; Mar. 28.
La Brie, Ludger E., Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,152,067; Mar. 28.
Laird, Renfrew D., Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Shank piece and making the same. 2,151,977; Mar. 28.
Lakeland Foundation. (See Gruskin, Benjamin, assignor.)
Lamb, Howard S., assignor to The Cold Metal Process Company, Youngstown, Ohio. Brake. 2,152,489; Mar. 28.
Lamson Company, The. (See Jennings, C. S., and Gerard, assignors.)
Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel. 2,151,978; Mar. 28.
Lander, Charles E., et al. (See Baker, Harvie E., assignor.)
Landis & Gyr, A-G. (See Spahn, Emil, assignor.)
Landis Machine Company. (See Reimschissel, Charles A., assignor.)
Landon, Vernon D., Collingswood, N. J., assignor to Radio Corporation of America. Reduction of noise. 2,151,778; Mar. 28.
Lannerd, Paul V., assignor to The General Industries Company, Elyria, Ohio. Constant speed control for motors. 2,152,595; Mar. 28.
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 2,151,928; Mar. 28.
Lasch, Leopold, and G. Schichtel, Radentheln, Carinthia, Austria, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa. Melting and casting magnesium and alloys rich in magnesium. 2,151,779; Mar. 28.
Lathem, R. I. (See Field, Marcus H., assignor.)
Lavenburg, George, New York, N. Y. Electric toaster. 2,151,705; Mar. 28.
Lawson, Gottfrid C., Cleveland, Ohio. Venetian shade. 2,152,068; Mar. 28.
Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Protective apparatus. 2,152,490; Mar. 28.
Leader, Forest D., Oakland, Calif. Face shield. 2,152,383; Mar. 28.
Lear, Joseph D., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Helical fin wrapping machine. 2,152,437; Mar. 28.
Lee, Edward F., Detroit, Mich. Cooling system for metal barrels. 2,151,856; Mar. 28.
Leeds & Northrup Company. (See Mead, Harold G., assignor.)
Leese, Joseph. (See Green, S., Spector, and Leese.)
Le Marchant, Percy A., Iver, Buckinghamshire, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Preselector system for radio receivers. 2,151,780; Mar. 28.
Lems, Hendrik, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mercury cathode discharge tube. 2,151,979; Mar. 28.
Lesser, Rudolf, Berlin, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dianthrapyridones. 2,152,519; Mar. 28.
Leuchs, Friedrich. (See Hahl, H., Taub, and Leuchs.)
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,151,980; Mar. 28.
Levy, Joseph, New York, N. Y., assignor to Century Lighting, Inc. Lighting fixture construction. 2,152,197; Mar. 28.
Lewin, Hans, Hainburg, Germany. Roentgen photography. 2,152,353; Mar. 28.
Lewis, Lloyd V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,152,384; Mar. 28.
Liberty Glass Co. (See Studley, Charles W., assignor.)
Lieb, Merril R., Allentown, and W. W. Wassum, Alburtis, Pa. Valve. 2,152,551; Mar. 28.
Lieber, Hugo, assignor to Lieber Patents Corporation, New York, N. Y. Bone-conduction hearing-aid vibrator. 2,151,706; Mar. 28.
Lieber Patents Corporation. (See Lieber, Hugo, assignor.)
Liebmann, Alfred J., New York, N. Y. Making gin. 2,152,318; Mar. 28.
Lifschutz, Myron I., Chicago, Ill. Bridge construction. 2,152,069; Mar. 28.
Lind, Otto, Dusseldorf, assignor to Henkel & Cie., G. m. b. H., Dusseldorf-Holthausen, Germany. Bleaching, washing, cleansing, and rising agents. 2,152,520; Mar. 28.
Linde Air Products Company, The. (See Moss, Herbert H., assignor.)
Linden, Walter R. (See Rowland, W. B., and Linden.)
Lindenblad, Nils E., Port Jefferson, N. Y.; assignor to Radio Corporation of America. High frequency oscillator and modulator. 2,151,707; Mar. 28.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron discharge tube. 2,151,781; Mar. 28.
Lindsay, Harvey B., Evanston, Ill. Locking screws. 2,152,521; Mar. 28.
Lindstrom, Gustaf T., Tonawanda, N. Y. Combined friction and positive clutch. 2,152,552; Mar. 28.
Link, George L., Chicago, Ill. Connecting electrode unit for neon signs. 2,152,319; Mar. 28.
Litman, Chester K. (See Starr, R. H., Masters, and Litman.)
Liverance, Frank E., Jr., Grandville, Mich. Motor vehicle engine starting. 2,151,981; Mar. 28.
Llorens, Louis M., New York, assignor, by mesne assignments, to G. Moore, Hastings-on-Hudson, N. Y. Adding and calculating machine. 2,152,320; Mar. 28.
Lobdell, Benjamin N., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Saddle for cycles. 2,152,553; Mar. 28.
Lobdell-Emery Manufacturing Company, The. (See Lobdell, Benjamin N., assignor.)
Lobdell-Emery Manufacturing Company, The. (See Swett, Earl W., assignor.)
Lochhead, John L., Springfield, Mass. Trigger for machine guns. 2,151,708; Mar. 28.
Lockwood, Edwin H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot light for ovens. 2,151,782; Mar. 28.
Lockwood, Harry B., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for setting and drying battery plates. 2,152,554; Mar. 28.
Loeb, Carl. (See Henning, W., Bursack, and Loeb.)
Loepsinger, Albert J., Providence, and H. E. Rose, Warwick, assignors to General Fire Extinguisher Company, Providence, R. I. Automatic sprinkler. 2,151,982; Mar. 28.
Loft, John E., Worcester, Mass. Method of and apparatus for surfacing pavements. 2,152,264; Mar. 28.
Loftin, Edward H., trustee. (See White, Sidney Y., assignor.)
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Acceleration and deceleration control. 2,151,824; Mar. 28.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Acceleration and deceleration control equipment. 2,151,925; Mar. 28.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control means for bus switches. 2,151,926; Mar. 28.
Logan, Thomas A., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Traffic signaling system. 2,152,070; Mar. 28.
Longwell, Robert R. (See Taliaferro, W. R., and Longwell.)

Löpp, Edmund H., Berlin, Germany, and A. J. W. M. van Overbeek, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Secondary electron discharge tube. 2,151,783; Mar. 28.
Lorenz, C., Aktiengesellschaft. (See Arendt, P., and Hahnemann, assignors.)
Lorenz, C., Aktiengesellschaft. (See Baier, Otto, assignor.)
Lorenz, C., Aktiengesellschaft. (See Begun, Semi, assignor.)
Lorenz, C., Aktiengesellschaft. (See Habann, E., and Gerth, assignors.)
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lorenz, C., Aktiengesellschaft. (See Kramar, E., and Heinecke, assignors.)
Lorenz, C., Aktiengesellschaft. (See Pfilgner, H., and Sohn, assignors.)
Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lorenz, Carl, Chicago, Ill., and C. F. Kaunitz, Bay City, Mich. Welding apparatus. 2,152,596; Mar. 28.
Loughridge, Matthew H., Bogota, N. J. Automatic railway switching system. 2,151,709; Mar. 28.
Louisiana Oil Refining Corporation. (See Crittenden, Butler P., assignor.)
Love, James R., Houston, Tex. Golf bag support. 2,151,784; Mar. 28.
Lowenfels, Albert, White Plains, N. Y. Butter slicer. 2,152,198; Mar. 28.
Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)
Lubrication Corporation, The. (See Tear, Harry R., assignor.)
Lubszynski, Hans G., Hillingdon, H. Miller, South Ealing, London, and J. E. I. Cairns, West Ealing, London, assignors to Electric and Musical Industries, Ltd., Hayes, Middlesex, England. Electron discharge device. 2,151,785; Mar. 28.
Lufkin Foundry & Machine Company. (See Trout, Walter C., assignor.)
Lumasyne, Inc. (See Wilson, George R., assignor.)
Lumpkin, Ladd J., Jr. (See Collier, F. M., and Lumpkin.)
Lurie, David, Joliet, Ill., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Preparing sodium aluminum sulphate substantially fluorine free. 2,152,597; Mar. 28.
Lyman, Kenneth E., et al. (See McKone, Leo J., assignor.)
Macfarlane, George T., Northwood, Middlesex, assignor to The General Electric Company, Limited, London, England. Controlling apparatus for winches. 2,152,555; Mar. 28.
Machado, Anthony B., Alameda, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,152,199; Mar. 28.
Machen, Clifford. (See Hardy, R. D., Machen, and Aram.)
MacLean, Ethel W., Bayside, Long Island, N. Y., assignor to Brown Company, Berlin, N. H. Shoe counter. 2,152,354; Mar. 28.
MacMicking, William P., St. Paul, Minn. Direction indicator for vehicles. 2,152,355; Mar. 28.
Macwhyte Company. (See Russell, William C., assignor.)
Maher, James M., assignor of one-half of one per cent to G. J. Reeson, ten per cent to A. R. Daly, fourteen per cent to C. E. Berhenke, and twenty four per cent to J. F. Mundy, Fremont, Nebr. Method of and apparatus for providing filtered water for power purposes and the like. 2,152,619; Mar. 28.
Mallory, P. R., & Co. (See Emmert, Kenneth L., assignor.)
Mallory, P. R., & Co. (See Richter, Henry G., assignor.)
Mahn, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of stable cellulose esters. 2,152,071; Mar. 28.
Manz, Gottfried, Cologne-Mulheim, and W. Zerweck and W. Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water insoluble azo dyestuff. 2,151,857; Mar. 28.
Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc welding system. 2,151,786; Mar. 28.
Marbury, Ralph E., and P. H. Brace, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical capacitor. 2,151,787; Mar. 28.
Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Marchant Calculating Machine Company. (See Machado, Anthony B., assignor.)
Martin, Ernest E., Fresno, assignor to Rosenberg Bros. & Co., San Francisco, Calif. Raisin cleaning method. 2,152,143; Mar. 28.
Martin, William H. (See Töpper, Ernst, assignor.)
Maschinenfabrik Esslingen. (See Kobold, Josef, assignor.)
Masip, Joseph, A. Gandon, and J. Soler, New York, N. Y. Safety razor vending machine. 2,151,858; Mar. 28.
Master Wire Die Corp. (See Simons, Leon, assignor.)
Masters, Clarence. (See Starr, R. H., Masters, and Litman.)
Mathieson Alkali Works, Inc. (See Petroe, Gregory A., assignor.)
Matthews, Thomas A. P., Newport, Tenn. Sickle guard. 2,152,265; Mar. 28.
Mauersberger, Ernst A., Maarssen, Netherlands, assignor to Alframine Corporation, New York, N. Y. Acid addition compounds of higher fatty acid amides. 2,151,788; Mar. 28.
Maute, Carl F., Buffalo, N. Y. Retaining means for punches. 2,152,072; Mar. 28.
Mayer, Philip J., West Bend, and F. H. Peters, Milwaukee, Wis. Fishing rod. 2,152,385; Mar. 28.
McCall, Arthur H. (See Root, G. J., and McCall.)
McCann, Paul S., La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel and a method of forming it. 2,152,522; Mar. 28.
McConkie, William R., Irvine, Ayrshire, Scotland. Device for use in waving or curling hair. 2,151,859; Mar. 28.
McCulley, Joseph E., Scappoose, Oreg. Snow plow. 2,152,200; Mar. 28.
McDonough, Everett G. (See Evans, R. L., and McDonough.)
McEldowney, Harriet, Windsor, Ontario, Canada. Bib apron. 2,152,073; Mar. 28.
McFadden, George F., Roanoake, Va. Cutter assembly. 2,152,616; Mar. 28.
McGraw Electric Company. (See Scharf, Frank W., assignor.)
McGuire, Lee R., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Metal reel. 2,152,523; Mar. 28.
McHan, Brack B., Quincy, assignor to Calcium Carbonate Company, Chicago, Ill. Poultry food. 2,152,438; Mar. 28.
McIlvaine, Oran T., assignor to The McIlvaine Patent Corporation, St. Charles, Ill. Electronic tube and apparatus employing same. 2,152,321; Mar. 28.
McIlvaine Patent Corporation, The. (See McIlvaine, Oran T., assignor.)
McInnerney, Benjamin, Omaha, Nebr. Hydraulic four-wheel brake. 2,152,074; Mar. 28.
McKone, Leo J., assignor of one-third to K. E. Lyman, Chicago, Ill., and one-third to D. D. Francis, Cleveland, Ohio. Internal combustion engine. 2,151,927; Mar. 28.
McLellan, Arthur M., Los Angeles, Calif., assignor to McLellan Steel Development Corporation. Building construction. 2,151,860; Mar. 28.
McLellan, Arthur M., Los Angeles, Calif., assignor to McLellan Steel Development Corporation. Girder. 2,151,861; Mar. 28.
McLellan Steel Development Corporation. (See McLellan, Arthur M., assignor.)
McMillan, Chester B. (See Springer, A. J., and McMillan.)
McNeal, Daniel R., Abington, Pa., assignor to Andale Company, Philadelphia, Pa. Heat exchange equipment. 2,152,266; Mar. 28.
McNeal, Donald L. (See Hewitt, E. E., and McNeal.)
McNulty, Joseph, Bergenfield, N. J., assignor to Eagle Pencil Company. Pencil eraser tip. 2,151,824; Mar. 28.
Mead, Harold G., Wynnewood, assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for measuring temperature. 2,151,928; Mar. 28.
Meeker, David A., and J. C. Slager, assignors to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,151,862; Mar. 28.
Meiches, John D., Chicago, Ill. Paper clip. 2,152,075; Mar. 28.
Mendelsohn, Bernard E. (See Benson, B. H., and Mendelsohn.)
Menough, Paul S., Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind. High temperature shaft or roll. 2,152,076; Mar. 28.
Menzies, Thomas E. D. (See Scott, T. R., and Menzies.)
Mercau, Carlos P., Buenos Aires, Argentina. Apparatus for registering, filing, and extracting cards, records, etc. 2,151,929; Mar. 28.
Merrill, Albert D., assignor to Chemipulp Process Inc., Watertown, N. Y. Method and apparatus for digesting fibrous material. 2,152,267; Mar. 28.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for decorating and annealing glassware. 2,151,983; Mar. 28.
Messing, Louis N., and R. E. Naumburg, assignors to Jonas & Naumburg Corporation, New York, N. Y. Treating fur skins. 2,151,930; Mar. 28.
Messinger, William, Philadelphia, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Strain gauge. 2,152,556; Mar. 28.
Meston, Archibald F., Middlesex, and H. A. Wintermute, Plainfield, N. J., assignors, by mesne assignments, to Behr-Manning Corporation. Production of piled surfaces in pattern form. 2,152,077; Mar. 28.
Metropolis Bending Company, The. (See Park, Alan B., assignor.)
Meyer, George W., Glenshaw, and S. E. Shackelford, Westview, Pa.; said Shackelford assignor to said Meyer. Apparatus for decorating glassware. 2,152,356; Mar. 28.
Michelssen, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,151,789; Mar. 28.
Michiana Products Corporation. (See Menough, Paul S., assignor.)

Midland Steel Products Company, The. (See Riemenschneider, E., and Fettel, assignors.)
Miles, Lawrence D., Schenectady, N. Y., assignor to General Electric Company. Discharge device. 2,152,201; Mar. 28.
Millard, Raymond B., Tulsa, Okla. Vapor-liquid separator. 2,151,863; Mar. 28.
Miller, Benjamin, Richmond, N. Y., assignor to Power Patents Company, Hillside, N. J. Method of and apparatus for analyzing gas. 2,152,439; Mar. 28.
Miller-Craven, Inc. (See Whittlesey, Willis S., assignor.)
Miller, Harold. (See Lubszynski, H. G., Miller, and Cairns.)
Miller, Herman P., Jr., Harrisburg, Pa. Invisible light finder. 2,152,202; Mar. 28.
Miller, Merton R., Evanston, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Relay. 2,152,524; Mar. 28.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Amusement apparatus. 2,152,598; Mar. 28.
Mills, Bert E., Oak Park, assignor to Mills Novelty Company; Chicago, Ill. Automatic stop control mechanism for coin-operated machines. 2,152,599; Mar. 28.
Mills, John, Santa Ana, Calif., assignor to Crown Can Company, Philadelphia, Pa. Method of and apparatus for extracting rind oil from citrus fruits. 2,151,710; Mar. 28.
Mills Novelty Company. (See Mills, Bert E., assignor.)
Minelli, Giuseppe, Dawson, N. Mex. Aircraft. 2,152,144; Mar. 28.
Miner, W. H., Inc. (See Endicott, George F., assignor.)
Mining Engineering Company Limited, The. (See Nyborg, Tage G., assignor.)
Mirel, Louis I., assignor to E. Clein, Brooklyn, N. Y. Construction of electric heating units and connecting parts therefor. 2,152,525; Mar. 28.
Mitchell Bissell Company. (See Cass, Freeman, assignor.)
Mitchell, Harry R., Bremerton, assignor of one-half to D. G. Smith, Mercer Island, Wash. Electric toaster. 2,151,790; Mar. 28.
Mitchell, William B., Cross Banks, Shipley, England. Machine for the manufacture of glass bottles. 2,151,864; Mar. 28.
Moeller, Harry A., and C. L. Orr., assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Braking mechanism for railway car trucks. 2,152,268; Mar. 28.
Mole-Richardson Co. (See Coates, Fielding C., assignor.)
Molins, Harold B., Executors et al. (See Molins, Walter E., assignor.)
Molins Machine Company Limited. (See Chalmers, John W., assignor.)
Molins Machine Company. (See Molins, Walter E., assignor.)
Molins, Walter E., deceased, Deptford London, by H. B. Molins, Deptford, and M. H. Isaacs, London, executors, assignors to Molins Maching Company, Limited, Deptford, England. Manufacture of cigarettes. 2,152,416; Mar. 28.
Molzen, Charles F., Stratford, assignor to De Jur-Amsco Corporation, Shelton, Mass. Insulator. 2,151,931; Mar. 28.
Monomelt Company, The. (See Olander, Leonard G., assignor.)
Monopower Corporation. (See Tyler, Tracy B., assignor.)
Monroe, Thomas E., Atlanta, Ga. Hand sewing machine. 2,152,203; Mar. 28.
Montroy, Frank E., Los Angeles, Calif. Terminal housing for luminous tubes. 2,152,558; Mar. 28.
Moore, Earl E., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Automatic choke control. 2,152,078; Mar. 28.
Moore, Ernest C., and W. R. Challoner; said Moore assignor to Appleton Music Publication, Inc., Appleton, Wis. Desk stand. 2,152,557; Mar. 28.
Moore, George. (See Llorens, Louis M., assignor.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,152,322; Mar. 28.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,152,323; Mar. 28.
Moore, Montague, Burnaby, British Columbia, Canada. Postage meter. 2,152,204; Mar. 28.
Morris, Edwin J. (See Myers, M. L., and Morris.)
Morrison, Charles C., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,152,600; Mar. 28.
Morrison, Willard L., Lake Forest, assignor to The Dole Valve Company, Chicago, Ill. Circulatory cooling system for internal combustion engines. 2,152,526; Mar. 28.
Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. Y. Muffler. 2,152,205; Mar. 28.
Morton, Eric A., Coventry, assignor to Courtaulds, Limited, London, England. Manufacture of artificial threads, filaments, and the like. 2,152,620; Mar. 28.
Moscowitz, Abraham, New York, N. Y., assignor to L. Sonneborn Sons, Inc. Rayon crepes and their manufacture. 2,151,711; Mar. 28.
Mosler Lock Company, The. (See Hirn, Charles M., assignor.)
Moslo, Ernest P., Cleveland, Ohio. Support for wire reels. 2,152,559; Mar. 28.
Moss, Herbert H., Brooklyn, N. Y., assignor to The Linde Air Products Company. Method and apparatus for cutting and heat-treating metal. 2,152,145; Mar. 28.
Mott, Edwin L., St. Louis, Mo. Display package and method of packaging. 2,152,079; Mar. 28.
Moyer, Wendell W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of chlorinated hydrocarbons. 2,152,357; Mar. 28.
Moyle, Clarence L. (See Britton, E. C., and Moyle.)
Moyle, Clarence L., and S. L. Bass, assignors to The Dow Chemical Company, Midland, Mich. Colored aromatic phosphate. 2,151,984; Mar. 28.
Mundy, John F., et al. (See Maher, James M., assignor.)
Munroe, Percy R., Springfield, assignor to Berkshire Upholstered Furniture Company, Willimansett, Mass. Furniture. 2,151,985; Mar. 28.
Munsey, Albert O., Los Angeles, Calif. Tile roof construction. 2,152,080; Mar. 28.
Muren, Albert L., Dearborn, Mich. Radiator or condenser. 2,151,701; Mar. 28.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Window strip installation and fastener for the same. 2,152,601; Mar. 28.
Murray, Charles R., Sr., San Francisco, Calif. Sprinkler head signaling attachment. 2,152,146; Mar. 28.
Musselman, Alvin J., Cleveland Heights, Ohio. Speed control mechanism. 2,152,386; Mar. 28.
Myers, Francis P. (See Hedrick, G. H., Myers, and Stark.)
Myers, Myron L., Elizabeth, N. J., and E. J. Morris, Richmond County, N. Y. Purifying air for breathing. 2,151,792; Mar. 28.
Myers, Joseph W., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Cooking apparatus. 2,152,560; Mar. 28.
N. V. Machinefabriek "Breda" v/h. Backer & Rueb. (See Huygen, Frédéric C., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Lems, Hendrik, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Löpp, E. H., and van Overbeek, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See Tellegen, Bernardus D. H., assignor.)
N. V. Philips' Gloeilampenfabrieken. (See van Loon, Carel J., assignor.)
Naamlooze Vennootschap Maatschappij tot Beheer en Exploitatie van Octrooien. (See von Reis, Lambert, assignor.)
Naismith, Samuel, assignor to Open Hearth Combustion Company, Chicago, Ill. Gas-port cooler. 2,152,491; Mar. 28.
Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft Stuttgart-Unterturkheim, Germany. Heating device for motorcars. 2,151,865; Mar. 28.
Naselmo Corporation, The. (See Jones, Hilton I., assignor.)
Natalic, James, Mechanicville, N. Y. Necktie. 2,142,417; Mar. 28.
National Aniline & Chemical Company. (See Herrett, Wilbert A., assignor.)
National Lock Company. (See Wade, W., and North, assignors.)
National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)
National Metal Products Co. (See Johnson, Ben F., assignor.)
Naumburg, Robert E. (See Messing, L. N., and Naumburg.)
Neale, Charles E. (See Gostin, B. F., and Neale.)
Neal, James O., Bremerton, Wash. Fuel and air mixer. 2,152,206; Mar. 28.
Needels, William J., Cincinnati, Ohio. Incubator. 2,152,492; Mar. 28.
Needham, Joseph, Passaic, N. J. Variable speed reducer. 2,152,207; Mar. 28.
Neil, Wm. P., Company. (See Edison, John S., assignor.)
Nelson, John B., assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 2,152,081; Mar. 28.
Nelson, Rudolph S., Rockford, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,152,269; Mar. 28.
Nelson, Stewart, New York, N. Y. Frankfurter broiler. 2,152,208; Mar. 28.
Neville Company, The. (See Carmody, William H., assignor.)
New England Fish Company. (See Hedreen, C. A., and Beard, assignors.)
Newhall, Herbert B., Saugus, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom pressing machine. 2,151,712; Mar. 28.
Newman, Herbert, London, England, assignor to International Cellucotton Products Company, Chicago, Ill. Apparatus for fastening attachment loops to sanitary napkins. 2,152,493; Mar. 28.
Nigra, Ferdinand, assignor to Niagara Duplicator Company, San Francisco, Calif. Impression roller for duplicators. 2,152,561; Mar. 28.
Niagara Duplicator Company. (See Nigra, Ferdinand, assignor.)
Nielsen, Aage, Copenhagen, Denmark. Manufacturing porous articles of clay. 2,151,932; Mar. 28.

Niemann, Hans, Hanover, Germany. Arrangement to avoid condensation within cold insulations. 2,151,713; Mar. 28.
Nilsson, Olof F., Stockholm, Sweden. Recording precipitation gauge. 2,151,866; Mar. 28.
Nobilium Products, Inc. (See Prosen, Emil M., assignor.)
Nofsinger, Charles W., Summit, assignor to Gasoline Products Company, Inc., Newark, N. J. Conversion of hydrocarbon oils. 2,152,147; Mar. 28.
North, Edwin. (See Wade, W., and North.)
Norton Company. (See Ridgway, Raymond R., assignor.)
Norton, Leland D., Fairfield, and V. L. Frykman, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Commercial phonograph. 2,152,440; Mar. 28.
Nyborg, Tage G., assignor of one-half to The Mining Engineering Company Limited, Worcester, England. Shaker conveyer. 2,152,148; Mar. 28.
Nyden, Robert, assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,152,270; Mar. 28.
Nyden, Robert, assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,152,271; Mar. 28.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone-hand-set mounting. 2,152,494; Mar. 28.
Oil Devices. (See Breese, James L., assignor.)
Oklahoma Paper Company. (See Hartman, Glen E., assignor.)
Olander, Leonard G., assignor to The Monomelt Company, Incorporated, Minneapolis, Minn. Dross sifter. 2,151,986; Mar. 28.
Olcott, Charles A., Montclair, N. J. Purging and washing solids in a centrifugal. 2,152,562; Mar. 28.
Olsen, Anders C., Gwynedd, Pa. Building construction. 2,152,418; Mar. 28.
Ombrello, Michael, Bronx, N. Y. Fountain brush. 2,152,272; Mar. 28.
O'Neal, William. (See Ramsey, J. A., and O'Neal, assignors.)
Ono, Mitsuo, Mita, Shibaku, Tokyo, Japan, assignor to International Standard Electric Corporation, New York, N. Y. Forming a cuprous oxide rectifier element. 2,151,933; Mar. 28.
Onorato, Paul, San Mateo, and E. Weinaug, San Francisco, Calif. Poultry bleeding and steaming machine. 2,152,082; Mar. 28.
Onorato, Paul, San Mateo, and E. Weinaug, San Francisco, Calif. Poultry bleeding and steaming machine. 2,152,083; Mar. 28.
Open Hearth Combustion Company. (See Naismith, Samuel, assignor.)
Orr, Claude L. (See Moeller, H. A., and Orr.)
Orthodontists Supply Co. Inc., The. (See Spahn, Charles A., assignor.)
Ostling, Karl W. S. (See Vanderpoel, A. G. H., and Ostling.)
Ott, Emil, assignor to Hercules Powder Company, Wilmington, Del. Food product. 2,152,602; Mar. 28.
Otto, August, Sandwich, Ill. Corn picker. 2,152,273; Mar. 28.
Otto, Walter, New York, N. Y. Advertising display. 2,152,495; Mar. 28.
Owens-Illinois Glass Company. (See Carvalho, L. R. N., and Schmidt, assignors.)
Owens-Illinois Glass Company. (See Schmidt, Charles F., assignor.)
Owens, Joseph W., Schenectady, N. Y., assignors to General Electric Company. Electric switch. 2,152,496; Mar. 28.
Owens-Illinois Glass Company. (See Galpin, G. G., and Schmidt, assignors.)
Paine, Willard B., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,084; Mar. 28.
Palmer, Hermione R., Berkeley, Calif. Coiffure for plastic figures and making the same. 2,152,085; Mar. 28.
Palmer, John P. (See Palmer, Robert W. and J. P.)
Palmer, Robert T. (See Anderson, S. M., and Palmer.)
Palmer, Robert W. and J. P., Meadville, Pa. Slip locking pivot. 2,152,563; Mar. 28.
Palmeri, Louis, Wethersfield, Conn. Brush. 2,152,358; Mar. 28.
Papazian, Martin S., Worcester, Mass. Stencil attachment for spray guns. 2,152,274; Mar. 28.
Park, Alan B., assignor to The Metropolis Bending Company, Metropolis, Ill. Folding chair. 2,152,149; Mar. 28.
Parker, John R., assignor to F. P. Higgins, Toronto, Ontario, Canada. Clasp for garment supporters. 2,151,867; Mar. 28.
Parkins, Virgil, Tiffin, Ohio. Fish lure. 2,152,275; Mar. 28.
Parrott, Robert B., Indianapolis, Ind. Window lock. 2,151,934; Mar. 28.
Parva Products Company. (See White, Paul W., assignor.)
Pathé Cinéma Anciens Etablissements Pathé Freres. (See Cazes, Paul G., assignor.)
Patin, Albert, Berlin, Germany. Positional receiver. 2,151,793; Mar. 28.
Patzer, William. (See Tratsch, W. A., and Patzer.)
Paulus, Charles L. (See Perrine, L. E., and Paulus.)
Pavesi, Ugo, deceased, Milan, Italy; M. Ramognino (late Pavesi), administratrix. Change-speed device. 2,151,714; Mar. 28.
Pearson, Gustav C., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Quarry drill frame. 2,152,150; Mar. 28.
Peebles, Joseph B., Los Angeles, Calif. Roof construction and roofing element therefor. 2,151,794; Mar. 28.
Pender, Lloyd G., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener member. 2,152,603; Mar. 28.
Percival, William S., London, England, assignor to Electric & Musical Industries Limited. Thermionic amplifier circuits. 2,151,795; Mar. 28.
Perkins, Mart C., Casper, Wyo. Rotary fluid motor. 2,152,564; Mar. 28.
Perrine, Lester E., Detroit, Mich., and C. L. Paulus, Dayton, Ohio, assignors to General Motors Corporation. Refrigerating apparatus. 2,151,987; Mar. 28.
Perry, Lester E., Maywood, Ill., assignor to Commercial Solvents Corporation; Terre Haute, Ind. Calculating device. 2,152,604; Mar. 28.
Petermichl, Franz, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electric circuit breaker. 2,152,497; Mar. 28.
Peters, Floyd H. (See Mayer, P. J., and Peters.)
Peters, John F., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discharge apparatus. 2,151,796; Mar. 28.
Peters, Melville F., Beltsville, Md. Ignition cable. 2,151,715; Mar. 28.
Peterson, Samuel P., El Pasco, Tex. Automobile lock. 2,152,565; Mar. 28.
Petroe, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Apparatus for handling liquids. 2,151,935; Mar. 28.
Pew, John G., et al. (See Ramsey, J. A., and O'Neal, assignors.)
Pfiasterer, George R., Greenville, assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for highway crossing signals. 2,152,276; Mar. 28.
Pfüigner, Helmut, and E. Sohn, Berlin-Mariendorf, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Character transmitting system. 2,151,936; Mar. 28.
Philco Radio and Television Corporation. (See Barton, Loy E., assignor.)
Phillips, Edward W., Flint, Mich. Ventilating storm window. 2,152,566; Mar. 28.
Phillips Petroleum Company. (See Endacott, Paul S., assignor.)
Phillips Petroleum Company. (See Schulze, Walter A., assignor.)
Phillips, Samuel A., et al. (See Chaplin, Hershel W., assignor.)
Phillips, William J., North Kansas City, and R. Scovel, Kansas City, Mo. Automatic indicating system. 2,152,151; Mar. 28.
Pierce, Frank L., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,152,277; Mar. 28.
Piller, Franz, Munich, Germany. Base for color copying screens. 2,152,621; Mar. 28.
Pintsch, Julius, Kommanditgesellschaft. (See Rauhut, Paul, assignor.)
Plastic Inlays, Inc. (See Sypher, Milford G., assignor.)
Platt, Haviland H., New York, N. Y. Variable pitch propeller. 2,152,419; Mar. 28.
Poppelmeier, Frank H., assignor to Dayton Type, Incorporated, Dayton, Ohio. Type composing machine. 2,152,209; Mar. 28.
Pokorný, Ermín, Prague, Czechoslovakia. Water tube boiler. 2,151,988; Mar. 28.
Polaroid Corporation. (See West, Cutler D., assignor.)
Polaroid Corporation. (See Wolff, Otto E., assignor.)
Poniatoff, Alexander M., Mill Valley, Calif. Hair waving heater. 2,152,359; Mar. 28.
Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Yarn creel and other apparatus. 2,152,210; Mar. 28.
Poor & Company. (See Warr, Harold G., assignor.)
Porfido, Gabriel, Taunton, Mass. Combined guideway, storage, and delivery device for bobbins. 2,151,868; Mar. 28.
Porter, Albert N., assignor to J. F. Darby, Tulsa, Okla. Oilless bearing. 2,152,387; Mar. 28.
Porter, Albert N., assignor to J. F. Darby, Tulsa, Okla. Spring shackle. 2,152,388; Mar. 28.
Posnansky, Karl W. (See Gottesmann, Edward, assignor.)
Power Patents Company. (See Miller, Benjamin, assignor.)
Powell Pressed Steel Company, The. (See Powell, William J., assignor.)
Powell, William J., assignor to The Powell Pressed Steel Company, Hubbard, Ohio. Pallet construction. 2,152,086; Mar. 28.
Presburg, Maurice, et al. (See Krasselt, Theodor, assignor.)
Prescott, Charles H., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoelectric tube. 2,151,797; Mar. 28.
Price, Earl R. (See Price, Harold W. and E. R.)
Price, Earl R. (See Price, Harold W. and E. R., and Capra.)

Price, Earl R. and H. W., assignors to Bendix Products Corporation, South Bend, Ind. Clutch control mechanism. 2,152,088; Mar. 28.
Price, Harold W. (See Price, Earl R. and H. W.)
Price, Harold W., O. Capra, and E. R. Price, assignors to Bendix Products Corporation, South Bend, Ind. Power clutch and brake control. 2,152,087; Mar. 28.
Price, Harold W. and E. R., assignors to Bendix Products Corporation, South Bend, Ind. Clutch control mechanism. 2,152,089; Mar. 28.
Proctor & Schwartz, Incorporated. (See Myers, Joseph W., assignor.)
Prosen, Emil M., assignor to Nobilium Products, Inc., Philadelphia, Pa. Dental investment or refractory material. 2,152,152; Mar. 28.
Providence Braid Co. (See Albion, Charles M., assignor.)
Prox, Frank, Company. (See Fulke, Frank L., assignor.)
Pryne, Alexander T., Los Angeles, Calif. Concrete form tie wire tightener and fastener. 2,152,090; Mar. 28.
Public, Dedicated to the free use of the. (See Batchelder, Charles H.)
Pullen, Rodney S., Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa. Match packeting machine and method. 2,152,441; Mar. 28.
Pullenlite Company. (See Pullen, Rodney S., assignor.)
Pulver, Robert W., San Jose, Calif. Ladder. 2,152,324; Mar. 28.
Purington, Ellison S., Gloucester, Mass., assignor to J. H. Hammond, Jr. Altitude determining system for aircraft. 2,152,325; Mar. 28.
Putnam, Mabel C., assignor to Clamp Nail Company, Chicago, Ill. Wood joint fastener. 2,151,716; Mar. 28.
Pyle-National Company, The. (See Wuile, William A., assignor.)
Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for copper welding or heat treating tubing or other long lengths of metal. 2,151,989; Mar. 28.
Quigley, John T., Eagle Rock, Calif. Vertical file folder. 2,151,717; Mar. 28.
Quiroz, Francisco A., Newark, N. J. Rotary pump. 2,152,498; Mar. 28.
RKO Studios, Inc. (See Winchester, Armstead C., assignor.)
Raad, Thomas O., New York, N. Y. Building brick or block. 2,151,798; Mar. 28.
Rabbiner, Bertrand, Brooklyn, assignor to Aero-Rocker Knitting Mills, Inc., New York, N. Y. Garment. 2,152,211; Mar. 28.
Rabuteau, Guy, and G. P. Chevigny, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Gas-tight joint. 2,151,937; Mar. 28.
Radio Corporation of America. (See Ballard, Randall C., assignor.)
Radio Corporation of America. (See Belar, Herbert, assignor.)
Radio Corporation fo America. (See Burrill, Charles M., assignor.)
Radio Corporation of America. (See George, R. H., and Heim, assignors.)
Radio Corporation of America. (See Goston, B. F., and Neale, assignors.)
Radio Corporation of America. (See Haas, P., and Taber, assignors.)
Radio Corporation of America. (See Jarvis, K. W., and Blair, assignors.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Landon, Vernon D., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Rust, N. M., and Brett, assignors.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Shardlow, Lawrence R., assignor.)
Radio Corporation of America. (See Siemens, Rudolph H., assignor.)
Radio Corporation of America. (See Smith, Newell R., assignor.)
Radio Corporation of America. (See Tellegen, Bernardus D. H., assignor.)
Radio Corporation of America. (See Trevor, B., and George, assignors.)
Radio Corporation of America. (See Vogel, Charles P., assignor.)
Rago, Vincent, Chicago, Ill. Tailors chalk sharpener with replaceable blade. 2,151,869; Mar. 28.
Ragsdale, Earl J. W., Norristown, Pa., C. B. Conwell, Los Angeles, Calif., and T. G. Jordan, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Deck house. 2,152,605; Mar. 28.
Ramognino, Maria (late Pavesi), administratrix. (See Pavesi, Ugo, assignor.)
Ramsey, Jesse A., Wenonah, N. J., and W. O'Neal, Drexel Hill, assignors of one-half to J. G. Pew, Media, and R. L. Burke, Swarthmore, Pa. Life saving light. 2,151,938; Mar. 28.
Rand, Benjamin G., Glendale, Calif., assignor to Remington Rand Inc., Buffalo, N. Y. Card index. 2,152,606; Mar. 28.
Randall, Harry and W., Chicago, Ill. Towing device for trucks and the like. 2,152,279; Mar. 28.
Randall, William. (See Randall, Harry and W.)
Ranger Engineering Corporation. (See Gregory, Alfred T., assignor.)
Rapuano, Anthony D., New Haven, assignor to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Vapor condenser and making the same. 2,152,280; Mar. 28.
Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Master cylinder for hydraulic brakes. 2,152,499; Mar. 28.
Rasmussen, Peter, Denver, Colo. Flour dusting machine. 2,152,500; Mar. 28.
Rauh, Frederic H., South Orange, N. J. Collar button. 2,152,326; Mar. 28.
Rauhut, Paul, Berlin-Karlshorst, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Alternating current commutator machine. 2,152,327; Mar. 28.
Raven, Philip H., Goshen, Calif. Trailer. 2,151,870; Mar. 28.
Reconstruction Finance Corporation. (See Kenney, M. W., and Constantine, assignors.)
Redd, Eldon J. (See Smith, Emmett R. and O. L., and Redd.)
Redfern, Francis H., Folkestone, England. Arrangement of doors on motor vehicles. 2,152,281; Mar. 28.
Redmond, Helen E., et al. (See Knapp, Joseph H., assignor.)
Redmond, Thomas C., et al. (See Knapp, Joseph H., assignor.)
Reeson, Gerard J., et al. (See Maher, James M., assignor.)
Reichheim, George L. (See Killmeyer, C. A., and Reichheim.)
Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Chaser for die heads. 2,152,567; Mar. 28.
Reinkens, Bernard C., Pasco, Wash. Ditcher and packer machine. 2,152,212; Mar. 28.
Remington Rand Inc. (See Rand, Benjamin G., assignor.)
Remington Rand Inc. (See (Stevenson, Milton S., assignor) and Wells.)
Renno, Donald G., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle body. 2,152,568; Mar. 28.
Republic Flow Meters Company. (See Cunningham, James D., assignor.)
Republic Flow Meters Company. (See Spitzglass, A. F., and Handwerk, assignors.)
Rice, Charles D., West Hartford, Conn. Spring suspension. 2,152,032; Mar. 28.
Richardson, Cecil S., New York, N. Y., assignor of one-tenth to W. W. Keith, West Palm Beach, Fla. Propeller. 2,151,939; Mar. 28.
Richter, Henry G., Westfield, N. J., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind. Tubular resistor and support therefor. 2,151,799; Mar. 28.
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Thermocouple. 2,152,153; Mar. 28.
Riemenschneider, Ernest, Lakewood, and M. G. Fettel, assignors to The Midland Steel Products Company, Cleveland, Ohio. Welding electrode holder. 2,151,871; Mar. 28.
Riggs, Alger S., assignor of one-third to J. B. Brady, Washington, D. C. Electrical control system. 2,151,718; Mar. 28.
Rikerd Lumber Company. (See Shafer, Alvin O., assignor.)
Rindge, Fulton, Longmeadow, Mass. Winding drum for reels. 2,152,282; Mar. 28.
Robio, Raymond A., Outremont, near Montreal, Quebec, Canada. Humidifying and cooling apparatus. 2,152,360; Mar. 28.
Robiette, Alfred G. E., assignor to Birmingham Electric Furnaces Limited, Erdington, Birmingham, England. Method of and apparatus for the heat treatment of metals and alloys. 2,152,154; Mar. 28.
Robinson, Claud L., Des Moines, Iowa. Gas fuel regulator. 2,152,501; Mar. 28.
Rocard, Yves, Paris, France, assignor to Compagnie Generale de Telegraphie sans Fil. Oscillation device. 2,151,800; Mar. 28.
Rockwell, Edward A., West Hartford, Conn. System for feeding fuel. 2,152,091; Mar. 28.
Roesch, Frank P., Chicago, Ill. Locomotive. 2,152,420; Mar. 28.
Rogers Brothers Corporation, The. (See Rogers, Hugh L., assignor.)
Rogers, Clifford R. (See Baker, D. B., Rogers, and Bechman.)
Rogers, Hugh L., assignor to The Rogers Brothers Corporation, Albion, Pa. Brake applying and equalizing mechanism for universal rocking wheel vehicles. 2,152,442; Mar. 28.
Rogers, Hugh L., assignor to The Rogers Brothers Corporation, Albion, Pa. Brake applying and equalizing mechanism. 2,152,443; Mar. 28.
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Vaporproof luminair. 2,151,801; Mar. 28.

Roman, Adam, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Grinding wheel trimming device. 2,151,802; Mar. 28.
Root, George J., and A. H. McCall, Elmira, N. Y., said McCall assignor to said Root. Block press. 2,152,569; Mar. 28.
Rose, Herbert E. (See Loepsinger, A. J., and Rose.)
Rosenberg Bros. & Co. (See Martin, Ernest E., assignor.)
Rosner, Max., assignor to General Outdoor Advertising Company, Chicago, Ill. Prefabricated billboard. 2,151,872; Mar. 28.
Rougier, Pierre, La Courtine, Creuse, France. Snow plow. 2,152,092; Mar. 28.
Rowland, Walter B., Upper Montclair, and W. R. Linden, Palisades Park, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Metal scarfing machine and process. 2,152,213; Mar. 28.
Rubinstein, Wilton, Clayton, Mo. Collar. 2,152,093; Mar. 28.
Rubinstein, Wilton, Clayton, Mo. Collar. 2,152,094; Mar. 28.
Rubinstein, Wilton, Clayton, Mo. Collar. 2,152,095; Mar. 28.
Rude, Robert L., assignor, by mesne assignments to The British American Oil Comany, Limited, Toronto, Ontario, Canada. Protecting vacuum-creating equipment of distilling plants. 2,152,155; Mar. 28.
Rudolph, George. (See Atwood, W. A., and Rudolph.)
Ruen, Henry C. (See Simmons, H. M., and Ruen.)
Ruesch, August, New York, N. Y. Slidable sash support-replacement device. 2,152,361; Mar. 28.
Rumsey, John A., Swarthmore, Pa. Automatic cut-off valve. 2,151,940; Mar. 28.
Runge, Wilhelm. (See Fritz, K., and Runge.)
Ruppel, Sigwart, deceased, Berlin, Germany; F. Strauss, née Ruppel, New York, N. Y., heir. Electric circuit breaker. 2,152,283; Mar. 28.
Ruska, Ernst, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengeselischaft, Zehlendorf, near Berlin, Germany. Deflecting coil for cathode ray tubes. 2,152,362; Mar. 28.
Ruska, Ernst, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengeselischaft, Zehlendorf, near Berlin, Germany. Deflecting device for Braun tubes. 2,152,363; Mar. 28.
Russell, William C., assignor to Macwhyte Company, Kenosha, Wis. Thimble. 2,152,096; Mar. 28.
Rust, Noël M., Chelmsford, and G. F. Brett, London, England, assignors to Radio Corporation of America. Cathode for electron discharge devices. 2,151,803; Mar. 28.
Ruys, Jan D., Pittsburg, assignor to Shell Development Company, San Francisco, Calif. Recovery of organic compounds. 2,151,990; Mar. 28.
Rydberg, Gustav G. H., assignor to Svenska Ackumulator Aktiebolaget Junger, Stockholm, Sweden. Measuring apparatus. 2,151,941; Mar. 28.
S. C. K. Corporation. (See Scott, Albert B., assignor.)
Sadtler, Chester B., assignor to Barber-Colman Company, Rockford, Ill. Heat treating and apparatus therefor. 2,152,284; Mar. 28.
St. George Textile Corporation. (See Weinberger, Jans, assignor.)
Saling, William J., Decatur, Ill. Automatic ignition cut-off. 2,152,097; Mar. 28.
Salisbury & Satterlee Way Co. (See Bechik, Michael, assignor.)
Sallmann, Richard. (See Graenacher, C., Sallmann, and Johner.)
Sanford, Roy S., New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Transmission mechanism. 2,152,098; Mar. 28.
Sansonetti, Adolph J., Wakefield, Mass. Detachable shoe heel. 2,152,099; Mar. 28.
Santini, Danilo. (See Bouton, E. M., Williams, and Santini.)
Sapal Societe Anonyme des Plieuses Automatiques. (See Kraft, Maurice, assignor.)
Šarčević, Mato, Osijek, Yugoslavia. Orthopedič footwear with foot-supporting plate. 2,151,720; Mar. 28.
Sattler, Hans, Sheboygan, Wis. Machine for applying stick handles to frozen confection blocks. 2,152,214; Mar. 28.
Scates, Charles E., Hueneme, Calif. Braking device. 2,152,570; Mar. 28.
Schaake, William, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current collector. 2,151,804; Mar. 28.
Schade, Otto H., West Orange, N. J., assignor to Radio Corporation of America. Interlocking circuits. 2,152,328; Mar. 28.
Scharf, Frank W., Western Springs, assignor to McGraw Electric Company, Chicago, Ill. Automatic electric toaster. 2,152,100; Mar. 28.
Schel, Iver P., Fergus Falls, Minn. Treatment of patent flat stock and low grade. 2,151,805; Mar. 28.
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Television method. 2,151,942; Mar. 28.
Scherer, Robert P., Detroit, Mich. Method and apparatus for making capsules by submerged filling action. 2,152,101; Mar. 28.
Schichtel, Georg. (See Lasch, L., and Schichtel.)
Schirmer, Wilfred R., Rapid City, S. Dak. Ash receiver. 2,152,285; Mar. 28.
Schmidt, Alfred C., Teaneck, and C. W. Bruger, North Bergen, N. J. Electric iron. 2,152,502; Mar. 28.
Schmidt, Charles F. (See Carvalho, L. R. N., and Schmidt.)
Schmidt, Charles F. (See Galpin, G. G., and Schmidt.)
Schmidt, Charles F., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Closure applying apparatus. 2,152,571; Mar. 28.
Schmitter, Walter P., and R. Wiken, assignors to The Falk Corporation, Milwaukee, Wis. Vertical geared motor. 2,152,607; Mar. 28.
Schnellpressenfabrik Aktiengesellschaft Heidelberg. (See Büttner, Artur, assignor.)
Schnoll, Nathan, New York, and L. W. Appleton, Brooklyn,, assignors to Solar Manufacturing Corporation, New York, N. Y. Electrolytic condenser and making same. 2,151,806; Mar. 28.
Schnuck, Carl F., New Haven, assignor to Farrel-Birmingham Company, Ansonia, Conn. Vulcanizing and stretching press. 2,152,503; Mar. 28.
Schoenmaker, Pieter, assignor to Willem Smit & Co's Transformatorenfabriek, Nijmegen, Netherlands. Welding rod. 2,152,286; Mar. 28.
Schoessow, Earl E. (See Fletcher, J., and Schoessow.)
Schramm, Carl, North Coventry, assignor to The Smyth Manufacturing Company, Hartford, Conn. Machine for creasing the joints of books. 2,151,991; Mar. 28.
Scott, Thomas R., and T. E. D. Menzies, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Coaxial cable terminal. 2,152,504; Mar. 28.
Scull, Raymond T., et al. (See Berstler, Carl E., assignor.)
Schulze, Walter A., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treatment of hydrocarbons. 2,151,721; Mar. 28.
Schlissler, Karl, assignor to Telefunken Gesellschaft für Druhtlose Telegraphie m. b. H., Berlin, Germany. Duplex communication apparatus. 2,152,329; Mar. 28.
Schwartz, Erich, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf near Berlin, Germany. Wall coating for Braun tubes. 2,151,992; Mar. 28.
Scott, Albert B., assignor to S. C. K. Corporation, Los Angeles, Calif. Flashing switch. 2,152,216; Mar. 28.
Scott, Leland L., Kansas City, Mo. Automatic safety device for internal combustion engines. 2,152,287; Mar. 28.
Scovel, Raleigh. (See Phillips, W. J., and Scovel.)
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Seal bearing. 2,152,444; Mar. 28.
Sears, Edward F., Seattle, Wash. Ball ejector. 2,151,993; Mar. 28.
Seelye, Howard P. (See Shoemaker, J. J., and Seelye.)
Self Changing Gramophones Limited. (See Bowyer-Lowe, Albert E., assignor.)
Senger, Werner I., assignor to Gisholt Machine Company, Madison, Wis. Machine tool transmission and control. 2,151,808; Mar. 28.
Senger, Werner I., assignor to Gisholt Machine Company, Madison, Wis. Machine tool. 2,151,873; Mar. 28.
Seybold, Frederick W., Westfield, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Sheet delivery mechanism for printing presses or the like. 2,152,288; Mar. 28.
Seyfried, Warren R., Tampa, Fla. Recovering values from phosphate rock. 2,152,364; Mar. 28.
Shackelford, Samuel E. (See Meyer, G. W., and Shackelford.)
Shafer, Alvin O., assignor to Rikerd Lumber Company, Lansing, Mich. Automatic wrapping machine. 2,152,330; Mar. 28.
Shardlow, Lawrence R., Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Stem for electron discharge devices. 2,151,809; Mar. 28.
Shaw, Thomas, Cranston, R. I. Box hand truck. 2,152,217; Mar. 28.
Shell Development Company. (See Ruys, Jan D., assignor.)
Shell Development Company. (See Tulleners, Anton J., assignor.)
Shell Development Company. (See van Peski, A. J., and Hoeffelman, assignors.)
Shell Development Company. (See van Peski, A. J., and Tulleners, assignors.)
Shell Development Company. (See Yabroff, David L., assignor.)
Shoemaker, Joseph J., Pleasant Ridge, and H. P. Seelye, Royal Oak, Mich., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Distribution system. 2,152,445; Mar. 28.
Shoemaker, Richard W., Woodbury, assignor to Chase Brass & Cooper Co. Incorporated, Waterbury, Conn. Helical-fin heat-exchange unit and production. 2,152,331; Mar. 28.
Siecant Packing Company. (See Sievers, William, assignor.)

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Köster, Paul E., assignor.)
Siemens-Halske, Aktiengesellschaft. (See Steiner, Otto, assignor.)
Siemens, Rudolph H., Richmond Hill, N. Y., assignor to Radio Corporation of America. Superheterodyne receiver. 2,151,810; Mar. 28.
Siemens und Halske Aktiengesellschaft. (See Baesecke, M., and Bauer, assignors.)
Sievers, William, Oradell, N. J., assignor to Slecant Packing Company, Inc., New York, N. Y. Fruit opening machine. 2,151,943; Mar. 28.
Simmons, Harry M., and H. C. Ruen, assignors to Cleaners Hanger Company, Detroit, Mich. Garment hanger. 2,152,156; Mar. 28.
Simon, I. A. (See Briggs, Merton B., assignor.)
Simon, I. A. (See Hedrick, G. H., Myers, and Stark, assignors.)
Simons, Leon, Bronx, assignor to Master Wire Die Corp., New York, N. Y. Making wire drawing dies and other articles. 2,151,874; Mar. 28.
Sinclair, Harold. (See Basebe, A. C., and Sinclair.)
Sittler, Edwin C., and R. S. Gaugler, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,152,157; Mar. 28.
Skoog, Bernard, Grand Marais, Minn. Vehicle stake. 2,152,421; Mar. 28.
Slager, John C. (See Meeker, D. A., and Slager.)
Slater, Clarence, Lewisville, Tex. Cotton stalk cutter. 2,152,158; Mar. 28.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,152,289; Mar. 28.
Smidth, F. L., & Company. (See Ahlmann, Nikolai, assignor.)
Smit, Willem, & Co's Transformatorenfabriek. (See Schoenmaker, Pieter, assignor.)
Smith, Alfred R., Forest Hills, assignor to Combustion Engineering Company, Inc., New York, N. Y. Drying apparatus. 2,152,367; Mar. 28.
Smith, Clyde, Hopkinsville, Ky., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Automatic stock quotation board. 2,151,994; Mar. 28.
Smith, Douglas G. (See Mitchell, Harry R., assignor.)
Smith, Emmett R., Sunray, E. J. Redd, Dalhart, and O. L. Smith, Sunray, Tex. Tire pressure indicating device. 2,152,159; Mar. 28.
Smith, Forrest E., Chicago, Ill. Hammer for impact pulverizers. 2,152,332; Mar. 28.
Smith, Howard P., Olympia, Wash. Fruit display stand. 2,152,219; Mar. 28.
Smith, James M., assignor to The Technical Development Corporation, Detroit, Mich. Structure for electrically curing or hardening moist work pieces. 2,152,365; Mar. 28.
Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Shoe press. 2,152,366; Mar. 28.
Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Shoe press. 2,152,389; Mar. 28.
Smith, Walter F., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Coloring rubber. 2,152,218; Mar. 28.
Smith, Nelson J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,151,995; Mar. 28.
Smith, Newell R., Bloomfield, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,151,811; Mar. 28.
Smith, Oscar L. (See Smith, Emmett, R., O. L., and Redd.)
Smyth Manufacturing Company, The. (See Davis, Robert A., assignor.)
Smyth Manufacturing Company, The. (See Schramm, Carl, assignor.)
Snavely, Clarence S., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote controlling apparatus. 2,152,390; Mar. 28.
Society of Chemical Industry in Basle. (See Grenacher, C., Salmann, and Johner, assignors.)
Sohn, Ernst. (See Pflügner, H., and Sohn.)
Solar Manufacturing Corporation. (See Schnoll, N., and Appleton, assignors.)
Soler, Jesus. (See Masip, J., Gandon, and Soler.)
Solomon, Guillaume J., Paris, France. Drilling bucket hammer. 2,152,220; Mar. 28.
Solvay Process Company, The. (See Moyer, Wendell W., assignor.)
Sonneborn, L., Sons, Inc. (See Moscowitz, Abraham, assignor.)
Sosa, Augustus M., assignor to Vulcan Corporation, Portsmouth, Ohio. Turning wood heels. 2,151,875; Mar. 28.
Spaeth, Phil D., et al. (See Bezzenberger, Frederick K., assignor.)
Spaeth, Phil D., et al. (See Brown, W. H., and Kletz.)
Spahn, Charles A., assignor to The Orthodontists Supply Co. Inc., Newark, N. Y. Dental appliance. 2,152,391; Mar. 28.
Spahn, Emil, Zug, Switzerland, assignor to Landis & Gyr, A-G. Self-starting synchronous motor. 2,151,996; Mar. 28.
Speke, Frank C. (See Godwin, H. F., and Speke.)
Spector, Isaac. (See Green, S., Spector, and Leese.)
Sperry Gyroscope Company. (See Fisk, Albert S., assignor.)
Sperry Gyroscope Company. (See Walter, Hollis, assignor.)
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Spitzglass, Albert F., and O. T. Handwerk, assignors to Republic Flow Meters Company, Chicago, Ill. Recording instrument. 2,152,333; Mar. 28.
Splittstoesser, Albert H., Kulm, N. Dak. Agricultural implement attachment. 2,152,290; Mar. 28.
Springer, Alfred J., and C. B. McMillan, Oklahoma City, Okla. Radio antenna for motor vehicles. 2,151,997; Mar. 28.
Stacey, Valentine W. (See Stuart, J. K., Stacey, and Wylie.)
Standard Process Corporation. (See Ericksson, Emil, assignor.)
Standard Process Corporation. (See Henderson, Charles L., assignor.)
Standard Railway Equipment Manufacturing Company. (See Thompson, William D., assignor.)
Standard Stoker Company, The. (See Turner, Edwin A., assignor.)
Standard Transformer Company, The. (See Haig, Lealdas W., assignor.)
Stansbury, Carroll, Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric welder and other circuits. 2,152,608; Mar. 28.
Stark, Rawson E. (See Hedrick, G. H., Myers, and Stark.)
Starr, Raymond H., C. Masters, and C. K. Litman, Kansas City, assignors to Koch Butchers' Supply Company, North Kansas City, Mo. Refrigerated case. 2,152,291; Mar. 28.
Stecher, Henry D., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Fitting and making same. 2,152,102; Mar. 28.
Steel Heddle Manufacturing Company. (See Hassold, Victor C., assignor.)
Steel Heddle Manufacturing Company. (See Kaufmann, Frank H., assignor.)
Steiner, Otto, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Film feeding device. 2,152,221; Mar. 28.
Steinberz, Desider, Great Neck, N. Y. Aqueous wood preserving liquid. 2,152,160; Mar. 28.
Stelzer, William, Detroit, Mich. Steering booster. 2,151,998; Mar. 28.
Stember, Ferne, East Orange, N. J. Container. 2,155,999; Mar. 28.
Stevens, John W., assignor to Eimco Corporation, Salt Lake City, Utah. Agitator. 2,151,944; Mar. 28.
Stevenson, Milton S., Larchmont, N. Y., and R. Wells, Bridgeboro, N. J.; said Stevenson assignor to Remington Rand Inc., Buffalo, N. Y., and said Wells assignor to Kieckhefer Container Company, Delair, N. J. Knock-down desk. 2,152,609; Mar. 28.
Stieglitz, Henry M. (See Adam, F. B., and Stieglitz.)
Stoesser, Sylvia M. (See Grebe, J. J., and Stoesser.)
Stone, Harry L., New York, N. Y. Window blind. 2,152,000; Mar. 28.
Strachan, Herbert. (See Wininger, Bert P., assignor.)
Stratton, Frank E. (See Kennison, F., and Stratton.)
Strauss, Frida, nee Ruppel. (See Ruppel, Sigwart, assignor.)
Striegel, Harold L. (See Gustafsson, E., and Striegel.)
Stuart, James K., Somarton, V. W. Stacey, Henley Beach, and T. A. Wyle, Ridleyton, South Australia, Australia, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Reversible seat and squab. 2,152,505; Mar. 28.
Studley, Charles W., assignor to Liberty Glass Co., Sapulpa, Okla. Glass forming machine. 2,152,103; Mar. 28.
Studley, Gerard L., Walpole, assignor to Bird & Son, Inc., East Walpole, Mass. Heavy duty fiberboard keg. 2,152,610; Mar. 28.
Stupell, Leo K. (See Knight, Arthur, assignor.)
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sturtevant, B. F., Company. (See Anderson, S. M., and Palmer, assignors.)
Sturtevant, B. F., Company. (See Bartlett, Amos C., assignor.)
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sulzer Frères, Société Anonyme. (See Brunner, Adolf, assignor.)
Sulzer, Gebruder, Aktiengesellschaft. (See Heftl, Ernst, assignor.)
Superheater Company, The. (See Armacost, Wilbur H., assignor.)
Swartz, Carl E., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Making composite metallic elements. 2,152,611; Mar. 28.
Swett, Earl W., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Saddle for cycles. 2,152,572; Mar. 28.

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Sypher, Milford G., Jersey City, assignor to Plastic Inlays, Inc., Summit, N. J. Inlaid article and inlaying. 2,152,161; Mar. 28.
Szekely Company, The. (See Szekely, Otto E., assignor.)
Szekely, Otto E., Elmira, N. Y., assignor to The Szekely Company, Inc. Torque and speed transmission device. 2,151,722; Mar. 28.
Szekeley, Otto E., Baltimore, Md., assignor to The Szekely Company, Inc. Variable ratio power transmission. 2,152,622; Mar. 28.
Svenska Ackumulator Aktiebolaget Junger. (See Rydberg, Gustav G. H., assignor.)
Sweet, Irving E. (See Thibeault, G. A., Visotski, Carlson, and Sweet.)
Symonds, James E., Mount Vernon, N. Y. Phenolic resins. 2,151,945; Mar. 28.
Symonds, James E., Mount Vernon, N. Y. Cast phenolic resins. 2,151,946; Mar. 28.
Taber, William T. (See Haas, P., and Taber.)
Tabern, Donalee L. (See Volwiler, E. H., and Tabern.)
Taliaferro, William R., Pittsburgh, and R. R. Longwell, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing system for circuit breakers. 2,151,812; Mar. 28.
Talking Advertising Corporation. (See Weis, D. A., and Woolf, assignors.)
Tatter, John W., Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Brake device. 2,152,104; Mar. 28.
Tatter, John W., Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,152,105; Mar. 28.
Taub, Ludwig. (See Hahl, H., Taub, and Leuchs.)
Taylor, Henry G. (See Wengel, R. W., and Taylor.)
Taylor, William I., and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Effecting intermittent treatment of running yarns and the like. 2,152,222; Mar. 28.
Teague, Walter D., Jr., Forest Hills, N. Y., assignor to The Crosley Corporation, Cincinnati, Ohio. Dial construction. 2,152,106; Mar. 28.
Tear, Harry R., Des Moines, Iowa, assignor to The Lubrication Corporation, Chicago, Ill. Lublicating device. 2,152,334; Mar. 28.
Tebo, William A., Anthony, R. I. Shuttle. 2,152,223; Mar. 28.
Technical Development Corporation, The. (See Smith, James M., assignor.)
Technicolor Motion Picture Corporation. (See Whittaker, Lloyed E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, K., and Runge, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollman, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, M., and Urtel, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Michelssen, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schlissler, Karl, assignor.)
Teletype Corporation. (See Zenner, Walter J., assignor.)
Tellegan, Bernardus D. H., Eindhoven, Netherlands, assignor to Radio Corporation of America. Band filter circuits. 2,151,813; Mar. 28.
Tellegen, Bernardus D. H., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Superheterodyne receiving circuits. 2,151,814; Mar. 28.
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Collapsible tube and cap therefor. 2,152,001; Mar. 28.
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Melting pot. 2,152,446; Mar. 28.
Tennison, Alfred J. (See Brown, Westgarth S. F., and Tennison.)
Ternstedt Manufacturing Company. (See Kegler, Harold L., assignor.)
Textile Specialty Corporation. (See Weber, Max, assignor.)
Thibeault, George A., Hartford, W. Visotski, Wilson, and R. Carlson and I. E. Sweet, Rockville, Conn. Combination furniture. 2,152,002; Mar. 28.
Thomas, Richard, Los Angeles, Calif. Multiple image optical system. 2,152,224; Mar. 28.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Can handling apparatus. 2,152,107; Mar. 28.
Thompson, William D., Birmingham, Mich., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Condensation-proof car construction. 2,152,617; Mar. 28.
Thorn, Percy M., New Rochelle, N. Y. Closure for receptacles. 2,152,225; Mar. 28.
Thorne, Maurice A., Lansing, assignor to General Motors Corporation, Detroit, Mich. Steering linkage. 2,152,506; Mar. 28.
Tice, Reuben S., Monterey, Calif. Ore-breaking device. 2,152,108; Mar. 28.
Tischer, Anna M. (See Tischer, Frank V., assignor.)
Tischer, Frank V., deceased, Dayton, Ohio; A. M. Tischer, executrix, assignor to A. M. Tischer. Covered roller. 2,152,612; Mar. 28.
Toastolator Company. (See Goddard, Alvin C., assignor.)
Todd, Francis B., Attala, Ala. Garment Hanger machine. 2,152,109; Mar. 28.
Tokheim, John J., Cedar Rapids, Iowa. Safety device for volatile liquid storage tanks. 2,152,422; Mar. 28.
Tomasetta, Giuseppe, Bronx, N. Y. Parachute opening means. 2,151,815; Mar. 28.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,152,392; Mar. 28.
Töpper, Ernst, Berlin-Neukolln, Germany, assignor of one-half to W. H. Martin, London, England. Diving suit valve. 2,152,110; Mar. 28.
Töpper, Ernst, Berlin-Neukolln, Germany, assignor of one-half to W. H. Martin, London, England. Air feed for diving suits. 2,152,111; Mar. 28.
Tornberg, Torsten H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oscillating fan. 2,152,112; Mar. 28.
Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Conditioning tobacco. 2,151,947; Mar. 28.
Trainor, William M., New York, N. Y. Delineating multicolored designs on fabric. 2,152,507; Mar. 28.
Tratsch, Walter A., and W. Patzer, Chicago, Ill. Coin chute. 2,151,823; Mar. 28.
Trevor, Bertram, and R. W. George, Riverhead, N. Y., assignor to Radio Corporation of America. Short wave system. 2,152,335; Mar. 28.
Trinkle, Leonard E., Terre Haute, Ind. Tooth restoration and anchorage and process of forming same. 2,151,723; Mar. 28.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Tropic-Aire, Incorporated. (See Will, Carl H., assignor.)
Trout, Glen H. (See Bannerman, G. H., Curran, and Trout.)
Trout, Walter C., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Bearing hold-up and hold-down. 2,152,508; Mar. 28.
Troxler, Bernhart, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Method in the preparation of progressive-burning smokeless powder. 2,152,509; Mar. 28.
Trucktor Corporation, The. (See Farris, Clayton, assignor.)
Tulleners, Anton J. (See van Peski, A. J., and Tulleners.)
Tulleners, Anton J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Purification of aqueous solutions of aliphatic esters of polybasic inorganic acids. 2,152,162; Mar. 28.
Tulleners, Anton J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Purification of salts of aliphatic acid esters of polybasic inorganic acids. 2,152,163; Mar. 28.
Turner, Charles H., Statesville, N. C. Feeding mechanism for threshers. 2,152,393; Mar. 28.
Turner, Edward T., Dayton, Ohio. Apparatus for effecting refrigeration. 2,151,948; Mar. 28.
Turner, Edward T., Dayton, Ohio. Method and apparatus for converting heat energy into mechanical energy. 2,151,949; Mar. 28.
Turner, Edward T., Dayton, Ohio. Automobile. 2,152,573; Mar. 28.
Turner, Edward T., Dayton, Ohio. Air conditioning apparatus. 2,152,574; Mar. 28.
Turner, Edwin A., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 2,152,510; Mar. 28.
Tyler, Tracy B., Detroit, Mich., assignor to The Monopower Corporation. Transmission. 2,151,950; Mar. 28.
U S L Battery Corporation. (See Cantoni, Humbert, assignor.)
Union Carbide and Carbon Corporation. (See Domizi, Dario, assignor.)
Union Carbide and Carbon Corporation. (See Graubner, Herman G., assignor.)
Union Carbide and Carbon Research Laboratories, Inc. (See Jones, Lloyd T., assignor.)
Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)
Union Carbide and Carbon Corporation. (See Rowland, W. B., and Linden, assignors.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company. (See Snavely, Clarence S., assignor.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United-Carr Fastener Corporation. (See Pender, Lloyd G., assignor.)
United Engineering & Foundry Company. (See Biggert, Florence C., Jr., assignor.)
United Engineering & Foundry Company. (See Messinger, William, assignor.)
United Shoe Machinery Corporation. (See Kennison, F., and Stratton, assignors.)

United Shoe Machinery Corporation. (See Laird, Renfrew D., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Newhall, Herbert B., assignor.)
United States Gauge Company. (See Klein, M., and Willach, assignors.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
University of Illinois, Board of Trustees of the. (See Arnold, Lloyd, assignor.)
Urbon, Mike, Brooklyn, N. Y. Garment. 2,152,575; Mar. 28.
Urtel, Rudolf. (See Knoll, M., and Urtel.)
Vanderpoel, Albert G. H., and K. W. S. Ostling, assignors to California Machinery & Supply Co. Ltd., Los Angeles, Calif. Engine deceleration and governor control. 2,152,226; Mar. 28.
Vanderwerf, Leonard H., New York, N. Y. Hydraulic steering mechanism for road trailers. 2,152,511; Mar. 28.
Van Lammeren, Willem P., Voorschoten, Netherlands. Hydraulic power transmission. 2,152,113; Mar. 28.
Van Loon, Carel J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Method and device for remote tuning of radio receiving apparatus. 2,152,336; Mar. 28.
Van Overbeek, Adrianus J. W. M. (See Löpp, E. H., and van Overbeek.)
Van Peski, Adrianus J., and J. M. Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Insecticide and fumigant. 2,152,003; Mar. 28.
Van Peski, Adrianus J., and A. J. Tulleners, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of alkyl ester salts. 2,152,292; Mar. 28.
Van Schoor, Marthinus C., Capetown, Union of South Africa. Container for the dispensing of predetermined quantities of powdered, granulated, or liquid materials therefrom. 2,152,004; Mar. 28.
Van Tongeren, Hermannus, Heemstede, Netherlands. Dust separator. 2,152,114; Mar. 28.
Van Tongeren, Hermannus, Heemstede, Netherlands. Dust collector. 2,152,115; Mar. 28.
Veeder, Curtis H., Hartford, Conn. Astronomical mirror. 2,152,394; Mar. 28.
Veit, Conrad, Detroit, Mich. Index device. 2,152,227; Mar. 28.
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Visotski, William. (See Thibeault, G. A., Visotski, Carlson, and Sweet.)
Vogel, Charles P., Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Mount for electron discharge devices. 2,151,816; Mar. 28.
Volk, Joseph A., Wilton, Conn. Enclosure. 2,152,368; Mar. 28.
Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. 1,5,5-alkyl-substituted barbituric acids. 2,152,512; Mar. 28.
Von Gruber, Otto, assignor to the firm Carl Zeiss, Jena, Germany. Apparatus for plotting the site plan for a landscape. 2,152,309; Mar. 28.
Von Reis, Lambert, Herzogenrath, Germany, assignor to Naamlooze Vennootschap Maatschappij tot Beheer en Exploitatie van Octrooien, The Hague, Netherlands. Production of fibers or threads from glass, slag, and the like meltable materials. 2,152,423; Mar. 28.
Vulcan Corporation. (See Sosa, Augustus M., assignor.)
Wacker, Fred G., et al. (See Zimmerman, Herman W., assignor.)
Wacker, Grace J., et al. (See Zimmerman, Herman W., assignor.)
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Venetian blind. 2,152,116; Mar. 28.
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Venetian blind. 2,152,117; Mar. 28.
Wadman, Harold A., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glassware. 2,151,876; Mar. 28.
Wagner, Frederick A., Oakland, Calif. Hydrostatic tool feed. 2,152,293; Mar. 28.
Walker, Clinton L., Piedmont, Calif. Display apparatus. 2,151,877; Mar. 28.
Walter, Claude L., and R. L. Blodgett, Portland, Oreg. Machine for unrooling, measuring, and rerolling yardage. 2,152,118; Mar. 28.
Walter, Hollis, Baldwin, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Engine starter. 2,152,005; Mar. 28.
Ward Products Corporation, The. (See Kopanski, Roman, assignor.)
Warr, Harold G., Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company. Rail retaining tie plate. 2,152,337; Mar. 28.
Warren, William H., San Francisco, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Electromagnetic recording system. 2,151,951; Mar. 28.
Warwick, Earl C., Glendale, Calif. Air conditioning mechanism. 2,152,294; Mar. 28.
Wassum, Walter W. (See Lieb, M. R., and Wassum.)
Wasum, Ludwig W., Germantown, assignor to The Kessler Chemical Corporation, Philadelphia, Pa. Lubricating textile fibers and the like and product. 2,151,952; Mar. 28.
Waters, Harry F., New York, N. Y. Electrical incandescent lamp for series connection. 2,152,228; Mar. 28.
Waters, Harry F., New York, N. Y. Overshoe. 2,152,229; Mar. 28.
Weatherby, Benjamin B., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Seismic surveying. 2,151,878; Mar. 28.
Weatherhead Company, The. (See Stecher, Henry D., assignor.)
Weaver, Max M., Oklahoma City, Okla. Parking meter. 2,152,577; Mar. 28.
Webb, John L., assignor to Holly-Pax, Inc., Los Angeles, Calif. Forming tampons. 2,152,230; Mar. 28.
Weber, Max, Brooklyn, assignor to Textile Specialty Corporation, New York, N. Y. Knitted fabric and making the same. 2,151,879; Mar. 28.
Weeks, Edward M. (See Weeks, Robert W., assignor.)
Weeks, Robert W., West Chester, Pa., assignor to E. W. Weeks, Washington, D. C. Power regulating system. 2,152,576; Mar. 28.
Weinaug, Emile. (See Onorato, P., and Weinaug.)
Weinberger, Jan, Chrastava, Czechoslovakia, assignor of twenty-five per cent to St. George Textile Corporation, New York, N. Y. Apparatus for producing additional draft in drawing frames. 2,152,295; Mar. 28.
Weinerth, George S., et al. (See Berstler, Carl E., assignor.)
Weis, David A., and W. L. Woolf, New York, N. Y., assignors to Talking Advertising Corporation. Advertising device. 2,152,296; Mar. 28.
Welch, Elmer B., assignor to Firth-Sterling Steel Company, McKeesport, Pa. Producing articles of Hadfield manganese steel. 2,152,006; Mar. 28.
Wells, Raymond. (See Stevenson, M. S., and Wells.)
Wengel, Raymond W., Rochester, N. Y., and H. G. Taylor, Wellesley, Mass. Friction clutch. 2,151,724; Mar. 28.
Wenschow, Karl, Munich, Germany. Production of plane photographs having plastic or relief effects. 2,151,817; Mar. 28.
Wentworth, John. (See Young, Hugh E., assignor.)
Wentworth, Theodore O., Cincinnati, Ohio. Distillation process. 2,152,164; Mar. 28.
Werner, Wilhelm. (See Wolff, P., and Werner.)
Wesson, Alexander J., assignor. (See Ellis, G. H., and Wesson, assignors.)
West Bend Aluminum Company. (See Kircher, Ralph N., assignor.)
West, Cutler D., Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Polarizing attachment for optical instruments such as microscopes. 2,152,513; Mar. 28.
West, William F., Pine Bluff, Ark. Logging truck standard. 2,152,578; Mar. 28.
Westenkirchner, Theresa, Toledo, Ohio. Kitchen sink. 2,151,818; Mar. 28.
Western Cartridge Company. (See Humeston, Frederick L., assignor.)
Western Electric Company. (See McCann, Paul S., assignor.)
Western Electric Company. (See McGuire, Lee R., assignor.)
Western Electric Company. (See Scott, T. R., and Menzies, assignors.)
Westinghouse Air Brake Company. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, E. E., and McNeal, assignors.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Electric Elevator Company. (See Bouton, E. M., Williams, and Santini, assignors.)
Westinghouse Electric Elevator Company. (See Williams, Harold W., assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., and Jones, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baker, John G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, J. H., and Harding, assignors.)
Westinghouse Electric & Manufacturing Company. (See Chladek, Wilhelm, assignor.)
Westinghouse Electric & Manufacturing Company. (See Clark, Earl K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cody, Clifford S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ellis, Stuart G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Etzrodt, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fletcher, A. L., and Hayford, assignors.)

Westinghouse Electric & Manufacturing Company. (See Gier, John R., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hitchcock, Richard C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodnet, J. K., and Forbes, assignor.)
Westinghouse Electric & Manufacturing Company. (See Holler, Homer D., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, William G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, R. E., and Brace, assignors.)
Westinghouse Electric & Manufacturing Company. (See Peters, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Roman, Adam, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaake, William, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shoemaker, J. J., and Seelye, assignors.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, W. R., and Longwell, assignors.)
Westinghouse Electric & Manufacturing Company. (See Tornberg, Torsten H., assignor.)
Wetmore, William O., Gulfport, Fla. Designoscope. 2,152,424; Mar. 28.
Wheeler, Charles S., Los Angeles, Calif., assignor to Controlair Manufacturing Co. Adjustable grille. 2,152,447; Mar. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Automatic fidelity control. 2,152,514; Mar. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Automatic signal interference control. 2,152,515; Mar. 28.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Amplifier system. 2,152,618; Mar. 28.
White, Clifford G., Cedar Rapids, Iowa. Pencil pointer. 2,152,395; Mar. 28.
White Metal Manufacturing Company. (See White, Raymond H., assignor.)
White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,152,119; Mar. 28.
White, Raymond H., East Orange, assignor to White Metal Manufacturing Company, Hoboken, N. J. Coating collapsible tubes. 2,152,516; Mar. 28.
White, Sidney Y., New York, N. Y., assignor to E. H. Loftin, as trustee. Electrical system. 2,152,448; Mar. 28.
Whitney, Kenneth E., Baltimore, and A. G. Decker, Towson, Md., assignors to the Black & Decker Manufacturing Company. Screw and bolt driving and nut running machine. 2,152,517; Mar. 28.
Whittaker, Lloyed E., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Film magazine. 2,152,369; Mar. 28.
Whittington, Ralph S., Springfield, Mass., assignor to Bendix Products Corporation, South Bend, Ind. Automatic control of clutch and throttle actuation of automotive vehicles. 2,152,120; Mar. 28.
Whittington, Ralph S., Springfield, Mass., assignor to Bendix Products Corporation, South Bend, Ind. Automatic control of clutch and throttle actuation of an automotive vehicle. 2,152,121; Mar. 28.
Whittlesey, Willis S., Litchfield, Conn., assignor to Miller-Craven, Inc., New York, N. Y. Check book. 2,152,449; Mar. 28.
Whyte, Daniel D. (See Kayn, S. F., and Whyte.)
Wiederkehr, Hans, Wohlen, assignor to the Firm Fischer & Süffert, Basel, Switzerland. Veneering press. 2,151,880; Mar. 28.
Wiken, Ralph. (See Schmitter, W. P., and Wiken.)
Wilcox, Albert C., Massillon, Ohio, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa. Automatic electric cooking utensil. 2,152,122; Mar. 28.
Will, Carl H., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Windshield defroster. 2,152,338; Mar. 28.
Willach, Bernhard. (See Klein, M., and Willach.)
Willard Storage Battery Company. (See Lockwood, Harry B., assignor.)
Williams, Allison R., Yazoo City, Miss. Automatic vehicle control system. 2,152,123; Mar. 28.
Williams, Harold W. (See Bouton, E. M., Williams, and Santini.)
Williams, Harold W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,151,820; Mar. 28.
Williams, Harold W., and R. W. Jones, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator control system. 2,151,819; Mar. 28.
Williams, Robert C., assignor to The Ironsides Company, Columbus, Ohio. Wire drawing lubricant and method. 2,152,396; Mar. 28.
Williamson, Charles O. (See Eisenbeis, W. J., and Williamson.)
Wilmanns, Gustav. (See Birr, E. J., Fricke, and Wilmanns.)
Wilson, George R., assignor to Lumasyne, Inc., Washington, D. C. Sheet metal stock for paneling and other purposes. 2,152,297; Mar. 28.
Wilson, Ira G., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 2,151,821; Mar. 28.
Wilson, John H., Wichita Falls, Tex. Drilling rig transmission. 2,151,881; Mar. 28.
Wilson, John H., North Platte, Nebr. Automotive traveling sprinkler. 2,152,425; Mar. 28.
Wilson, John H., North Platte, Nebr. Toilet paper holder. 2,152,426; Mar. 28.
Wilson-Jones Company. (See Dawson, George H., assignor.)
Wilson, Tom, Lake Village, Ark. Sheet metal apparatus. 2,152,165; Mar. 28.
Winchester, Armistead C., Hollywood, Calif., assignor to RKO Studios, Inc. Film marking device. 2,151,822; Mar. 28.
Wininger, Bert P., Duncan, assignor of forty per cent to H. Strachan, Stephens County, Okla. Connector for bailers and sand pumps. 2,152,298; Mar. 28.
Winkeler, Hermann, Ludwigshafen-on-the-Rhine, and E. Fisher, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and their production. 2,152,007; Mar. 28.
Winkler, Albert H., assignor to Bendix Products Corporation, South Bend, Ind. Engine starting mechanism. 2,152,124; Mar. 28.
Wintermute, Harry A. (See Meston, A. F., and Wintermute.)
Witherow, William P. (See Henderson, Albert, assignor.)
Wolf, Hermann, Kobienz-on-the-Rhine, Germany. Stabilizing device. 2,152,427; Mar. 28.
Wolff, Otto E., Arlington, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del. Motion translating mechanism. 2,152,518; Mar. 28.
Wolff, Paul, and W. Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acid indolephenylmethane dyestuffs. 2,152,613; Mar. 28.
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Woodhead, Daniel, Barrington, Ill. Electric connector. 2,151,882; Mar. 28.
Woodruff, Alfred H. (See Taylor, W. I., and Woodruff.)
Woolf, William L. (See Weis, D. A., and Woolf.)
Woollard, Frank G., assignor to The Birmingham Aluminum Casting (1903) Company Limited, Smethwick, near Birmingham, England. Hand steering wheel. 2,152,370; Mar. 28.
Woolley, Clarence M., assignor to American Radiator Company, New York, N. Y. Air circulating attachment for heating radiators. 2,151,725; Mar. 28.
Wulle, William A., assignor to The Pyle-National Company, Chicago, Ill. Automatic unlocking separable connector. 2,152,125; Mar. 28.
Wurton Machine Company. (See Touton, Rush D., assignor.)
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of pentaerythritol. 2,152,371; Mar. 28.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Nitrated pentaerythritol mother-liquor. 2,152,372; Mar. 28.
Wylie, Thomas A. (See Stuart, J. K., Stacey, and Wylie.)
Yaneson, Michael, Newark, N. J. Lock screw device. 2,152,231; Mar. 28.
Yabroff, David L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Separating mercaptans contained in a hydrocarbon distillate. 2,152,166; Mar. 28.
Yarbrough, Harold C., Brea, Calif., assignor, be mesne assignments, to Baash-Ross Tool Company. Casing perforator. 2,152,008; Mar. 28.
Young, Hugh E., assignor to J. Wentworth, Chicago, Ill. Heating device. 2,152,126; Mar. 28.
Younger, Alexander R., Edgware, England. Ventilating device. 2,152,614; Mar. 28.
Z-Flex Piston Ring Corporation, The. (See Zahodiakin, Victor F., assignor.)
Zahodiakin, Victor F., Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation. Making piston rings. 2,152,127; Mar. 28.
Zahodiakin, Victor F., New York, N. Y. Making piston rings. 2,152,128; Mar. 28.
Zauner, Harry C., Dayton, Ohio. Molding device. 2,152,009; Mar. 28.
Zeh, Walter, Wolfen, Kreis Bitterfeld, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Pentamethine-omega-aldehydes of heterocyclic bases. 2,152,615; Mar. 28.
Zeiss, Carl. (See von Gruber, Otto, assignor.)
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Station selection. 2,152,010; Mar. 28.
Zerweck, Werner. (See Manz, G., Zerweck, and Kunze.)
Zier, Robert H., Washington, D. C. (Coasting skate. 2,152,011; Mar. 28.
Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to F. G. and G. J. Wacker, Lake Forest, Ill. Torque measuring wrench. 2,151,953; Mar. 28.
Zotos Corporation. (See Evans, R. L., and McDonough, assignors.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Feeder, Displacement glass. P. Kucera. Re. 21,037; Mar. 28.

Floor covering. R. G. Jackson. Re. 21,036; Mar. 28.

Gear, Hydraulic transmission. H. Föttinger. Re. 21,035; Mar. 28.

Grinding. J. V. Slade. Re. 21,039; Mar. 28.

Switch, Magnetic. O. J. Leins. Re. 21,038; Mar. 28.

LIST OF PLANT INVENTIONS

Dahlia. R. Y. Kimura. 322; Mar. 28.

Peach tree. W. M. Perry. 320; Mar. 28.

Rose. J. Gaujard. 321; Mar. 28.

LIST OF DESIGN INVENTIONS

Ashtray, cigarette support, and snubber, Combined. R. R. Hutcheson. 113,967; Mar. 28.

Automobile. H. E. Merillat. 114,029; Mar. 28.

Bedspread. H. A. Lawson. 113,992; Mar. 28.

Block, Building. A. H. Stamm and H. S. Barton. 113,987; Mar. 28.

Bottle. R. A. Blunt. 114,004–9; Mar. 28.

Bottle. L. B. Krick. 114,025; Mar. 28.

Bottle. W. J. Latchford, Jr. 114,026; Mar. 28.

Bottle, Milk. A. Bramhall. 114,011; Mar. 28.

Bowling alley pin setter. F. Birren. 113,960; Mar. 28.

Cabinet, Vending machine. L. Blazey. 113,961; Mar. 28.

Carrier, Bottle. D. K. Washburn. 114,034; Mar. 28.

Casing or the like, Vending machine. L. Steiner. 113,999–4,000; Mar. 28.

Checker board. C. H. Brown. 113,963; Mar. 28.

Cigarette dispenser. J. E. Gould. 114,017; Mar. 28.

Clasp, Garment. H. C. Vaisey. 114,050; Mar. 28.

Cleaner, Vacuum. L. J. F. Ell. 113,985; Mar. 28.

Clip or similar article. J. Toussaint. 113,979–81; Mar. 28.

Coat. M. Bauman. 114,010; Mar. 28.

Coat. S. Zimmerman. 114,052; Mar. 28.

Comfortable. L. Goodstein. 113,987; Mar. 28.

Compact. G. Rosenberg. 113,995–6; Mar. 28.

Cross. H. H. Farrington. 114,015; Mar. 28.

Desk unit, Combination. C. G. Gregory. 113,966; Mar. 28.

Dish or similar article, Soap. R. S. Sanford. 113,997; Mar. 28.

Doll. M. I. Faulkner. 113,965; Mar. 28.

Door for a domestic water heater or the like. C. H. Morrow. 113,993; Mar. 28.

Dress. E. Jocell. 114,041; Mar. 28.

Dress. M. Massow. 114,042; Mar. 28.

Dress. D. W. Price. 114,032; Mar. 28.

Dress. D. Schwartz. 114,045; Mar. 28.

Dress ensemble. G. Constantine. 114,038; Mar. 28.

Dress ensemble. S. Etkin. 114,039; Mar. 28.

Dress ensemble. S. E. Frontman. 114,040; Mar. 28.

Dress ensemble. A. H. Schwartz. 114,044; Mar. 28.

Dress, Ensemble. S. Weill. 114,036–7; Mar. 28.

Dress, House. E. W. Turner. 114,048; Mar. 28.

Eraser and pencil tip, Combined. D. B. Shannon. 113,977; Mar. 28.

Fabric, Embroidered textile. H. Tobler. 114,001–3; Mar. 28.

Fabric or similar article, Textile. M. Turpan. 114,049; Mar. 28.

Fabric, Textile. R. Flatow. 113,986; Mar. 28.

Fabric, Textile. J. Horowitz. 113,989; Mar. 28.

Fabric, Textile. W. Ross. 114,043; Mar. 28.

Fabric, Textile. J. C. Shapiro. 114,046; Mar. 28.

Fabric, Textile. W. Simpson. 114,047; Mar. 28.

Fastener and mesh cover therefor, Combination slide. R. Kay. 114,022–23; Mar. 28.

Faucet, Beverage dispensing. F. C. Picut. 113,994; Mar. 28.

Glove. M. Dunton. 114,014; Mar. 28.

Handbag frame, Lady's. G. Rosenberg. 114,033; Mar. 28.

Handle, Vehicle door. L. E. Clinker. 114,012; Mar. 28.

Heater, Electrically operated bean. H. E. Lacy. 113,990; Mar. 28.

Illuminator and plate, Combined house number. M. Wishny and F. C. Gray. 113,983; Mar. 28.

Jacket. R. Karplus. 114,019–21; Mar. 28.

Lamp. A. Hassen and M. Meyers. 113,988; Mar. 28.

Lamp, Adjustable. M. E. Kraft. 114,024; Mar. 28.

Leather. M. Winkel. 114,051; Mar. 28.

Lighting fixture. E. B. Kirk. 113,971; Mar. 28.

Link, Brace top. D. T. Manning. 113,974; Mar. 28.

Mask, Inhalation. W. M. Boothby, A. H. Bulbulian, and W. R. Lovelace. 113,984; Mar. 28.

Medallion or the like. S. Meisel. 113,975; Mar. 28.

Overall ensemble. W. Friedman. 114,016; Mar. 28.

Overshoe. B. B. Craver. 113,964; Mar. 28.

Overshoe. H. C. Watson. 114,035; Mar. 28.

Pin-clip. J. H. Leff. 114,027–28; Mar. 28.

Purse, Change. D. J. Nash. 114,030; Mar. 28.

Receiver, Ash. J. D'Amaro. 114,013; Mar. 28.

Reel, Yarn. J. D. O'Neill and A. H. Sullivan. 114,031; Mar. 28.

Ring. J. Brophy. 113,962; Mar. 28.

Ring, Finger. W. Ayres. 113,959; Mar. 28.

Shoe. D. Levin. 113,973; Mar. 28.

Shoe or similar article. M. Planco. 113,976; Mar. 28.

Slipper. R. Kaminsky. 113,968; Mar. 28.

Slipper. H. Karmiel. 113,969–70; Mar. 28.

Stove and lamp, Combination. J. O. Steele. 113,998; Mar. 28.

Supporter, Garment. F. M. Griffith. 114,018; Mar. 28.

Table, Billiard. W. C. Lawson. 113,972; Mar. 28.

Timer and case, Combined sandglass. J. M. Weiss. 113,892; Mar. 28.

Toy or similar article. G. La Forge. 113,991; Mar. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF MARCH, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and manufacturing the same. F. J. Tone. 2,152,392; Mar. 28.

Absorption refrigerating apparatus. R. S. Nelson. 2,152,269; Mar. 28.

Acceleration and deceleration control. J. W. Logan, Jr. 2,151,924; Mar. 28.

Acceleration and deceleration control equipment. J. W. Logan, Jr. 2,151,925; Mar. 28.

Acid addition compounds of higher fatty acid amides. E. A. Mauersberger. 2,151,788; Mar. 28.

Acids, 1,5,5-alkyl-substituted barbituric. E. H. Volwiler and D. L. Tabern. 2,152,512; Mar. 28.

Adding and calculating machine. L. M. Llorens. 2,152,320; Mar. 28.

Addressing machine. H. P. Elliott. 2,152,179; Mar. 28.

Advertising device. D. A. Weis and W. L. Woolfe. 2,152,296; Mar. 28.

Advertising novelty. G. Arndt. 2,152,299; Mar. 28.

Agitator. J. W. Stevens. 2,151,944; Mar. 28.

Agricultural implement. A. B. Ingram. 2,151,918; Mar. 28.

Agricultural implement attachment. A. H. Splittstoesser. 2,152,290; Mar. 28.

Air circulating attachment for heating radiators. C. M. Woolley. 2,151,725; Mar. 28.

Air conditioning apparatus. N. H. Gay. 2,152,251; Mar. 28.

Air conditioning apparatus. E. T. Turner. 2,152,574; Mar. 28.

Air conditioning mechanism. E. C. Warwick. 2,152,294; Mar. 28.

Air conditioning system. S. M. Anderson and R. T. Palmer. 2,152,130; Mar. 28.

Air conditioning system utilizing refrigeration. S. M. Anderson. 2,152,129; Mar. 28.

Aircraft. G. Minelli. 2,152,144; Mar. 28.

Aircraft construction. T. H. Jenkins. 2,152,053; Mar. 28.

Aircraft, Rotative winged. H. S. Campbell. 2,151,687; Mar. 28.

Air feed for diving suits. E. Topper. 2,152,111; Mar. 28.

Air for breathing, Purifying. M. L. Myers and E. J. Morris. 2,151,792; Mar. 28.

Airplane wing construction. R. W. Cone. 2,152,029; Mar. 28.

Alarm system. F. G. Collins. 2,152,535; Mar. 28.

Altitude determining system for aircraft. E. S. Purington. 2,152,325; Mar. 28.

Amides and their preparation, Acetoacetyl. A. B. Boese, Jr. 2,152,132; Mar. 28.

Amplifier system. R. H. George and H. J. Heim. 2,151,757; Mar. 28.

Amplifier system. H. A. Wheeler. 2,152,618; Mar. 28.

Amusement apparatus. B. E. Mills. 2,152,598; Mar. 28.

Anionic exchanges in solutions, Effecting. B. A. Adams and E. L. Holmes. 2,151,883; Mar. 28.

Antenna. R. Kopanski. 2,152,316; Mar. 28.

Anthraquinones, Preparation of di(arylamino). W. A. Herrett. 2,152,191; Mar. 28.

Antigen, Pregnancy. B. Gruskin. 2,151,697; Mar. 28.

Apparatus for surface hardening the teeth of double helical gears. H. Holler. 2,151,971; Mar. 28.

Apron, Bib. H. McEldowney. 2,152,073; Mar. 28.

Arrangement to avoid condensation within cold insulations. H. Niemann. 2,151,713; Mar. 28.

Articles of clay, Apparatus for manufacturing porous. A. Nielsen. 2,151,932; Mar. 28.

Articles of Hadfield manganese steel, Producing. E. B. Welch. 2,152,006; Mar. 28.

Articles with a cell-like surface, Providing cast-iron. J. W. Howlett. 2,151,972; Mar. 28.

Assemblies, Apparatus for stitching. H. W. Faeber. 2,152,137; Mar. 28.

Automobile. E. T. Turner. 2,152,573; Mar. 28.

Automobile lock. S. P. Peterson. 2,152,565; Mar. 28.

Bait for animal traps. L. H. Fowler. 2,152,034; Mar. 28.

Balancing system. C. Dornier. 2,152,033; Mar. 28.

Ball and socket joint. E. Bugatti. 2,151,833; Mar. 28.

Ball ejector. E. F. Sears. 2,151,993; Mar. 28.

Band, Bottle closure sealing. A. B. Colby. 2,151,689–90; Mar. 28.

Base for color copying screens. F. Piller. 2,152,621; Mar. 28.

Basket, Fish. L. M. Dickson. 2,152,346; Mar. 28.

Basket for collective dishwashing, Tumbler. C. Barrie. 2,152,456; Mar. 28.

Bat for games such as table tennis. E. W. Burnard. 2,152,239; Mar. 28.

Bathtub fixture. H. Cave. 2,152,429; Mar. 28.

Battery plates, Apparatus for setting and drying. H. B. Lockwood. 2,152,554; Mar. 28.

Battery venting means, Storage. H. Cantoni. 2,152,240; Mar. 28.

Bearing: *See*—
Oilless bearing.
Radial antifriction bearing.
Seal bearing.

Bearing hold-up and hold-down. W. C. Trout. 2,152,508; Mar. 28.

Belt drive. W. M. Gettys. 2,152,038; Mar. 28.

Belt, Wire. N. S. Harter. 2,151,913; Mar. 28.

Billboard, Prefabricated. M. Rosner. 2,151,872; Mar. 28.

Bleaching, washing, cleansing, and rinsing agents. O. Lind. 2,152,520; Mar. 28.

Bleaching with organic bleaching agent. P. J. Carlisle. 2,152,532; Mar. 28.

Blind, Venitian. W. Wade and E. North. 2,152,116–17; Mar. 28.

Blind, Window. H. L. Stone. 2,152,000; Mar. 28.

Block: *See*—
Composite block.

Block press. G. J. Root and A. H. McCall. 2,152,569; Mar. 28.

Boat. E. Bugatti. 2,151,836; Mar. 28.

Boiler: *See*—
Pressure combustion boiler.
Superheater boiler.
Water tube boiler.

Bomb. J. P. Hulswit. 2,151,916; Mar. 28.

Books, Creasing the joints of. R. A. Davis. 2,151,957; Mar. 28.

Box: *See*—
Collapsible box.

Box strapping machine. R. E. Cruse. 2,151,956; Mar. 28.

Brake: *See*—
Friction brake.
Hand brake.
Hydraulic four-wheel brake.

Brake. J. C. Boetto. 2,152,022; Mar. 28.

Brake. W. Brauer. 2,151,892–3; Mar. 28.

Brake. R. A. Goepfrich. 2,152,040–1; Mar. 28.

Brake. L. E. La Brie. 2,152,066–7; Mar. 28.

Brake. H. S. Lamb. 2,152,489; Mar. 28.

Brake. W. B. Paine. 2,152,084; Mar. 28.

Brake. J. W. Tatter. 2,152,105; Mar. 28.

Brake adjuster, Automatic. M. H. Field. 2,152,544; Mar. 28.

Brake applying and equalizing mechanism. H. L. Rogers. 2,152,443; Mar. 28.

Brake applying and equalizing mechanism for universal rocking wheel vehicles. H. L. Rogers. 2,152,442; Mar. 28.

Brake device. J. W. Tatter. 2,152,104; Mar. 28.

Brake mechanism. E. E. Hewitt and D. L. McNeal. 2,152,257; Mar. 28.

Braking device. C. E. Scates. 2,152,570; Mar. 28.

Braking mechanism for railway car trucks. H. A. Moeller and C. L. Orr. 2,152,268; Mar. 28.

Braking system. T. A. Banning, Jr. 2,152,017; Mar. 28.

Braking system, Fluid pressure. H. C. Bowen. 2,152,345; Mar. 28.

Brick or block, Building. T. O. Raad. 2,151,798; Mar. 28.

Bridge construction. M. I. Lifschutz. 2,152,069; Mar. 28.

Broiler, Frankfurter. S. Nelson. 2,152,208; Mar. 28.

Brush. L. Palmeri. 2,152,358; Mar. 28.

Brush, Fountain. M. Ombrello. 2,152,272; Mar. 28.

Buckle. P. W. White. 2,152,119; Mar. 28.

Building construction. A. M. McLellan. 2,151,860; Mar. 28.

Building construction. A. C. Olsen. 2,152,418; Mar. 28.

Burner mechanism and igniting means, Gas stove. J. E. Browning. 2,152,531; Mar. 28.

Burner unit. R. Johnson. 2,151,973; Mar. 28.

Button, Collar. F. H. Rauh. 2,152,326; Mar. 28.

Cabinet: *See*—
Music cabinet.

Cable: *See*—
Ignition cable.

Cable terminal. W. S. Graff-Baker. 2,151,807; Mar. 28.

Cable terminal, Coaxial. T. R. Scott and T. E. D. Menzies. 2,152,504; Mar. 28.

Calculating device. L. E. Perry. 2,152,604; Mar. 28.

Calculating machine. A. B. Machado. 2,152,199; Mar. 28.

Cam motion transmitting devices. E. Bugatti. 2,151,832; Mar. 28.

Camera latch. J. B. Nelson. 2,152,081; Mar. 28.

Can handling apparatus. A. R. Thompson. 2,152,107; Mar. 28.

Capacitor, Electric. F. M. Clark. 2,152,465; Mar. 28.
Cap: *See*—
Hub cap.
Caps, Apparatus for testing the strength of molded bottle. G. G. Galpin and C. F. Schmidt. 2,152,541; Mar. 28.
Capsules by submerged filling action, Method and apparatus for making. R. P. Scherer. 2,152,101; Mar. 28.
Car construction, Condensation proof. W. D. Thompson. 2,152,617; Mar. 28.
Car ventilation, Closed. R. F. Dalton. 2,152,538; Mar. 28.
Carbonaceous materials and apparatus therefor, Distillation of solid. R. D. Hardy, C. Machen, and E. H. G. Aram. 2,151,849; Mar. 28.
Card case. J. Brunetti. 2,152,174; Mar. 28.
Cards, records, etc., Apparatus for registering, filing and extracting. C. P. Mercau. 2,151,929; Mar. 28.
Carriage for aircraft, Retractable under. G. H. Dowty. 2,152,539; Mar. 28.
Carton for radio tubes. C. M. Knaur. 2,152,549; Mar. 28.
Case: *See*—
Card case. Refrigerated case.
Case structure, Bottle. H. A. Carter. 2,151,896; Mar. 28.
Casing for turbines. J. N. Heiner. 2,151,699; Mar. 28.
Casket handle. B. F. Johnson. 2,152,483; Mar. 28.
Cathode for electron discharge devices. N. M. Rust and G. F. Brett. 2,151,803; Mar. 28.
Cellulose esters, Preparation of stable. C. J. Malm. 2,152,071; Mar. 28.
Chain. W. Blackmore. 2,151,731; Mar. 28.
Chains and links therefor, Making mining machine. F. L. Fulke. 2,152,139; Mar. 28.
Chair: *See*—
Folding chair.
Change-speed device. U. Pavesi. 2,151,714; Mar. 28.
Character transmitting system. H. Pflügner and E. Sohn. 2,151,936; Mar. 28.
Chaser for die heads. C. A. Reimschissel. 2,152,567; Mar. 28.
Check book. W. S. Whittlesey. 2,152,449; Mar. 28.
Chime. G. L. Bossard. 2,152,300; Mar. 28.
Choke control, Automatic. E. E. Moore. 2,152,078; Mar. 28.
Chuck clip. J. C. Crowley. 2,152,375; Mar. 28.
Chute, Coin. W. A. Tratsch and W. Patzer. 2,151,823; Mar. 28.
Cigarette holder. R. N. Kircher. 2,152,195; Mar. 28.
Cigarettes and other articles, Wrapping of. G. D. Horgan. 2,152,302; Mar. 28.
Cigarettes, Manufacture of. W. E. Molins. 2,152,416; Mar. 28.
Cinematographic projection apparatus. P. G. Gazes. 2,151,742; Mar. 28.
Circuit: *See*—
Electric circuit. Valve amplifying circuit.
Telegraph line circuit.
Circuit arrangement for protecting electric discharge apparatus systems. K. Etzrodt. 2,151,753; Mar. 28.
Circuit breaker, Electric. F. Petermichl. 2,152,497; Mar. 28.
Circuit breaker, Electric. S. Ruppel. 2,152,283; Mar. 28.
Circuits, Band filter. B. D. H. Tellegen. 2,151,813; Mar. 28.
Circuits, Electron tube. K. W. Jarvis and R. M. Blair. 2,151,771; Mar. 28.
Circuits, Interlocking. O. H. Schade. 2,152,328; Mar. 28.
Circuits, Superheterodyne receiving. B. D. H. Tellegen. 2,151,814; Mar. 28.
Circuits, Thermionic amplifier. W. S. Percival. 2,151,795; Mar. 28.
Clasp for garment supporters. J. R. Parker. 2,151,867; Mar. 28.
Clasp for hair ornaments. S. F. Kayn and D. D. Whyte. 2,152,313; Mar. 28.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Cleaner for bag printing machines, Suction. H. Carll. 2,152,027; Mar. 28.
Clip: *See*—
Chuck clip. Paper clip.
Clip for paper-back lath. H. H. Eades. 2,151,904; Mar. 28.
Clipper, Hair. J. A. Hanley. 2,151,965; Mar. 28.
Clock, Electric. W. S. F. Brown and A. J. Tennison. 2,152,529; Mar. 28.
Closure applying apparatus. C. F. Schmidt. 2,152,571; Mar. 28.
Closure for receptacles. P. M. Thorn. 2,152,225; Mar. 28.
Closures to receptacles, Method and apparatus for applying. L. R. N. Carvalho and C. F. Schmidt. 2,152,534; Mar. 28.
Clothesline holder. A. U. Gretter. 2,152,547; Mar. 28.
Clothes manipulating tool. V. S. Brown. 2,152,530; Mar. 28.
Cloth-folding machine. F. M. Collier and L. J. Lumpkin, Jr. 2,152,399; Mar. 28.
Clothing, Cutting. C. Kaplan. 2,151,703; Mar. 28.
Clutch: *See*—
Friction and positive Friction clutch.
clutch.
Clutch and brake control, Power. H. W. Price, O. Capra, and E. R. Price. 2,152,087; Mar. 28.
Clutch control. V. W. Kliesrath. 2,152,061; Mar. 28.
Clutch control mechanism. E. R. and H. W. Price. 2,152,088–9; Mar. 28.
Clutch mechanism. A. J. Hartley. 2,152,310; Mar. 28.
Clutch operating mechanism. V. W. Kliesrath. 2,152,059; Mar. 28.
Clutch shifter, Automatic. W. E. Gross and A. F. Jelinek. 2,152,044; Mar. 28.
Clutching and driving mechanism. E. Ericksson. 2,151,961; Mar. 28.
Coating composition, Liquid. H. S. Cooper. 2,152,536; Mar. 28.
Coating for Braun tubes, Wall. E. Schwartz. 2,151,992; Mar. 28.
Coatings, Apparatus for the manufacture of abrasive. C. W. Bryan. 2,151,737; Mar. 28.
Coffee infusions, Apparatus for the preparation of. F. Illy. 2,152,410; Mar. 28.
Coiffure for plastic figures and making the same. H. R. Palmer. 2,152,085; Mar. 28.
Coil for cathode ray tubes, Deflecting. E. Ruska. 2,152,362; Mar. 28.
Collapsible box. G. E. Hartman. 2,151,761; Mar. 28.
Collar. W. Rubinstein. 2,152,093–5; Mar. 28.
Comb and reed for textile machines. V. C. Hassold. 2,152,430; Mar. 28.
Communication apparatus, Duplex. K. Schüssler. 2,152,329; Mar. 28.
Compensator. S. G. Ellis. 2,151,752; Mar. 28.
Composite block. A. Henderson. 2,152,190; Mar. 28.
Compounds of the anthraquinone series. H. Hopff, H. Eichel, and A. Diebold. 2,152,480; Mar. 28.
Compressor for carbon dioxide snow. J. Kobold. 2,151,855; Mar. 28.
Compressor, pump, and the like. K. Grünert. 2,151,848; Mar. 28.
Condenser and making same, Electrolytic. N. Schnoll and L. W. Appleton. 2,151,806; Mar. 28.
Condenser and making the same, Vapor. A. D. Rapuano. 2,152,280; Mar. 28.
Connector: *See*—
Electric connector. Separable connector.
Electrical connector. Solderless connector.
Connector for bailers and sand pumps. B. P. Wininger. 2,152,298; Mar. 28.
Contact rectifier. R. C. Hitchcock. 2,151,762; Mar. 28.
Container: *See*—
Dispensing container. Mustard container.
Container. E. W. Bonfield. 2,151,733; Mar. 28.
Container. D. Da Rold. 2,152,400; Mar. 28.
Container. W. J. Ilg. 2,151,702; Mar. 28.
Container. G. A. Moore. 2,152,322–3; Mar. 28.
Container. F. Stember. 2,151,999; Mar. 28.
Container and closure. E. F. Andersen. 2,151,826; Mar. 28.
Container and package. J. W. Chalmers. 2,152,398; Mar. 28.
Container for liquids. L. Arnold. 2,151,727; Mar. 28.
Container for the dispensing of predetermined quantities of powdered, granulated, or liquid materials therefrom. M. C. van Schoor. 2,152,004; Mar. 28.
Control and illuminating of refrigerator cabinets. J. L. Knight. 2,152,486; Mar. 28.
Control for electric elevators, System of. E. M. Bouton, H. W. Williams, and D. Santini. 2,151,734; Mar. 28.
Control means for bus switches. J. W. Logan, Jr. 2,151,926; Mar. 28.
Control mechanism for motor vehicles. K. Feilcke. 2,152,543; Mar. 28.
Control mechanism for motor vehicles. V. W. Kliesrath. 2,152,060; Mar. 28.
Control of clutch and throttle actuation of automotive vehicles, Automatic. R. S. Whittington. 2,152,120–1; Mar. 28.
Control system, Electrical. A. S. Riggs. 2,151,718; Mar. 28.
Control system for fuel burners. E. O. Engels. 2,151,906; Mar. 28.
Controller for electric welder and other circuits. C. Stansbury. 2,152,608; Mar. 28.
Controlling apparatus for highway crossing signals. G. R. Pflasterer. 2,152,276; Mar. 28.
Conveyer bunching device. T. Flint. 2,151,693; Mar. 28.
Conveyer for cans and can covers. E. C. Damrow. 2,152,244; Mar. 28.
Conveyer, Shaker. T. G. Nyborg. 2,152,148; Mar. 28.
Cooker, Frankfurter. S. Kohn. 2,152,314–5; Mar. 28.
Cooking apparatus. J. W. Myers. 2,152,560; Mar. 28.
Cooler: *See*—
Gas-port cooler.
Cooling device. S. A. Crosby. 2,152,467; Mar. 28.
Cooling for engines, Selective pressure. A. T. Gregory. 2,152,043; Mar. 28.
Cooling system for internal combustion engines, Circulatory. W. L. Morrison. 2,152,526; Mar. 28.
Cooling system for metal barrels. E. F. Lee. 2,151,856; Mar. 28.
Cooperage. J. A. Bauer. 2,152,020; Mar. 28.
Copper anodes, Method and apparatus for casting. A. Busche. 2,151,683; Mar. 28.
Copper cakes, Casting. M. L. Dorris. 2,151,841; Mar. 28.
Core catcher. C. F. Baker. 2,152,341; Mar. 28.
Core drill. W. L. Acker. 2,151,673; Mar. 28.
Corn picker. A. Otto. 2,152,273; Mar. 28.
Corn reloader. C. Kayser. 2,152,413; Mar. 28.
Cotton stalk cutter. C. Slater. 2,152,158; Mar. 28.

Coupling device. M. H. Carpenter. 2,152,175; Mar. 28.
Cover: *See*—
Spring cover.
Cowl ventilator screen. G. C. Knight. 2,152,414; Mar. 28.
Creel and other apparatus, Yarn. W. Pool. 2,152,210; Mar. 28.
Cross-chain for tire chain assemblies. E. A. Conner. 2,151,900; Mar. 28.
Cultivator disk gang operator. H. H. Buhr. 2,152,134; Mar. 28.
Current collector. W. Schaake. 2,151,804; Mar. 28.
Current commutator machine, Alternating. P. Rauhut. 2,152,327; Mar. 28.
Current welding generator, Direct. J. H. Blankenbuehler and W. R. Harding. 2,151,678; Mar. 28.
Cut-off valve, Automatic. J. A. Rumsey. 2,151,940; Mar. 28.
Cutter: *See*—
Cotton stalk cutter. Roll paper cutter.
Cutter assembly. G. F. McFadden. 2,152,616; Mar. 28.
Cutting device for inserting album pictures. C. Klumb. 2,152,063; Mar. 28.
Cutting machine, Automatic. W. Chladek. 2,151,743; Mar. 28.
Cycle heating and cooling system, Continuous. N. H. Gay. 2,152,250; Mar. 28.
Cylinder, Duplex master. L. E. La Brie. 2,152,065; Mar. 28.
Cylinder for hydraulic brakes, Master. C. H. Kindl. 2,152,485; Mar. 28.
Cylinder for hydraulic brakes, Master. O. Rasmussen. 2,152,499; Mar. 28.
Deflecting device for Braun tubes. E. Ruska. 2,152,363; Mar. 28.
Defroster, Windshield. C. H. Will. 2,152,338; Mar. 28.
Dental appliance. C. A. Spahn. 2,152,391; Mar. 28.
Dental investment or refractory material. E. M. Prosen. 2,152,152; Mar. 28.
Designoscope. W. O. Wetmore. 2,152,424; Mar. 28.
Designs on fabric, Delineating multicolored. W. M. Tranior. 2,152,507; Mar. 28.
Desk, Knock-down. M. S. Stevenson and R. Wells. 2,152,609; Mar. 28.
Desk stand. E. C. Moore and W. R. Challoner. 2,152,557; Mar. 28.
Device for arresting the motion of vehicles. D. R. King. 2,151,704; Mar. 28.
Device for generating electrical oscillations. H. E. Hollmann. 2,151,765; Mar. 28.
Device for warp leasing. F. H. Kaufmann. 2,152,432; Mar. 28.
Device for waving hair. P. Athens. 2,152,015; Mar. 28.
Dial construction. W. D. Teague, Jr. 2,152,106; Mar. 28.
Dianthrapyridones. R. Lesser. 2,152,519; Mar. 28.
Dictating machine. W. F. Feyrer. 2,152,585; Mar. 28.
Dies and other articles, Making wire drawing. L. Simons. 2,151,874; Mar. 28.
Differential, Two-speed. I. B. Holtz. 2,152,409; Mar. 28.
Direction indicator for vehicles. W. P. MacMicking. 2,152,355; Mar. 28.
Discharge apparatus. J. F. Peters. 2,151,796; Mar. 28.
Discharge device. L. D. Miles. 2,152,201; Mar. 28.
Discharge-gap device. J. K. Hodnette and A. D. Forbes. 2,151,763; Mar. 28.
Discharge tube, Mercury cathode. H. Lems. 2,151,979; Mar. 28.
Dishwashing machine. G. K. Ballentine. 2,152,455; Mar. 28.
Disk ridger. G. Ferraro. 2,152,347; Mar. 28.
Dispensing container. C. C. Morrison. 2,152,600; Mar. 28.
Dispensing container. R. Nyden. 2,152,270–1; Mar. 28.
Display, Advertising. W. Otto. 2,152,495; Mar. 28.
Display apparatus. C. L. Walker. 2,151,877; Mar. 28.
Distillation process. T. O. Wentworth. 2,152,164; Mar. 28.
Distribution control mechanism. E. Bugatti. 2,151,834; Mar. 28.
Distribution system. J. J. Shoemaker and H. P. Seelye. 2,152,445; Mar. 28.
Ditcher and packer machine. B. C. Reinkens. 2,152,212; Mar. 28.
Diving suit valve. E. Töpper. 2,152,110; Mar. 28.
Doctor, Fountain. C. L. Henderson. 2,151,968; Mar. 28.
Door: *See*—
Overhead door.
Doors on motor vehicles, Arrangement of. F. H. Redfern. 2,152,281; Mar. 28.
Dough for baking, Preparing yeast raised. H. Jung. 2,152,593; Mar. 28.
Draft in drawing frames, Apparatus for producing additional. J. Weinberger. 2,152,295; Mar. 28.
Draft regulator. J. L. Breese. 2,152,301; Mar. 28.
Drill: *See*—
Core drill.
Drilling rig transmission. J. H. Wilson. 2,151,881; Mar. 28.
Drive, Mechanical. J. F. Koepfle. 2,152,550; Mar. 28.
Drum for reels, Winding. F. Rindge. 2,152,282; Mar. 28.
Dry cell. G. A. Keller. 2,152,433; Mar. 28.
Drying apparatus. A. R. Smith. 2,152,367; Mar. 28.
Dust collector. H. van Tongeren. 2,152,115; Mar. 28.
Dust separator. H. van Tongeren. 2,152,114; Mar. 28
Dyestuff, Water insoluble azo. G. Manz, W. Zerweck, and W. Junze. 2,151,857; Mar. 28.
Dyestuffs, Acid indolephenylmethane. P. Wolff and W. Werner. 2,152,613; Mar. 28.
Dyestuffs and their production, Azo. H. Winkeler and E. Fischer. 2,152,007; Mar. 28.
Dyestuffs of the anthraquinone series. D. P. Graham. 2,152,186; Mar. 28.
Dyestuffs, Secondary disazo. C. Graenacher, R. Sallmann, and H. Johner. 2,152,408; Mar. 28.
Egg material, Treating. B. R. Harris. 2,151,760; Mar. 28.
Electric circuit. B. D. Bedford. 2,152,457; Mar. 28.
Electric circuit. L. F. Blume and L. V. Bewley. 2,152,462–3; Mar. 28.
Electric connector. D. Woodhead. 2,151,882; Mar. 28.
Electric contact combination. K. L. Emmert. 2,151,905; Mar. 28.
Electric iron. R. H. Beach. 2,151,888; Mar. 28.
Electric iron. A. C. Schmidt and C. W. Bruger. 2,152,502; Mar. 28.
Electric surfacing tool. W. E. Holt. 2,152,352; Mar. 28.
Electric switch. H. G. Graubner. 2,151,910; Mar. 28.
Electric switch. E. B. Hudson. 2,151,701; Mar. 28.
Electric switch. J. W. Owens. 2,152,496; Mar. 28.
Electrical apparatus. P. Haas and W. T. Taber. 2,152,589; Mar. 28.
Electrical capacitor. R. E. Marbury and P. H. Brace. 2,151,787; Mar. 28.
Electrical connector. H. W. Chaplin. 2,151,897; Mar. 28.
Electrical system. S. Y. White. 2,152,448; Mar. 28.
Electricity to motor vehicles, System for supplying. H. C. Dreischerf. 2,152,405; Mar. 28.
Electrode unit for Neon signs, Connecting. G. L. Link. 2,152,319; Mar. 28.
Electromagnetic recording arrangement. S. Begun. 2,151,889; Mar. 28.
Electromagnetic recording system. W. H. Warren. 2,151,951; Mar. 28.
Electron discharge device. H. G. Lubszynski, H. Miller, and J. E. I. Cairns. 2,151,785; Mar. 28.
Electron discharge tube. N. E. Lindenblad. 2,151,781; Mar. 28.
Electron discharge tube, Secondary. E. H. Löpp and A. J. W. M. van Overbeek. 2,151,783; Mar. 28.
Electron optics. M. Knoll and R. Urtel. 2,151,777; Mar. 28.
Electron tube. F. Michelssen. 2,151,789; Mar. 28.
Elevator control system. H. W. Williams. 2,151,820; Mar. 28.
Elevator control system. H. W. Williams and R. W. Jones. 2,151,819; Mar. 28.
Embalming. H. I. Jones. 2,152,484; Mar. 28.
Enclosure. J. A. Volk. 2,152,368; Mar. 28.
Energy such as exposure meters, Apparatus for the measurement of radiating. L. Devaux and R. A. Higonnet. 2,151,901; Mar. 28.
Engine: *See*—
External combustion engine. Reciprocating piston engine.
Internal combustion engine.
Engine deceleration and governor control. A. G. H. Vanderpoel and K. W. S. Ostling. 2,152,226; Mar. 28.
Engine electric unit, Internal combustion. A. Brunner. 2,152,025; Mar. 28.
Engine mechanism. E. S. Hall. 2,152,351; Mar. 28.
Engine starting mechanism. A. H. Winkler. 2,152,124; Mar. 28.
Engine starting, Motor vehicle. F. E. Liverance, Jr. 2,151,981; Mar. 28.
Equipment of distilling plants, Protection vacuum-creating. R. L. Rude. 2,152,155; Mar. 28.
Eraser cleaning machine. C. L. Gilbert. 2,152,140; Mar. 28.
Eraser tip, Pencil. J. McNulty. 2,151,824; Mar. 28.
Escapes, Retarding. S. J. Hodos. 2,152,052; Mar. 28.
Ether, Hydrogenated terpene. I. W. Humphrey. 2,151,769; Mar. 28.
Exercising machine. S. H. Jensen. 2,152,431; Mar. 28.
Expansion joint. S. Green, I. Spector, and J. Leese. 2,151,911; Mar. 30.
External combustion engine. H. Hardensett. 2,151,759; Mar. 28.
Fabric and making the same, Knitted. M. Weber. 2,151,879; Mar. 28.
Fabric strip and making, Reinforced. C. M. Albion. 2,152,012; Mar. 28.
Fan, Oscillating. T. H. Tornberg. 2,152,112; Mar. 28.
Fan system. A. C. Bartlett. 2,152,172; Mar. 28.
Fastener: *See*—
Strip fastener. Wood joint fastener.
Fastener member, Snap. L. G. Pender. 2,152,603; Mar. 28.
Fastening for wire rope, End. J. J. Burke. 2,151,837; Mar. 28.
Feeding mechanism for threshers. C. H. Turner. 2,152,393; Mar. 28.
Fibers or threads from glass, slag, and the like meltable materials, Production of. L. von Reis. 2,152,423; Mar. 28.
Fidelity control, Automatic. H. A. Wheeler. 2,152,514; Mar. 28.
Film feeding device. O. Steiner. 2,152,221; Mar. 28.

Film marking device. A. C. Winchester. 2,151,822; Mar. 28.
Film processing device. L. R. Fink. 2,151,907; Mar. 28.
Films, Production of colored picture. M. Combes. 2,151,899; Mar. 28.
Finger-fit implement. L. L. Greneker. 2,151,846; Mar. 28.
Fire screen. A. Gromes. 2,152,474; Mar. 28.
Fish lure. V. Parkins. 2,152,275; Mar. 28.
Fishing rod. P. J. Mayer and F. H. Peters. 2,152,385; Mar. 28.
Fitting and making same. H. D. Stecher. 2,152,102; Mar. 28.
Fitting, Detachable. N. M. Couty. 2,152,537; Mar. 28.
Flame producing mechanism, Pyrophoric. L. V. Aronson. 2,152,452; Mar. 28.
Flashing switch. A. B. Scott. 2,152,216; Mar. 28.
Flashlight. H. G. Graubner. 2,152,187; Mar. 28.
Flour dusting machine. P. Rasmussen. 2,152,500; Mar. 28.
Fluid circulation in absorption refrigerators. G. P. Dalger. 2,152,243; Mar. 28.
Fluid compressor. B. S. Aikman. 2,151,825; Mar. 28.
Fluid dispensing device. J. C. Griesemer. 2,152,588; Mar. 28.
Fluid motor, Rotary. M. C. Perkins. 2,152,564; Mar. 28.
Fluid pressure producing device. C. V. Gardner. 2,152,350; Mar. 28.
Foam and froth from the surfaces of fluids and semifluids, Eliminating. E. Fladmark. 2,151,963; Mar. 28.
Food, Poultry. B. B. McIlan. 2,152,438; Mar. 28.
Fog eliminating apparatus for rock drills. E. H. Dickenson. 2,152,176; Mar. 28.
Folder, Vertical file. J. T. Quigley. 2,151,717; Mar. 28.
Folding chair. A. B. Park. 2,152,149; Mar. 28.
Folding seat. W. T. Ashe and P. Baines. 2,152,014; Mar. 28.
Food handling apparatus. H. L. Johnston. 2,151,852; Mar. 28.
Food handling apparatus. D. A. Meeker and J. C. Slager. 2,151,862; Mar. 28.
Food product. E. Ott. 2,152,602; Mar. 28.
Foods and the preservation thereof, Flesh. C. A. Hedreen and H. R. Beard. 2,151,967; Mar. 28.
Footwear with foot-supporting plate, Orthopedic. M. Šarčević. 2,151,720; Mar. 28.
Fountain striping device. C. E. Burkey. 2,151,682; Mar. 28.
Frame: *See*—
Quarry drill frame.
Frame for fire screens, etc. L. M. Burr, Jr. 2,152,374; Mar. 28.
Frame for fire screens, etc. H. B. Cranshaw. 2,152,584; Mar. 28.
Friction and positive clutch, Combined. G. T. Lindstrom. 2,152,552; Mar. 28.
Friction brake. C. C. Farmer. 2,151,843–4; Mar. 28.
Friction clutch. R. W. Wengel and H. G. Taylor. 2,151,724; Mar. 28.
Fruit display stand. H. P. Smith. 2,152,219; Mar. 28.
Fruit opening machine. W. Sievers. 2,151,943; Mar. 28.
Fuel and air mixer. J. O. Neal. 2,152,206; Mar. 28.
Fuel and making the same, Motor. V. R. Kokatnur. 2,152,196; Mar. 28.
Fuel economizer. H. D. Church. 2,152,028; Mar. 28.
Fuel regulator, Gas. C. L. Robinson. 2,152,501; Mar. 28.
Fuel, System for feeding. E. A. Rockwell. 2,152,091; Mar. 28.
Furniture. P. R. Munroe. 2,151,985; Mar. 28.
Furniture, Combination. G. A. Thibeault, W. Visotski, R. Carlson, and I. E. Sweet. 2,152,002; Mar. 28.
Galvanic cell and cover therefor. D. Domizi. 2,151,902; Mar. 28.
Garment. B. Rabbiner. 2,152,211; Mar. 28.
Garment. M. Urbon. 2,152,575; Mar. 28.
Garment hanger. H. M. Simmons and H. C. Rnen. 2,152,156; Mar. 28.
Garment hanger machine. F. B. Todd. 2,152,109; Mar. 28.
Gas, Method of and apparatus for analyzing. B. Miller. 2,152,439; Mar. 28.
Gas-port cooler. S. Naismith. 2,152,491; Mar. 28.
Gas producer. H. Isendahl. 2,152,411; Mar. 28.
Gas-tight joint. G. Rabuteau and G. P. Chevigny. 2,151,937; Mar. 28.
Gases, especially coal distillation gases, Wet purification of. H. Baehr. 2,152,454; Mar. 28.
Gases, Purifying annealing. H. D. Holler. 2,151,764; Mar. 28.
Gases, Treatment of combustible. R. H. Griffith and B. Crawley. 2,152,473; Mar. 28.
Gauge: *See*—
Record precipitation gauge. Strain gauge.
Gauge for rakes, Depth. F. Friedheim. 2,152,377; Mar. 28.
Gear: *See*—
Metal-clad switch gear. Switch gear.
Generator: *See*—
Current welding generator. Oscillation generator.
High frequency generator. Sound wave generator.
Gin, Making. A. J. Liebmann. 2,152,318; Mar. 28.
Girder. A. M. McLellan. 2,151,861; Mar. 28.
Glass forming machine. C. W. Studley. 2,152,103; Mar. 28.
Glassware, Apparatus for decorating. G. W. Meyer and S. E. Shackelford. 2,152,356; Mar. 28.
Glassware, Apparatus for forming. H. A. Wadman. 2,151,876; Mar. 28.
Glassware, Method of and apparatus for decorating and annealing. D. G. Merrill. 2,151,983; Mar. 28.
Golf bag support. J. R. Love. 2,151,784; Mar. 28.
Governor. H. T. Avery. 2,152,171; Mar. 28.
Gramophone and the like, Automatic. A. E. Bowyer-Lowe 2,151,891; Mar. 28.
Graphics, Apparatus for transmitting recording. G. Delchef. 2,151,750; Mar. 28.
Grille, Adjustable. C. S. Wheeler. 2,152,447; Mar. 28.
Grinding wheel trimming device. A. Roman. 2,151,802; Mar. 28.
Guard, Sickle. T. A. P. Matthews. 2,152,265; Mar. 28.
Guideway, storage, and delivery device for bobbins, Combined. G. Porfido. 2,151,868; Mar. 28.
Hacksaw blade, Power. L. R. Fetterolf. 2,152,183; Mar. 28.
Hair, Device for use in waving or curling. W. R. McConkie. 2,151,859; Mar. 28.
Hair, Waving. R. L. Evans and E. G. McDonough. 2,151,692; Mar. 28.
Hair waving heater. A. M. Poniatoff. 2,152,359; Mar. 28.
Hair waving machine. F. O. Conill. 2,152,583; Mar. 28.
Hammer, Drilling bucket. G. J. Solomon. 2,152,220; Mar. 28.
Hammer for impact pulverizers. F. E. Smith. 2,152,332; Mar. 28.
Hand brake. G. F. Endicott. 2,152,376; Mar. 28.
Hand, Hydraulic. G. H. Hedrick, F. P. Myers, and R. E. Stark. 2,151,850; Mar. 28.
Hand steering wheel. F. G. Woollard. 2,152,370; Mar. 28.
Handle: *See*—
Casket handle.
Hanger: *See*—
Garment hanger.
Heat energy into mechanical energy, Method and apparatus for converting. E. T. Turner. 2,151,949; Mar. 28.
Heat exchange equipment. D. R. McNeal. 2,152,266; Mar. 28.
Heat-exchange unit and production, Helical. R. W. Shoemaker. 2,152,331; Mar. 28.
Heat treating and apparatus therefor. C. B. Sadtler. 2,152,284; Mar. 28.
Heat treating equipment. J. Fletcher and E. E. Schoessow. 2,152,138; Mar. 28.
Heater: *See*—
Hair waving heater.
Heater and vaporizer, Liquid. J. H. Knapp. 2,151,854; Mar. 28.
Heating device. H. E. Young. 2,152,126; Mar. 28.
Heating device for motorcars. F. Nallinger. 2,151,865; Mar. 28.
Heating units and connecting parts therefor, Construction of electric. L. I. Mirel. 2,152,525; Mar. 28.
Heel. J. T. Lancaster. 2,151,978; Mar. 28.
Heel, Detachable shoe. A. J. Sansonetti. 2,152,099; Mar. 28.
Heels, Turning wood. A. M. Sosa. 2,151,875; Mar. 28.
High frequency generator. E. Habann and F. Garth. 2,151,912; Mar. 28.
Hinge. T. V. Boyle. 2,151,732; Mar. 28.
Hobbing machine. J. Edgar. 2,152,469; Mar. 28.
Holder: *See*—
Cigarette holder. Toilet paper holder.
Clothesline holder. Welding electrode holder.
Holder for refrigerators or the like, Lamp. F. C. De Reamer. 2,152,468; Mar. 28.
Hook for garment hangers, Supporting. M. Gay. 2,151,964; Mar. 28.
House, Deck. E. J. W. Ragsdale, C. B. Conwell, and T. G. Jordan. 2,152,605; Mar. 28.
Housing. A. W. Dring. 2,151,751; Mar. 28.
Housing for luminous tubes, Terminal. F. E. Montroy. 2,152,558; Mar. 28.
Hub cap. H. F. Greene, Sr. 2,152,253; Mar. 28.
Humidifying and cooling apparatus. R. A. Robie. 2,152,360; Mar. 28.
Hydraulic four-wheel brake. B. McInnerney. 2,152,074; Mar. 28.
Hydrocarbons, Manufacture of chlorinated. W. W. Moyer. 2,152,357; Mar. 28.
Hydrocarbons, Treatment of. W. A. Schulze. 2,151,721; Mar. 28.
Hydroplane hull. E. W. Easthope. 2,151,958; Mar. 28.
Ice pack. J. D. Bates. 2,152,019; Mar. 28.
Icing, Preparing. J. Arelter. 2,152,170; Mar. 28.
Ignition cable. M. F. Peters. 2,151,715; Mar. 28.
Ignition cut-off, Automatic. W. J. Saling. 2,152,097; Mar. 28.
Image optical system, Multiple. R. Thomas. 2,152,224; Mar. 28.
Incubator. W. J. Needels. 2,152,492; Mar. 28.
Index. G. H. Dawson. 2,152,304; Mar. 28.
Index, Card. B. G. Rand. 2,152,606; Mar. 28.
Index device. C. Veit. 2,152,227; Mar. 28.

Indicating system, Automatic. W. J. Phillips and R. Scovel. 2,152,151; Mar. 28.
Inertia device. E. E. Hewitt. 2,152,256; Mar. 28.
Infusions, Apparatus for making. H. D. Harper. 2,151,966; Mar. 28.
Inking apparatus and method. C. L. Henderson. 2,151,969; Mar. 28.
Inlaid article and method of inlaying. M. G. Sypher. 2,152,161; Mar. 28.
Insecticide. C. H. Batchelder. 2,152,236; Mar. 28.
Insecticide and fumigant. A. J. van Peski and J. M. Hoeffelman. 2,152,003; Mar. 28.
Instrument arrangement for aircraft motors. P. E. Köster. 2,151,976; Mar. 28.
Instrument for the solution of the astronomical triangle. C. C. Hobbs. 2,151,970; Mar. 28.
Insulator. C. F. Molzen. 2,151,931; Mar. 28.
Internal combustion engine. J. E. Fuller. 2,152,037; Mar. 28.
Internal combustion engine. W. Harper, Jr. 2,151,698; Mar. 28.
Internal combustion engine. C. Jonville and P. Ferlay. 2,151,853; Mar. 28.
Internal combustion engine. P. Klotsch. 2,152,594; Mar. 28.
Internal combustion engine. L. J. McKone. 2,151,927; Mar. 28.
Iron: *See*—
Electric iron. Toe iron.
Jack: *See*—
Power jack.
Joint: *See*—
Ball and socket joint. Gas-tight joint.
Expansion joint.
Joint structure for artificial limbs, Ankle. C. H. Davies. 2,152,402; Mar. 28.
Keg, Heavy duty fiberboard. G. L. Studley. 2,152,610; Mar. 28.
Knitted goods, Manufacture of. T. Krasselt. 2,152,415; Mar. 28.
Knurler unit for cigar machines. S. Clausen. 2,151,898; Mar. 28.
Label printer. H. P. Elliott. 2,152,178; Mar. 28.
Ladder. R. W. Pulver. 2,152,324; Mar. 28.
Lamp and control circuit therefor, Arc. F. C. Coates. 2,151,745; Mar. 28.
Lamp and making the same, Electric. C. J. Briefer. 2,151,686; Mar. 28.
Lamp and socket construction, Electric. H. A. Douglas. 2,151,903; Mar. 28.
Lamp for series connection, Electrical incandescent. H. F. Waters. 2,152,228; Mar. 28.
Landscape, Apparatus for plotting the site plan for a. O. von Gruber. 2,152,309; Mar. 28.
Lasting machine. B. T. Leveque. 2,151,980; Mar. 28.
Latch: *See*—
Camera latch.
Lead values, Recovery of. L. P. Curtin. 2,152,242; Mar. 28.
Leather treatment. C. S. Jennings and F. W. Gerard. 2,152,312; Mar. 28.
Leg elevator for operating chairs. M. W. Baker. 2,151,729; Mar. 28.
Letter sheet and envelope, Combined. C. Z. Case and C. J. Hughey. 2,152,135; Mar. 28.
Life saving light. J. A. Ramsey and W. O'Neal. 2,151,938; Mar. 28.
Lifting device. E. R. Barrett. 2,151,886; Mar. 28.
Light: *See*—
Life saving light.
Light finder, Invisible. H. P. Miller, Jr. 2,152,202; Mar. 28.
Light for oven, Pilot. E. H. Lockwood. 2,151,782; Mar. 28.
Lighting fixture construction. J. Levy. 2,152,197; Mar. 28.
Limb, Artificial. C. H. Davies. 2,152,401; Mar. 28.
Limbs, Attachment for artificial. T. Kohl. 2,152,141; Mar. 28.
Liquids, Apparatus for handling. G. A. Petroe. 2,151,935; Mar. 28.
Load lifting and weighing device. P. S. Endacott. 2,152,247; Mar. 28.
Loading machine. F. Cartlidge. 2,151,741; Mar. 28.
Lock: *See*—
Automobile lock. Window lock.
Time delay combination lock.
Lock for tool holders. J. F. Buhr. 2,152,302; Mar. 28.
Locking device. G. W. Jacobson. 2,151,919; Mar. 28.
Locomotive. F. P. Roesch. 2,152,420; Mar. 28.
Loom: *See*—
Pile fabric loom.
Looms, harness cord for. A. E. Brickman and G. A. Gleason. 2,152,397; Mar. 28.
Loops to sanitary napkins, Apparatus for fastening attachment. H. Newman. 2,152,493; Mar. 28.
Lubricant and method, Wire drawing. R. C. Williams. 2,152,396; Mar. 28.
Lubricating device. A. Y. Dodge. 2,152,305; Mar. 28.
Lubricating device. H. R. Tear. 2,152,334; Mar. 28.
Luminair, Waterproof. T. W. Rolph. 2,151,801; Mar. 28.
Machine for applying stick handles to frozen confection blocks. H. Sattler. 2,152,214; Mar. 28.
Machine for assembling shoe parts. F. Kennison and F. E. Stratton. 2,151,974; Mar. 28.
Machine for creasing the joints of books. C. Schramm. 2,151,991; Mar. 28.
Machine for the manufacture of glass bottles. W. B. Mitchell. 2,151,864; Mar. 28.
Machine for unrolling, measuring, and rerolling yardage. C. L. Walter and R. L. Blodgett. 2,152,118; Mar. 28.
Machine tool. W. I. Senger. 2,151,873; Mar. 28.
Magazine, Film. L. E. Whittaker. 2,152,369; Mar. 28.
Magnesium and alloys rich in magnesium, Melting and casting. L. Lasch and G. Schichtel. 2,151,779; Mar. 28.
Magnetron. H. E. Hollmann. 2,151,766; Mar. 28.
Match packeting machine and method. R. S. Pullen. 2,152,441; Mar. 28.
Match, Safety book. E. Ancker. 2,151,675; Mar. 28.
Material containing copper and tin, Treating. M. F. W. Heberlein. 2,152,188; Mar. 28.
Material, Method and apparatus for digesting fibrous. A. D. Merrill. 2,152,267; Mar. 28.
Material treating apparatus. C. P. Bridges. 2,152,238; Mar. 28.
Material, Treating pulverulent. N. Ahlmann. 2,152,167; Mar. 28.
Materials, Manufacture and treatment of textile. G. H. Ellis and A. J. Wesson. 2,152,182; Mar. 28.
Materials, Method of and apparatus for packaging. S. F. Anderson. 2,152,339; Mar. 28.
Mattress and manufacture. M. Bechik. 2,152,237; Mar. 28.
Measuring and recording device for deep well pumps. J. G. Baker. 2,151,728; Mar. 28.
Measuring apparatus. G. G. H. Rydberg. 2,151,941; Mar. 28.
Media, Preserving and disinfecting. H. Hahl, L. Taub, and F. Lewchs. 2,152,047; Mar. 28.
Mercaptans contained in a hydrocarbon distillate, Separating. D. L. Yabroff. 2,152,166; Mar. 28.
Mercury switch. C. H. Larson. 2,151,923; Mar. 28.
Metal apparatus, Sheet. T. Wilson. 2,152,165; Mar. 28.
Metal-clad switch gear. A. L. Fletcher and B. I. Hayford. 2,151,756; Mar. 28.
Metal, Method and apparatus for cutting and heat-treating. H. H. Moss. 2,152,145; Mar. 28.
Metal obstructions from wells, Removing. J. J. Grebe and S. M. Stoesser. 2,152,306; Mar. 28.
Metal reel. L. R. McGuire. 2,152,523; Mar. 28.
Metal scarfing machine and process. W. B. Rowland and W. R. Linden. 2,152,213; Mar. 28.
Metal stock for paneling and other purpose, Sheet. G. R. Wilson. 2,152,297; Mar. 28.
Metallic elements, Making composite. C. E. Swartz. 2,152,611; Mar. 28.
Metals and alloys, Method of and apparatus for the heat treatment of. A. G. E. Roblette. 2,152,154; Mar. 28.
Metals, Melting, purification, and recovery of. G. H. Goldsmith. 2,151,696; Mar. 28.
Metals, Pickling. A. J. Ducamp and M. E. A. Saule 2,152,406; Mar. 28.
Meter: *See*—
Parking meter. Postage meter.
Mirror, Astronomical. C. H. Veeder. 2,152,394; Mar. 28.
Mixer: *See*—
Full and air mixer.
Modulation. M. Baesecke and R. Bauer. 2,152,016; Mar. 28.
Mold. F. C. Biggert, Jr. 2,152,528; Mar. 28.
Molding device. H. C. Zauner. 2,152,009; Mar. 28.
Motion translating mechanism. O. E. Wolff. 2,152,518; Mar. 28.
Motor. S. R. Bergman. 2,152,458; Mar. 28.
Motor: *See*—
Fluid motor. Vertical geared motor.
Pressure fluid motor.
Self starting synchronous motor.
Mount for electron discharge device. C. P. Vogel. 2,151,816; Mar. 28.
Mount for electron discharge devices. N. R. Smith. 2,151,811; Mar. 28.
Mount for firearms, Telescope. F. L. Humeston. 2,151,768; Mar. 28.
Mounting: *See*—
Telephone hand-set mounting.
Mower. R. D. Clemson. 2,152,278; Mar. 28.
Mower, Lawn. H. F. Godwin and F. C. Speke. 2,152,252; Mar. 28.
Muffler. W. A. Morrison. 2,152,205; Mar. 28.
Music cabinet, Piano-bench. W. H. Gelbaugh. 2,152,378; Mar. 28.
Mustard container. S. L. Casella. 2,151,684; Mar. 28.
Necktie. J. Natalie. 2,152,417; Mar. 28.
Noise, Reduction of. C. M. Burrill. 2,151,739–40; Mar. 28.
Noise, Reduction of. W. R. Koch. 2,151,773–5; Mar. 28.
Noise, Reduction of. V. D. Landon. 2,151,778; Mar. 28.
Noise suppressor. J. K. Johnson. 2,152,481–2; Mar. 28.
Nozzle. C. A. Killmeyer and G. L. Reichhelm. 2,152,057; Mar. 28.

Nozzle for flat spraying appliances, Air. E. Gustafsson and H. L. Striegel. 2,152,046; Mar. 28.
Offset in printing, Method and apparatus for preventing. T. E. Knowlton. 2,152,263; Mar. 28.
Oil from citrus fruits, Method of and apparatus for extracting rind. J. Mills. 2,151,710; Mar. 28.
Oilless bearing. A. N. Porter. 2,152,387; Mar. 28.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,151,827; Mar. 28.
Oils, Conversion of hydrocarbon. C. W. Nofsinger. 2,152,147; Mar. 28.
Oils, Treating hydrocarbon. B. P. Crittenden. 2,151,691; Mar. 28.
Operating mechanism. W. A. Atwood and G. Rudolph. 2,152,453; Mar. 28.
Optical instrument. W. Henning, M. A. Bursack, and C. Loeb. 2,152,050; Mar. 28.
Oral treatment device. W. W. Buhse. 2,151,738; Mar. 28.
Ore-breaking device. R. S. Tice. 2,152,108; Mar. 28.
Organic compounds having unsaturated linkages of an aliphatic character, Sulphurizing. E. Gottesmann. 2,152,185; Mar. 28.
Organic compounds, Recovery of. J. D. Ruys. 2,151,990; Mar. 28.
Ornament. A. Knight. 2,152,435; Mar. 28.
Oscillation device. Y. Rocard. 2,151,800; Mar. 28.
Oscillation generator. I. E. Fair. 2,151,754; Mar. 28.
Oscillator and modulator, High frequency. N. E. Lindenblad. 2,151,707; Mar. 28.
Oscillograph, Cathode ray. M. Knoll. 2,152,487; Mar. 28.
Overhead door. C. M. Goodrich. 2,151,845; Mar. 28.
Overshoe. H. F. Waters. 2,152,229; Mar. 28.
Oxide rectifier element, Forming a cuprous. M. Ono. 2,151,933; Mar. 28.
Package and packaging, Display. E. L. Mott. 2,152,079; Mar. 28.
Packing device for relatively rotatable parts. A. C. Basebe and H. Sinclair. 2,151,730; Mar. 28.
Pail attachment, Utility. C. W. Carlson. 2,151,895; Mar. 28.
Pallet construction. W. J. Powell. 2,152,086; Mar. 28.
Paper clip. J. D. Melehes. 2,152,075; Mar. 28.
Parachute opening means. G. Tomasetta. 2,151,815; Mar. 28.
Parking device for automobiles. J. L. Barr. 2,151,828; Mar. 28.
Parking meter. M. M. Weaver. 2,152,577; Mar. 28.
Patent flat stock and low grade, Treatment of. I. P. Schel. 2,151,865; Mar. 28.
Pavements, Method of and apparatus for surfacing. J. E. Lof. 2,152,264; Mar. 28.
Pen, Fountain. R. H. Koos. 2,152,436; Mar. 28.
Pencil pointer. C. G. White. 2,152,395; Mar. 28.
Pentaerythritol mother-liquor, Nitrated. J. A. Wyler. 2,152,372; Mar. 28.
Pentaerythritol, Preparation of. J. A. Wyler. 2,152,371; Mar. 28.
Pentamethine-omega-aldehydes of heterocyclic bases. W. Zeh. 2,152,615; Mar. 28.
Perforator. O. A. Brown. 2,151,681; Mar. 28.
Perforator, Casing. H. C. Yarbrough. 2,152,008; Mar. 28.
Phonograph, Commercial. L. D. Norton and V. L. Frykman. 2,152,440; Mar. 28.
Phosphate, Colored aromatic. C. L. Moyle and S. L. Bass. 2,151,984; Mar. 28.
Photoelectric tube. C. H. Prescott, Jr. 2,151,797; Mar. 28.
Photographic gelatin emulsions, Manufacture of. E. J. Birr, H. Fricke, and G. Wilmanns. 2,152,460; Mar. 28.
Photographs having plastic or relief effects, Production of. K. Wenschow. 2,151,817; Mar. 28.
Photography, Roentgen. H. Lewin. 2,152,353; Mar. 28.
Piezo electric apparatus. W. W. Broughton. 2,151,736; Mar. 28.
Pile fabric loom. H. V. Hardiman. 2,152,592; Mar. 28.
Piling, Metallic. G. G. Greulich. 2,151,847; Mar. 28.
Pipe cleaning machine. A. A. Froh. 2,152,036; Mar. 28.
Pipe for storage tanks, Vent. G. A. Biasco. 2,152,459; Mar. 28.
Pistol, Air. J. P. Appleby. 2,151,676; Mar. 28.
Piston air compressor, Stationary. O. B. Johnson. 2,152,054; Mar. 28.
Piston rings, Making. V. F. Zahodiakin. 2,152,127–9; Mar. 28.
Pitch propeller, Variable. H. H. Platt. 2,152,419; Mar. 28.
Pivot, Slip locking. R. W. and J. P. Palmer. 2,152,563; Mar. 28.
Plow, Snow. J. E. McCulley. 2,152,200; Mar. 28.
Plow, Snow. P. Rougier. 2,152,092; Mar. 28.
Polarizing attachment for optical instruments such as microscopes. C. D. West. 2,152,513; Mar. 28.
Polishing machine fixture. J. H. Gould. 2,151,909; Mar. 28.
Postage marking machine, Coin controlled. G. A. Ammann. 2,151,672; Mar. 28.
Postage meter. M. Moore. 2,152,204; Mar. 28.
Pot, Cinder. A. D. Davies. 2,152,245; Mar. 28.
Pot, Melting. G. W. Temple. 2,152,446; Mar. 28.
Poultry bleeding and steaming machine. P. Onorato and E. Weinaug. 2,152,082–3; Mar. 28.
Powder, Preparation of progressive-burning somkeless. B. Troxler. 2,152,509; Mar. 28.
Power jack. F. Hawkins. 2,152,048; Mar. 28.
Power machine unit, Convertible. J. F. Carey. 2,151,688; Mar. 28.
Power regulating system. R. W. Weeks. 2,152,576; Mar. 28.
Lower relay. O. D. Grandstaff. 2,152,042; Mar. 28.
Lower transmission, Hydraulic. W. P. van Lammeren. 2,152,113; Mar. 28.
Preselector system for radio receivers. P. A. Le Marchant. 2,151,780; Mar. 28.
Press: *See*—
Block press. Veneering press.
Printing press. Vulcanizing and stretching press.
Shoe press.
Press for cutting cardboard. H. Bobst. 2,151,890; Mar. 28.
Pressure combustion boiler. B. Hoffmann. 2,152,479; Mar. 28.
Pressure fluid motor. E. G. Gartin. 2,151,694; Mar. 28.
Printing method and apparatus. E. Ericksson. 2,151,960; Mar. 28.
Printing press, Single-revolution cylinder. A. Büttner. 2,151,838; Mar. 28.
Projector, Colored picture. H. Bresser. 2,151,735; Mar. 28.
Propeller. C. S. Richardson. 2,151,939; Mar. 28.
Propeller, Controlled variable pitch. B. B. Gemeny. 2,152,587; Mar. 28.
Protective apparatus. E. A. Leach. 2,152,490; Mar. 28.
Protective equipment. G. W. Fyler. 2,152,472; Mar. 28.
Pump: *See*—
Rotary pump.
Punches, Retaining means for. C. F. Maute. 2,152,072; Mar. 28.
Quarry drill frame. G. C. Pearson. 2,152,150; Mar. 28.
Rack: *See*—
Roast rack. Rotary rug rack.
Radial antifriction bearing. P. Brühl. 2,151,830; Mar. 28.
Radiator and engine support. D. B. Baker, C. R. Rogers, and W. O. Bechman. 2,152,579; Mar. 28.
Radiator or condenser. A. L. Muren. 2,151,791; Mar. 28.
Radio antenna for motor vehicles. A. J. Springer and C. B. McMillan. 2,151,997; Mar. 28.
Radio apparatus. L. A. Hyland. 2,151,917; Mar. 28.
Radio apparatus, Potential supply means for. B. F. Gostin and C. E. Neale. 2,152,184; Mar. 28.
Radio receiver, Combined space and wired. P. Arendt and W. M. Hahnemann. 2,151,884; Mar. 28.
Rail flaw detector mechanism. H. C. Drake. 2,152,540; Mar. 28.
Railway switching system, Automatic. M. H. Loughridge. 2,151,709; Mar. 28.
Raisin cleaning method. E. E. Martin. 2,152,143; Mar. 28.
Rayon crepes and their method of manufacture. A. Moscowitz. 2,151,711; Mar. 28.
Razor vending machine, Safety. J. Masip, A. Gandon, and J. Soler. 2,151,858; Mar. 28.
Receiver: *See*—
Radio receiver.
Receiver, Ash. W. R. Schirmer. 2,152,285; Mar. 28.
Receiver for electromagnetic waves. E. Kramar. 2,151,922; Mar. 28.
Receiver, Positional. A. Patin. 2,151,793; Mar. 28.
Receiver, Superheterodyne. R. H. Siemens. 2,151,810; Mar. 28.
Receiving system. F. Conrad. 2,151,747; Mar. 28.
Reciprocating piston engine. E. Bugatti. 2,151,835; Mar. 28.
Reclosing system for circuit breakers, Automatic. W. R. Tallaferro and R. R. Longwell. 2,151,812; Mar. 28.
Recording instrument. J. D. Cunningham. 2,152,303; Mar. 28.
Recording instrument. A. F. Spitzglass and O. T. Handwerk. 2,152,333; Mar. 28.
Recording precipitation gauge. O. F. Nilsson. 2,151,866; Mar. 28.
Recuperator for melting furnaces. W. H. Fitch. 2,152,546; Mar. 28.
Reel: *See*—
Metal reel.
Reel and forming it. P. S. McCann. 2,152,522; Mar. 28.
Refrigerated case. R. H. Starr, C. Masters, and C. K. Litman. 2,152,291; Mar. 28.
Refrigerating apparatus. L. E. Perrine and C. L. Paulus. 2,151,987; Mar. 28.
Refrigerating apparatus. E. C. Sittler and R. S. Gaugler. 2,152,157; Mar. 28.
Refrigerating apparatus. N. J. Smith. 2,151,995; Mar. 28.
Refrigeration, Absorption. C. C. Coons. 2,152,241; Mar. 28.
Refrigeration, Apparatus for effecting. E. T. Turner. 2,151,948; Mar. 28.
Regulator: *See*—
Draft regulator. Fuel regulator.
Relay. M. R. Miller. 2,152,524; Mar. 28.
Remote controlling apparatus. C. S. Snavely. 2,152,390; Mar. 28.
Resins, Cast phenolic. J. E. Symonds. 2,151,946; Mar. 28.

Resins, Hydrogenation of. W. H. Carmody. 2,152,533; Mar. 28.
Resins, Phenolic. J. E. Symonds. 2,151,945; Mar. 28.
Resistor and support therefor, Tubular. H. G. Richter. 2,151,799; Mar. 28.
Rheostat, Pressure responsive. M. Klein and B. Willach. 2,152,262; Mar. 28.
Road oiling machine. G. B. Fawley. 2,152,407; Mar. 28.
Roast rack. M. Botti. 2,152,023; Mar. 28.
Rocker arm construction. C. Farris. 2,151,755; Mar. 28.
Rod: *See*—
Fishing rod. Welding rod.
Roll paper cutter. N. B. Currier. 2,152,031; Mar. 28.
Roller, Covered. F. V. Tischer. 2,152,612; Mar. 28.
Roller for duplicators, Impression. F. Nigra. 2,152,561; Mar. 28.
Roof construction and roofing element therefor. J. B. Peebles. 2,151,794; Mar. 28.
Roof construction, Tile. A. O. Munsey. 2,152,080; Mar. 28.
Rotary pump. F. A. Quiroz. 2,152,498; Mar. 28.
Rotary rug rack. H. E. Baker. 2,151,677; Mar. 28.
Rubber, Coloring. W. F. Smith. 2,152,218; Mar. 28.
Rubber figure, Seamless. E. Jacobson. 2,152,311; Mar. 28.
Rubber hydrochloride, Producing. G. B. Cooke. 2,151,839; Mar. 28.
Rubbish, Apparatus for sorting household. J. E. F. Cambessèdes. 2,151,894; Mar. 28.
Saddle for cycles. B. N. Lobdell. 2,152,553; Mar. 28.
Saddle for cycles. E. W. Swett. 2,152,572; Mar. 28.
Safety device. G. E. Brousseau. 2,152,133; Mar. 28.
Safety device for electrical apparatus. O. B. Freeman. 2,152,586; Mar. 28.
Safety device for internal combustion engines, Automatic. L. L. Scott. 2,152,287; Mar. 28.
Safety device for linemen. C. D. Hedrick. 2,152,049; Mar. 28.
Safety device for steering motor vehicles. H. L. Baumer. 2,152,021; Mar. 28.
Safety device for volatile liquid storage tanks. J. J. Tokheim. 2,152,422; Mar. 28.
Salt of a mono-alkyl trithiocarbonate, Production of an alkali metal. W. T. Bishop. 2,152,461; Mar. 28.
Salts and making same, Trihexosan-carboxylic acid. M. Finkelsztejn. 2,152,248; Mar. 28.
Salts of aliphatic acid esters of polybasic inorganic acids, Purification of. A. J. Tulleners. 2,152,163; Mar. 28.
Salts, Production of alkyl ester. A. J. van Peski and A. J. Tulleners. 2,152,292; Mar. 28.
Sand spreading apparatus. A. F. Humphrey. 2,152,259; Mar. 28.
Screen: *See*—
Cowl ventilator screen. Fire screen.
Screw and bolt driving and nut running machine. K. E. Whitney and A. G. Decker. 2,152,517; Mar. 28.
Screw and washer assembling machine and method. W. M. Hanneman. 2,152,591; Mar. 28.
Screw blanks, Method and apparatus for forming metal. H. Koester. 2,151,776; Mar. 28.
Screw device, Lock. M. Yaneson. 2,152,231; Mar. 28.
Screws, Method of locking. H. B. Lindsay. 2,152,521; Mar. 28.
Seal bearing. R. R. Searles. 2,152,444; Mar. 28.
Seal, Journal box. D. S. Barrows. 2,152,580; Mar. 28.
Sealed unit. M. W. Kenney and A. R. Constantine. 2,152,056; Mar. 28.
Seat. E. Brosset. 2,152,024; Mar. 28.
Seat and squab, Reversible. J. K. Stuart, V. W. Staccy, and T. A. Wylie. 2,152,505; Mar. 28.
Seed gathering attachment for mowing machines. K. Jones. 2,152,548; Mar. 28.
Seismic surveying. B. B. Weatherby. 2,151,878; Mar. 28.
Self-starting synchronous motor. E. Spahn. 2,151,996; Mar. 28.
Separator: *See*—
Dust separator. Vapor-liquid separator.
Separable connector, Automatic unlocking. W. A. Wulle. 2,152,125; Mar. 28.
Sewing machine, Hand. T. E. Monroe. 2,152,203; Mar. 28.
Shade, Venetian. G. C. Lawson. 2,152,068; Mar. 28.
Shaft attachment. D. Buccicone. 2,151,831; Mar. 28.
Shaft or roll, High temperature. P. S. Menough. 2,152,076; Mar. 28.
Shank piece and making the same. R. Laird. 2,151,977; Mar. 28.
Sharpener, Pencil. A. L. Fenton. 2,152,545; Mar. 28.
Sharpener, Pencil. H. W. Jenkins. 2,152,412; Mar. 28.
Sharpener with replaceable blade, Tailor's chalk. V. Rago. 2,151,869; Mar. 28.
Sheet delivery mechanism for printing presses or the like. F. W. Seybold. 2,152,288; Mar. 28.
Shield, Face. F. D. Leader. 2,152,383; Mar. 28.
Shoe bottom pressing machine. H. B. Newhall. 2,151,712; Mar. 28.
Shoe counter. E. W. MacLean. 2,152,354; Mar. 28.
Shoe press. J. F. Smith. 2,152,366; Mar. 28.
Shoe press. J. F. Smith. 2,152,389; Mar. 28.
Short wave system. B. Trevor and R. W. George. 2,152,335; Mar. 28.
Shuttle. W. A. Tebo. 2,152,223; Mar. 28.
Sifter, Dross. L. G. Olander. 2,151,986; Mar. 28.
Signal interference control, Automatic. H. A. Wheeler. 2,152,515; Mar. 28.
Signaling device. L. H. Allen. 2,151,726; Mar. 28.
Signaling device, Animated. D. Hewitt. 2,152,051; Mar. 28.
Signaling system. C. W. Halligan. 2,152,475; Mar. 28.
Signaling system, Traffic. T. A. Logan. 2,152,070; Mar. 28.
Signaling system, Wave. J. F. Farrington. 2,152,470; Mar. 28.
Sink, Kitchen. T. Westenkirchner. 2,151,818; Mar. 28.
Siphon-discharge apparatus. M. Kolarik. 2,152,062; Mar. 28.
Skate, Coasting. R. H. Zier. 2,152,011; Mar. 28.
Ski tramway, Aerial. G. H. Bannerman, J. M. Curran, and G. H. Trout. 2,152,235; Mar. 28.
Skins, Treating fur. L. N. Messing and R. E. Naumburg. 2,151,930; Mar. 28.
Sled. J. H. Anderson. 2,152,013; Mar. 28.
Slicer, Butter. A. Lowenfels. 2,152,198; Mar. 28.
Socket, Lamp. E. E. Folsom. 2,152,471; Mar. 28.
Sodium aluminum sulphate substantially fluorine free, Preparing. D. Lurie. 2,152,597; Mar. 28.
Solderless connector. F. B. Adam and H. M. Stieglitz. 2,151,674; Mar. 28.
Solids in a centrifugal, Purging and washing. C. A. Olcott. 2,152,562; Mar. 28.
Solutions of aliphatic esters of polybasic inorganic acids, Purification of aqueous. A. J. Tulleners. 2,152,162; Mar. 28.
Sound absorbing unit. S. C. Appel. 2,152,169; Mar. 28.
Sound pick-up unit. A. J. Holman. 2,151,700; Mar. 28.
Sound reproducing apparatus. H. Belar. 2,152,173; Mar. 28.
Sound-wave generator. W. J. Eisenbeis and C. O. Williamson. 2,152,177; Mar. 28.
Speed control for motors, Constant. P. U. Lannerd. 2,152,595; Mar. 28.
Speed control mechanism. A. J. Musselman. 2,152,386; Mar. 28.
Speed reducer, Variable. J. Needham. 2,152,207; Mar. 28.
Speed transmission, Automatic change. E. E. Giesen. 2,152,039; Mar. 28.
Spring cover. G. W. Crabtree. 2,152,030; Mar. 28.
Spring shackle. A. N. Porter. 2,152,388; Mar. 28.
Spring suspension. C. D. Rice. 2,152,032; Mar. 28.
Sprinkler, Automatic. A. J. Loepsinger and H. E. Rose. 2,151,982; Mar. 28.
Sprinkler, Automotive traveling. J. H. Wilson. 2,152,425; Mar. 28.
Sprinkler head signaling attachment. C. R. Murray, Sr. 2,152,146; Mar. 28.
Stabilizer, Steering. M. B. Briggs. 2,151,851; Mar. 28.
Stabilizing device. H. Wolf. 2,152,427; Mar. 28.
Stake, Vehicle. B. Skoog. 2,152,421; Mar. 28.
Stand: *See*—
Desk stand. Fruit display stand.
Starter, Engine. E. M. Claytor. 2,151,954; Mar. 28.
Starter, Engine. H. Walter. 2,152,005; Mar. 28.
Starter for combustion engines, Electric. A. S. Fisk. 2,151,962; Mar. 28.
Station selection. W. J. Zenner. 2,152,010; Mar. 28.
Stator structure for dynamo-electric machines. W. D. Crocker. 2,151,955; Mar. 28.
Steel, Alloy. A. R. Kinzel. 2,152,434; Mar. 28.
Steel construction. A. Henderson. 2,152,189; Mar. 28.
Steering booster. W. Stelzer. 2,151,998; Mar. 28.
Steering linkage. M. A. Thorne. 2,152,506; Mar. 28.
Steering mechanism for road trailers, Hydraulic. L. H. Vanderwerf. 2,152,511; Mar. 28.
Stem for electron discharge devices. L. R. Shardlow. 2,151,809; Mar. 28.
Stencil attachment for spray guns. M. S. Papazian. 2,152,274; Mar. 28.
Stencil moistener, Automatic. H. P. Elliott. 2,152,180; Mar. 28.
Stirrup for skis. J. Bertrand. 2,152,527; Mar. 28.
Stock quotation board, Automatic. C. Smith. 2,151,994; Mar. 28.
Stoker. E. A. Turner. 2,152,510; Mar. 28.
Stone cutting machine. P. M. Johanning. 2,152,193; Mar. 28.
Stop control mechanism for coin-operated machines, Automatic. B. E. Mills. 2,152,599; Mar. 28.
Stove. B. B. Kahn. 2,152,261; Mar. 28.
Stove, Camp. L. H. and L. J. Anderson. 2,152,168; Mar. 28.
Strain gauge. W. Messinger. 2,152,556; Mar. 28.
Strip fastener. C. L. Hall. 2,152,590; Mar. 28.
Stroke perfecting device for golfers. H. Harpster. 2,152,381; Mar. 28.
Structure for electrically curing or hardening moist workpieces. J. M. Smith. 2,152,365; Mar. 28.
Suction cleaner. F. L. Pierce. 2,152,277; Mar. 28.
Suction cleaner. D. G. Smellie. 2,152,289; Mar. 28.
Superheater boiler. W. H. Armacost. 2,152,340; Mar. 28.
Support: *See*—
Golf bag support.
Radiator and engine support.
Support for articles, Assemblable. H. E. Hoffman. 2,152,192; Mar. 28.

Support for wire wheels. E. P. Moslo. 2,152,559; Mar. 28.
Support or trainer, Plant. H. W. Barnhart. 2,152,018; Mar. 28.
Support replacement device, Slidable sash. A. Ruesch. 2,152,361; Mar. 28.
Surfaces in pattern form, Production of piled. A. F. Meston and H. A. Wintermute. 2,152,077; Mar. 28.
Switch: *See*—
Electric switch. Mercury switch.
Flashing switch.
Switch. J. Arcelon. 2,152,450; Mar. 28.
Switch apparatus for timing X-ray exposures, Body operated. F. M. Guiland. 2,152,045; Mar. 28.
Switch gear, Electric. C. H. Hill. 2,152,478; Mar. 28.
Tag fastening device. C. A. Flood. 2,152,349; Mar. 28.
Tampons, Forming. J. L. Webb. 2,152,230; Mar. 28.
Tank. D. de la Cuesta. 2,152,246; Mar. 28.
Target, Disappearing. F. Bunnerlight. 2,152,026; Mar. 28.
Telegraph line circuit. F. S. Kinkead. 2,151,772; Mar. 28.
Telephone-hand-set mounting. H. F. Obergfell. 2,152,494; Mar. 28.
Telephone system. H. Hovland. 2,151,767; Mar. 28.
Telepicture recording system. W. G. H. Finch. 2,152,348; Mar. 28.
Television and the like system. C. O. Browne. 2,152,464; Mar. 28.
Television method. W. Scheppmann. 2,151,942; Mar. 28.
Television system. R. C. Ballard. 2,152,234; Mar. 28.
Temperature, Apparatus for measuring. H. G. Mead. 2,151,928; Mar. 28.
Tent, Chapel. M. E. Gottlieb. 2,151,908; Mar. 28.
Terminal mounting. L. W. Haig. 2,152,379; Mar. 28.
Textile fibers and the like and product, Lubricating. L. W. Wasum. 2,151,952; Mar. 28.
Thermocouple. R. R. Ridgway. 2,152,153; Mar. 28.
Thermostat. E. K. Clark. 2,151,744; Mar. 28.
Thimble. W. C. Russell. 2,152,096; Mar. 28.
Thread guide. F. Cass. 2,152,136; Mar. 28.
Threads, filaments and the like, Manufacture of. E. A. Morton. 2,152,620; Mar. 28.
Tie plate, Rail retaining. H. G. Warr. 2,152,337; Mar. 28.
Time delay combination lock. C. M. Hirn. 2,152,258; Mar. 28.
Tin wrapping machine, Helical. J. D. Lear. 2,152,437; Mar. 28.
Tire, Pneumatic. B. H. Benson and B. E. Mendelsohn. 2,152,131; Mar. 28.
Tire pressure indicating device. E. R. Smith, E. J. Redd, and O. L. Smith. 2,152,159; Mar. 28.
Toaster, Automatic electric. F. W. Scharf. 2,152,100; Mar. 28.
Toaster, Electric. G. Lavenburg. 2,151,705; Mar. 28.
Toaster, Electric. H. R. Mitchell. 2,151,790; Mar. 28.
Toasting apparatus. A. C. Goddard. 2,151,695; Mar. 28.
Tobacco, Conditioning. R. D. Touton. 2,151,947; Mar. 28.
Toe iron. T. Elliott. 2,152,181; Mar. 28.
Toilet paper holder. J. H. Wilson. 2,152,426; Mar. 28.
Tool: *See*—
Clothes manipulating tool. Machine tool.
Electric surfacing tool.
Tool feed, Hydrostatic. F. A. Wagner. 2,152,293; Mar. 28.
Tool transmission and control, Machine. W. I. Senger. 2,151,808; Mar. 28.
Tooth restoration and anchorage and forming same. L. E. Trinkle. 2,151,723; Mar. 28.
Torch igniting apparatus. L. V. Aronson. 2,152,451; Mar. 28.
Torque and speed transmission device. O. E. Szekely. 2,151,722; Mar. 28.
Torque measuring wrench. H. W. Zimmermann. 2,151,953; Mar. 28.
Towing device for trucks and the like. H. and W. Randall. 2,152,279; Mar. 28.
Toy. A. W. Gard. 2,152,542; Mar. 28.
Toy vehicle. F. R. Labin. 2,152,064; Mar. 28.
Tractor attachment for wheels. W. E. Hardeman and R. F. Daw. 2,152,476; Mar. 28.
Traffic controlling apparatus, Railway. L. V. Lewis. 2,152,384; Mar. 28.
Trailer. P. H. Raven. 2,151,870; Mar. 28.
Trailer hitching. H. S. Jandus and H. L. Brooke. 2,151,920; Mar. 28.
Transformer tank structure. W. G. James. 2,151,770; Mar. 28.
Transmission. T. B. Tyler. 2,151,950; Mar. 28.
Transmission control mechanism. E. J. Benz. 2,152,581; Mar. 28.
Transmission mechanism. R. S. Sanford. 2,152,098; Mar. 28.
Transmission regulation. I. G. Wilson. 2,151,821; Mar. 28.
Transmission, Variable ratio power. O. E. Szekely. 2,152,622; Mar. 28.
Transmitters, Modulating high frequency. E. Kramar and E. Heinecke. 2,151,921; Mar. 28.
Tri-(4-tertiary-alkyl-1,2-phenylene) phosphates. E. C. Britton and C. L. Moyle. 2,151,680; Mar. 28.
Trigger for machine guns. J. L. Lockhead. 2,151,708; Mar. 28.
Truck, Box hand. T. Shaw. 2,152,217; Mar. 28.
Truck standard, Logging. W. F. West. 2,152,578; Mar. 28.
Truss, Roof. J. S. Edison. 2,151,959; Mar. 28.
Tube: *See*—
Discharge tube. Electron discharge tube.
Electron tube. Photoelectric tube.
Tube and apparatus employing same, Electronic. O. T. McIlvaine. 2,152,321; Mar. 28.
Tube and cap therefor, Collapsible. G. W. Temple. 2,152,001; Mar. 28.
Tube plate for multitubular boilers. F. C. Huygen. 2,152,260; Mar. 28.
Tubes, Coating collapsible. R. [illegible] White. 2,152,516; Mar. 28.
Tubing, Apparatus for and process of making reinforced. A. J. Berg. 2,151,685; Mar. 28.
Tubing or other long lengths of metal, Apparatus for copper welding or heat treating. B. L. Quarnstrom. 2,151,989; Mar. 28.
Tuning of radio receiving apparatus, Method and device for remote. C. J. van Loon. 2,152,336; Mar. 28.
Tunnel and determining stream line contours, Wind. A. J. Kramer. 2,152,317; Mar. 28.
Type composing machine. F. H. Poeppelmeier. 2,152,209; Mar. 28.
Utensil, Automatic electric cooking. A. C. Wilcox. 2,152,122; Mar. 28.
Vacuum apparatus. L. Blumer. 2,151,679; Mar. 28.
Vacuum cleaner. E. Faber. 2,151,842; Mar. 28.
Values from phosphate rock, Recovering. W. R. Seyfried. 2,152,364; Mar. 28.
Valve: *See*—
Cut-off valve. Diving [illegible] alve.
Valve. C. E. Berstler. 2,152,128; Mar. [illegible]
Valve. M. R. Lieb and W. W. Wassum. 2,152,554; Mar. 28.
Valve amplifying circuit. L. E. Barton. 2,[illegible]829; Mar. 28.
Valve stem and constructing same. A. E. Bronson and W. F. Goff. 2,152,373; Mar. 28.
Valve structure, Compressor. C. S. Cody. 2,151,746; Mar. 28.
Valve tappet. J. L. Dostal. 2,152,403–4; Mar. 28.
Vapor-liquid separator. R. B. Millard. 2,151,863; Mar. 28.
Vaporizer. J. B. Clyne. 2,152,466; Mar. 28.
Vaporizer, Electric. J. Robinson. 2,151,719; Mar. 28.
Varnish. H. Kline. 2,151,975; Mar. 28.
Vehicle: *See*—
Toy vehicle.
Vehicle body. D. G. Renno. 2,152,508; Mar. 28.
Vehicle control system, Automatic. A. R. Williams. 2,152,123; Mar. 28.
Vehicle loading device. E. R. Barrett. 2,151,887; Mar. 28.
Veneering press. H. Wiederkehr. 2,151,880; Mar. 28.
Ventilating device. A. R. Younger. 2,152,614; Mar. 28.
Ventilator, Cowl. R. H. Dean. 2,151,748; Mar. 28.
Ventilator, Window. M. A. Galgoczy, Jr. 2,152,249; Mar. 28.
Vertical geared motor. W. P. Schmitter and R. Wiken. 2,152,607; Mar. 28.
Vessel, Electric discharge. O. Baier. 2,151,885; Mar. 28.
Vessels, Method and apparatus for producing glass. J. Dichter. 2,151,840; Mar. 28.
Vibrator, Bone-conduction hearing-aid. H. Lieber. 2,151,706 Mar. 28.
Vise, Bench. E. L. King. 2,152,058; Mar. 28.
Vulcanizing and stretching press. C. F. Schnuck. 2,152,503; Mar. 28.
Washing machine. D. Hays. 2,152,477; Mar. 28.
Water culture of vegetation, Apparatus for. W. M. Hansen. 2,152,254; Mar. 28.
Water for power purposes and the like, Method of and apparatus for providing filtered. J. M. Maher. 2,152,619; Mar. 28.
Water tube boiler. E. Pokorný. 2,151,988; Mar. 28.
Wave generation and modulation. K. Fritz and W. Runge. 2,152,035; Mar. 28.
Waving apparatus, Permanent. W. H. Brown. 2,152,343; Mar. 28.
Waving device, Permanent. W. H. Brown. 2,152,344; Mar. 28.
Waving mechanism, Permanent. F. K. Bezzenberger. 2,152,342; Mar. 28.
Weaving, Method and loom for. E. Hefti. 2,152,255; Mar. 28.
Weight, Split life. E. C. Baker. 2,152,233; Mar. 28.
Welding apparatus. R. K. Hopkins. 2,151,914–15; Mar. 28.
Welding apparatus. C. Lorenz and C. F. Kaunitz. 2,152,506; Mar. 28.
Welding control system with polarizing relay. J. W. Dawson. 2,151,749; Mar. 28.
Welding, Electric. L. T. Jones. 2,152,194; Mar. 28.
Welding electrode holder. E. Riemenschneider and M. G. Fettel. 2,151,871; Mar. 28.
Welding, Resistance. J. R. Gier, Jr. 2,151,758; Mar. 28.
Welding rod. P. Schoenmaker. 2,152,286; Mar. 28.
Welding system, Arc. R. E. Marbury. 2,151,786; Mar. 28.

Wells, Preventing infiltration in. J. J. Grebe. 2,152,307–8; Mar. 28.
Wheel: *See*—
Hand steering wheel.
Wheel machining apparatus. F. L. Hall. 2,152,380; Mar. 28.
Winches, Controlling apparatus for. G. T. MacFarlane. 2,152,555; Mar. 28.
Window construction. G. A. Kreuscher. 2,152,488; Mar. 28.
Window lock. R. B. Parrott. 2,151,934; Mar. 28.
Window regulator. H. L. Kegler. 2,152,055; Mar. 28.
Window strip installation and fastener for the same. W. H. Churchill. 2,152,582; Mar. 28.
Window strip installation and fastener for the same. H. J. Murphy. 2,152,601; Mar. 28.
Window, Ventilating storm. E. W. Phillips. 2,152,566; Mar. 28.
Wire tightener and fastener, Concrete form tie. A. T. Pryne. 2,152,090; Mar. 28.
Wood joint fastener. M. C. Putnam. 2,151,716; Mar. 28.
Wood preserving liquid, Aqueous. O. Steinhierz. 2,152,160; Mar. 28.
Wrapping machine. M. Krafft. 2,152,142; Mar. 28.
Wrapping machine, Automatic. A. O. Shafer. 2,152,330; Mar. 28.
Wrench: *See*—
Torque measuring wrench.
Yarn measuring machine. J. A. Adell. 2,152,232; Mar. 28.
Yarns and the like, Effecting intermittent treatment of running. W. I. Taylor and A. H. Woodruff. 2,152,222; Mar. 28.

CLASSIFICATION OF PATENTS

ISSUED MARCH 28, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1939

Patents Nos. 2,149,250 to 2,150,141

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Adjudicated Patents

(C. C. A. Wis.) Schmithals patent, No. 1,549,387, for baling press, claims 4 and 6 *Held* invalid. *Logemann Bros. Co.* v. *Galland-Henning Mfg. Co.*, 100 F.(2d) 557.

(C. C. A. Wis.) Jacobson and Kruse patent, No. 1,766,642, for baling press, claim 1 *Held* invalid. *Id.*

(D. C. Ohio.) McGowen patent, No. 1,959,032, for swing, *Held* valid and infringed. *McKay Co.* v. *Shott Mfg. Co.*, 25 F. Supp. 716.

(D. C. N. Y.) Veit patent, No. 1,962,264, for hair cutting and thinning shears, claims 3 to 7 *Held* valid and infringed. *Jetter & Scheerer Products* v. *Gibbs & Co.*, 25 F. Supp. 697.

(D. C. Ohio.) Goodman design patent, No. 91,997, for design for a glider, *Held* invalid. *McKay Co.* v. *Shott Mfg. Co.*, 25 F. Supp. 716.

(C. C. A. Ohio.) Woodford reissue patent, No. 19,148, for apparatus for supplying air under pressure, *Held* not infringed. *Service Station Equipment Co.* v. *Air Scale Co.*, 100 F.(2d) 498.

(C. C. A. Mass.) Storck reissue patent, No. 19,951, for apparatus for duplicating imprinted matter, claim 8 *Held* invalid, and claims 3, 19, 20, 21, 22, 29, 30, 32, 34, and 40 *Held* valid and infringed. *Standard Mailing Machines Co.* v. *Ditto, Inc.*, 100 F.(2d) 466.

Disclaimers

Re. 19,217.—*John Prachar*, deceased, late of Cleveland, Ohio, by *The Apex Electrical Manufacturing Company*, assignee. IRONING MACHINE. Patent dated June 19, 1934. Disclaimer filed February 8, 1939, by the assignee, *The Apex Electrical Manufacturing Company.*

Hereby disclaims claim 24 from the specification of the said patent.

Re. 19,217.—*John Prachar*, deceased, late of Cleveland, Ohio, by *The Apex Electrical Manufacturing Company*, assignee. IRONING MACHINE. Patent dated June 19, 1934; disclaimer filed February 16, 1939, by the assignee, *The Apex Electrical Manufacturing Company.*

Hereby disclaims claims 14, 19, 20, and 21 from the specification of said patent.

1,658,052.—*Fred J. Kline*, Bayville, N. Y. FASTENER. Patent dated February 7, 1928. Disclaimer filed February 8, 1939, by the assignee, *Acco Products, Inc.*

Hereby enters this disclaimer to claims 3 and 6 of said patent.

2,021,097.—*Frank Maus*, San Francisco, Calif. WASHING MACHINE. Patent dated November 12, 1935. Disclaimer filed February 8, 1939, by the assignee, *The Apex Electrical Manufacturing Company.*

Hereby disclaims claims 16, 18, and 20 from the specification of the said patent.

2,021,097.—*Frank Maus*, San Francisco, Calif. WASHING MACHINE. Patent dated November 12, 1935. Disclaimer filed February 16, 1939, by the assignee, *The Apex Electrical Manufacturing Company.*

Hereby disclaims claim 22 from the specification of said patent.

2,087,021.—*Harry J. Criner and Harry E. Criner*, Davenport, Iowa. DRIVING GEAR. Patent dated July 13, 1937. Disclaimer filed February 6, 1939, by the patentees; the assignee of one-third interest, *A. G. Bush*, assenting.

Hereby enter a disclaimer to claims 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 12 in said Letters Patent.

Condition of Applications Under Examination at Close of Business February 18, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,762; Trade-Mark Division, 1,519. Oldest new case, July 16, 1938; oldest amended, June 30, 1938.)
(The dates given are 1938 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 14	Sept 14	716
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 13	Oct 4	674
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 3	Dec. 30	210
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Sept. 6	Oct. 24	434
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 23	Nov. 21	537
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	July 25	Aug. 19	1068
5725	7. JARBOE, C. G., Optics; Photography	Nov. 8	Nov. 8	924
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 18	Oct. 20	939
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 20	Oct. 20	558
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 2	Nov. 18	563
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 1	Nov. 7	454
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	July 27	Aug. 4	675
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept 26	Sept. 26	677
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Nov. 30	Nov. 30	441
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 13	Oct. 13	1104
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 27	Sept. 6	741
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 14	Sept. 14	505
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 25	Aug. 31	554
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Oct. 26	Nov. 3	496
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 19	Dec. 15	285
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 14	Nov. 21	505
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Oct. 31	Nov. 2	712
7624	23. BUTTNER, W. J., Registers (part)	July 16	June 30	286
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 15	Dec. 10	418
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 27	Oct. 27	422
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Oct. 18	Oct. 20	576
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	Aug. 24	Aug. 24	1031
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 7	Oct. 26	448
5082	29. SHKLARIN, J. B., Woodworking: Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Oct. 11	Oct. 11	621
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Aug. 27	Aug. 27	870
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 19	Nov. 18	631
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 9	Aug. 10	493
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Oct. 31	Oct. 27	733
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 19	Dec. 6	225
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 20	Oct. 22	587
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 17	Sept. 10	578
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 11	Aug. 19	722
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Sept. 2	Sept. 1	507
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 2	Nov. 4	490
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 19	Sept. 22	1452
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Aug. 6	198
5882	42. CUTTING, H. O., Electric Signaling	July 16	July 18	648
4886B	43. KLINOE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 24	Sept. 24	478
4087B	44. HARVEY, L. P., Refrigeration	Sept. 19	Sept. 12	651
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 22	Oct. 4	682
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Sept. 29	Sept. 29	687
6082	47. LOWE, E. R., Clutches; Brakes	Oct. 21	Oct. 29	397
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 12	Nov. 14	352
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 13	Aug. 6	959
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 18	Sept. 1	1234
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 10	Nov. 10	746
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 12	Nov. 10	757
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 2	Nov. 9	568
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 10	Nov. 1	403
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	July 27	1281
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Sept. 18	Sept. 18	1060
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 5	Aug. 25	453
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 10	Nov. 14	325
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 5	Nov. 10	614
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Oct 19	Oct. 19	465
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Belt-Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 2	Sept. 7	529
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 1	Dec. 7	421
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 23	Oct. 24	419
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 12	Oct. 11	988
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 8	Sept. 9	610
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	†Jan. 16	†Feb. 12	1452
2605	Designs: H. H. KALUPY (Labels and Prints	†Feb. 14	†Feb. 17	67
		†Jan. 11	†Jan. 21	975

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE KERN

No. 4,044. Decided December 19, 1938

[100 F.(2d) 247]

PATENTABILITY—PROCESS FOR HOMOGENIZING AN EMULSION OR SUSPENSION OF A RESIN, AND THE PRODUCT OF SUCH PROCESS.

Claims for a process for homogenizing an emulsion or suspension of a resin and claims for the product of such process *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. E. F. Wenderoth (*Mr. John E. Lind* of counsel) for Kern.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.:*

The Primary Examiner of the United States Patent Office rejected all the claims of appellant's application for a patent relating to a process of treating a resin. The Board of Appeals affirmed the decision of the Examiner rejecting said claims and the applicant has appealed here.

The rejected claims on appeal here number 43 to 54, inclusive, of which claims 43 and 51 are illustrative and follow:

> 43. The process of homogenizing a resin comprising adding to said resin a softening agent which will reduce the melting point of said resin then adding thereto an aqueous solution of an emulsifier and emulsifying in said solution and then homogenizing said product under pressure.
>
> 51. A homogenized aqueous emulsion of resin having incorporated therewith an emulsifier and a softening agent which will reduce the melting point of said resin.

The references cited are as follows: Dunham, 1,449,976, March 27, 1923; Plauson, 1,706,590, March 26, 1929; Kirschbraun, 1,733,497, October 29, 1929; Kirschbraun, 1,781,645, November 11, 1930; Lloyd, 1,833,612, November 24, 1931.

Appellant's application relates to a process for homogenizing an emulsion or suspension of a resin and the product of such process. In making the resin or other material, such as tar, asphalt, or bitumen homogeneous, appellant's process comprises placing the material in a homogenizing machine. Such machines are old in the art, and perform the function of mixing the material so as to make all parts of it homogeneous. He operates the homogenizing machine after the material has been softened by the addition of media such as soft waxes, oil of turpentine of high boiling point, alcohols of high boiling point, esters, fatty oils, bile acids, waxes of low melting point, paraffins, mineral oils, and tar oils. Appellant states that in the art the problem has been to render resins homogeneous in the presence of water; that he has discovered that if one will soften the material to be homogenized as suggested, the material will remain soft; that he obtains resin dispersions which are "insensible to acids and substances which render the water hard"; and that the substances obtained by his improved process may be used for "sizing, for rendering bodies water-proof or otherwise impregnating the same, for cold saponification of resin, as painting matter and lacquer".

Appellant's application as finally rejected by the Examiner consisted of claims numbered 31 to 42, inclusive. After appeal to the Board, appellant submitted additional claims which are the ones now on appeal here, together with an affidavit explaining the merits of the process. The case was then remanded to the Primary Examiner who, in a supplemental statement, rejected the new claims upon the ground that they were for the same subject matter as the ones they replaced except that it was stated that they were in better form. The Board then handed down its decision affirming the rejection of the Examiner as to the appealed claims.

The Examiner fully set out what the references showed and stated that claims 31 to 38 (corresponding to renumbered claims 43 to 50) were rejected on Kirschbraun No. 1,733,497, which discloses the production of an asphalt emulsion by first treating the asphalt with a fluxing oil to soften the same and then emulsifying this treated asphalt. The emulsion formed is then subjected to a beating or whipping treatment. The Examiner stated that he considered the beating and whipping action to which the emulsion was subjected as being the equivalent of the homogenizing action to which applicant's emulsion is subjected.

He further stated that the process and product claims were additionally rejected as lacking invention over Kirschbraun, No. 1,733,497, in view of the patent to Dunham. Dunham shows the use of a homogenizing machine. Dunham's process was for the production of a fine and relatively stable emulsion which includes fatty oils used in industry. He states:

> The oil in question is emulsified in a suitable liquid, for example an albuminous liquid such as casein dissolved in alkali. The oils may be used alone or in mixtures with other oils (drying or not drying), waxes, greases, pigments or dyes or other filling or conditioning agents. The resulting mixture is then homogenized, for example by being passed one or more times through a suitable homogenizer under a pressure from 3000 to 10,000 pounds per square inch, * * *.

It seems that neither the Examiner in his statement nor the Board in its decision has referred specifically to the second cited Kirschbraun patent. However, in one of the letters of the Examiner it is referred to for the purpose of showing that it is old in the art to flux a thermoplastic material before emulsifying the same in a high speed disintegrator.

The claims were also rejected by the Examiner as lacking invention over the process carried out in the patent to Lloyd. In Lloyd the asphalt emulsion in which the asphalt has been softened by hydrocarbon solvents is passed through a grinding mill. The Examiner took the position that no invention would be involved in using a homogenizing machine, which was old in the art, instead of the grinding mill.

The affidavits attempt to show that there is a

distinction between the operation of and the results flowing from the use of a colloidal mill, and that of a homogenizing machine. The Examiner recognized the differences in the two processes but stated that in view of the prior art it would not involve invention to use the homogenizing machine instead of the grinding mill. The affidavits attempted to show further that the action of a homogenizing machine would not be successful unless the asphalt, wax, and the like were softened with a fatty oil, turpentine oil, etc. The Examiner stated that it was old in the art as was shown by the cited patents to use a softening agent where emulsions were being prepared. He stated that the softening agents used in the patents were considered to be equivalents of the group of specific softening agents which are defined in the claims on appeal and referred to in the specification.

The Board of Appeals in affirming the action of the Examiner briefly discussed some of the references. It stated:

On careful consideration, it is our view that invention is not involved in applying the step of homogenizing as disclosed by Dunham applied to one emulsion, to any of the conventional emulsions such as that shown by Kirschbraun. While these two features of specifically softening a resin and homogenizing are not specifically shown as associated in one citation, it is our view that it would be obvious to apply a homogenizing step to any emulsion or at least to try to do so, and since Kirschbraun's emulsion has the resinous material dissolved or softened by solvent, all of the alleged advantages of applicant's treatment would apply. We have considered the showing in the affidavits of record without reaching a different conclusion. The remaining citations are regarded as cumulative to the above ground of rejection.

We agree with the decision of the Board that appellant's application discloses nothing inventive over the prior art cited. What appellant has done would seem to be the obvious thing to do in view of the patent disclosures of record.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,395,523. (See 1,457,188.)

1,434,710, A. B. Lantz, Automatic non-rigid hay fork; 1,489,256, same, Flexible-tine hay fork, D. C., N. D. Ill., E. Div., Doc. 16182, *B. H. Lantz et al.* (*Lantz Mfg. Co.*) v. *H. D. Hudson Mfg. Co. et al.* Dismissed as to W. E. McCleary. Consent decree holding patents valid and infringed, injunction Nov. 17, 1938.

1,443,149, P. Schidrowitz, Composition and method of making same; 1,682,857, same, Manufacture of rubber and the like, C. C. A., 1st Cir., Doc. 3315, *Vultex Corp. of America et al.* v. *Hevecatex Corp. et al.* Decree affirmed (notice Jan. 12, 1939).

1,449,103, F. Hayduck, Process for the manufacture of compressed yeast; 1,449,106, 1,449,109, 1,449,105, same, Low alcohol yeast process; 1,449,127, Nilsson & Harrison, Process of producing yeast; 1,449,134, A. Wohl, Method of treating molasses; 1,475,215, same, Method for the production of yeast; 1,673,735, Corby & Buhrig, Process for the manufacture of yeast; 1,688,831, F. Ransohoff, Method of treating molasses, D. C. N. J., Doc. E 4552, *Standard Brands, Inc.*, v. *National Grain Yeast Corp.* Patents 1,449,127, 1,449,134, 1,475,215, and 1,688,831 were withdrawn before trial. Claims 1 to 4 and 7 to 15, inclusive, of 1,449,103 held valid, and injunction ordered. All claims of 1,449,105, claims 1, 3, 4, 5, 6, 8, 12, 13, and 15 of 1,449,106, all claims of 1,449,109, claims 1, 5, 6, 10, 13, 14, 17, 18, and 21 of 1,673,735 held invalid. Bill dismissed as to 1,449,105, 1,449,106, 1,449,109, and 1,673,735 (notice Jan. 11, 1939).

1,449,105. (See 1,449,103.) 1,449,106. (See 1,449,103.) 1,449,109. (See 1,449,103.) 1,449,127. (See 1,449,103.) 1,449,134. (See 1,449,103.)

1,457,188, E. W. Rogers, Multiple hole top for burner stoves; 1,395,523, same, Attachment for stoves, C. C. A., 4th Cir., Doc. 4358, *Montgomery Ward & Co., Inc.*, v. *E. W. Rogers et al.* Decree reversed Jan. 9, 1939.

1,459,662. (See 1,475,980.)

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection, appeal filed (notice received Jan. 6, 1939), C. C. A., 2d Cir., Doc. —, *Good Humor Corp. of America* v. *Yukon Ice Cream Co., Inc.*

1,475,215. (See 1,449,103.)

1,475,980, 1,632,985, O. Zerk, Lubricating apparatus; 1,711,871, same, Lubricating mechanism; 1,459,662, C. W. Manzel, Lubricating system, D. C., N. D. Ohio, W. Div., Doc. E 1432, *Stewart-Warner Corp.* v. *The Air Scale Co.* Dismissed without prejudice Jan. 4, 1939.

1,489,256. (See 1,434,710.)

1,564,378, H. Stein et al., Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs, D. C., S. D. N. Y., Doc. E 85/242, *Steinfur Patents Corp.* v. *B. Malitz et al.* (*Malitz & Feldman*). Dismissed for lack of prosecution Dec. 30, 1938. Doc. E 85/277, *Steinfur Patents Corp.* v. *Gordon & Rosenberg Furs, Inc.* Decree as above.

1,573,200. (See 1,564,378.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 2,052,316, R. E. Sagle, Variable condenser, D. C., N. D. Ill., E. Div., Doc. 16116, *R. C. A. et al.* v. *Music Master, Inc., et al.* Decree pro confesso, finding patents valid and infringed; injunction Nov. 14, 1938.

1,632,985. (See 1,475,980.) 1,673,735. (See 1,449,103.)

1,682,857. (See 1,443,149.) 1,688,831. (See 1,449,103.)

1,703,519, J. P. Dovel, Method for the protection of blast furnace jackets; 1,703,520, same, Apparatus for the protection of blast furnace jackets, filed Oct. 19, 1938, D. C., E. D. Pa., Doc. 46, *J. P. Dovel & Co., Inc.*, v. *Bethlehem Steel Co.*

1,703,520. (See 1,703,519.) 1,707,617. (See 1,573,374.)

1,711,871. (See 1,475,980.)

1,713,242, S. A. Stranahan, Steering gear check; 1,846,694, S. Seth, Anti-shimmying device for steering mechanism, C. C. A., 2d Cir., Doc. —, *General Motors Corp. et al.* v. *Apollo Magneto Corp.* Decree reversed (notice Jan. 9, 1939).

1,718,997. (See 1,470,524.)

1,718,025, R. Bishimger, Hair curling appliance; Re. 18,841, J. Mayer, Hair waving method, D. C., N. D. Ill., E. Div., Doc. 16121, *The Philad Co.* v. *M. H. Cearn et al.* Consent decree, finding claims 2, 8, 9, and 10 valid and infringed; injunction Aug. 25, 1938.

1,718,997. (See 1,470,524.)

1,721,530 (a), 1,757,978, J. Schick, Shaving implement, D. C., S. D. Calif. (Los Angeles), Doc. E 1273–C, *Schick Dry Shaver, Inc., et al.* v. *Nicholl, Inc.* Claims 1, 4, 13, 14, 15, 16, 17, 19, and 21 of 1,721,530, and claims 1 and 5 of 1,757,978 held valid, injunction Jan. 9, 1939.

1,721,530 (b), 1,757,978, 1,747,031, J. Schick, Shaving implement, D. C., S. D. Calif., C. Div., Doc. E 1274–J, *Schick Dry Shaver, Inc., et al.* v. *Motoshaver, Inc., et al.* Claims 1, 4, 13, 14, 15, 16, and 17 of 1,721,530, claim 19 of 1,757,978, and claim 1 of 1,747,031, held valid. Injunction as to Motoshaver, Inc.; bill dismissed as to Dalmo Mfg. Co. Jan. 9, 1939.

1,747,031. (See 1,721,530 (*b*).)

1,757,978. (See 1,721,530 (*a*) and (*b*).)

1,780,711, I. J. Lichter, Call system; 1,795,536, R. B. Baker, Paging system, filed Jan. 7, 1939, D. C., S. D. N. Y., Doc. 2/131, *The Holtzer-Cabot Electric Co.* v. *Auth Electrical Specialty Co., Inc.*

1,795,214. (See 1,573,374.) 1,795,536. (See 1,780,711.)

1,803,957. (See 2,043,732.) 1,826,648. (See 2,043,732.)

1,846,694. (See 1,713,242.)

1,892,426, 1,894,032, 1,919,690, R. L. Evans, Method of and means for permanently waving hair; 2,051,063, F. M. Winkel, Hair waving unit, D. C. Md., Doc. E 2530, *Zotos Corp.* v. *United Beauty Supply Co.* Consent decree holding patents valid and infringed; injunction Dec. 19, 1938.

1,894,032. (See 1,892,426.) 1,894,197. (See 1,573,374.)

1,895,409, R. Drucker, Register or index; 2,115,537, E. W. Peter, Index device, D. C., N. D. Ill., E. Div., Doc. 16197, *The Bates Mfg. Co. et al.* v. *Autopoint Co.* Dismissed without prejudice Oct. 5, 1938.

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings; 2,034,618, same, Tire retreading apparatus, filed Sept. 15, 1938, D. C., E. D. Pa., Doc. 10127, *P. E. Hawkinson Co. et al.* v. *S. Carnell et al.* (*Carnell & Bradburn*).

1,917,262. (See 1,917,261.) 1,919,690. (See 1,892,426.)

1,942,574, I. Shapiro, Athletic shoe; 2,080,680, L. R. Walther, same, D. C., N. D. Ill., E. Div., Doc. 16147, *The Athletic Shoe Co.* v. *The P. Goldsmith Sons, Inc., et al.* Consent decree holding patents valid and infringed; injunction Nov. 21, 1938.

1,945,734, H. R. Cullmer, Door lock and framing; 2,060,283, same, Elevator car control, appeal filed (notice Jan. 5, 1939), C. C. A., 2d Cir., Doc. —, *Elevator Appliance Co., Inc., et al.* v. *E. Brooks.*

2,034,618. (See 1,917,261.)

2,043,732, Bragg & Kliesrath, Brake mechanism for automotive vehicles; 1,826,648, 1,803,957, same, Power actuator, D. C., N. D. Calif. (San Francisco), Doc. E 4276–R, *Bragg-Kliesrath Corp.* v. *D. F. Searle* (*Searle Air Brake Co.*). Consent decree holding patents valid and infringed; injunction Jan. 3, 1939.

2,051,063. (See 1,892,426.) 2,052,316. (See 1,573,374.)

2,060,283. (See 1,945,734.) 2,080,680. (See 1,942,574.)

2,115,537. (See 1,895,409.)

Re. 17,393. (See Re. 18,841.)

Re. 18,841. (See 1,718,025.)

Re. 18,841 (of Re. 17,393), J. Mayer, Hair waving method, filed Jan. 7, 1939, D. C., S. D. Calif., C. Div., Doc. 193–M, *The Philad Co.* v. *S. O. Ronk* (*Waval Supply Co.*) *et al.*

Des. 84,886, A. Fázekas, House-number-plate; Des. 87,911, same, Illuminated house number plate, D. C., N. D. Calif. (San Francisco), Doc. E 4217–S, *A. Fazekas* v. *E. L. Reed et al.* Patents held valid; infringed by E. L. Reed and G. S. Hansen; bill dismissed as to C. W. Budd. Injunction Jan. 4, 1939.

Des. 87,911. (See Des. 84,886.)

T. M. 13,064, C. Conrad & Co., Lager beer; T. M. 64,125, Anheuser-Busch, Inc., Beer, D. C., N. D. Ill., E. Div., Doc. 16074, *Anheuser-Busch, Inc.*, v. *Superior Brewing Co.* Consent decree, enjoining defendant July 12, 1938.

T. M. 64,125. (See T. M. 13,064.)

T. M. 72,087, California Fruit Growers Exchange, Oranges; T. M. 85,069, same, Lemons; T. M. 117,107, same, Citrus fruits; T. M. 301,281, same, Citrus fruit juices and concentrates, D. C., N. D. Ill., E. Div., Doc. 16,075, *California Fruit Growers Exchange* v. *Sunkist Orange Juice Co., Inc.* Default decree enjoining defendant Sept. 30, 1938.

T. M. 85,069. (See T. M. 72,087.)

T. M. 117,107. (See T. M. 72,087.)

T. M. 123,667, Vicks Chemical Co., A medicinal salve for external use, liver-pills, and a liniment; T. M. 314,174, same, Laxative pills, medicinal salves, etc.; T. M. 336,963, same, Medicine dropper, D. C., N. D. Ill., E. Div., Doc. 16199, *Vicks Chemical Co.* v. *V. E. Czahurski* (*Vic's Pharmacy*). Consent decree enjoining defendant Oct. 19, 1938.

T. M. 137,699, T. M. 202,599, Simmons Co., Metal bedsteads, bed springs, etc., D. C., N. D. Ill., E. Div., Doc. 16190, *Simmons Co.* v. *P. Kitzler et al.* Consent decree, dismissing bill as to M. Orenstein, and restraining P. Kitzler from using name "Simmons" Sept. 23, 1938.

T. M. 202,599. (See T. M. 137,699.)

T. M. 301,281. (See T. M. 72,087.)

T. M. 314,174. (See T. M. 123,667.)

T. M. 336,963. (See T. M. 123,667.)

Changes in Classification

Order No. 3,455, February 15, 1939, directs:

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), establish the following subclass and definition:

Treatment of textiles and fibers with chemicals and fluids
Cleaning and laundering
Scouring and bowking
139.1 With fat solvent.

139.1 Processes under subclass 139 wherein an organic liquid is employed to dissolve the fatty impurities.
Note.—This subclass includes processes wherein the treatment of the wool or cotton is significantly claimed.

The patents contained in this subclass have been taken for the most part from class 8, subclass 139, and class 87, Oils, Fats and Glue, subclasses 6 and 26, which latter subclass is abolished in this order.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), establish the following subclasses and definitions:

Traps
Impaling or smiting
Swinging striker
81.5 Auxiliary striker holder,
83.5 Automatic set.

81.5 Devices designed to temporarily hold the swinging striker of an impaling or smiting trap in a position to permit setting of the elements of the trap in their set positions.

83.5 Impaling or smiting traps of swinging striker type having means for setting the striker, other than a direct-engaging latch, and in which movement of the striker towards set position automatically sets the trap without further manipulation by the operator.
Note.—For details of the latching element search should be made in this class, subclasses 83 and 95.

The patents contained in these subclasses have been taken from class 43, subclasses 81–83, 96, and 97.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), change the title of subclass 82 to read:

Traps
Impaling or smiting
Swinging striker
82 Direct-engaging latch;

and in the definition change "trigger", each occurrence, to read *latch*; and in the definition of subclass 83 change "trigger", each occurrence, to read *latch*, cancel the existing note and substitute:

Note.—For details of the latching element, search this class, subclasses 83.5 and 95.

In *class 87, Oils, Fats and Glue* (Division 64), abolish the following subclasses:

7 Glue.
Refining
2 Turpentine and rosin.
26 Saint.

The patents formerly contained in these subclasses have been placed for the most part in appropriate subclasses in classes 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers; 87, Oils,

Fats and Glue; 134, Liquid Coating Compositions; 202, Distillation; and 260, Chemistry, Carbon Compounds.

In *class 174, Electricity, Conductors and Insulators* (Division 65), change the titles of the following subclasses to read:

Boxes and housings
52 With electric device or mounting means therefor.
66 **Covers or face plates.**

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), in subclass 139 cancel the existing note and substitute:

(1) Note.—Compare this class, subclass 141.
(2) Note.—See class 87, OILS, FATS AND GLUE, subclass 6, and class 260, CHEMISTRY, CARBON COMPOUNDS, subclasses 412 and 420 and indented subclasses, for processes which are directed to the recovery and further treatment of naturally occurring fatty material.

In *class 16, Miscellaneous Hardware* (Division 20), subclass 2, add the following notes:

(6) Note.—See class 85, DRIVEN, HEADED AND SCREW THREADED FASTENINGS, subclass 32.1, for flanged coupling nuts which perform a similar function.
(7) Note.—See class 308, MACHINE ELEMENTS, BEARINGS AND GUIDES, subclass 237 and indented subclasses, for similar bushings which serve as bearings.
(8) **Search class—**
250—RADIANT ENERGY, subclass 76, for face plates and escutcheons provided with fluorescent or phosphorescent material.

In *class 18, Plastics* (Division 15), main class definition, third paragraph, in the second sentence change "oils, fats, glues" to read *oils and fats*; and in subclass 54 cancel the last sentence of the definition.

In *class 85, Driven, Headed and Screw Threaded Fastenings* (Division 57), subclass 32.1, under "Search classes" add in the appropriate place:

16—MISCELLANEOUS HARDWARE, subclass 2.
308—MACHINE ELEMENTS, BEARINGS AND GUIDES, subclass 237 and indented subclasses.

In *class 107, Bread, Pastry and Confection Making* (Division 20), subclasses 20 and 21, in note (2) of each cancel the reference to class 87, Oils, Fats and Glue.

In *class 134, Liquid Coating Compositions* (Division 64), subclass 23.1, cancel note (2) and substitute:

(2) Note.—For glue per se and its reaction products, see class 260, CHEMISTRY, CARBON COMPOUNDS, subclasses 117 and 118.

In *class 174, Electricity, Conductors and Insulators* (Division 65) in the main class definition at the end of paragraph 7 add *see note (15) below*; in subclass 50, in note (7), change the reference to class 175, Electricity, General Applications, to read:

175—ELECTRICITY, GENERAL APPLICATIONS, for boxes and housings limited to use with the electrical equipment of that class, for example, condenser housings, subclasses 41 and 41.5; meter circuit protector housings, subclass 220 and indented subclasses; stationary induction apparatus housings, subclass 361; and housed switchboards, i. e., arrangements of circuit closers on a mounting or the combination with the conductors or bus-bars, subclass 307 and indented subclasses;

and add:

312—SUPPORTS, CABINET STRUCTURES;

In subclass 66 number note (2) as (3) and add:

(2) Note.—Face plates having means specially designed for guiding the prongs of electric plug elements have been placed in this subclass or subclass 67 indented hereunder:

In subclass 69, number notes (1) and (2) as (2) and (3) and add:

(1) Note.—For extensible or elastic woven fabrics, see class 139, TEXTILES, WEAVING, subclass 421 and indented subclasses;

In subclass 173 number the existing note (1), change the period to a comma and add *or other appropriate indented subclass*; and add the following note:

(2) Note.—See class 256, FENCES, subclasses 57 and 71, and the notes thereto;

and in subclass 175 add the following note:

Note.—Compare class 256, FENCES, subclass 53.

In *class 183, Gas Separation* (Division 32), subclass 2.7, add the following note:

(4) Note.—For traps comprising liquid collecting chambers with discharge means responsive to liquid level, see class 137, WATER DISTRIBUTION, subclass 103.

In *class 189, Metallic Building Structures* (Division 33), subclass 27, change the last sentence of note (1) to read:

Insulators for conductors generally are classified in class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 137 and indented subclasses.

In *class 200, Electricity, Circuit Makers and Breakers* (Division 37), in the main class definition, in note (2), cancel "generally" and at the end thereof add *including enclosed or housed switchboards*;

and in subclass 166 change note (1) to read:

(1) Note.—Contacts as mere conducting elements are in class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 126 and indented subclasses.

In *class 202, Distillation* (Division 64), subclasses 56 and 65, under "Search classes" cancel the reference to class 87, Oils, Fats and Glue; in subclass 71, in note (2), cancel the reference to class 87, Oils, Fats and Glue; and in subclass 76 cancel note (2).

In *class 220, Metallic Receptacles* (Division 40), subclass 3.2, add the following note:

(3) Note.—Compare class 285, PIPE JOINTS OR COUPLINGS, subclasses 201.5 and 205 and indented subclasses, for mere pipe fittings and couplings;

in subclass 3.4 add the following note:

Note.—This subclass includes devices for keeping plaster, concrete, paint, etc. out of the box during the plastering, painting or other operations;

in subclass 3.7, number the existing note (2) and add:

(1) Note.—Compare this class, subclass 8, for receptacles having telescoping sections;

and in subclass 24.3 add the following note:

Note.—Complete the search in class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 67.

In *class 248, Supports* (Division 52), subclass 354, number the existing note (1) and add:

(2) Note.—For extensible ladder terminals and feet, see class 228, LADDERS, subclass 63.

In *class 260, Chemistry, Carbon Compounds* (Division 6), subclass 117, in note (1) cancel "class 87, subclass 7, and".

In *class 285, Pipe Joints or Couplings* (Division 52), subclass 205, add the following note:

(8) Note.—Compare class 220, METALLIC RECEPTACLES, subclass 3.2 and indented subclasses, for analogous structures constituting receptacles of the outlet or junction box type.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), subclass 237, add the following note:

(1.5) Note.—For similar bushings which line openings or sockets to reinforce the same and/or provide a smooth surface to prevent abrasion of elements passing therethrough or thereinto, without constituting a bearing, see class 16, MISCELLANEOUS HARDWARE, subclass 2.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 7, 1939

[VOL. 500. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 411,449. THE FOOD DISPENSER COMPANY, Hartford, Conn. Filed Oct. 10, 1938.

TAPPIT

For Dispensing Containers and the Like for Fluent Substances.
Claims use since Aug. 22, 1938.

Ser. No. 414,096. GEO. V. CLARK CO., INC., Long Island City, N. Y. Filed Dec. 22, 1938.

TELEVISION

For Metal Cans.
Claims use since Oct. 14, 1938.

Ser. No. 414,589. BUCK BROS., doing business as Waterite Seed Flat Co., Middletown, N. Y. Filed Jan. 7, 1939.

WATERITE

For Sub-Irrigated Containers for Holding Seeds and Plants to be Transplanted.
Claims use since Dec. 1, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 414,604. HARRY ROSENFELD INC., New York, N. Y. Filed Jan. 7, 1939.

Modern Sculpture

For Ladies' Purses, Handbags, and Pocketbooks.
Claims use since Jan. 1, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 414,362. THE PIONEER MANUFACTURING CO., Cleveland, Ohio. Filed Dec. 30, 1938.

SPRAYSHEEN

For Liquid Preparation for Cleaning Painted and Varnished Floors, Cement Floors, Walls, Tile, and Linoleum Having Incidental Polishing Properties.
Claims use since Oct. 1, 1935.

Ser. No. 414,868. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed Jan. 16, 1939.

EL

For Cleaning Compound for Manual Dishwashing, Laundry Work, and General Cleaning Purposes.
Claims use since Sept. 1, 1938.

Ser. No. 414,869. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed Jan. 16, 1939.

SUPER
Soilax

For Cleaning Compound Adapted for Use in Mechanical and Electrical Dishwashing Machines for Cleaning Glassware, Silverware, Porcelain, China, Metalware, and the Like.
Claims use since Sept. 1, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 397,772. ERICH F. R. SCHUELKE, doing business as Colloid Chemical Laboratories, New York, N. Y. Filed Sept. 24, 1937.



For Chemicals, Especially Esters of Fatty Acids, Metal Soaps Sold and Used as Chemicals, Pharmaceutical Intermediates, Cosmetic Raw Materials.
Claims use since Oct. 1, 1928.

Ser. No. 398,254. LUIS F. RODRIGUEZ MOLINA, Habana, Cuba. Filed Oct. 7, 1937.

VENCEDOR

For Deodorant.
Claims use since Jan. 15, 1936.

Ser. No. 400,650. EDWARD W. MARTIN, Chatham, N. J. Filed Dec. 9, 1937.

Sequin

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 1, 1937.

Ser. No. 401,195. RILLING-ARNAO COMPANY, Minneapolis, Minn. Filed Dec. 23, 1937.

KOOLERWAVE

For Permanent Wave Liquids and Preparations.
Claims use since Dec. 4, 1937.

Ser. No. 401,552. LYLE W. BURDICK, doing business as W. J. Burdick Medicine Co., Milwaukee, Wis. Filed Jan. 5, 1938.



BURDICK'S

The portrait is that of Willis J. Burdick.
For Vegetable Compounds for Blood and Nerve Medicines.
Claims use since Mar. 12, 1906.

Ser. No. 404,518. FAN TAN COMPANY, INC., doing business as The Gold Star Tooth Powder Co., Chicago, Ill. Filed Mar. 26, 1938.

Gold Star

For Tooth Powder.
Claims use since March, 1938.

Ser. No. 404,621. FOUAD A. ZRAICK, doing business as F. A. Zraick & Co., Brooklyn, N. Y. Filed Mar. 29, 1938.

OLGA

For Salve for Piles.
Claims use since Mar. 10, 1938.

Ser. No. 408,096. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed July 1, 1938.



Applicant is the owner of United States Trade-Mark registration 62,432 (renewed) dated May 7, 1907, and 188,456, dated Aug. 26, 1924.
For Oil of Peppermint.
Claims use of complete mark with exception of "Fritzsche Brothers, Inc., Successors" since Aug. 21, 1880. Complete mark including "Fritzsche Brothers, Inc." used since May 1, 1919.

Ser. No. 408,097. FRITZSCHE BROTHERS, INC., New York, N. Y. Filed July 1, 1938.



Applicant disclaims the words "Reg. U. S. Pat. Off." apart from the mark. Applicant is owner of T. M. Reg. Nos. 62,432 (renewed) and 188,456.
For Oil of Peppermint.
Claims use since May 1, 1919, on the complete mark; since Oct. 21, 1880, exclusively for the mark minus "Fritzsche Brothers, Inc.".

Ser. No. 409,342. BOSTICK BROTHERS, Benoit, Miss. Filed Aug. 8, 1938.

BOCO

For Butane and Liquefied Gas.
Claims use since November, 1929.

Ser. No. 410,360. ROBERT B. FALLENBERG, Los Angeles, Calif. Filed Sept. 8, 1938.

R. B. F.

For Medicinal Preparation for Use in Treating Diseases of the Skin, Particularly Poison Oak, Impetigo, Athletes' Foot, and Mange.
Claims use since Apr. 1, 1938.

Ser. No. 410,691. ESTMONT COMPANY, Vermilion, Ohio. Filed Sept. 17, 1938.

ESTMONT

For Foundation Creams, Beauty Creams, Cream Rouges, Cleansing Creams, and Face Powders.
Claims use since June 3, 1938.

Ser. No. 411,474. ALFRED TURMAN, New York, N. Y. Filed Oct. 10, 1938.

"99 PLUS"

For Insecticide.
Claims use since Mar. 1, 1934.

Ser. No. 411,750. MISENTA PINE PRODUCTS, INC., Buffalo, N. Y. Filed Oct. 18, 1938.



Applicant disclaims the word "Pine" apart from the mark.
For Cosmetics and Toilet Preparations — Namely, Toilet Water, Bath Salts, and Creams.
Claims use since Sept. 1, 1938.

Ser. No. 412,079. LABORATOIRES VALDOR SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Puteaux, France. Filed Oct. 26, 1938.

"ARCANCIL"

For Beauty Products for the Eyes, Eyebrows, and Eyelashes; Rouge for the Lips, Beauty Milk for the Skin, Cream for Retaining Powder, Massage Cream, Different Lotions for the Skin, Compact Rouge for the Cheeks, Rice Powder, Compact Rice Powder, Toilet Powder, Lotions for the Hair, Brilliantine for the Hair, Cologne Water, Toilet Water and Perfumes (Extracts).
Claims use since Jan. 28, 1937.

Ser. No. 412,120. HANS P. ULLRICH, Philadelphia, Pa. Filed Oct. 27, 1938.



The word "Modified" is disclaimed apart from the mark.
For Preparation in Liquid Form to be Used in Conjunction with Wound Dressings, also Douches or as a Gargle.
Claims use since Apr. 24, 1937.

Ser. No. 412,403. ATLAS POWDER COMPANY, Wilmington, Del. Filed Nov. 5, 1938.

ATLAS

For Derivatives of Hexahydric Alcohols and Inner Ethers Thereof.
Claims use since Oct. 4, 1937.

Ser. No. 412,621. WORCESTER SALT COMPANY, New York, N. Y. Filed Nov. 10, 1938.

WORCESTER

"YOUR MOUTH WILL SING ITS PRAISES"

Applicant is owner of T. M. Reg. No. 151,647, covering the word "Worcester" effected under the ten-year proviso.
For Tooth Paste.
Claims use since May 19, 1938.

Ser. No. 412,655. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Nov. 12, 1938.

FERRISUL

For Metal Treating Agents Especially Agents for Pickling or Etching.
Claims use since Jan. 1, 1935.

Ser. No. 412,845. ANDREW F. NORTON, doing business as Heating Equipment Service Company, New Britain, Conn. Filed Nov. 16, 1938.

"SCALEMASTER"

For Compound for Removing Scale, Carbon, and Soot from the Combustion Side of Boilers.
Claims use since February, 1937.

Ser. No. 413,167. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Nov. 25, 1938.

ACAPRIN

For Preparation to be Used in the Treatment of Piroplasmosis, Theileriasis and Other Protaoal Diseases.
Claims use since October, 1937.

Ser. No. 413,523. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Dec. 6, 1938.

S.E.C. OIL

The word "Oil" is disclaimed apart from the mark.
For Spreading and Sticking Agent for Use with Plant Insecticides, Fungicides, and Disinfectants.
Claims use since Nov. 25, 1938.

Ser. No. 413,531. THE ZIP ABRASIVE COMPANY, Cleveland, Ohio. Filed Dec. 6, 1938.

JACK

For Carbon Removing Compound.
Claims use since Mar. 10, 1938.

Ser. No. 413,595. NATHAN SCHULMAN, doing business as Naturway Products Co., Long Beach, Calif. Filed Dec. 8, 1938.

NATURWAY

For Colon Lubricating and Body Weight Control Preparation.
Claims use since Sept. 2, 1938.

Ser. No. 413,976. CLARK-MILLNER CO., Chicago, Ill. Filed Dec. 19, 1938.

DEWY-SHEEN

No claim is made to the word "Sheen" apart from the mark.
For Lipsticks.
Claims use since Nov. 1, 1938.

Ser. No. 413,977. CLARK-MILLNER CO., Chicago, Ill. Filed Dec. 19, 1938.

DEWY-MOIST

No claim is made to the word "Moist" apart from the mark.
For Lipsticks.
Claims use since Nov. 1, 1938.

Ser. No. 413,978. CLARK-MILLNER CO., Chicago, Ill. Filed Dec. 19, 1938.

PEARLY-SHEEN

No claim is made to the word "Sheen" apart from the mark.
For Lipsticks.
Claims use since Nov. 1, 1938.

Ser. No. 414,013. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland. Filed Dec. 19, 1938.

COPRANTIN

For Coal Tar Colors.
Claims use since Mar. 28, 1938.

Ser. No. 414,095. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 22, 1938.

KROMFAX

For Solvents for Dyestuffs and for Use in Oil Refining.
Claims use since Nov. 26, 1938.

Ser. No. 414,122. THOMAS ROTOBAC COMPANY, Chadbourn, N. C. Filed Dec. 22, 1938.

ROTOBAC

For Insecticide.
Claims use since July 19, 1935.

Ser. No. 414,185. THE DOHO CHEMICAL CORPORATION, New York, N. Y. Filed Dec. 24, 1938.

DOHO auraldyne

For Osmotherapeutic Treatment of Ear Diseases, Ear Drops.
Claims use since Oct. 4, 1937.

Ser. No. 414,233. MASSACHUSETTS PHARMACEUTICAL CORPORATION, Lowell, Mass. Filed Dec. 27, 1938.

PERHEXODENT

For Medicinal Preparation for Use by Dentists in the Treatment of Vincent's Infection, Pyorrhea, Root Canal Therapy, Osteomyelitis, and Other Infections of the Oral Cavity.
Claims use since Dec. 1, 1938.

Ser. No. 414,445. ALICE M. GERMAIN, doing business as Axilene Co., Boston, Mass. Filed Jan. 3, 1939.

AXILENE

For Liquid Body Deodorant for External Use.
Claims use since Dec. 20, 1938.

Ser. No. 414,745. ELVIN LINDON, doing business as E. L.-Vim Mfg. Co., Cincinnati, Ohio. Filed Jan. 12, 1939.



The portrait is that of applicant.
For Medical Preparation for Internal Administration for Treating Constipation.
Claims use since Mar. 1, 1937.

Ser. No. 415,095. CLINICAL PRODUCTS LIMITED, London, England. Filed Jan. 19, 1939.

MENOPAX

For Medicated Tablets for Human Use in the Treatment of Menopausal Ailments.
Claims use since Dec. 18, 1937.

Ser. No. 415,197. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed Jan. 24, 1939.

Duo

For Anti-Freeze.
Claims use since Jan. 13, 1939.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 414,387. ASHCO CORP., New York, N. Y. Filed Dec. 31, 1938.

Ashco

For Combination Cigarette Holder and Ash Receiver.
Claims use since Dec. 15, 1938.

CLASS 12

Construction Materials

Ser. No. 413,041. FRANKLIN TILE COMPANY, Lansdale, Pa. Filed Nov. 22, 1938.

TERRAVITRA
THE LARGE UNIT TILE

No claim is made to the words "The Large Unit Tile" apart from the mark.
For Wall and Floor Tiles, Slabs, Blocks, Insulation for Oil Lines, and Setters for Pipe Lines—i. e., Blocks Used in the Construction of Pipe Lines Built for the Pumping and Transportation of Petroleum.
Claims use since Aug. 31, 1938.

Ser. No. 413,580. GREAT LAKES STEEL CORPORATION, Ecorse, Mich. Filed Dec. 8, 1938.

STRAN-STEEL

The word "Steel" is disclaimed apart from the mark.
For Metal Framing Elements for Buildings.
Claims use since Nov. 30, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 387,062. DRI-STEAM VALVE SALES CORPORATION, New York, N. Y. Filed Dec. 23, 1936.

DRI-STEAM

No claim is made to the words "Dri-Steam" or to the representation of the goods apart from the mark.
For Steam Driers and Valves for Locomotives.
Claims use since November, 1936.

Ser. No. 412,024. CHAIN BELT COMPANY, Milwaukee, Wis. Filed Oct. 25, 1938.

PIPECRETE

For Pipe Line Transportation Units for Plastic Concrete, and Parts Thereof, Including Piping, Valves, and Other Pipe Fittings.
Claims use since Sept. 1, 1938.

Ser. No. 413,597. SIMPLON PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 8, 1938.

SIMP-L-ON

For Metal Brackets for Holding Furring Strips.
Claims use since July 12, 1933.

Ser. No. 413,948. THE INDEPENDENT NAIL AND PACKING COMPANY INC., Bridgewater, Mass. Filed Dec. 17, 1938.

THEY HOLD FOREVER
STRONGHOLD NAILS

No claim is made to the words "Nails" or "They Hold Forever" or to the representation of a nail apart from the mark.
For Nails.
Claims use since July 1, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 409,221. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Aug. 3, 1938.

CRUCIBLE-WELD

No claim is made to the word "Weld" apart from the mark.
For Metallic Electrodes for Welding Machines.
Claims use since July 26, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 414,663. I. F. LAUCKS, INC., Seattle, Wash. Filed Jan. 10, 1939.

LAUX

For Ready-Mixed, Dry, Paste, or Powdered Paints—Namely, Flat Paints and Gloss Paints, Varnishes, Paint Enamels, Stains, Roof Paints, and Lacquers.
Claims use since Dec. 17, 1938.

Ser. No. 414,753. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Jan. 12, 1939.

ZINCHRALUM

For Dry and Ready Mixed Paints, Paint Enamels, Stains, Lacquers, and Varnishes.
Claims use since Dec. 19, 1938.

CLASS 17

Tobacco Products

Ser. No. 415,066. STONE TOBACCO COMPANY, Philadelphia, Pa. Filed Jan. 19, 1939.

Lord Jeff

For Pipe Tobacco.
Claims use since Dec. 2, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 401,247. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 27, 1937.

Firestone

For Bicycles and Structural Parts Thereof.
Claims use since Nov. 25, 1937.

Ser. No. 408,202. HAROLD OPPENHEIMER, Kansas City, Mo. Filed July 5, 1938.

TRANSPO Bonded AUTOMOBILES

"Bonded Automobiles" are disclaimed apart from the mark.
For Automobiles and Structural Parts Thereof.
Claims use since June 6, 1938.

Ser. No. 413,761. FORD MOTOR COMPANY, Dearborn, Mich. Filed Dec. 12, 1938.

MERCURY

The numeral "8" is disclaimed apart from the mark.
For Passenger and Commercial Automobiles.
Claims use since Nov. 22, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 388,712. FINCH TELECOMMUNICATIONS LABORATORIES, INC., New York, N. Y. Filed Feb. 10, 1937.

IFE INC

For Apparatus Used in Facsimile and Telegraph Apparatus for the Transmission of Pictures and Messages by Electric Signals over Communication Channels to Remote Points.
Claims use since Oct. 31, 1935.

Ser. No. 398,604. ASTATIC MICROPHONE LABORATORY, INC., Youngstown, Ohio. Filed Oct. 18, 1937.

ASTATIC

For Crystal Microphones, Crystal Pick-Ups, Pick-Up Scratch Filters, Microphone Stands, Vibration Pickups, and Crystal Recording Cutters for Use in Connection with Radio Broadcasting, Public Address Systems, Phonographic Recording and Reproducing, Etc.
Claims use since Dec. 9, 1936.

Ser. No. 407,640. RED-BAR BATTERY COMPANY, Dayton, Ohio. Filed June 18, 1938.

Motor King

For Electric Storage Batteries and Battery Parts.
Claims use since May 1, 1938.

Ser. No. 407,893. AIR-O-LAMP CORPORATION, Chicago, Ill. Filed June 25, 1938.

AIR-O-LAMP

No registration rights are claimed for the word "Lamp" apart from the mark shown in the drawing, and applicant waives none of its common law rights to such mark or any feature thereof.
For Electric Lamps and Combination Electric Lamps and Fans.
Claims use since Apr. 15, 1938.

Ser. No. 412,116. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Filed Oct. 27, 1938.

RECTICHARGER

For Electric Current Rectifiers, Electric Battery Chargers, Rectifier Battery Chargers.
Claims use since October, 1937.

Ser. No. 413,120. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Nov. 25, 1938. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Insulated Copper Wire and Motor Generators.
Claims use since January, 1928.

Ser. No. 413,515. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Dec. 6, 1938.

Thomas A Edison

Trade-mark consists of a copy of the signature of Thomas A. Edison, deceased.

For Electronic and Audio Apparatus and Devices—Namely, Oscillators, Attenuators, Audio Amplifiers, and Microphones.

Claims use since Dec. 19, 1935, in the cases of oscillators and attenuators; since Feb. 1, 1935, in the case of audio amplifiers; and since May 20, 1936, in the case of microphones.

Ser. No. 413,682. PORCELAIN PRODUCTS, INC., Findlay and Carey, Ohio. Filed Dec. 10, 1938.

SURFOLET

For Electrical Fixtures—Namely, Receptacles, Rosettes, Junction Boxes, Switches, and Lamp Bases.

Claims use since Oct. 14, 1938.

Ser. No. 413,844. TRANSPARENT DISTRIBUTOR CAP AND MOTOR PARTS CO., Scottdale, Pa. Filed Dec. 14, 1938.

VIS-A-CAP

No claim is made to the word "Cap" apart from the mark.

For Distributor Caps.

Claims use since June 1, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 414,607. WALGREEN CO., Chicago, Ill. Filed Jan. 7, 1939.

Po-Do

For Golf Balls.

Claims use since Dec. 30, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 405,098. AUTOMOTIVE GEAR WORKS, INC., Richmond, Ind. Filed Apr. 11, 1938.

Micro-Set

Applicant disclaims the word "Set" except as a part of the mark.

For Tools for Positioning the Toothed Pinions of Differential Gearings in Axle Housings.

Claims use since Mar. 1, 1938.

Ser. No. 406,595. MEUTSCH, VOIGTLÄNDER & CO., VORMALS GEWERKSCHAFT WALLRAM, Essen-Ruhr, Germany. Filed May 21, 1938.

Prodamant

For Drawing and Pressing Dies, Draw Plates, Mandrills, Draw Nozzles, Pressure Nozzles, Pressing Snouts for Pressures of Bricks and Briquettes, Valves for Metal-Pressure-Casting, Cranked Rough Turning Tools, Straight Rough Turning Tools, Parting Tools, Grooving Tools, Recessing Tools, Finish Turning Tools, and Knife Tools; and Other Accessory Tools for Use in the Operation of Metal Turning Lathes, Boring Tools; Tips for Boring Bits and Turning Tools, Milling Cutters, Drills, Stone Planing Tools, Coal and Stone Holing Pikes, Cutter Heads for Coal and Stone Boring Hammers, Coal and Stone Cutting Machines, Coal and Stone Drilling Machines, Insets or Covers for Machine Parts Exposed to Strong Wear Such as Cams, Pawls, Slide Ways, Wings of Mud Pumps.

Claims use since Dec. 31, 1924.

Ser. No. 406,596. MEUTSCH, VOIGTLÄNDER & CO., VORMALS GEWERKSCHAFT WALLRAM, Essen-Ruhr, Germany. Filed May 21, 1938.

Triamant

For Drawing and Pressing Dies, Draw Plates, Mandrills, Draw Nozzles, Pressure Nozzles, Pressing Snouts for Pressures of Bricks and Briquettes, Valves for Metal-Pressure-Casting, Cranked Rough Turning Tools, Straight Rough Turning Tools, Parting Tools, Grooving Tools, Recessing Tools, Finish Turning Tools, and Knife Tools, and Other Accessory Tools for Use in the Operation of Metal Turning Lathes, Boring Tools, Tips for Boring Bits and Turning Tools, Milling Cutters, Drills, Stone Planing Tools, Coal and Stone Holing Pikes, Cutter Heads for Coal and Stone Boring Hammers, Coal and Stone Cutting Machines, Coal and Stone Drilling Machines, Insets or Covers for Machine Parts Exposed to Strong Wear Such as Cams, Pawls, Slide Ways, Wings of Mud Pumps.

Claims use since Dec. 31, 1924.

Ser. No. 406,597. MEUTSCH, VOIGTLÄNDER & CO., VORMALS GEWERKSCHAFT WALLRAM, Essen-Ruhr, Germany. Filed May 21, 1938.

Wallram

For Drawing and Pressing Dies, Draw Plates, Mandrills, Draw Nozzles, Pressure Nozzles, Pressing Snouts for Pressures of Bricks and Briquettes, Valves for Metal-Pressure-Casting, Cranked Rough Turning Tools, Straight Rough Turning Tools, Parting Tools, Grooving Tools, Recessing Tools, Finish Turning Tools, and Knife Tools, and Other Accessory Tools for Use in the Operation of Metal Turning Lathes, Boring Tools, Tips for Boring Bits and Turning Tools, Milling Cutters, Drills, Stone Planing Tools, Coal and Stone Holing Pikes, Cutter Heads for Coal and Stone Boring Hammers, Coal and Stone Cutting Machines, Coal and Stone Drilling Machines, Insets or Covers for Machine Parts Exposed to Strong Wear Such as Cams, Pawls, Slide Ways, Wings of Mud Pumps.

Claims use since Dec. 31, 1925.

Ser. No. 407,865. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed June 24, 1938.



Trade-mark consists in a red block placed on the goods at the screw end thereof. The representation of a wrapped auger bit is disclaimed.

For Auger Bits.

Claims use since June 10, 1938.

Ser. No. 408,258. PARROT SPEED FASTENER CORPORATION, New York and Long Island City, N. Y. Filed July 2, 1938.

'TOT'

For Stapling Machines, Tackers, and Pliers for Fastening Together Such Materials as Paper, Cardboard, and/or Cloth and/or the Like.

Claims use since May 4, 1938.

Ser. No. 408,314. INTERNATIONAL BUSINESS MACHINES CORPORATION, Endicott, N. Y. Filed July 8, 1938.

TICKETOGRAPH

For Machines Used to Print and Impress Data Upon Coupons.

Claims use since Nov. 1, 1921.

Ser. No. 408,841. INTERNATIONAL BUSINESS MACHINES CORPORATION, Endicott, N. Y. Filed July 23, 1938.

CERTOMETER

For Machines Used to Print with Settable Type and Changeable Type Bearing Keys on Pay Cards and on a Proof Tape.

Claims use since November, 1937.

Ser. No. 410,579. CATTARAUGUS CUTLERY COMPANY, Little Valley, N. Y. Filed Sept. 15, 1938.

VANADALOY

For Household Cutlery of Base Metal—Namely, All Kinds of Knives and Forks and Spoons, Butcher Knives, Sticking Knives, Skinning Knives, Boning Knives, Slicing Knives, Trimming Knives, Fish Knives, Poultry Knives, Oyster Knives, Clam Knives, Spatula Knives, Pallette Knives; Hunting Knives, Solid Blade; Hunting Knives, Hinged Blade; Cake Servers, Cheese Servers.

Claims use since June 1, 1936.

Ser. No. 412,472. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Filed Nov. 7, 1938.

FEED MASTER

The word "Feed" is disclaimed apart from the mark.

For Hammer Mills.

Claims use since July 1, 1938.

Ser. No. 413,126. HYDE MANUFACTURING COMPANY, Southbridge, Mass. Filed Nov. 25, 1938.

HYDITE

For Putty Knives and Scrapers and Seam Rollers in the Paper Hanging Art.

Claims use since Oct. 15, 1938.

Ser. No. 413,153. SMITH SEPARATOR CORPORATION, Tulsa, Okla. Filed Nov. 25, 1938.

TURBUFIER

For Turbulence Rectifiers for Preventing Turbulence in Fluids Entering an Oil and Gas Separator or the Like.

Claims use since July 1, 1937.

Ser. No. 413,574. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Dec. 7, 1938.

MICARTA

For Journal Bearings.

Claims use since June, 1930.

Ser. No. 413,698. BAKER OIL TOOLS, INC., Huntington Park, Calif. Filed Dec. 12, 1938.

PETAL

For Well Drilling Tools and Equipment—Viz., Basket Structures for Use in Forming a Barrier Between the Well Casing and Well Bore During Cementing Operations.

Claims use since June 1, 1937.

Ser. No. 414,019. JACK UPLAND, doing business as Remco Blade Co., New York, N. Y. Filed Dec. 19, 1938.

REMCO

For Razor Blades.

Claims use since Apr. 11, 1938.

Ser. No. 414,587. AMERICAN CAR AND FOUNDRY MOTORS COMPANY, New York, N. Y. Filed Jan. 7, 1939.

a.C.f.

For Internal Combustion Engines.

Claims use since January, 1927.

Ser. No. 415,320. BIRMINGHAM PRINTING COMPANY, Birmingham, Ala. Filed Jan. 28, 1939.

Flemco

For Linotype Keyboard Rubber Roll.
Claims use since Jan. 19, 1939.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 387,497. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Jan. 6, 1937.

Drink-O-Meter

For Thermometric Drink Selection Indicator.
Claims use since Aug. 14, 1936.

Ser. No. 413,482. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed Dec. 5, 1938.

TECHNISCOPE

For Combination Copying Stands and Photographic Bench.
Claims use since Nov. 7, 1938.

Ser. No. 413,625. DURANT MANUFACTURING CO., Milwaukee, Wis. Filed Dec. 9, 1938.

PRODUCTIMETER

For Counters for Indicating or Registering the Operations Performed or the Quantity of Material Used by Various Types of Machines.
Claims use since 1919.

Ser. No. 413,639. PHOTO UTILITIES, INC., New York, N. Y. Filed Dec. 9, 1938.

MINI

For Photographic Goods—Namely, Cameras, Tripods, Enlargers, and Photographic Accessories, More Particularly Light Filters and Lenses.
Claims use since Dec. 3, 1938.

Ser. No. 413,640. PHOTO UTILITIES, INC., New York, N. Y. Filed Dec. 9, 1938.

UTILO

For Photographic Goods—Namely, Cameras and Parts Therefor, Exposure Meters, Enlargers, Filters, Tripods, and Lenses, Film Containers.
Claims use since June 3, 1938.

Ser. No. 414,489. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Jan. 4, 1939.

KODALURE

For Light Sensitive Photographic Paper.
Claims use since Sept. 29, 1938.

Ser. No. 414,585. THE ZIP ABRASIVE COMPANY, Cleveland, Ohio. Filed Jan. 6, 1939.

WATER-EYE

For Liquid Level Gauges.
Claims use since Jan. 4, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 387,322. THE FRIEDSTRASS CO., New York, N. Y. Filed Dec. 31, 1936.

BILTRITE

For Wall Brushes, Dust Cloths, Mops and Mop Handles, Brooms, Whisk Brooms, Feather Dusters, and Plain Non-Impregnated Silver Cloths.
Claims use since December, 1931.

Ser. No. 415,046. I. L. LYONS & CO., LTD., New Orleans, La. Filed Jan. 20, 1939. Under 10-year proviso.

LYONS'

For Toothbrushes.
Claims use since 1890.

CLASS 32

Furniture and Upholstery

Ser. No. 399,587. A. MICON, doing business as Atlas Bedding Company, Milwaukee, Wis. Filed Nov. 10, 1937.



No claim is made to the words "Mattresses", "Milwaukee", and "Wisconsin" and the representation of the mattress apart from the mark.
For Mattresses.
Claims use since Jan. 1, 1936.

Ser. No. 414,231. G. B. LEWIS COMPANY, Watertown, Wis. Filed Dec. 27, 1938.

RENOWN

For Venetian Blind Slats.
Claims use since Oct. 11, 1938.

Ser. No. 414,465. OSIASON, INC., Fall River, Mass. Filed Jan. 3, 1939.

BLUE CROSS

For Mattresses, Box Springs, and Upholstered Furniture.
Claims use since Nov. 1, 1938.

Ser. No. 414,714. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Jan. 11, 1939.



The picture is fanciful. No claim is made to the words "Foam Sponge" apart from the combination shown.
For Mattresses or Cushions of Foamed Rubber.
Claims use since Jan. 6, 1939.

Ser. No. 415,235. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa. Filed Jan. 25, 1939.

UNITMASTER

For Display Cabinets.
Claims use since Jan. 3, 1939.

Ser. No. 415,248. THE GENERAL FIREPROOFING CO., Youngstown, Ohio. Filed Jan. 26, 1939.

WYDESTEELS

For Metal Filing Cabinets.
Claims use since 1912.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 408,007. BRANFORD PRODUCTS CORP., New York, N. Y. Filed June 29, 1938.



The words "Heating" and "New York" are disclaimed apart from the mark.
For Pressure Type Oil Burners for Boilers or Furnaces.
Claims use since June 21, 1937.

Ser. No. 412,591. COMFORTAIRE CORPORATION, Washington, D. C. Filed Nov. 10, 1938.

Comfortaire

For Forced Draft Cooling and Ventilating Units.
Claims use since Nov. 15, 1933.

Ser. No. 412,787. WROUGHT IRON RANGE COMPANY, St. Louis, Mo. Filed Nov. 15, 1938.



For Coal, Wood, Gas, Oil, and Combined Gas and Electric Ranges.
Claims use since 1880 on coal and wood burning ranges; since 1900 on gas burning ranges; since 1910 on oil burning ranges; and since 1937 on electrically heated apparatus.

Ser. No. 413,506. CARL S. ALLEN, doing business as Steamaire Company, Cincinnati, Ohio. Filed Dec. 6, 1938.

STEAMAIRE

For Units for Vaporizing, Atomizing, Emulsifying, Ejecting, and Circulating Various Fluids to Condition Room Atmosphere and Also Articles and Commodities Manufactured or in the Process of Manufacture.
Claims use since August, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 414,719. AMERICAN FELT COMPANY, New York, N. Y. Filed Jan. 12, 1939.

GYRO-STAT

For Liquid Seals for Rotating Shafts and the Like.
Claims use since Dec. 20, 1938.

CLASS 37

Paper and Stationery

Ser. No. 410,428. FREYDBERG BROS., INC., Stamford, Conn. Filed Sept. 10, 1938.

PLIO RIBBON

No claim is made for the word "Ribbon" apart from the mark.
For Ribbon of Rubber Hydrohalide, and More Particularly Rubber Hydrochloride, for Tying Purposes and Other Uses.
Claims use since Aug. 10, 1938.

Ser. No. 413,838. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Dec. 14, 1938.

NCR

For Paper—Namely, Writing Paper, Printing Paper, Paper Rolls, Paper Strips, Receipt Paper; and Stationery—Namely, Form Books, Sales Books, Receipt Books, Statement Books, and Cash Register Account Books.
Claims use since Dec. 2, 1938.

Ser. No. 414,214. L. L. BROWN PAPER COMPANY, Adams, Mass. Filed Dec. 27, 1938.

ESCORT

For Writing Papers, Particularly Ledger, Record, Bond, Linen, Onion Skin, Loose-Leaf, Bank Note, Bank Parchment, Typewriter, and Manuscript Cover.
Claims use since Dec. 9, 1938.

Ser. No. 414,269. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio. Filed Dec. 28, 1938.

MONARCH

For Price Tags and Tickets.
Claims use since 1921.

Ser. No. 414,699. GENE KAPP, New York, N. Y. Filed Jan. 11, 1939.

INSURANCE

For Pens, Fountain-Pens, and Pencils.
Claims use since Dec. 24, 1938.

Ser. No. 414,936. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Jan. 14, 1939.

Linworth

For Toilet Tissue Paper.
Claims use since Nov. 17, 1938.

CLASS 38

Prints and Publications

Ser. No. 406,005. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed May 4, 1938.

TRUE or FALSE

For Fact and Intelligence Test Publications Issued from Time to Time.
Claims use since Apr. 18, 1938.

Ser. No. 409,520. FLOYD HARRISON PUBLISHING CO., INC., New York, N. Y. Filed Aug. 12, 1938.

department store buyer

For Monthly Magazine.
Claims use since July 23, 1938.

Ser. No. 413,727. MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Dec. 12, 1938.



The word "Guaranteed" is disclaimed apart from the mark.
For Magazine Section.
Claims use since April, 1937.

Ser. No. 413,992. WALTER KAHOE, Yellow Springs, Ohio. Filed Dec. 19, 1938.

GOLDEN DOOR

For Magazine Published Monthly.
Claims use since Dec. 15, 1938.

Ser. No. 414,094. BRYAN DAVIS PUBLISHING COMPANY, INC., New York, N. Y. Filed Dec. 22, 1938.

TELEVISION ENGINEERING

For Monthly Publication Devoted to Television and the Like.
Claims use since Nov. 30, 1938.

Ser. No. 414,207. POPULAR SCIENCE PUBLISHING CO., INC., New York, N. Y. Filed Dec. 24, 1938.

Mechanics AND HANDICRAFT

For Magazines.
Claims use since Feb. 1, 1934.

Ser. No. 414,318. NICHOLAS JOSEPH ROCCAFORTE, Wichita, Kans. Filed Dec. 21, 1938.

Defenders Tract Club

For Leaflets and Pamphlets Containing Subject-Matter of a Religious Character, Published from Time to Time.
Claims use since Mar. 1, 1934.

Ser. No. 414,349. HAYWOOD PUBLISHING COMPANY, La Fayette, Ind., and Chicago, Ill. Filed Dec. 30, 1938.

PACKAGING PARADE

For Periodical.
Claims use since Jan. 15, 1938.

Ser. No. 414,626. DAILY MIRROR, INC., New York, N. Y. Filed Jan. 9, 1939.

On Broadway

For Newspaper Section.
Claims use since June 10, 1929.

Ser. No. 414,661. HUMAN RELATIONS, INC., Chicago, Ill. Filed Jan. 10, 1939.

Scientific* EATING *Magazine

For Periodical.
Claims use since Jan. 6, 1939.

Ser. No. 414,718. AMERICAN BANKER, INC., New York, N. Y. Filed Jan. 12, 1939. Under 10-year proviso.

American Banker

For Newspaper and a Magazine and a Section of a Magazine.
Claims use since Jan. 1, 1887.

Ser. No. 414,752. ELEANOR MEDILL PATTERSON, doing business as Patterson Newspapers and/or Washington Herald-Times, Washington, D. C. Filed Jan. 12, 1939.

My Say

For News Column and Special Articles Appearing Daily or from Time to Time.
Claims use since Oct. 4, 1938.

CLASS 39

Clothing

Ser. No. 405,749. PORTAGE HOSIERY COMPANY, Portage, Wis. Filed Apr. 22, 1938.



For Athletic Socks, Hosiery, and Mittens Made of Knitted Fabric.
Claims use since Apr. 8, 1937.

Ser. No. 411,614. DR. A. POSNER SHOES, INC., New York, N. Y. Filed Oct. 14, 1938.



The words "Give Your Child Correct Body Balance" are disclaimed apart from the mark.
For Shoes Made of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since March, 1933.

Ser. No. 412,735. JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Nov. 14, 1938.

SHETLAND $25 ZEPHYR

No claim is made to the words "Shetland", "Zephyr", and "$25" apart from the mark.
For Men's Topcoats and Overcoats.
Claims use since Oct. 14, 1938.

Ser. No. 413,012. L. GREIF & BRO., INC., Baltimore, Md. Filed Nov. 21, 1938.

Fellow Fashions

"Fashions" is disclaimed apart from the mark.
For Men's Suits, Topcoats, Overcoats, Raincoats, Coats, Vests, and Trousers.
Claims use since Nov. 18, 1938.

Ser. No. 413,129. EDWARD A. MCCORMICK, New York, N. Y. Filed Nov. 25, 1938.

Infantex

For Infants' Disposable Diapers.
Claims use since Sept. 2, 1938.

Ser. No. 413,222. DAVID FINK, Chicago, Ill. Filed Nov. 28, 1938.

Finshire

For Women's Wearing Apparel—Namely, Coats, Cloaks, Dresses, and Suits.
Claims use since Nov. 21, 1938.

Ser. No. 413,376. ZIMRAY, INC., New York, N. Y. Filed Dec. 1, 1938.

TULIP TWEEDS

The word "Tweeds" is disclaimed apart from the mark.
For Ladies' and Misses' Coats and Suits.
Claims use since Dec. 1, 1937.

Ser. No. 413,717. KIRSHBAUM-HELBRAUN, INC., Chicago, Ill. Filed Dec. 12, 1938.



For Women's Cloth Coats and Suits.
Claims use since Nov. 1, 1938.

Ser. No. 413,722. I. MARKS & CO., INC., New York, N. Y. Filed Dec. 12, 1938.

MARVELTONE

For Ladies' and Misses' Cloth Coats, Suits, and Coat and Suit Combinations.
Claims use since Dec. 30, 1937.

Ser. No. 413,764. MAISON BLANCHE COMPANY, New Orleans, La. Filed Dec. 12, 1938.

TOP TEST

For Men's Dress Shirts, Work Shirts, Sport Shirts, and Under Shirts; Men's Pajamas; Neckties Made of Silk, Wool, Cotton, or Combinations Thereof; Men's Hosiery; Men's Underwear.
Claims use since June 1, 1936, on men's shirts; since Oct. 24, 1938, on remaining goods.

Ser. No. 413,766. MAISON BLANCHE COMPANY, New Orleans, La. Filed Dec. 13, 1938.

GOLD BUCK

For Women's Pajamas, Men's Pajamas, Men's Sport Shirts, Neckties, Men's Woven Underwear, and Men's Hosiery.
Claims use since Oct. 24, 1938.

Ser. No. 413,993. GEORGE KATEB, INC., New York, N. Y. Filed Dec. 19, 1938.

Kaymore

For Women's and Girls' Flannel Robes, Negligees, House Coats, Lounging Pajamas.
Claims use since Sept. 1, 1938.

Ser. No. 414,015. SOUTHWEST SECURITY MORTGAGE CORP., doing business as Knitcraft Mills and also as Calcraft, Los Angeles, Calif. Filed Dec. 19, 1938.

STYLED FOR CHAMPIONS
BY
CALCRAFT
LOS ANGELES - CALIFORNIA

The words "Styled" and "Los Angeles, California" are disclaimed for registration purposes apart from the mark shown on the drawing, with reservation of applicant's common-law rights in the premises. Applicant is the owner of Trade-Mark registration No. 345,864, dated May 11, 1937.
For Men's, Women's, and Children's Knitted and Fabricated Swim Suits, Sweaters, and Trunks.
Claims use since June 1, 1936.

Ser. No. 414,389. THE BEDFORD SHIRT COMPANY, New York, N. Y. Filed Dec. 31, 1938.

Daily Double

For Men's Sport Shirts, Sport Jackets, and Sport Slacks.
Claims use since Oct. 1, 1938.

Ser. No. 414,407. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Filed Dec. 31, 1938.

TROYVAL

For Ladies' Blouses.
Claims use since Dec. 21, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 404,497. STAR-MAID DRESSES, INC., New York, N. Y. Filed Mar. 25, 1938.

pakalene

For Woolen, Rayon, and Linen Piece Goods.
Claims use since Mar. 1, 1938.

Ser. No. 409,669. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Aug. 17, 1938.

TISSUSPUN

For Cotton, Rayon, and Cotton and Rayon Piece Goods.
Claims use since Aug. 11, 1938.

Ser. No. 413,011. THE GRANBY ELASTIC WEB LIMITED, Granby, Quebec, Canada. Filed Nov. 21, 1938.

EVERTEX

For Wide Elastic Fabrics.
Claims use since July 26, 1933.

Ser. No. 413,183. HERBERT HARRIS, New York, N. Y. Filed Nov. 26, 1938.

"Dualure" lined

The word "Lined" is disclaimed apart from the mark.
For Cotton, Rayon, and Woolen Fabrics in the Piece.
Claims use since April, 1938.

Ser. No. 413,430. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Dec. 3, 1938.

SAND'N SEA

For Piece Goods of Cotton, Rayon, Silk, and Flax Individually, or in Any Combination.
Claims use since Nov. 1, 1938.

Ser. No. 413,822. DOUCET, New York, N. Y. Filed Dec. 14, 1938.

SHADOW AND SUBSTANCE

For Fabrics in the Piece; Made of Silk, Rayon or Other Synthetic Fibers, Wool, Cotton, or Any One or More of the Foregoing.
Claims use since Nov. 14, 1938.

Ser. No. 413,983. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Dec. 19, 1938.

MERCELIN

For Piece Goods of Linen and Cotton Mixture.
Claims use since Sept. 27, 1938.

Ser. No. 414,016. S. STROOCK & CO. INC., New York, N. Y. Filed Dec. 19, 1938.

STROOCK CAMEL D'OR CLOTH

No claim is made to the words "Stroock" and "Cloth" except as shown.
For Camel's Hair and Wool Cloth in the Piece.
Claims use since Oct. 26, 1931.

Ser. No. 414,017. S. STROOCK & CO. INC., New York, N. Y. Filed Dec. 19, 1938.

STROOCK LLAMA D'OR CLOTH

No claim is made to the words "Stroock" and "Cloth" except as shown.
For Llama and Wool Cloth in the Piece.
Claims use since Oct. 26, 1931.

Ser. No. 414,818. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 14, 1939.

GOOD NEIGHBOR

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Dec. 15, 1936.

Ser. No. 414,819. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 14, 1939.

TRAVELESE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Jan. 11, 1939.

Ser. No. 415,004. A. D. JUILLIARD & CO., INC., New York, N. Y. Filed Jan. 19, 1939.

DRAPEROY

For Corduroy Piece Goods.
Claims use since Sept. 1, 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 414,564. ISABELLE HENNE, Brooklyn, N. Y. Filed Jan. 6, 1939.

Denti FLOSS-AIDS

No claim is made to the word "Floss" apart from the mark.
For Dental Floss Holders.
Claims use since Dec. 29, 1938.

Ser. No. 414,706. MOLD-TO-FORM FABRICS INC., Philadelphia, Pa. Filed Jan. 11, 1939.



The drawing is lined for color, the cross and circular border being lined to designate brown color, and the segmental areas and the bottom panel being lined to designate red color.
For Woven Cotton Bandages for Medical, Athletic, and Veterinary Uses.
Claims use since Nov. 1, 1938.

Ser. No. 415,052. MULTIFIT, INC., New York, N. Y. Filed Jan. 20, 1939.

MULTIFIT

For Hypodermic Syringes.
Claims use since Dec. 29, 1938.

Ser. No. 415,108. REGINALD E. G. DEWAR, Oakland, Calif. Filed Jan. 23, 1939.

SLENDERATOR

For Apparatus for Electrical Contraction and Relaxation of Muscles.
Claims use since Nov. 8, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 402,551. CALIFORNIA CITRUS JUICE EXCHANGE, INCORPORATED, Santa Ana, Calif. Filed Feb. 1, 1938.

CALCIJUS

For Ginger Ale, Grape Punch, Root Beer, Concentrated Fruit Syrups for Soda Fountain Use, Orange Soda, Lime Soda, Lemon Soda, Grapefruit Soda, Grape Punch Concentrate, Ginger Ale Concentrate, Lime Rickey Concentrate, Sparkling Sour Concentrate, Root Beer Concentrate, Grapefruit Concentrate, Orange Beverage Base Concentrate, and Dairy Orange Drink Concentrate, Orange Juice Preservative.
Claims use since Nov. 4, 1936.

Ser. No. 406,851. PURE DRINKS, INC., Cleveland, Ohio. Filed May 27, 1938.

Breakfast ORANGE

No claim being made to the word "Orange" apart from the mark shown in the drawing.
For Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Jan. 1, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 393,736. JOHN SEXTON & CO., Chicago, Ill. Filed June 5, 1937.



Applicant is the owner of trade-mark registrations No. 90,749, dated Mar. 18, 1913; No. 90,591, dated Mar. 4, 1913; No. 101,053, dated Nov. 10, 1914; No. 169,883, dated July 3, 1923; and No. 169,220, dated June 12, 1923. The drawing is lined for blue and green.
For Canned and Fresh Frozen Fruits, Canned and Fresh Frozen Berries, Canned and Fresh Frozen Vegetables; Canned Fish—Namely, Mackerel and Sardines; Canned Sea Food—Namely, Lobster and Crab Meat; Canned Corned Beef Hash, Canned Evaporated Milk, Canned Fruit Juices for Food Purposes and Canned Vegetable Juices, Olives, Pickles, Canned Soups, Chili Sauce, Barbecue Sauce, Soy Sauce, Worcestershire Sauce, Chop Suey Sauce, Onion Salt, Garlic Seasoning, Celery Salt, Instant Milk Chocolate, Cocoa, Cocoanut, Gelatine Dessert, Canned Chow Mein Noodles, Canned French Fried Potatoes, Corn Relish, and Cranberry Sauce.
Claims use since Oct. 1, 1904.

Ser. No. 402,047. KELLOGG COMPANY, Battle Creek, Mich. Filed Jan. 19, 1938.

GRO-PUP

For Dog Food.
Claims use since July 21, 1937.

Ser. No. 410,392. DAVID GLASS & SONS WHOLESALE GROCERS INC., Brooklyn, N. Y. Filed Sept. 9, 1938.

SEE-MORE

For Dried Prunes, Beans, Rice, Figs, Currants, Macaroni, and Spaghetti; Canned Tomatoes with Puree from Trimmings, Canned Vegetables, Canned Fruits, Canned Fruit Salad, Canned Fish, Packaged Pure Spices, Canned Apple Butter and Apple Sauce, Canned and Bottled Olives and Dill Pickles, Bottled Catsup and Peanut Butter, Canned Pineapple Juice and Grapefruit Juice for Food Purposes; and Packaged Nuts in Their Natural State, Shelled, Salted, and Candied.
Claims use since December, 1937.

Ser. No. 411,254. CHARLES BANKS STOUT, doing business as Washington Flour Mill, Memphis, Tenn. Filed Oct. 3, 1938.



Applicant is the owner of registration No. 279,691, Jan. 20, 1931, "White Silk"; and No. 66,789, Dec. 31, 1907, also for "White Silk".
For Wheat Flour.
Claims use since 1900.

Ser. No. 412,181. THE GRAHAM CO., INC., New York, N. Y. Filed Oct. 29, 1938.

BROADWAY

For Unshelled Nuts.
Claims use since Sept. 1, 1928.

Ser. No. 412,552. JOHN HALAISHYN, New York, N. Y. Filed Nov. 9, 1938.



For Syrups for Ice Cream and Wheat Cakes.
Claims use since November, 1935.

Ser. No. 413,535. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, San Francisco, Calif. Filed Dec. 7, 1938.

QUIK-SOLV

For Raw and Refined Sugars.
Claims use since Nov. 25, 1938.

Ser. No. 413,634. HAWAII PRODUCE ASSN., Honolulu, Hawaii. Filed Dec. 9, 1938.

LEILANI

For Fresh Vegetables and Fresh Fruits—Namely, Pineapple.
Claims use since Nov. 1, 1937.

Ser. No. 413,763. COMPANIA AGRICOLA CARABAYLLO, Lima, Peru. Filed Dec. 14, 1938.

CARTAVIO

For Granulated Sugar.
Claims use since June 2, 1887.

Ser. No. 413,858. JOAO DA CRUZ GARGALO, doing business as Joao C. Gargalo, Setubal, Portugal. Filed Dec. 15, 1938.

PRINCESITA

For Preserved Fish.
Claims use since Sept. 29, 1932.

Ser. No. 413,859. JOAO DA CRUZ GARGALO, doing business as Joao C. Gargalo, Setubal, Portugal. Filed Dec. 15, 1938.

RESTAURANT

For Preserved Fish.
Claims use since Apr. 17, 1929.

Ser. No. 413,900. EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif. Filed Dec. 16, 1938.

Euclid's CHOK Full o'Almonds

No claim is made to the outline of a label or to the words "Chok Full o'Almonds" apart from the mark.
For Candy Bars.
Claims use since Feb. 1, 1936.

Ser. No. 414,275. SAVEMORE MARKETS, INC., Jamaica, N. Y. Filed Dec. 28, 1938.

SAVE MORE

For Food Products—Namely, Canned Vegetables, Fish, Fruits, Cranberry Sauce, Evaporated Milk, and Spaghetti.
Claims use since Nov. 18, 1938.

Ser. No. 414,435. CHEMI-CULTURE COMPANY, Montebello, Calif. Filed Jan. 3, 1939.

MINERAL MAID

For Fresh Vegetables.
Claims use since Dec. 23, 1938.

Ser. No. 414,463. R. A. NEMANICK, Salinas, Calif. Filed Jan. 3, 1939.

TUXEDO

For Fresh Vegetables and Fresh Deciduous Fruits.
Claims use since Jan. 1, 1937.

Ser. No. 414,475. SAM SURABIAN, doing business as Sam Surabian & Sons, Dinuba, Calif. Filed Jan. 3, 1939.

Eshcol

For Fresh Grapes.
Claims use since Aug. 5, 1935.

Ser. No. 414,771. BASIC FOODS, INC., Jersey City, N. J. Filed Jan. 13, 1939.



For Icing for Cakes and Cookies.
Claims use since Nov. 1, 1933.

Ser. No. 414,892. ROB ROY CANNING COMPANY, Glendale, Calif. Filed Jan. 16, 1939.

LIGHT TOWER

For Canned Fruits, Canned Vegetables, and Canned Hominy.
Claims use since July, 1932.

Ser. No. 414,929. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Filed Jan. 17, 1939.

Vo-Kam

For Meat Loaves.
Claims use since Jan. 12, 1939.

CLASS 47

Wines

Ser. No. 410,758. J. & S. VIOLET FRERES, Thuir, France. Filed Sept. 19, 1938.



The representation of the bottle and all notations are disclaimed apart from the mark shown, except the words "Violet Freres" and the word "Ribedine".
For Wine.
Claims use since Feb. 17, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 414,044. JACOB RUPPERT, New York, N. Y. Filed Dec. 20, 1938.



The words "Ale" and "Prize Medal" are disclaimed. Claim is made to the colors green, beige, and gold.
For Ale.
Claims use since Nov. 15, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 401,849. CLIFTON SPRINGS DISTILLING CO., Wilmington, Del., and Lawrenceburg, Ind. Filed Jan. 13, 1938.

CLEAR RUN

For Whiskey, Gin, Rum, Brandy, Alcoholic Cordials, and Grain Alcohol.
Claims use since Nov. 19, 1937.

Ser. No. 413,632. GOODERHAM & WORTS LIMITED, Detroit, Mich., and Peoria, Ill. Filed Dec. 9, 1938.



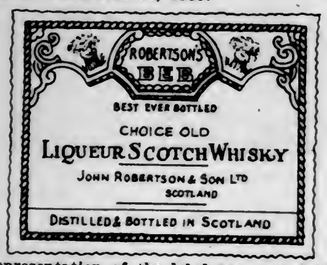
No claim is made to the representation of the label per se and all wording except "G & W", the letter "R", and applicant's name is disclaimed apart from the mark.
For Whiskey.
Claims use since Apr. 8, 1938.

Ser. No. 414,248. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Newport, Ky. Filed Dec. 24, 1938.

KENTUCKY BANNER

Applicant disclaims representation of the label per se and the term "Kentucky" apart from the mark.
For Distilled Alcoholic Liquors.
Claims use since June 12, 1937.

Ser. No. 414,832. JOHN ROBERTSON & SON LIMITED, Leith, Scotland. Filed Jan. 14, 1939.



The representation of the label per se and all spoken symbols except "Robertson's", "BEB", and applicant's name, are disclaimed apart from the mark.

For Scotch Whisky.

Claims use since Dec. 1, 1927.

Ser. No. 1,294 (Inter-American Series). RIFA, BACARDI Y COMPAÑIA, Camagüey, Cuba. Filed Aug. 3, 1936. Under General Inter-American Convention for Trade-Mark and Commercial Protection of 1929.

CARTA EXTRA
DESTILACION
ESPECIAL

Ron
Nacarado Superior
DE
JAIME J. RIFA
ESTABLECIDO EN CAMAGÜEY.

REPUBLICA DE CUBA
GRADUACION 42-5

Said trade-mark has been registered in Cuba, No. 54,852, dated Aug. 17, 1935, on an application filed Dec. 18, 1934. Claim is made to the colors red, gold, black, and white in the form and arrangement shown in the label. No claim is made to the words "Destilacion Especial", "Ron", "Superior", "Establecido En Camagüey", "Republica De Cuba", and "Graduacion 42–5".

For Rum.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 414,033. MAX LAWRENCE, INC., New York, N. Y. Filed Dec. 20, 1938.

PATTEX

For Piece Goods with a Patent Leather Covering.

Claims use since Jan. 10, 1938.

Ser. No. 414,790. THE MASSILLON-CLEVELAND-AKRON SIGN COMPANY, Massillon, Ohio. Filed Jan. 13, 1939.

SUPERLUX

For Enamel Advertising Signs.

Claims use since Dec. 23, 1938.

Ser. No. 415,009. SCHELTER LAST CO. INC., doing business as Rochester Shoe Tree Company, Rochester, N. Y. Filed Jan. 19, 1939.

ESQUIRE

For Shoe Trees.

Claims use since Mar. 1, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 7, 1939

365,293. DRAFTING INSTRUMENTS—NAMELY, RULING AND LETTERING PENS AND PENCILS, FOUNTAIN PENS, COMPASSES AND DIVIDERS, PEN, PENCIL, AND NEEDLE POINT HOLDERS, ETC. EUGENE DIETZGEN CO., Chicago, Ill.
Filed May 14, 1936. Serial No. 378,429. PUBLISHED OCTOBER 27, 1936. Class 26.

365,294. MALT CHOCOLATE MIXTURE IN POWDER FORM. BESTOV PRODUCTS, INC., New York, N. Y.
Filed September 4, 1936. Serial No. 382,903. PUBLISHED NOVEMBER 10, 1936. Class 46.

365,295. IRRADIATED AND OZONATED SOLID AND LIQUID PETROLATUM. HERBERT F. NUSBAUM, New York, N. Y.
Filed March 4, 1937. Serial No. 389,761. PUBLISHED MAY 11, 1937. Class 6.

365,296. SOCKS AND STOCKINGS AND SHAWLS FOR PERSONAL WEAR. BERNHARD ALTMANN, Vienna, Germany.
Filed April 2, 1937. Serial No. 390,885. PUBLISHED DECEMBER 20, 1938. Class 39.

365,297. NECKTIES. JACOB S. MORRISON, doing business as American Neckwear Mfg. Co., Chicago, Ill.
Filed June 1, 1937. Serial No. 393,499. PUBLISHED SEPTEMBER 14, 1937. Class 39.

365,298. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed July 21, 1937. Serial No. 395,475. PUBLISHED FEBRUARY 1, 1938. Class 46.

365,299. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn.
Filed July 23, 1937. Serial No. 395,585. PUBLISHED JANUARY 18, 1938. Class 49.

365,300. HAIR PREPARATIONS — NAMELY, DANDRUFF OIL AND HAIR TONIC. WELCH & JOHNSON MFG. CO., Chicago, Ill.
Filed August 20, 1937. Serial No. 396,624. PUBLISHED NOVEMBER 16, 1937. Class 6.

365,301. MEN'S AND BOYS' SUITS AND OVERCOATS, TOPCOATS, RAINCOATS, HATS, SHOES MADE OF LEATHER OR FABRICS OR COMBINATIONS THEREOF, UNDERWEAR, SWEATERS, AND GLOVES MADE OF LEATHER OR FABRICS AND COMBINATIONS THEREOF. SILBERBERGS, INC., Niagara Falls, N. Y.
Filed September 2, 1937. Serial No. 397,055. PUBLISHED JANUARY 4, 1938. Class 39.

365,302. GIRLS' AND MISSES' SNOW SUITS, SKI SUITS, SKI PANTS, JACKETS, COATS, HATS, LEGGINGS, OVERALLS, SCARFS, LUMBERJACKS, AND LEATHER AND FABRIC MITTENS. MAYFAIR TOGS, INC., New York, N. Y.
Filed September 25, 1937. Serial No. 397,813. PUBLISHED DECEMBER 6, 1938. Class 39.

365,303. PIANOS. W. G. EAVESTAFF & SONS LIMITED, London, England.
Filed October 13, 1937. Serial No. 398,426. PUBLISHED DECEMBER 27, 1938. Class 36.

365,304. MEN'S AND BOYS' FELT AND STRAW HATS. GEO. W. BOLLMAN & Co., Adamstown, Pa.
Filed October 20, 1937. Serial No. 398,704. PUBLISHED DECEMBER 13, 1938. Class 39.

365,305. ICE CREAM, ICES, AND MALTED MILK. PRINCE CASTLES, Naperville, Ill.
Filed October 21, 1937. Serial No. 398,791. PUBLISHED DECEMBER 27, 1938. Class 46.

365,306. MEN'S AND WOMEN'S SHOES AND SLIPPERS MADE OF LEATHER AND/OR FABRIC OR MIXTURES OF THESE MATERIALS. A. S. BECK SHOE CORPORATION, New York, N. Y.
Filed October 23, 1937. Serial No. 398,833. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,307. DOG FOOD. HOUSTON PACKING COMPANY, Houston, Tex.
Filed November 12, 1937. Serial No. 399,662. PUBLISHED DECEMBER 27, 1938. Class 46.

365,308. SOY BEAN INSECTICIDES. SOY BEAN PROCESSING COMPANY, INC., Westfield, Waterloo, Iowa.
Filed November 15, 1937. Serial No. 399,781. PUBLISHED FEBRUARY 8, 1938. Class 6.

365,309. THREAD AND YARN COMPRISING CHIEFLY ETHYL CELLULOSE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed November 20, 1937. Serial No. 399,956. PUBLISHED DECEMBER 20, 1938. Class 43.

365,310. WOOD PULP. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y.
Filed November 20, 1937. Serial No. 399,961. PUBLISHED DECEMBER 6, 1938. Class 1.

365,311. LADIES' AND CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, HATS, CAPS, AND SWEATERS. JAME-WOLF CO., Terre Haute, Ind.
Filed November 24, 1937. Serial No. 400,112. PUBLISHED DECEMBER 20, 1938. Class 39.

365,312. BADGES, PENDANTS, EMBLEMS, AND BUTTONS, CONSISTING WHOLLY OR PARTLY OF PRECIOUS METAL. THE GRADUATE SCHOOL OF BANKING, New York, N. Y.
Filed December 21, 1937. Serial No. 401,110. PUBLISHED FEBRUARY 15, 1938. Class 28.

365,313. COLD CREAM. PENDRAGON, NOT INCORPORATED, Chicago, Ill.
Filed January 10, 1938. Serial No. 401,799. PUBLISHED DECEMBER 13, 1938. Class 6.

365,314. CELLOPHANE, GLASSINE, OR PAPER BAGS WHICH ARE SOLD IN TRADE EMPTY. ONEIDA PAPER PRODUCTS, INC., New York, N. Y.
Filed January 15, 1938. Serial No. 401,942. PUBLISHED DECEMBER 27, 1938. Class 2.

365,315. BEER. BESTOV PRODUCTS, INC., New York, N. Y.
Filed February 2, 1938. Serial No. 402,589. PUBLISHED DECEMBER 27, 1938. Class 48.

365,316. TOOTH POWDERS AND TOOTH PASTE. CHEX LABORATORIES COMPANY, Des Moines, Iowa.
Filed February 5, 1938. Serial No. 402,719. PUBLISHED JULY 26, 1938. Class 6.

365,317. WOMEN'S SILK AND RAYON PANTIES, GIRDLES, AND COMBINATION GIRDLE-STEP-INS. WOLFE & LANO, INC., New York, N. Y.
Filed February 24, 1938. Serial No. 403,383. PUBLISHED JULY 5, 1938. Class 39.

365,318. FABRIC GLOVES. QUALITY GLOVE CORPORATION, New York, N. Y.
Filed March 2, 1938. Serial No. 403,614. PUBLISHED DECEMBER 6, 1938. Class 39.

365,319. ELECTRICAL DUCT AND FITTINGS FOR SURFACE WIRING SYSTEMS. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa.
Filed March 11, 1938. Serial No. 403,958. PUBLISHED DECEMBER 27, 1938. Class 21.

365,320. FRESH CITRUS FRUIT. RIO GRANDE VALLEY CITRUS GROWERS ASSOCIATION, Mercedes, Tex.
Filed March 18, 1938. Serial No. 404,231. PUBLISHED DECEMBER 27, 1938. Class 46.

365,321. INTERNAL COMBUSTION ENGINE DETONATION SUPPRESSOR FOR ATTACHMENT TO THE INTAKE MANIFOLD. THE KANE PRODUCTS, INC., Shelton, Conn.
Filed April 2, 1938. Serial No. 404,812. PUBLISHED DECEMBER 27, 1938. Class 23.

365,322. HOUSEHOLD FURNITURE COMPRISING DRESSERS, BEDS, CHINA CABINETS, KITCHEN TABLES, PARLOR SUITES, BUFFETS, TABLES, AND CHAIRS. FURNITURE MERCHANDISING INSTITUTE, Chicago, Ill.
Filed April 7, 1938. Serial No. 404,982. PUBLISHED DECEMBER 27, 1938. Class 32.

365,323. MEDICINES, A PREPARATION FOR THE TREATMENT OF RHEUMATISM, NEURALGIA, AND A LAXATIVE. HALL REMEDY CO., Tampa, Fla.
Filed April 8, 1938. Serial No. 405,020. PUBLISHED DECEMBER 20, 1938. Class 6.

365,324. BEER. KOPPITZ MELCHERS, INC., Detroit, Mich.
Filed April 8, 1938. Serial No. 405,024. PUBLISHED DECEMBER 27, 1938. Class 48.

365,325. APRONS FOR HOUSEHOLD USE, AND SPORT CLOTHES FOR WOMEN AND CHILDREN—NAMELY, COATS, JACKETS, SHIRTS, HALTERS, BRASSIÈRES, ETC. HAROLD C. MYERS, doing business as E. B. Myers Co., Los Angeles, Calif.
Filed April 22, 1938. Serial No. 405,609. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,326. MEDICINE, AS A STOMACHIC PREPARATION. HOME DRUG COMPANY, Chicago, Ill.
Filed April 23, 1938. Serial No. 405,647. PUBLISHED JUNE 14, 1938. Class 6.

365,327. SOY BEAN FLOUR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed April 28, 1938. Serial No. 405,839. PUBLISHED DECEMBER 27, 1938. Class 46.

365,328. JELL USED FOR FEMININE HYGIENE. CHARLES F. HAAS, doing business as Midwest Laboratories, Cleveland, Ohio.
Filed April 29, 1938. Serial No. 405,845. PUBLISHED DECEMBER 13, 1938. Class 6.

365,329. LACES MADE OF COTTON, SILK, ARTIFICIAL SILK, WOOL, MERCERIZED COTTON, IMITATION METAL THREADS, ETC. WIENER BROS. & GOLDSMITH, INC., New York, N. Y.
Filed May 18, 1938. Serial No. 406,485. PUBLISHED DECEMBER 27, 1938. Class 42.

365,330. YARNS. MERKEL & KIENLIN, G. M. B. H., Esslingen-Neckar, Germany.
Filed May 31, 1938. Serial No. 406,933. PUBLISHED DECEMBER 20, 1938. Class 43.

365,331. CHEMICALS FOR TREATING METAL, PRIMARILY USEFUL IN PREPARING METAL SURFACES TO RECEIVE PROTECTIVE COATINGS. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed June 9, 1938. Serial No. 407,255. PUBLISHED DECEMBER 20, 1938. Class 6.

365,332. LADIES' BRASSIÈRES. DAINTY MAID BRASSIERE MFG. COMPANY, New York, N. Y.
Filed June 27, 1938. Serial No. 407,944. PUBLISHED DECEMBER 6, 1938. Class 39.

365,333. PREPARATION IN TABLET FORM FOR USE IN TREATING INTESTINAL DERANGEMENTS, ETC. ROY L. HARRIS, doing business as R. L. Harris Company, Omaha, Nebr.
Filed July 2, 1938. Serial No. 408,161. PUBLISHED NOVEMBER 15, 1938. Class 6.

365,334. OILY PREPARATION TO BE APPLIED TO THE SKIN TO PREVENT SUNBURN AND AID AN EVEN TAN. GEORGE W. BEEMAN, doing business as Beeman & Company, Detroit, Mich.
Filed July 5, 1938. Serial No. 408,185. PUBLISHED DECEMBER 13, 1938. Class 6.

365,335. LADIES' AND GIRLS' DRESSES, FROCKS, BLOUSES, PETTICOATS, SLIPS, SWEATERS, COATS, SUITS, ETC. GOLDWATERS MERCANTILE CO., Phoenix, Ariz.
Filed July 12, 1938. Serial No. 408,486. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,336. CIGARETTE WRAPPERS. SALVATORE TRIDICO, Brooklyn, N. Y.
Filed July 15, 1938. Serial No. 408,552. PUBLISHED DECEMBER 27, 1938. Class 8.

365,337. SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, OR CHILDREN. LANE BROTHERS COMPANY, Boston, Mass.
Filed July 26, 1938. Serial No. 408,925. PUBLISHED DECEMBER 6, 1938. Class 39.

365,338. TIRES, V-BELTS, FAN BELTS, AND RAILWAY V-BELTS. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed July 28, 1938. Serial No. 408,993. PUBLISHED DECEMBER 27, 1938. Class 35.

365,339. RUG CUSHIONS. TEXTILE CORPORATION OF AMERICA, New York, N. Y.
Filed July 29, 1938. Serial No. 409,071. PUBLISHED DECEMBER 27, 1938. Class 50.

365,340. CORSETS. FRANCO CORSET COMPANY, New York, N. Y.
Filed July 30, 1938. Serial No. 409,091. PUBLISHED DECEMBER 6, 1938. Class 39.

365,341. BABY PADS IN THE NATURE OF POSTERIOR APRONS MADE OF FABRIC MATERIAL. DEE R. GIVENS, doing business as Givens & Co., Western Springs, Ill.
Filed July 30, 1938. Serial No. 409,094. PUBLISHED DECEMBER 27, 1938. Class 39.

365,342. MEDICINAL EMULSION FOR EXTERNAL APPLICATION FOR BURNS AND AFFECTIONS OF THE SKIN. C. S. O. LABORATORIES, Dallas, Tex.
Filed August 2, 1938. Serial No. 409,160. PUBLISHED DECEMBER 20, 1938. Class 6.

365,343. TEXTILE FABRICS IN THE PIECE, MADE OF COTTON, LINEN, RAYON, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I., assignor to Crompton Company, a corporation of Delaware.
Filed August 5, 1938. Serial No. 409,261. PUBLISHED DECEMBER 27, 1938. Class 42.

365,344. SWEATBANDS FOR HATS SOLD SEPARATE AND APART FROM THE HATS. LOUIS KLEINMAN, Brooklyn, N. Y.
Filed August 9, 1938. Serial No. 409,402. PUBLISHED DECEMBER 20, 1938. Class 39.

365,345. ALUMINOUS ABRASIVES. SOCIETE D'ELECTROCHIMIE, D'ELECTROMETALLURGIE ET DES ACIERIES ELECTRIQUES D'UGINE, Paris, France.
Filed August 10, 1938. Serial No. 409,443. PUBLISHED DECEMBER 27, 1938. Class 4.

365,346. MEN'S AND BOYS' HATS. WEIL CLOTHING COMPANY, St. Louis, Mo.
Filed August 10, 1938. Serial No. 409,451. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,347. CURTAINS AND DRAPERIES. MORRIS B. ROBBINS, New York, N. Y.
Filed August 18, 1938. Serial No. 409,746. PUBLISHED DECEMBER 27, 1938. Class 42.

365,348. HANDKERCHIEFS. DAVID E. SCHWAB & Co., New York, N. Y.
Filed August 11, 1938. Serial No. 409,491. PUBLISHED DECEMBER 6, 1938. Class 39.

365,349. FUR SKINS. BRICKNER & BERNFELD, INC., New York, N. Y.
Filed August 19, 1938. Serial No. 409,761. PUBLISHED DECEMBER 27, 1938. Class 1.

365,350. CASTOR OIL. E. R. SQUIBB & SONS, New York, N. Y.
Filed August 19, 1938. Serial No. 409,785. PUBLISHED DECEMBER 20, 1938. Class 6.

365,351. INFANTS' SHOES. WIZARD LIGHTFOOT APPLIANCE CO., St. Louis, Mo.
Filed August 19, 1938. Serial No. 409,796. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,352. ENAMEL ADAPTED FOR COATING FINGER NAILS. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y.
Filed August 20, 1938. Serial No. 409,821. PUBLISHED NOVEMBER 8, 1938. Class 6.

365,353. GARMENT BAGS, FUR SCARF BAGS, HAT BAGS, BLANKET AND COMFORTER BAGS, LINGERIE BAGS, FOOD BAGS, ELECTRIC APPLIANCE COVERS. PROTEX PRODUCTS COMPANY, Jersey City, N. J.
Filed August 23, 1938. Serial No. 409,890. PUBLISHED DECEMBER 27, 1938. Class 2.

365,354. HAIR TONIC AND SCALP TREATING PRODUCTS. BRAD-JO COMPANY, Oakland, Calif.
Filed August 24, 1938. Serial No. 409,907. PUBLISHED DECEMBER 20, 1938. Class 6.

365,355. NASAL JELLY. LOIS FINLEY, doing business as Can Do Company, Kansas City, Mo.
Filed August 26, 1938. Serial No. 409,995. PUBLISHED DECEMBER 13, 1938. Class 6.

365,356. SAVINGS BANKS AND LIKE SMALL PORTABLE CURRENCY CONTAINERS. BERNHARD H. HOCKSWENDER, doing business as B. H. Hockswender and Associates, Pittsburgh, Pa.
Filed August 26, 1938. Serial No. 409,997. PUBLISHED DECEMBER 27, 1938. Class 25.

365,357. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL, PARTICULARLY SWEATERS, CARDIGANS, HOSIERY, JACKETS, AND SLACKS; AND WOMEN'S AND CHILDREN'S CAPS, HATS, UNDER AND OUTER SHIRTS, AND BLOUSES. ECLIPSE KNITTING MILLS INC., East Newark, N. J.
Filed August 29, 1938. Serial No. 410,072. PUBLISHED DECEMBER 6, 1938. Class 39.

365,358. LONG BOLOGNA, THICK BOLOGNA, MIDGET BOLOGNA, BOLOGNA RINGS, LONG SALAMI, SQUARE SALAMI, ETC. HEBREW NATIONAL KOSHER SAUSAGE COMPANY, INC., New York, N. Y.
Filed August 30, 1938. Serial No. 410,109. PUBLISHED DECEMBER 27, 1938. Class 46.

365,359. TEXTILE DIAPERS. CHICOPEE SALES CORPORATION, New York, N. Y.
Filed August 31, 1938. Serial No. 410,132. PUBLISHED DECEMBER 6, 1938. Class 39.

365,360. MEDICAL PREPARATION FOR TREATMENT OF COLDS, BRONCHITIS, NASAL CONGESTION, CATARRHAL CONDITIONS, HAY FEVER, NEURITIS, SORE MUSCLES AND STIFF JOINTS, LUMBAGO, COLD SORES, PAINFUL GUMS AND JAWS AFTER TOOTH EXTRACTION, ACHING FOOT ARCHES. WARREN W. JONES, Pittsburgh, Pa.
Filed September 1, 1938. Serial No. 410,183. PUBLISHED DECEMBER 20, 1938. Class 6.

365,361. TOILET CREAMS. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed September 1, 1938. Serial No. 410,190. PUBLISHED DECEMBER 20, 1938. Class 6.

365,362. BRASSIÈRES, BANDEAUS, CORSETS, CORSELETS, AND GIRDLES. FAY-MISS BRASSIERE CO., INC., New York, N. Y.
Filed September 2, 1938. Serial No. 410,218. Published December 6, 1938. Class 39.

365,363. MEN'S SUITS, HATS, AND CAPS. THE MAY DEPARTMENT STORES CO., New York, N. Y., Akron, Ohio, Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed September 6, 1938. Serial No. 410,298. PUBLISHED DECEMBER 13, 1938. Class 39.

365,364. PLAQUES OF CERAMIC MATERIAL CARRYING BABIES' HAND OR FOOT PRINTS. RUTH TENNISON HEINEMAN, Cincinnati, Ohio.
Filed September 8, 1938. Serial No. 410,363. PUBLISHED DECEMBER 27, 1938. Class 50.

365,365. PREPARATION IN THE FORM OF A PASTE USED TO CLEAN, PRESERVE, AND BEAUTIFY AUTOMOBILES AND OTHER COATED AND FINISHED SURFACES BY PRODUCING A FILM OR COAT THEREON. IVANO INC., Chicago, Ill.
Filed September 9, 1938. Serial No. 410,395. PUBLISHED DECEMBER 27, 1938. Class 16.

365,366. PREPARATION IN THE FORM OF A PASTE USED TO CLEAN, PRESERVE, AND BEAUTIFY AUTOMOBILES AND OTHER COATED AND FINISHED SURFACES, ETC. IVANO INC., Chicago, Ill.
Filed September 9, 1938. Serial No. 410,396. PUBLISHED DECEMBER 27, 1938. Class 16.

365,367. ALUMINUM STEARATE COMPOUNDS USED IN THE MANUFACTURE OF HIGH-GRADE GREASES AND WATER-PROOFING MATERIAL SUCH AS ROOFING. INTERNATIONAL LUBRICANT CORPORATION, Southport, La.
Filed September 9, 1938. Serial No. 410,398. PUBLISHED DECEMBER 20, 1938. Class 6.

365,368. CARBON BINDER SOLVENT AND CARBON REMOVER. PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y.
Filed September 10, 1938. Serial No. 410,443. PUBLISHED DECEMBER 20, 1938. Class 6.

365,369. CANNED FISH. SOCIETÀ ANONIMA ANGELO PARODI FU BMEO., Genoa, Italy.
Filed January 29, 1938. Serial No. 402,488. PUBLISHED DECEMBER 27, 1938. Class 46.

365,370. NECKTIES AND CRAVATS. LEOPOLD LERNER, New York, N. Y.
Filed September 14, 1938. Serial No. 410,548. PUBLISHED DECEMBER 27, 1938. Class 39.

365,371. GRUB PROOFING PREPARATION FOR LAWNS, GOLF GREENS, AND THE LIKE. ANDREW WILSON, INC., Springfield, N. J.
Filed September 14, 1938. Serial No. 410,567. PUBLISHED DECEMBER 20, 1938. Class 6.

365,372. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES. O'DONNELL SHOE COMPANY, St. Paul, Minn., and Humboldt, Tenn.
Filed September 19, 1938. Serial No. 410,746. PUBLISHED DECEMBER 27, 1938. Class 39.

365,373. HATS AND CAPS FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN. PORTIS BROS. HAT CO., Chicago, Ill.
Filed September 19, 1938. Serial No. 410,748. PUBLISHED DECEMBER 27, 1938. Class 39.

365,374. ATTACHMENTS FOR CONTAINERS FOR MEASURING AND DISPENSING LIQUIDS THEREFROM. BARR PRODUCTS COMPANY, San Francisco, Calif.
Filed September 21, 1938. Serial No. 410,823. PUBLISHED DECEMBER 27, 1938. Class 26.

365,375. RAZOR BLADES. DAVE PULLMAN, Akron, Ohio.
Filed September 21, 1938. Serial No. 410,846. PUBLISHED DECEMBER 27, 1938. Class 23.

365,376. MEDICATED JELLIES FOR HUMAN USE IN THE TREATMENT OF BURNS AND SCALDS. A. DE ST. DALMAS & CO. LTD., Leicester, England.
Filed September 23, 1938. Serial No. 410,901. PUBLISHED DECEMBER 20, 1938. Class 6.

365,377. SWEET POTATOES. LEO GUILBEAU, Sunset, La.
Filed September 23, 1938. Serial No. 410,905. PUBLISHED DECEMBER 27, 1938. Class 46.

365,378. HANDKERCHIEFS. SOUTHERN HANDKERCHIEF MFG. CO., Greenville, S. C.
Filed September 23, 1938. Serial No. 410,934. PUBLISHED DECEMBER 20, 1938. Class 39.

365,379. MEDICAL PREPARATIONS FOR RELIEVING COLDS. AMERICAN PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed September 24, 1938. Serial No. 410,943. PUBLISHED DECEMBER 20, 1938. Class 6.

365,380. PAINTS IN DRY FORM AND IN PASTE FORM. AMERICAN POLYTECT CORPORATION, New York, N. Y.
Filed September 24, 1938. Serial No. 410,944. PUBLISHED DECEMBER 27, 1938. Class 16.

365,381. HATS AND BANDANNAS FOR WOMEN AND CHILDREN. LEWIS & EFRON, New York, N. Y.
Filed September 24, 1938. Serial No. 410,960. PUBLISHED DECEMBER 27, 1938. Class 39.

365,382. HAIR NETS. EDWARD J. PFEFFER, doing business as Kippy Products Company, Chicago, Ill.
Filed September 24, 1938. Serial No. 410,966. PUBLISHED DECEMBER 6, 1938. Class 39.

365,383. MISSES' AND GIRLS' HATS. BEST & CO. INC., New York, N. Y.
Filed September 26, 1938. Serial No. 410,984. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,384. TOOTH PASTE, TOOTH POWDER, STYPTIC PENCILS, MENTHOL INHALANT, PARADICHLOROBENZENE, SHAMPOO, TOILET WATER, AFTER-SHAVE LOTION, BAY RUM, AND HAIR TONIC. GOLDSMITH BROS., New York, N. Y.
Filed September 26, 1938. Serial No. 410,991. PUBLISHED DECEMBER 13, 1938. Class 6.

365,385. CARD GAME. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed September 27, 1938. Serial No. 411,036. PUBLISHED DECEMBER 27, 1938. Class 22.

365,386. CONDUIT FITTINGS, COUPLINGS, BUSHINGS, CONNECTORS, STRAPS, CAPPED ELBOWS, SURFACE HEADS, LOCK NUTS, AND ENTRANCE CAPS FOR ELECTRICAL WORK. CONDUIT FITTINGS CORPORATION, Chicago, Ill.
Filed September 28, 1938. Serial No. 411,047. PUBLISHED DECEMBER 27, 1938. Class 21.

365,387. OIL AND GREASE RESISTANT COMPOUND FOR PAPER. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed September 28, 1938. Serial No. 411,054. PUBLISHED DECEMBER 13, 1938. Class 6.

365,388. LIQUID ADHERENT TO BE APPLIED TO THE FACE. RUTH A. FLETCHER, doing business as Maison Adèle, Watertown, Mass.
Filed September 28, 1938. Serial No. 411,068. PUBLISHED DECEMBER 13, 1938. Class 6.

365,389. CORSETS, CORSELETS, GIRDLES, BANDEAUS, PANTIES, AND BRASSIÈRES. VANITY CORSET COMPANY, INC., New York, N. Y.
Filed September 29, 1938. Serial No. 411,109. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,390. CHEMICALS FOR USE IN OBTAINING ON METALLIC SURFACES CORROSION-RESISTANT PAINT-HOLDING COATINGS. PARKER RUST PROOF COMPANY, Detroit, Mich.
Filed September 30, 1938. Serial No. 411,134. PUBLISHED DECEMBER 13, 1938. Class 6.

365,391. POLISHING AND BUFFING MACHINES. ACME MANUFACTURING COMPANY, Detroit, Mich.
Filed October 1, 1938. Serial No. 411,144. PUBLISHED DECEMBER 27, 1938. Class 23.

365,392. HAIR TONIC. BEAUTALURE, INC., Wilmington, Del.
Filed October 1, 1938. Serial No. 411,149. PUBLISHED DECEMBER 13, 1938. Class 6.

365,393. PHOTOGRAPHIC FILM DEVELOPING, FIXING, AND HARDENING SOLUTIONS. OXFORD PRODUCTS COMPANY, Beverly Hills, Calif.
Filed October 1, 1938. Serial No. 411,179. PUBLISHED DECEMBER 13, 1938. Class 6.

365,394. CARBON TETRACHLORIDE. DIAMOND ALKALI COMPANY, Pittsburgh, Pa.
Filed October 3, 1938. Serial No. 411,216. PUBLISHED DECEMBER 20, 1938. Class 6.

365,395. PHOSPHATE COMPOSITIONS CHARACTERIZED BY THEIR EMULSIFYING, DISPERSING, DEFLOCCULATING, WATER SOFTENING, AND, EITHER ALONE OR IN COMBINATION WITH SOAP, BY THEIR DETERGENT PROPERTIES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed October 3, 1938. Serial No. 411,233. PUBLISHED DECEMBER 13, 1938. Class 6.

365,396. PLASTIC COMPOSITIONS IN POWDERED FORM OR IN MOLDED OR CAST FORM, ALSO IN THE FORM OF SHEETS OR FILMS SUITED FOR TRANSPARENT WRAPPING, CONTAINERS, ETC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed October 3, 1938. Serial No. 411,234. PUBLISHED DECEMBER 27, 1938. Class 50.

365,397. SHOES MADE MAINLY OF LEATHER. RACINE SHOE MANUFACTURING COMPANY, Racine, Wis.
Filed October 3, 1938. Serial No. 411,246. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,398. OINTMENT—NAMELY, FOR CUTS AND BURNS, SCALDS, AND SURFACE WOUNDS. DEWOODY MANUFACTURING COMPANY, Pine Bluff, Ark.
Filed October 3, 1938. Serial No. 411,260. PUBLISHED DECEMBER 13, 1938. Class 6.

365,399. MARKING BOARDS AND CRAYONS FOR USE AS TOYS. CHARLES B. CHATFIELD, Woodbury, Conn., assignor to The Chatfield-Clarke Company, Woodbury, Conn., a corporation of Connecticut.
Filed October 4, 1938. Serial No. 411,266. PUBLISHED DECEMBER 27, 1938. Class 22.

365,400. MALTLESS SOFT DRINKS AND FLAVORING SYRUPS THEREFOR. HARRY J. COFFMAN, Los Angeles, Calif.
Filed October 4, 1938. Serial No. 411,268. PUBLISHED DECEMBER 27, 1938. Class 45.

365,401. RUBBER HEELS AND RUBBER SOLES. THE HAGERSTOWN RUBBER COMPANY, Hagerstown, Md.
Filed October 4, 1938. Serial No. 411,272. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,402. HOISTS. CHISHOLM-MOORE HOIST CORP., Tonawanda, N. Y.
Filed October 4, 1938. Serial No. 411,267. PUBLISHED DECEMBER 27, 1938. Class 23.

365,403. HAY FEVER AND ROSE COLD PREPARATIONS. ALBERT T. KEIL, Mars, Pa.
Filed October 5, 1938. Serial No. 411,299. PUBLISHED DECEMBER 20, 1938. Class 6.

365,404. CAMERA LENSES AND LENS MOUNTINGS. WOLLENSAK OPTICAL COMPANY, Rochester, N. Y.
Filed October 5, 1938. Serial No. 411,317. PUBLISHED DECEMBER 27, 1938. Class 26.

365,405. SMOKED HAMS. P. D. GWALTNEY, JR. & CO. INC., Smithfield, Va.
Filed October 6, 1938. Serial No. 411,334. PUBLISHED DECEMBER 27, 1938. Class 46.

365,406. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed October 7, 1938. Serial No. 411,356. PUBLISHED DECEMBER 20, 1938. Class 39.

365,407. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed October 7, 1938. Serial No. 411,358. PUBLISHED DECEMBER 20, 1938. Class 39.

365,408. MEN'S HATS. ADAM HATS STORES, INC., New York, N. Y.
Filed October 7, 1938. Serial No. 411,359. PUBLISHED DECEMBER 20, 1938. Class 39.

365,409. FUEL INJECTION EQUIPMENT, COMPRISING FUEL INJECTION PUMPS, FUEL SUPPLY PUMPS, OIL FILTERS, NOZZLES, NOZZLE HOLDERS, ETC. AMERICAN BOSCH CORPORATION, Springfield, Mass.
Filed October 7, 1938. Serial No. 411,361. PUBLISHED DECEMBER 27, 1938. Class 23.

365,410. MEN'S AND BOYS' STRAW, PAPER, AND FIBER HATS. CARADINE HAT COMPANY, St. Louis, Mo.
Filed October 7, 1938. Serial No. 411,368. PUBLISHED DECEMBER 6, 1938. Class 39.

365,411. TOWELS. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed October 7, 1938. Serial No. 411,379. PUBLISHED DECEMBER 27, 1938. Class 42.

365,412. FABRIC GLOVES. VAN RAALTE COMPANY, New York, N. Y.
Filed October 7, 1938. Serial No. 411,390. PUBLISHED DECEMBER 6, 1938. Class 39.

365,413. THREAD AND YARN. JOHN W. W. HOLDEN, Providence, R. I.
Filed October 8, 1938. Serial No. 411,414. PUBLISHED DECEMBER 13, 1938. Class 43.

365,414. STOCK FOOD, PARTICULARLY CATTLE FEED. GENERAL MILLS, INC., Minneapolis, Minn.
Filed October 10, 1938. Serial No. 411,450. PUBLISHED DECEMBER 27, 1938. Class 46.

365,415. STOCK FOOD, PARTICULARLY FEED FOR PIGS AND HOGS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed October 10, 1938. Serial No. 411,451. PUBLISHED DECEMBER 27, 1938. Class 46.

365,416. BOARD GAME PLAYED WITH MOVABLE PIECES. PAUL BUNYAN, INC., St. Paul, Minn.
Filed October 10, 1938. Serial No. 411,465. PUBLISHED DECEMBER 27, 1938. Class 22.

365,417. MISSES' AND CHILDREN'S HANDBAGS MADE OF LEATHER, FABRIC, LEATHER COMPOSITIONS, AND COMBINATIONS THEREOF. BETTY ANNE BAG COMPANY, Newburgh, N. Y.
Filed October 11, 1938. Serial No. 411,487. PUBLISHED DECEMBER 27, 1938. Class 3.

365,418. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed October 11, 1938. Serial No. 411,496. PUBLISHED DECEMBER 6, 1938. Class 39.

365,419. FOOT BALLS, SOCCER BALLS, BASKET BALLS, BOXING GLOVES, AND TOYS AND MECHANICAL GOODS FOR CHILDREN—NAMELY, WAGONS, VELOCIPEDES, PARK CYCLES, AUTOMOBILES, SCOOTERS, DOLL CARRIAGES, WHEEL BARROWS, PEDAL BIKES, BABY WALKERS, SLEDS, AND HAND CARS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed October 12, 1938. Serial No. 411,526. PUBLISHED DECEMBER 27, 1938. Class 22.

365,420. WOMEN'S SLIPPERS MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF. W. T. GRANT COMPANY, New York, N. Y.
Filed October 13, 1938. Serial No. 411,574. PUBLISHED DECEMBER 20, 1938. Class 39.

365,421. HAIR CURLING FLUID. TRESS ROLL CORPORATION, New York, N. Y.
Filed October 13, 1938. Serial No. 411,585. PUBLISHED DECEMBER 13, 1938. Class 6.

365,422. BLANKETS. THE ESMOND MILLS, New York, N. Y.
Filed October 15, 1938. Serial No. 411,631. PUBLISHED DECEMBER 27, 1938. Class 42.

365,423. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. LEONARD MUSIC, New York, N. Y.
Filed October 15, 1938. Serial No. 411,648. PUBLISHED DECEMBER 13, 1938. Class 6.

365,424. YARN. MORELL NOVELTY COMPANY, INC., New York, N. Y.
Filed October 17, 1938. Serial No. 411,701. PUBLISHED DECEMBER 20, 1938. Class 43.

365,425. MEDICINAL PREPARATIONS USED IN BACTERIAL INFECTIONS. MERCK & CO. INC., Rahway, N. J.
Filed October 18, 1938. Serial No. 411,748. PUBLISHED DECEMBER 20, 1938. Class 6.

365,426. MEDICINAL PREPARATION CONTAINING VITAMIN E. HOFFMANN-LA ROCHE, INC., Nutley, N. J.
Filed October 19, 1938. Serial No. 411,778. PUBLISHED DECEMBER 20, 1938. Class 6.

365,427. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. HARVEY ROSEN, Brooklyn, N. Y.
Filed October 19, 1938. Serial No. 411,797. PUBLISHED DECEMBER 20, 1938. Class 39.

365,428. TOILET WATER, PERFUMES, AND COLOGNE. CARDINAL PARFUMS, INC., New York, N. Y.
Filed October 20, 1938. Serial No. 411,809. PUBLISHED DECEMBER 13, 1938. Class 6.

365,429. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 20, 1938. Serial No. 411,819. PUBLISHED DECEMBER 27, 1938. Class 42.

365,430. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 20, 1938. Serial No. 411,820. PUBLISHED DECEMBER 27, 1938. Class 42.

365,431. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 20, 1938. Serial No. 411,821. PUBLISHED DECEMBER 27, 1938. Class 42.

365,432. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed October 20, 1938. Serial No. 411,822. PUBLISHED DECEMBER 27, 1938. Class 42.

365,433. HAIR OINTMENT AND HAIR RECONDITIONER. JOSEPH GELMAN, Pittsburgh, Pa., assignor to Gould, Inc., Pittsburgh, Pa., a corporation of Pennsylvania.
Filed October 20, 1938. Serial No. 411,831. PUBLISHED DECEMBER 13, 1938. Class 6.

365,434. SKIN TONICS. CELESTE L. HUNTER, doing business as C. L. Hunter, Marrero, La.
Filed October 20, 1938. Serial No. 411,833. PUBLISHED DECEMBER 13, 1938. Class 6.

365,435. LIQUID SOLUTION FOR BLEACHING, DEODORIZING, AND DISINFECTING CLOTHES AND FOR OTHER HOUSEHOLD CLEANING USES, ALSO STERILIZING DRINKING RECEPTACLES. VINCENT B. BARTOS, doing business as Barton Chemical Co., Chicago, Ill.
Filed October 21, 1938. Serial No. 411,851. PUBLISHED DECEMBER 13, 1938. Class 6.

365,436. WHISKEY. DANT & HEAD DISTILLING COMPANY, Louisville and Gethsemane, Ky.
Filed October 21, 1938. Serial No. 411,868. PUBLISHED DECEMBER 27, 1938. Class 49.

365,437. SHOE CLEANER. LUCKY CHEMICAL LABORATORY INC., Kearny, N. J.
Filed October 21, 1938. Serial No. 411,875. PUBLISHED DECEMBER 27, 1938. Class 4.

365,438. RECEPTACLES FOR HOUSEHOLD USE, PARTICULARLY NON-METALLIC TRAYS. MCGRAW ELECTRIC COMPANY, Chicago, Ill.
Filed October 21, 1938. Serial No. 411,877. PUBLISHED DECEMBER 27, 1938. Class 2.

365,439. RECEPTACLES FOR HOUSEHOLD USE, PARTICULARLY NON-METALLIC TRAYS. MCGRAW ELECTRIC COMPANY, Chicago, Ill.
Filed October 21, 1938. Serial No. 411,883. PUBLISHED DECEMBER 27, 1938. Class 2.

365,440. MEDICAL PREPARATION CONTAINING ESTROGENIC SUBSTANCE OR PHYSIOLOGICALLY STANDARDIZED FOLLICULAR HORMONE, ETC. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,899. PUBLISHED DECEMBER 13, 1938. Class 6.

365,441. MEDICAL PREPARATION CONTAINING ANTERIOR LOBE PITUITARY EXTRACT, INDICATED FOR USE IN THE TREATMENT OF PITUITARY DEFICIENCIES, HORMONE IMBALANCE, AND ALLIED DISORDERS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,900. PUBLISHED DECEMBER 20, 1938. Class 6.

365,442. MEDICAL PREPARATION CONTAINING CONCENTRATED AND HIGHLY PURIFIED LIVER EXTRACT, INDICATED FOR USE IN THE TREATMENT OF ADDISONIAN PERNICIOUS ANEMIA AND SECONDARY ANEMIAS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,901. PUBLISHED DECEMBER 20, 1938. Class 6.

365,443. MEDICAL PREPARATION DERIVED FROM PREGNANCY URINE CONTAINING THE ANTERIOR PITUITARY-LIKE PRINCIPLE OF PREGNANCY URINE, ETC. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,902. PUBLISHED DECEMBER 20, 1938. Class 6.

365,444. MEDICAL PREPARATION OF ANTI-ANEMIC PRINCIPLES INDICATED FOR USE IN THE TREATMENT OF ADDISONIAN PERNICIOUS ANEMIA AND SECONDARY ANEMIAS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,903. PUBLISHED DECEMBER 20, 1938. Class 6.

365,445. MEDICAL PREPARATION OF SYNTHETICALLY DERIVED AND BIOLOGICALLY STANDARDIZED FOLLICULAR ESTRUS-PRODUCING HORMONE, ETC. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,904. PUBLISHED DECEMBER 20, 1938. Class 6.

365,446. MEDICAL PREPARATION CONTAINING THE ACTIVE MALE SEX HORMONE DERIVATIVE, INDICATED FOR USE IN THE TREATMENT OF IMPOTENCE, HYPOGONADISM, PROSTATIC HYPERTROPHY FOR CORRECTING IMBALANCE BETWEEN THE MALE AND FEMALE SEX HORMONES, AND IN THE TREATMENT OF LIKE AND ALLIED DISORDERS. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,905. PUBLISHED DECEMBER 20, 1938. Class 6.

365,447. MEDICAL PREPARATION CONTAINING THE ACTIVE PRINCIPLES OF THYROID INDICATED FOR USE IN THE TREATMENT OF HYPOTHYROIDISM, AND OTHER CONDITIONS REQUIRING STIMULATION OF METABOLISM. ROCHE-ORGANON, INC., Nutley, N. J.
Filed October 21, 1938. Serial No. 411,906. PUBLISHED DECEMBER 20, 1938. Class 6.

365,448. LIMES, HOTHOUSE GRAPES, AND ENDIVE OR BRUSSELS CHICORY. EMILE VRYDAGHS, doing business as J. V. & Co., New York, N. Y.
Filed October 21, 1938. Serial No. 411,922. PUBLISHED DECEMBER 27, 1938. Class 46.

365,449. CANDY. JOHN MACKINTOSH & SONS, LTD. INC., Boston, Mass.
Filed October 24, 1938. Serial No. 412,001. PUBLISHED DECEMBER 27, 1938. Class 46.

365,450. WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio.
Filed October 25, 1938. Serial No. 412,037. PUBLISHED DECEMBER 20, 1938. Class 39.

365,451. WOMEN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. THE L. V. MARKS & SONS COMPANY, Cincinnati, Ohio.
Filed October 25, 1938. Serial No. 412,038. PUBLISHED DECEMBER 20, 1938. Class 39.

365,452. CARBONATED BEVERAGES, PARTICULARLY NON-ALCOHOLIC MALTLESS BEVERAGES. SWIRLS, INC., Newark, N. J.
Filed October 26, 1938. Serial No. 412,048. PUBLISHED DECEMBER 27, 1938. Class 45.

365,453. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, PANTIES, PANTIE-GIRDLES, GIRDLES, AND GARTER-BELTS. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed October 26, 1938. Serial No. 412,066. PUBLISHED DECEMBER 20, 1938. Class 39.

365,454. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed October 26, 1938. Serial No. 412,073. PUBLISHED DECEMBER 27, 1938. Class 27.

365,455. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed October 26, 1938. Serial No. 412,074. PUBLISHED DECEMBER 27, 1938. Class 27.

365,456. NECKTIES. BOTANY WORSTED MILLS, Passaic, N. J.
Filed October 26, 1938. Serial No. 412,075. PUBLISHED DECEMBER 27, 1938. Class 39.

365,457. ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, FACE POWDER, DUSTING POWDER. COTY, INC., New York, N. Y.
Filed October 27, 1938. Serial No. 412,083. PUBLISHED DECEMBER 13, 1938. Class 6.

365,458. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed October 27, 1938. Serial No. 412,084. PUBLISHED DECEMBER 20, 1938. Class 6.

365,459. MEASURING AND COMPUTING OIL AND GASOLENE PUMPS. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind.
Filed October 27, 1938. Serial No. 412,119. PUBLISHED DECEMBER 27, 1938. Class 26.

365,460. RAZOR BLADES. BENJAMIN GORDON, New York, N. Y.
Filed October 28, 1938. Serial No. 412,134. PUBLISHED DECEMBER 27, 1938. Class 23.

365,461. DOG FOOD. HEALTHWIN PACKING COMPANY, Napoleon, Ohio.
Filed October 28, 1938. Serial No. 412,137. PUBLISHED DECEMBER 27, 1938. Class 46.

365,462. RAZOR BLADES. ALBERT A. KAPLAN, doing business as Durable Blade Company, New York, N. Y.
Filed October 28, 1938. Serial No. 412,144. PUBLISHED DECEMBER 27, 1938. Class 23.

365,463. BOOK AND PRINTING PAPERS. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed October 28, 1938. Serial No. 412,145. PUBLISHED DECEMBER 27, 1938. Class 37.

365,464. RAZOR BLADES. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.
Filed October 28, 1938. Serial No. 412,148. PUBLISHED DECEMBER 27, 1938. Class 23.

365,465. SANITARY TONGUE BLADES. BERST-FORSTER-DIXFIELD COMPANY, Dixfield, Maine, and New York, N. Y.
Filed November 2, 1938. Serial No. 412,284. PUBLISHED DECEMBER 27, 1938. Class 44.

365,466. FRESH CITRUS FRUITS. DOMINO CITRUS ASSOCIATION, INC., Bradenton, Fla.
Filed November 3, 1938. Serial No. 412,333. PUBLISHED DECEMBER 27, 1938. Class 46.

365,467. ASHTRAYS AND HOLDERS FOR CIGARS AND CIGARETTES. VINCENT A. HERR, doing business as Smok-O-Luxe Mfr's., Collinsville, Ill.
Filed November 3, 1938. Serial No. 412,338. PUBLISHED DECEMBER 27, 1938. Class 8.

365,468. WOOLEN GOODS IN THE PIECE. A. D. JUILLIARD & Co. INC., New York, N. Y.
Filed November 3, 1938. Serial No. 412,343. PUBLISHED DECEMBER 27, 1938. Class 42.

365,469. COGNAC BRANDY. JULES ROBIN, SOCIÉTÉ ANONYME, Cognac, France.
Filed November 3, 1938. Serial No. 412,360. PUBLISHED DECEMBER 27, 1938. Class 49.

365,470. WALL PAPER. GRANDBERG BROS. WALL PAPER Co., Boston, Mass.
Filed November 4, 1938. Serial No. 412,376. PUBLISHED DECEMBER 27, 1938. Class 37.

365,471. IMITATION VANILLA CONCENTRATE FOR FOOD PURPOSES. FELTON CHEMICAL COMPANY, INC., Brooklyn, N. Y.
Filed November 7, 1938. Serial No. 412,443. PUBLISHED DECEMBER 27, 1938. Class 46.

365,472. FRESH CITRUS FRUITS. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex.
Filed November 7, 1938. Serial No. 412,475. PUBLISHED DECEMBER 27, 1938. Class 46.

365,473. FRESH CITRUS FRUIT. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex.
Filed November 7, 1938. Serial No. 412,476. PUBLISHED DECEMBER 27, 1938. Class 46.

365,474. FRESH CITRUS FRUIT. ROY WEIR, doing business as Valley Fruit Company, Pharr, Tex.
Filed November 7, 1938. Serial No. 412,477. PUBLISHED DECEMBER 27, 1938. Class 46.

365,475. TOASTED PIES. THE ACME PIE CO., OF CLEVELAND, OHIO, Cleveland, Ohio.
Filed November 8, 1938. Serial No. 412,484. PUBLISHED DECEMBER 27, 1938. Class 46.

365,476. RUBBER REPAIR AND REPLACEMENT PARTS FOR VEHICLE BRAKING APPARATUS. WAGNER ELECTRIC CORPORATION, St. Louis, Mo.
Filed November 9, 1938. Serial No. 412,569. PUBLISHED DECEMBER 27, 1938. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

365,477. (CLASS 39. CLOTHING.) FASHION-BILT SHOE COMPANY, Pontiac, Ill. Filed Oct. 31, 1935. Serial No. 371,022.

FASHION-BILT

For Shoes Made of Leather, Boots and Rubbers Made of Rubber or Laminated Material.
Claims use since March, 1925.

365,478. (CLASS 2. RECEPTACLES.) WHITEHALL IMPORT & EXPORT CO., INC., New York, N. Y., assignor, by mesne assignments, to The Food Dispenser Company, Hartford, Conn., a corporation of Connecticut. Filed Feb. 10, 1937. Serial No. 388,740.

WHITEHALL

For Dispensing Containers and the Like for Fluent Substances.
Claims use since Jan. 4, 1937.

365,479. (CLASS 48. MALT BEVERAGES AND LIQUORS.) JAN GÖTZ OKOCIMSKI BROWAR I ZAKŁADY PRZEMYSŁOWE S. A., Okocim, Poland. Filed July 13, 1937. Serial No. 395,171.

J.GÖTZ, OKOCIM.

For Beers of Any Kind.
Claims use since March, 1928.

365,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. S. PEARSALL BUTTER CO., Elgin, Ill. Filed Oct. 5, 1937. Serial No. 398,169.

Algood

For Cottage Cheese, Mayonnaise, Thousand Island Dressing, Sandwich Spread, Relish Spread, Salad Dressing, Salad Spread, French Dressing, Tartar Sauce, Butter.
Claims use since Nov. 1, 1915.

365,481. (CLASS 39. CLOTHING.) KRESGE DEPARTMENT STORE, NEWARK, Newark, N. J., assignor to Sebastian S. Kresge, trading as Kresge Department Store, Newark, Newark, N. J., and elsewhere. Filed Oct. 7, 1937. Serial No. 398,248.

SWIM-LINE

KRESGE DEPT STORE

For Bathing Suits.
Claims use since Feb. 1, 1937.

365,482. (CLASS 39. CLOTHING.) PINCUS & TOBIAS, INC., New York, N. Y. Filed Nov. 16, 1937. Serial No. 399,806.

New Yorker

For Ladies' Leather and Fabric Shoes.
Claims use since 1910.

365,483. (CLASS 39. CLOTHING.) DAILEY'S STYLE SHOP, INC., New York, N. Y. Filed Nov. 18, 1937. Serial No. 399,883.

Use HOWARDS Time-Pay Plan!

For Men's and Women's and Girls' and Boys' Shoes Made of Leather, Rubber, or Fabric, or Combinations Thereof, Stockings, Socks, Underwear, Suits, Hats, Gloves, Scarves, and Handkerchiefs; Men's and Boys' Outer Shirts, Collars and Ties; Girls' Dresses; and Women's Negligees, Bandeaus, Corsets, Stepins, Pajamas, and Nightgowns.
Claims use since Nov. 1, 1937.

365,484. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DURAKOOL, INC., Elkhart, Ind. Filed Dec. 2. 1937. Serial No. 400,367.

TIP OVER SWITCH

For Electric Switches, Switch Cases, and Parts Thereof.
Claims use since Nov. 13, 1937.

365,485. (CLASS 39. CLOTHING.) BONWIT TELLER, INC., New York, N. Y. Filed Dec. 6, 1937. Serial No. 400,492.

"Polly Tucker"

For Women's and Misses' Hats; Coats; Suits; Dresses; Outer Skirts; Blouses; Sweaters; Shoes and Gloves Made of Leather, Fabric, and Combinations Thereof; Stockings; Slips; Panties; Brassières; Nightgowns; Pajamas; Negligees; Corsets and Girdles.
Claims use since Oct. 4, 1937.

365,486. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BEN-BURK, INC., Boston, Mass. Filed Dec. 23, 1937. Serial No. 401,177.

HAND-Y BOTTLE

For Whiskey.
Claims use since Nov. 24, 1937.

365,487. (CLASS 39. CLOTHING.) RACINE SHOE MANUFACTURING COMPANY, Racine, Wis. Filed Dec. 27, 1937. Serial No. 401,274.

Corcushions

For Shoes Made Mainly of Leather.
Claims use since Dec. 14, 1937.

365,488. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE. R. BLACKINTON & Co., North Attleboro, Mass. Filed Jan. 8, 1938. Serial No. 401,689.

Flowered Antique

For Silverware, Comprising Spoons, Forks, Trays, Dishes for Table Service.
Claims use since Oct. 28, 1937.

365,489. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Jan. 13, 1938. Serial No. 401,855.

Jane Clark

For Women's and Misses' Coats and Dresses.
Claims use since Jan. 5, 1938.

365,490. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Jan. 19, 1938. Serial No. 402,078.

RITESET

For Combs for the Hair.
Claims use since Jan. 12, 1938.

365,491. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Jan. 19, 1938. Serial No. 402,100.

Lonsdale

For Hat Bodies for Women's and Children's Hats.
Claims use since Jan. 1, 1938.

365,492. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NATIONAL NUGRAPE CO., Atlanta, Ga. Filed Jan. 20, 1938. Serial No. 402,136.

ALABAM

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Dec. 27, 1937.

365,493. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Jan. 21, 1938. Serial No. 402,191.

SNUB-R-GRIP

For Electrical Drop Wire Attaching Clamps.
Claims use since Dec. 14, 1937.

365,494. (CLASS 39. CLOTHING.) THE GOLDEN RULE, St. Paul, Minn. Filed Jan. 27, 1938. Serial No. 402,372.

Bud MORTON

For Boys' Clothing—Namely, Sweaters, Shirts for Under or Outer Wear, Jackets, Slacks, Pajamas, Caps, Hats, Snowsuits, and Overcoats.
Claims use since Dec. 7, 1937.

365,495. (CLASS 39. CLOTHING.) P. W. MINOR & SON, INC, Batavia, N. Y. Filed Feb. 10, 1938. Serial No. 402,912.

Triple Tite Heel

For Shoes for Women and Children, Made of Leather, Fabric, and/or Combinations of the Same.
Claims use since Dec. 22, 1937.

365,496. (CLASS 39. CLOTHING.) KOHEN-LIGON-FOLZ, INC., Dallas, Tex. Filed Feb. 18, 1938. Serial No. 403,181.

jeanne durrell

For Ladies' and Misses' Wearing Apparel—i. e., Coats, Suits, and Dresses.
Claims use since Mar. 19, 1920.

365,497. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SEYMOUR & PECK CO., Chicago, Ill. Filed Mar. 3, 1938. Serial No. 403,665.

Tri-Ply

For Foundry Riddles and Sieves for Relatively Coarse Material.
Claims use since Jan. 18, 1938.

365,498. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) COBURN TROLLEY TRACK COMPANY, Holyoke, Mass. Filed Mar. 8, 1938. Serial No. 403,813.

COBURN

For Hardware—Namely, Door Hangers, Sliding Door Tracks, Sliding Door Hardware, Folding Partition Hardware, and Fire Door Hardware.
Claims use since Mar. 1, 1937.

365,499. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Mar. 12, 1938. Serial No. 404,003.

THE Englander

For Women's and Misses' Coats and Suits.
Claims use since Jan. 1, 1938.

365,500. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WIZARD LIGHTFOOT APPLIANCE COMPANY, doing business as Wizard Lightfoot Company, Limited, St. Louis, Mo., and Walsall, England. Filed Mar. 30, 1938. Serial No. 404,672.

Buck Buffer

For Device Used for Restoring Whiteness to Shoes and Certain Fabrics by Gently Applying a White Powder to the Soiled Spots and Then Rubbing the Same Spots and Brushing Away the Surplus Powder with a Suitable Brush.
Claims use since Mar. 2, 1937.

365,501. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLARENCE S. BROWN & COMPANY, INC., New York, N. Y. Filed Apr. 11, 1938. Serial No. 405,101.

Everstai

For Cotton Piece Goods.
Claims use since Jan. 18, 1938.

365,502. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLISTER CANNING COMPANY, INC., Hollister, Calif. Filed Apr. 29, 1938. Serial No. 405,847.

FELICE

For Canned Fruits.
Claims use since Sept. 1, 1937.

365,503. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PACIFIC CITRUS PRODUCTS CO., LTD., Fullerton, Calif. Filed June 9, 1938. Serial No. 407,276.

LEO'S HAWAIIAN PUNCH

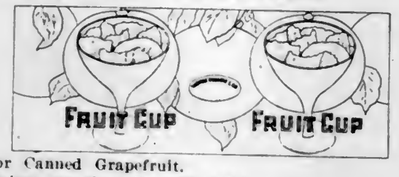
For Maltless, Nonalcoholic, Flavoring Extracts for Drinks.
Claims use since 1913.

365,504. (CLASS 39. CLOTHING.) MEDBURY & CARROLL, INC., New York, N. Y. Filed July 27, 1938. Serial No. 408,962.



For Men's Hats.
Claims use since January, 1935.

365,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS ROBERTS & CO., Philadelphia, Pa. Filed Aug. 15, 1938. Serial No. 409,623.



For Canned Grapefruit.
Claims use since Jan. 26, 1937.

365,506. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LONDON DRY GINGER ALE CO. INC., Wilmington, Del. Filed Aug. 17, 1938. Serial No. 409,689.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and for Syrups, Extracts, and Concentrates Used in Making the Same.
Claims use since Jan. 21, 1938.

365,507. (CLASS 39. CLOTHING.) EMANUEL HERTZBERGER, doing business as Best Ever Knitting Mills, New York, N. Y. Filed Aug. 25, 1938. Serial No. 409,965.



For Ladies' and Men's Scarfs, Hats, Caps, Neckties, Mufflers, and Sweaters.
Claims use since Dec. 27, 1934.

365,508. (CLASS 39. CLOTHING.) THE STROUSS-HIRSHBERG COMPANY, Youngstown, Ohio. Filed Aug. 29, 1938. Serial No. 410,103.

Paula Hunter

For Women's and Misses' Dresses.
Claims use since Dec. 31, 1937.

365,509. (CLASS 39. CLOTHING.) LAMM BROTHERS, INCORPORATED, Baltimore, Md. Filed Sept. 2, 1938. Serial No. 410,231.

Tyrone

For Sport Coats, Suits, Topcoats, Reversible Coats, and Overcoats for Men, Young Men, Women, and Boys.
Claims use since 1937.

365,510. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DE WALT PRODUCTS CORPORATION, Lancaster, Pa. Filed Sept. 7, 1938. Serial No. 410,325.

DE WALT

For Woodworking Machines.
Claims use since 1923.

365,511. (CLASS 39. CLOTHING.) WAMSUTTA MILLS, New Bedford, Mass. Filed Sept. 8, 1938. Serial No. 410,378.

CALE

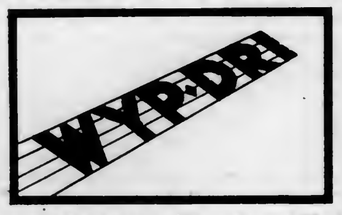
For Outer Shirts, Shorts, Slacks, and Sportswear, Consisting of Dresses, Blouses, and Jackets for Men, Women, and Children.
Claims use since Jan. 4, 1938.

365,512. (CLASS 39. CLOTHING.) DR. A. POSNER SHOES, INC., New York, N. Y. Filed Oct. 17, 1938. Serial No. 411,707.

Naporite

For Shoes Made of Leather, Rubber, Fabric, or Combination Thereof.
Claims use since November, 1937.

365,513. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. STANLEY BROWN, New York, N. Y. Filed Nov. 8, 1938. Serial No. 412,493.



For Textile Fabrics in the Piece Made of Wool, Cotton, Silk, Rayon, and Mixtures Thereof.
Claims use since 1935.

365,514. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BURT TANK, SEPARATOR & OIL TREATING CORP., Wichita Falls, Tex. Filed Nov. 12, 1938. Serial No. 412,670.



For Oil and Water Separators and Oil Treating Tanks.
Claims use since Apr. 15, 1937.

365,515. (CLASS 31. FILTERS AND REFRIGERATORS.) PICK MANUFACTURING COMPANY, West Bend, Wis. Filed Nov. 14, 1938. Serial No. 412,730.

MAGNETIC

For Oil Filters.
Claims use since 1936.

365,516. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WARREN PIPE COMPANY OF MASS. INC., Everett, Mass. Filed Nov. 18, 1938. Serial No. 412,932.

WARRENSPUN

For Cast Iron Pipe.
Claims use since July, 1937.

365,517. (CLASS 39. CLOTHING.) AURORA CORSET COMPANY, Aurora, Ill. Filed Nov. 19, 1938. Serial No. 412,934.

FASHION FORM

For Corsets, Girdles, Brassière-Girdles, Bandeaux, and Brassières.
Claims use since Jan. 1, 1918.

365,518. (CLASS 39. CLOTHING.) BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Nov. 25, 1938. Serial No. 413,106.

KOOL-WEAR

For Men's, Women's, and Children's Polo Shirts, Bloomers, Panties, Stepins in the Nature of Underwear, Chemises, Suits, Dress, Negligee, and Work Shirts, Brassières, Dresses, Shoes Made of Leather, Rubber, Fabric and/or Combinations Thereof, Petticoats, Buntings, Leggings, Raincoats, Shorts for Outer and Under Wear, Bathing Suits, Hats, Scarves, Pajamas, Gloves Made of Rubber, Leather, Fabric, and/or Combinations Thereof, Coats, Topcoats, Halters, Hosiery, Mittens, Tams, Sweat Shirts, Athletic Underwear, Slacks, Slips, Nightgowns, Girdles, and Blouses.
Claims use since January, 1936.

365,519. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) YANKEE METAL PRODUCTS CORP., Norwalk, Conn. Filed Nov. 30, 1938. Serial No. 413,326.

SIDE-VUE

For Vehicle Rearview Mirrors.
Claims use since Feb. 1, 1938.

365,520. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MERLIN A. STICELBER, doing business as The Quick-Seal Company, Kansas City, Mo. Filed Dec. 12, 1938. Serial No. 413,742.

QUIK-SEAL

For Sealing Machines for Wrapped Packages.
Claims use since July, 1934.

TRADE-MARK REGISTRATIONS RENEWED

16,462. AN ELASTIC AND FLEXIBLE COMPOUND AND ARTICLES MADE THEREFROM. Registered April 2, 1889. ANNIE M. WOOD, Westminster, England. Re-renewed April 2, 1939, to The Woodite Company Limited, Warrington, England, a corporation of Great Britain, successor.

16,599. A GRANULAR EFFERVESCENT SALT. Registered May 21, 1889. ISAAC E. EMERSON. Re-renewed May 21, 1939, to The Emerson Drug Company of Baltimore City, Baltimore, Md., a corporation of Maryland, assignee.

118,252. CERTAIN NAMED CLOTHING. Registered August 21, 1917. WORLD'S STAR KNITTING COMPANY, Augusta, Maine, and Bay City, Mich. Renewed August 21, 1937, to American Textiles Inc., Bay City, Mich., a corporation of Michigan, successors.

124,302. TRACTORS. Registered February 4, 1919. FAIRBANKS, MORSE & Co., Chicago, Ill., a corporation of Illinois. Renewed February 4, 1939.

124,330. OINTMENT FOR THE ALLEVIATION OF PAIN IN GENERAL AND RHEUMATIC PAINS. Registered February 4, 1919. MYERS REMEDY COMPANY. Renewed February 4, 1939, to Modern Drugs, Incorporated, Philippi, W. Va., a corporation of West Virginia, by change of name.

124,362. A MEDICINAL TABLET OF AN ANALGESIC AND ANTIPYRETIC NATURE. Registered February 11, 1919. ASPITONE CO., Atlanta, Ga. Renewed February 11, 1939, to Piedmont Laboratories, Clinton, S. C., a firm, successor.

124,447. AUTOMOBILE-TRUCKS FOR USE IN INDUSTRIAL PLANTS, FACTORIES, DEPOTS, ETC. Registered February 18, 1919. THE ELWELL-PARKER ELECTRIC COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed February 18, 1939.

124,455. STYLOGRAPHIC AND FOUNTAIN PENS AND PEN-POINTS NOT OF PRECIOUS METAL OR IMITATION THEREOF. Registered February 18, 1919. HINKS WELLS & Co. Renewed February 18, 1939, to British Pens Limited, Birmingham, England, an organized company of the United Kingdom of Great Britain and Northern Ireland, assignee.

124,509. PIECE GOODS OF WOOL, WORSTED, OR HAIR, EITHER ALONE OR IN COMBINATION ONE WITH ANOTHER. Registered February 25, 1919. CELLULAR CLOTHING COMPANY LIMITED, London, England, a corporation of Great Britain. Renewed February 25, 1939.

124,573. SHADE-CLOTH. Registered February 25, 1919. OSWEGO SHADE CLOTH COMPANY, Oswego, N. Y., a corporation of New York. Renewed February 25, 1939.

124,674. CERTAIN NAMED CLOTHING FOR MEN. Registered March 11, 1919. CELLULAR CLOTHING COMPANY LIMITED, London, England, a corporation of Great Britain. Renewed March 11, 1939.

124,821. DRESS-FASTENERS. Registered March 18, 1939. COLUMBIA FASTENER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed March 18, 1939.

124,867. CRAPE BANDAGES USED FOR MEDICAL AND SURGICAL PURPOSES. Registered March 18, 1919. THE NORWICH CRAPE COMPANY 1856 LIMITED, Norwich, England. Renewed March 18, 1939, to The Norvic Company, Lowell, Mass., a corporation of Massachusetts, assignee by mesne assignments.

124,952. BUTTER. Registered April 1, 1919. BORDEN'S FARM PRODUCTS COMPANY, INC., Wassaic and New York, N. Y. Renewed April 1, 1939, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

125,022. DRIED OR DESICCATED MILK. Registered April 8, 1919. BORDEN'S CONDENSED MILK COMPANY. Renewed April 8, 1939, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

125,057. WHEAT-FLOUR, BARLEY-FLOUR, RYE-FLOUR, CORNMEAL, CORN-FLOUR, AND ROLLED OATS. Registered April 8, 1919. INTERNATIONAL MILLING COMPANY, New Prague, Minn. Renewed April 8, 1939, to International Milling Company, Minneapolis, Minn., a corporation of Delaware, assignee.

125,374. PRINTING-PAPER. Registered May 13, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 13, 1939.

125,375. PRINTING-PAPER. Registered May 13, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 13, 1939.

125,380. COTTON PIECE GOODS. Registered May 20, 1919. AMERICAN BLEACHED GOODS COMPANY. Renewed May 20, 1939, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

125,448. EXTRACT WHITE PINE COMPOUND. Registered May 20, 1919. J. L. HOPKINS & Co., New York, N. Y., a corporation of New York. Renewed May 20, 1939.

125,548. PRINTING-PAPER. Registered May 20, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed May 20, 1939.

125,718. CHOCOLATE COATINGS AS APPLIED TO CONFECTIONERY. Registered June 10, 1919. BORDEN'S CONDENSED MILK COMPANY. Renewed June 10, 1939, to The Borden Company, New York, N. Y., a corporation of New Jersey, by change of name.

125,795. CERTAIN NAMED CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered June 17, 1919. COOPER UNDERWEAR COMPANY. Renewed June 17, 1939, to Cooper's Incorporated, Kenosha, Wis., a corporation of Wisconsin, assignee by mesne assignments.

125,921. PRINTING-PAPER. Registered July 8, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 8, 1939.

125,922. PRINTING-PAPER. Registered July 8, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 8, 1939.

125,948. PUBLICATIONS—I. E., PAMPHLETS ISSUED FROM TIME TO TIME, MAGAZINES ISSUED FROM TIME TO TIME, MONTHLY PERIODICALS. Registered July 22, 1919. ALEXANDER HAMILTON INSTITUTE, New York, N. Y., a corporation of New Jersey. Renewed July 22, 1939.

126,026. MEN'S CRAVATS. Registered July 22, 1919. JAMES R. KEISER, INC. Renewed July 22, 1939, to Keiser Cravats, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

126,041. CERTAIN NAMED PAPER AND STATIONERY. Registered July 22, 1919. MOSER PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 22, 1939.

126,105. PRINTING-PAPER. Registered July 22, 1919. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed July 22, 1939.

126,175. FACE-CREAM. Registered July 29, 1919. MICHAEL H. KIRSCHBAUM, Sioux City, Iowa. Renewed July 29, 1939.

126,195. BOLT AND RIVET CLIPPERS. Registered July 29, 1919. HENRY K. PORTER, Brookline and Everett, Mass. Renewed July 29, 1939, to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts, assignee.

126,202. BOLTS, NUTS, RIVETS, AND METAL WASHERS. Registered July 29, 1919. RUSSELL, BURDSALL & WARD BOLT AND NUT CO., Port Chester, N. Y., a corporation of New York. Renewed July 29, 1939.

126,224. VARNISH-STAINS, COLOR VARNISHES, CLEAR VARNISHES, READY-MIXED PAINT, VARNISH-ENAMELS. Registered July 29, 1919. VALENTINE & COMPANY. Renewed July 29, 1939, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

LABELS

REGISTERED MARCH 7, 1939

52,588.—*Title:* "ATCO" SELECTED FILLETS. For Fillets. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, Boston, Mass. Published November 26, 1937.

52,589.—*Title:* "NORDIC" FILLETS. For Fillets. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, Boston, Mass. Published November 26, 1937.

52,590.—*Title:* "FRIGIDSEA" FISH FILLETS. For Fillets. ATLANTIC COAST FISHERIES CORPORATION OF NEW YORK, Boston, Mass. Published November 26, 1937.

52,591.—*Title:* AVE-CO POWDERS—A RECOMMENDED TEMPORARY QUICK RELIEF FOR SOUR STOMACH AND GASTRIC ACIDITY. For Powders for the Temporary Quick Relief of Sour Stomach and Gastric Acidity. WILLIAM S. AVERETT, North Indianapolis, Ind. Published November 2, 1938.

52,592.—*Title:* HYGEIA GODDESS OF HEALTH. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published February 2, 1939.

52,593.—*Title:* MARLA-TABS. For Rennet Tablets. CAPITOL FOODS, INC., Madison, Wis. Published December 3, 1938.

52,594.—*Title:* CLAPP'S. For Strained Spinach. HAROLD H. CLAPP, INC., Rochester, N. Y. Published February 19, 1934.

52,595.—*Title:* "AQUA CIDE". For a Product That Is Used in the Water for Washing Clothes. ROY A. CLEELAND, Butler, Pa. Published February 8, 1939.

52,596.—*Title:* DRINK COCA-COLA. For a Syrup for a Carbonated Beverage. THE COCA-COLA COMPANY, Wilmington, Del. Published February 1, 1939.

52,597.—*Title:* DAVIESS COUNTY. For Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Published March 1, 1938.

52,598.—*Title:* BELLE OF DAVIESS. For Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Published March 1, 1938.

52,599.—*Title:* KENTUCKY ROMANCE. For Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Published March 1, 1938.

52,600.—*Title:* VITAMINS ALL. For Vitamin Capsules. DAWE'S VITAMINS, INC., Chicago, Ill. Published August 15, 1938.

52,601.—*Title:* OLD FASHIONED ROOT BEER. For Root Beer. DRINK-MOR BEVERAGE CO., Wilkes-Barre, Pa. Published January 11, 1939.

52,602.—*Title:* NEW SPERRY WHEAT HEARTS. For Cereal Breakfast Food. GENERAL MILLS, INC., Minneapolis, Minn. Published January 14, 1939.

52,603.—*Title:* THRILLING TRUE SPY STORIES. For Picture Cards and Gum. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Published January 25, 1939.

52,604.—*Title:* IRISH ALE. For Irish Ale. JOHN A. HACKING, Providence, R. I. Published January 23, 1939.

52,605.—*Title:* HEILEMAN'S STEINIE QUART. For Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published May 13, 1937.

52,606.—*Title:* QUAKERETTE CRACKERS. For Crackers. JUNGE BAKING COMPANY, Joplin, Mo. Published December 28, 1938.

52,607.—*Title:* REGAL HUMAN HAIR NETS. For Hair Nets. H. A. LOEB & Co., Chicago, Ill. Published December 28, 1938.

52,608.—*Title:* MUTUAL GOODWILL, TROUBLE PROOFED USED CARS. For Used Cars. MCKINLEY-GREGG AUTOMOBILE COMPANY, Pittsburgh, Pa. Published January 31, 1939.

52,609.—*Title:* SPRINGFIELD FARMERS' BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published December 15, 1938.

52,610.—*Title:* CROWN CITY ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published December 31, 1938.

52,611.—*Title:* CERTIFIED. For Peas. NATIONAL GROCERY COMPANY, Seattle, Wash. Published October 17, 1938.

52,612.—*Title:* O-CEDAR MIT-MOP. For Mit Mop Used with Handle for Floors, Baseboards, Stairs, Etc., or on the Hand for Dusting Furniture, Automobiles, Etc. O-CEDAR CORP'N, Chicago, Ill. Published January 19, 1939.

52,613.—*Title:* TEXAS SPORTS WEAR. For Sports Wear. PATTERSON MANUFACTURING COMPANY, Denison, Tex. Published December 9, 1938.

52,614.—*Title:* PENICK (ORANGE LABEL). For Waffle Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published February 4, 1939.

52,615.—*Title:* GRANDMA PORTERS SALVE. For a Salve. FLORENCE PORTER, Alexander, Ark. Published December 19, 1938.

52,616.—*Title:* BOPAN. For a Dry Cleaning Fluid. CHARLES H. PRIEST, JR., Pasadena, Calif. Published February 25, 1938.

52,617.—*Title:* RENOFECT. For a Rug Cleaning Compound. CHARLES H. PRIEST, JR., Pasadena, Calif. Published February 25, 1938.

52,618.—*Title:* CHAMOIS. For Chamois Skins. JAMES H. RHODES & COMPANY, Chicago, Ill. Published February 6, 1939.

52,619.—*Title:* CHERBOURG FRENCH CHAMOIS. For French Chamois Skins. JAMES H. RHODES & COMPANY, Chicago, Ill. Published February 6, 1939.

52,620.—*Title:* GOOD MORNING. For Mattresses. SILVER STAR BEDDING CO., Chicago, Ill. Published January 30, 1939.

52,621.—*Title:* SOLO MUSHROOMS. For Mushrooms. SOLO PRODUCTS COMPANY, Chicago, Ill. Published January 20, 1938.

52,622.—*Title:* POLLY STERLING'S. For Silver Polish. POLLY STERLING, INC., Oshkosh, Wis. Published December 10, 1938.

52,623.—*Title:* "BLACK LEAF 40". For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 20, 1938.

52,624.—*Title:* ULTRA GLOSS. For a No Rubbing Liquid Wax. ULTRA CHEMICAL WORKS, INC., Paterson, N. J. Published December 28, 1938.

52,625.—*Title:* SLEEK BUT SOFT! WITH A GAINSBOROUGH HAIR NET. For Hair Nets. WECO PRODUCTS COMPANY, Chicago, Ill. Published December 6, 1938.

PRINTS

REGISTERED MARCH 7, 1939

17,264.—*Title:* HEY KIDS. For Bread and Other Food Products. CHARLES GORDON BATHÉ, Tulsa, Okla. Published January 17, 1939.

17,265.—*Title:* MEN LIKE BISCUITS THIS WAY. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 10, 1939.

17,266.—*Title:* SOUVENIR-NEW YORK WORLD'S FAIR—1939—GENUINE INDIAN ARROWHEAD. For Indian Arrow-Heads. JAMES GILL JOHNSON, Nashville, Tenn. Published January 15, 1939.

17,267.—*Title:* SLICE AFTER SLICE ALIKE AS. For Toasters. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published February 4, 1939.

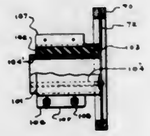
17,268.—*Title:* PARKE-DAVIS VANILLA EXTRACT SPECIAL. For Vanilla Extract. PARKE, DAVIS & COMPANY, Detroit, Mich. Published November 25, 1938.

17,269.—*Title:* STOP CANNIBALISM. For Glass Substitute. HAROLD WARP, doing business as Vi-O-Tex Mfg. Co., Chicago, Ill. Published February 1, 1939

REISSUES

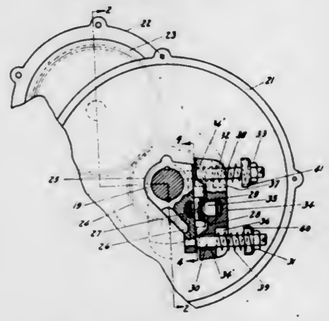
MARCH 7, 1939

21,021
VIBRATION DAMPER
Alexander J. Bocz, Detroit, Mich.
Original No. 1,886,246, dated November 1, 1932, Serial No. 209,460, July 30, 1927. Application for reissue June 14, 1937, Serial No. 148,192
4 Claims. (Cl. 74—574)



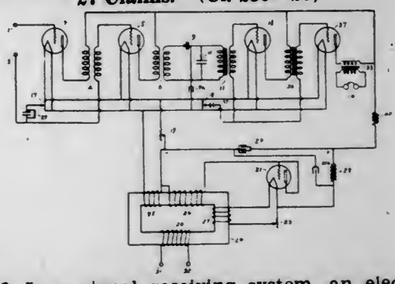
1. A vibration damper for a shaft comprising an inner sleeve member adapted to be secured to said shaft, resilient means surrounding said sleeve, an outer sleeve supported by and limiting the flow of said resilient means, and a flywheel structure attached to said outer sleeve, said structure consisting of a segmental inertia ring and flexible radial sections supporting the segments of said ring for axial movement relative to each other and to said outer sleeve.

21,022
VIBRATION DAMPER
Alexander J. Bocz, Detroit, Mich.
Original No. 1,756,898, dated April 29, 1930, Serial No. 129,379, August 16, 1926. Application for reissue September 16, 1937, Serial No. 164,245
3 Claims. (Cl. 74—604)



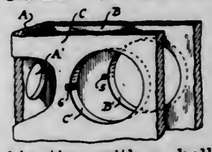
1. A vibration damper for a shaft consisting of a supporting member adapted to be secured to said shaft, radial spaced rod elements thereon, a spherical concave seat mounted on said supporting member intermediate said rod elements and eccentric to its axis of rotation, a displaceable inertia member having apertures of much larger diameter than that of the rod elements passing therethrough, a spherical convex projection secured to said inertia member and abutting said concave seat, retaining means on said rod elements and natural-vibrations-controlled resilient means between said inertia member and retaining means for connecting the spherical convex projection to said concave seat.

21,023
RADIO RECEIVING APPARATUS
Percival D. Lowell, Chevy Chase, Md., and Francis W. Dunmore, Washington, D. C.
Original No. 1,455,141, dated May 15, 1923, Serial No. 547,111, March 27, 1922. Application for reissue August 16, 1938, Serial No. 225,246
27 Claims. (Cl. 250—20)



26. In a signal receiving system, an electron tube having a cathode, a control grid, and a plate electrode, a cathode heating circuit, a control grid circuit, and a plate circuit, a power source of alternating current, means for rectifying said current and energizing said plate electrode therefrom, means for supplying alternating current to said cathode heating circuit, means connected with said plate circuit and operating to derive power from said source of alternating current, a resistor connected with said last mentioned means and connected in circuit with said control grid circuit for impressing a bias potential upon said control grid, a detector, means coupling said plate circuit with said detector for transferring signaling energy from said plate circuit to said detector while substantially preventing the passage of power supply frequencies independently of signal modulation, and an observing device connected with said detector and operating substantially without interference from the hum of the alternating current from said power source.

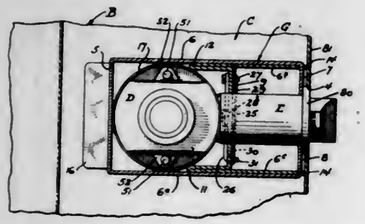
21,024
LOCK MOUNTING FOR HOLLOW METAL DOORS
Walter R. Schlage, Palo Alto, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Original No. 2,091,248, dated August 24, 1937, Serial No. 41,064, September 18, 1935. Application for reissue January 17, 1938, Serial No. 185,476
12 Claims. (Cl. 292—337)



1. The combination with a hollow stile of a metal door, said stile having openings formed in the edge and in the face for the reception of a latch unit and a latch actuating unit, of a combination reinforcing and supporting member insertable through the openings in the face of the

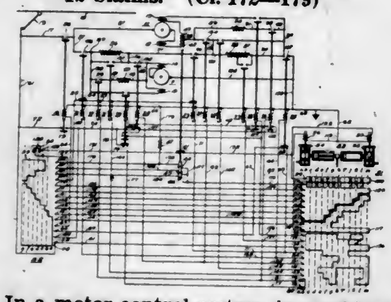
stile, and means for supporting said member between the inner faces of the stile when inserted, said reinforcing and supporting member being removable.

21,025
METAL DOOR REINFORCEMENT AND LOCK MOUNTING
Walter R. Schlage, Palo Alto, Calif., assignor to Schlage Lock Co., San Francisco, Calif., a corporation of California
Original No. 2,004,510, dated June 11, 1935, Serial No. 617,118, June 14, 1932. Application for reissue January 20, 1939, Serial No. 252,050
20 Claims. (Cl. 292—337)



1. In a door structure of the character described a latch bolt unit insertable through an opening in the edge of the door, and interlocking means formed between the latch bolt unit and the door structure, said means adapted to interlock by rotation of the latch bolt unit.

21,026
CONTROL SYSTEM
Norman H. Willby, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original No. 2,000,728, dated May 7, 1935, Serial No. 676,846, June 21, 1933. Application for reissue July 31, 1936, Serial No. 93,624
12 Claims. (Cl. 172—179)



12. In a motor control system, in combination, a motor having a series field winding, a source of power for the motor, means for connecting the motor to the power source to accelerate the motor, means for controlling the energization of the field winding of the motor, and means for reducing the field strength of the motor during the initial and final acceleration of said motor, said field strength being at a maximum during the intermediate acceleration of said motor.

PLANT PATENTS

GRANTED MARCH 7, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

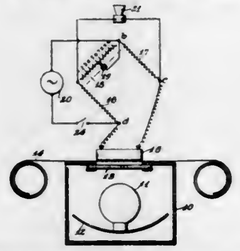
317
ROSE
Walter Irwin Johnston, Portadown, Ireland, assignor to Jackson & Perkins Company, Newark, N. Y.
Application August 16, 1938, Serial No. 225,241
1 Claim. (Cl. 47—61)

A new distinct variety of hybrid tea rose, characterized by vigor of growth, its healthy foliage, its upright growth, all adapting it for bedding and massing, the freedom and persistency in its blooming, and its striking orange-yellow color, substantially as shown and described.

PATENTS

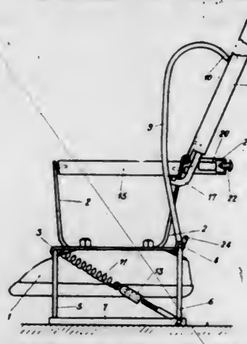
GRANTED MARCH 7, 1939

2,149,250
PHOTOMETER
Joseph M. Bing, New York, N. Y.
Application February 26, 1938, Serial No. 192,694
9 Claims. (Cl. 88—23)



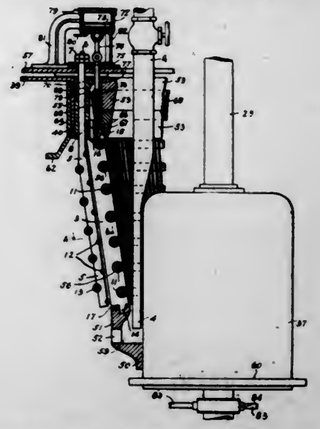
1. A photometer arrangement comprising a photoelectric device capable of varying its electrical resistance in accordance with the intensity of light striking the same, a Wheatstone bridge circuit comprising said photoelectric device, a variable balancing resistance and a pair of further fixed resistances, a source of alternating current having a frequency in audible range connected to a pair of diagonal terminals of said bridge, an electric sound reproducing device connected to the remaining terminals of said bridge, and scale means operatively associated with said balancing resistance and calibrated in intensity values of the light measured in the balancing conditions of said bridge.

2,149,251
ELECTRIC FLATIRON WITH SELF-ACTING SAFETY DEVICE
Georges Campana, Paris, France
Application August 22, 1936, Serial No. 97,374
1 Claim. (Cl. 219—25)



In an electric ironing device having a flat iron, a foldable frame connected with said flat iron and supporting said flat iron above ground in its unfolded position means connected with said frame and said flat iron and movable from an inoperative position to an operative position to move said frame from its unfolded position to its folded position, a spring connected with said frame and tending to unfold the same, and a pair of terminals carried by said flat iron and adapted to be connected to a source of electrical energy; a manually operable push button movable from an inoperative position to an operative position when said means are in their inoperative position to engage said terminals and thereby close their electrical circuit, and a contact piece movable along with said swingable means and engaging said terminals to close said circuit when said means are moved to their operative position, said contact piece being adapted to displace said push button if the latter is in its operative position in the course of the movement of sad means from their inoperative position to their operative position.

2,149,252
PROCESS AND APPARATUS FOR DEWATERING MATERIALS
Henry B. Cleveland, New York, N. Y.
Application April 22, 1933, Serial No. 667,347
17 Claims. (Cl. 210—64)

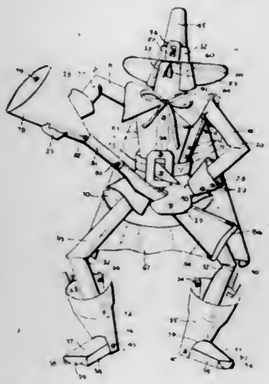


6. A centrifugal dewatering machine, comprising a casing having separate chambers therein, one to receive discharged liquid and the other to receive separated solids, a rotatable filter basket having a cylindrical series of radially arranged blades, a movable basket surrounding said cylindrical formation to flex and unflex the blades thereof, means for supplying material to be dewatered, means for giving centrifugal impetus to said supplied material, to separate the solids thereof, a movable cylinder to receive the separated solids, means for moving the cylinder to discharge said solids radially outward and means for rotating the said basket to discharge the liquid radially inward.

2,149,253
METHOD OF TREATING METAL SURFACES TO INHIBIT CORROSION
Harry A. Cooper, Maplewood, N. J.
No Drawing. Application May 19, 1937, Serial No. 143,531
1 Claim. (Cl. 29—90)

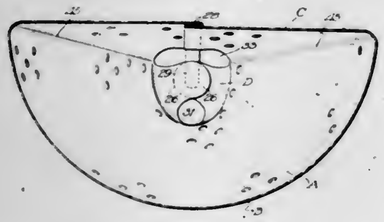
The method of cleaning and polishing stainless steel objects which consists in forcibly contacting the surface of the object with stainless steel pellets.

2,149,254
CONSTRUCTIONAL FIGURE
Wilbert R. Corswirt, New York, N. Y.
Application December 12, 1934, Serial No. 757,145
Renewed August 3, 1938
12 Claims. (Cl. 46—157)



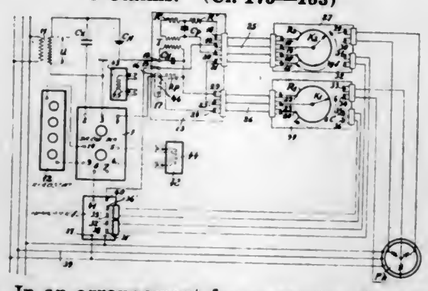
1. A constructional figure comprising sheet metal parts to be connected together, the sheet metal parts being formed into desired patterns and bent into desired shapes, the metal sheet being relatively non-resilient so that the sheet metal parts remain in bent position, circular parts to form arms and legs at least one of which is bent at a point intermediate its ends, holes through the overlapping portions of parts to be connected together, and securing means inserted through the holes to secure connected parts together to form a figure.

2,149,255
MOP WRINGER
William Fader, Newark, N. J.
Application December 29, 1937, Serial No. 182,185
1 Claim. (Cl. 15—260)



A mop wringer comprising a mop head receptacle formed from a single blank of material and comprising a curved side wall, a flat side wall and an open bottom wall, said bottom wall consisting of relatively narrow overlapping extensions projecting from the lower edge of the curved wall, and a relatively narrow tongue extending from the lower edge of the flat side wall and underlying the overlapping extensions which project from the lower edge of the curved wall said overlapping extensions and said tongue being spaced relatively to one another to provide the openings in said open bottom.

2,149,256
ARRANGEMENT FOR MEASURING THE LOSSES IN CONDENSERLIKE OBJECTS
Wilhelm Geyger, Berlin-Schmargendorf, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 9, 1937, Serial No. 158,157
In Germany August 24, 1936
8 Claims. (Cl. 175—183)



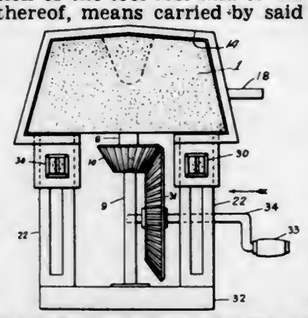
1. In an arrangement for measuring the losses in condenser-like objects, an alternating-current source, a bridge connection connected to said source including in one bridge branch the condenser to be measured and in an adjacent bridge branch a standard condenser and an auxiliary condenser connected in series with said standard condenser and a transformer whose primary winding is connected to said auxiliary condenser and a balancing resistor connected to the secondary winding of said transformer, a second balancing resistor inserted in the bridge branch including the condenser to be measured and a measuring device for balancing the bridge connection inserted between the tap off contacts of said two balancing resistors.

2,149,257
METHOD FOR PRODUCTION OF BERYLLIUM COPPER ALLOYS
Herbert Gruber, Hanau-on-the-Main, Germany, assignor to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany
No Drawing. Application June 23, 1937, Serial No. 149,837. In Germany June 24, 1936
4 Claims. (Cl. 75—135)

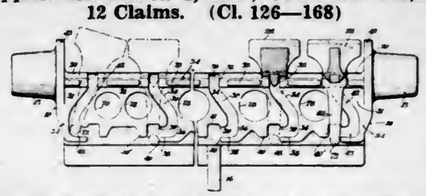
1. The process of producing beryllium copper alloys which comprises supplying a mixture of finely divided beryllium oxide, copper and carbon, to a reaction temperature of from about 1900° C. to 2300° C.

2,149,258
MACHINE FOR GRINDING AND SHAPING
George Heitler, New York, N. Y.
Application March 29, 1937, Serial No. 133,659
2 Claims. (Cl. 51—102)

1. In a machine of the type described in combination, a base, a shaft extending vertically from said base, a frusto-conical grinding element carried by said shaft upon the upper end thereof, means for rotating said shaft, a pair of standards extending vertically from the base in spaced relation to each other, a tool rest embracing the grinding element and conforming to the cross-sectional shape thereof, said tool rest comprising a main body portion extending across the top face of the grinding element, a leg depending angularly from each end of the main body portion in spaced parallel relation with the sides of the grinding element, a plurality of stepped tool supporting surfaces upon the outer face of the main body portion of the tool rest and of the depending legs thereof, means carried by said depending legs for sliding engagement with said aforementioned standards and means for adjustably securing said tool rest to said standards.



2,149,259
GRATE CONSTRUCTION
Harold T. Henry, New York, N. Y.
Application March 1, 1937, Serial No. 128,324
12 Claims. (Cl. 126—168)



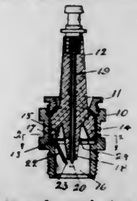
1. An apparatus of the character described, including, in combination, a carrier bar, a plurality of grate units mounted on said carrier bar, each grate unit having arms straddling said carrier bar, and means for permitting independent removal of each of said grate units, said means including guideways on said carrier bar and lugs on said arms co-operating with said guideways, said guideways having curved portions whereby any one of said grate units may be removed by moving said grate unit vertically and then tilting it laterally.

2,149,260
METHOD OF PREPARATION OF DINITROETHYLENEUREA
Henry A. Aaronson, Dover, N. J.
No Drawing. Application August 22, 1938, Serial No. 226,204
6 Claims. (Cl. 260—309)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

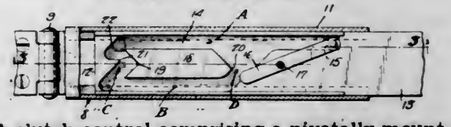
6. A method of preparation of dinitroethyleneurea which includes the steps of adding one part of ethyleneurea to ten parts of mixed acid consisting of sulphuric acid 68.5%, nitric acid 22%, and water 9.5%, and maintaining the temperature of the reaction mixture below 10° C. during addition of the ethyleneurea.

2,149,261
SPARK PLUG WITH ENLARGED COOLING CHAMBER
August Eugene Anderson, Montclair, N. J.
Application September 27, 1937, Serial No. 165,975
4 Claims. (Cl. 123—169)

1. In a spark plug, a metal housing having a bore therethrough with a flat shoulder forming a seat, a porcelain having a flat ended body portion adapted to be seated on said shoulder, an annular cavity formed in said body and opening downwardly into a main cooling chamber provided below said seat in the metal housing, a central cone on said porcelain body projecting about midway into said main cooling chamber, a main electrode carried by the porcelain and projecting slightly beyond the apex of the cone and constituting the main spark point, a flat metal gasket in said seat having a downwardly extending finger constituting a second spark point terminating about level with said main spark point, and a thin mica washer inserted between said flat body and said gasket and providing a narrow passage around said cone between said cavity and main chamber.



2,149,262
CLUTCH CONTROL
Anthony Ahler, Lyons, Wis.
Application February 23, 1938, Serial No. 192,141
1 Claim. (Cl. 74—541)

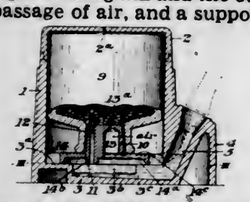


A clutch control comprising a pivotally mounted hand lever connected with an operating shaft of a clutch, a spring connected to said lever for normally urging the latter into a position for the engagement of the clutch requiring manual operation of the lever into a second position for the declutching of the clutch, a casing mounted for hinging movement, a plate slidable in said casing and pivotally connected on said lever and having a groove including a pair of longitudinally arranged runs and a pair of connecting runs establishing communication between said longitudinally extending runs, a stop on said plate located between the longitudinally extending runs and the connecting runs and having a V-shaped notch, an arm pivoted on said casing, and a roller carried by said arm for operating in the runs of the grooves and adapted to enter the V-shaped notch on the lever assuming its second named position to retain the clutch disengaged.

2,149,263
INK WELL
Leon Hehl Ashmore, Collingswood, and George Trotman, Haddonfield, N. J., assignors to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J., a corporation of New Jersey
Application September 30, 1937, Serial No. 166,634
16 Claims. (Cl. 120—59)

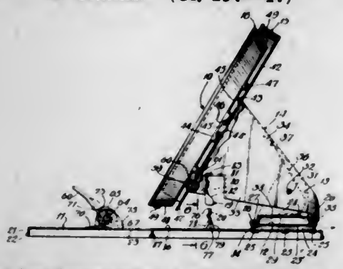
1. In an inkwell, the combination of a main receptacle having a recessed bottom, an external projection formed on the main receptacle and diagonally bored to form a pen-receiving dipping well in communication with said recessed bottom, an ink reservoir in inverted position within the main receptacle, a feeding stopper carried by the ink receptacle and having a plurality of passages located wholly within the same; one

of said passages feeding ink and the other providing for the passage of air, and a supporting flange



for said stopper arranged to seat over the recessed bottom of the main receptacle.

2,149,264
TOY TYPEWRITER
Sidney R. Bell, Stamford, Conn.
Application October 24, 1935, Serial No. 46,592
11 Claims. (Cl. 197—47)



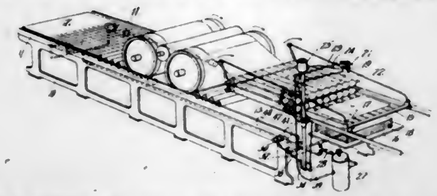
2. In a toy typewriter, a displaceable arm having an indicia and type carrying rotatable dial, means for laterally guiding said arm, spring means for normally holding said arm elevated, means to limit upward pivotal displacement of said arm, and means to prevent lateral displacement of said arm during rotation of said dial.

2,149,265
PURIFIED ALCOHOL SULPHATES AND PROCESS OF MAKING THE SAME
Hans Beller and John J. Owen, Baton Rouge, La.
No Drawing. Application September 23, 1936, Serial No. 102,172
5 Claims. (Cl. 260—99.12)

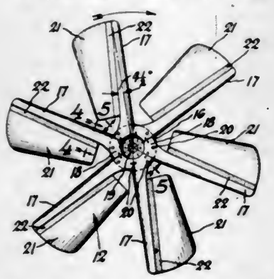
1. The process for the production and purification of high molecular sulphonation products which comprises subjecting mixtures of high molecular non-aromatic compounds containing aliphatic compounds selected from the class consisting of alcohols containing from 10 to 25 carbon atoms, olefines and mixtures of alcohols and olefines of similar molecular weight range, to the action of a sulphonation agent, neutralizing the products resulting from such sulphonation by means of an alkaline reacting substance, adding a water-soluble inorganic salt to the neutralized solution, and extracting the latter with an ether containing less than 6 carbon atoms in its molecule, thereby freeing the neutralized sulphonated products from non-sulphonated and non-sulphatable matter.

2,149,266
SPRAYING DEVICE
Theodore J. Beregh, Patchogue, N. Y., assignor to Beregh Manufacturing Co. Inc., New York, N. Y., a corporation of New York
Application September 29, 1936, Serial No. 103,078
3 Claims. (Cl. 101—416)

1. A spraying device comprising a standard, an atomizer supported from said standard, a valve and trigger for said atomizer, said valve having means tending to normally close the valve and said trigger when operated functioning to open said valve, a lever on said standard, means connecting said trigger and lever, said means providing a spring for exerting tripping tension on the trigger, and means for swinging said lever to relieve said tension and enable the valve to operate under influence of said means tending to close the valve and in a direction adverse to the direction of operation exerted by said spring tension.

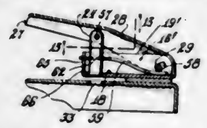


2,149,267
FAN
Christiaan H. Bouvy and Charles F. Arnold, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 2, 1936, Serial No. 72,240
15 Claims. (Cl. 170—161)



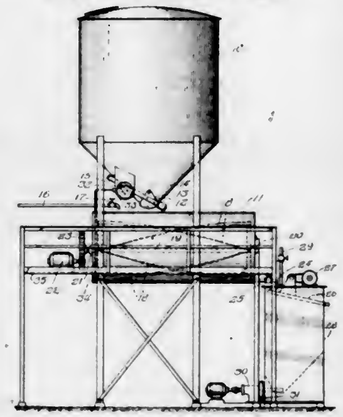
1. In a screw propeller, a hub, a channel-shaped arm secured to the hub, a blade of which one edge extends into the open side of the arm, and a strip of rubber-like material interposed between the walls of the arm and the mentioned edge of the blade.

2,149,268
PERFORATING DEVICE
Daniel A. Brennan, Chicago, Ill.
Application May 29, 1937, Serial No. 145,417
15 Claims. (Cl. 164—91)



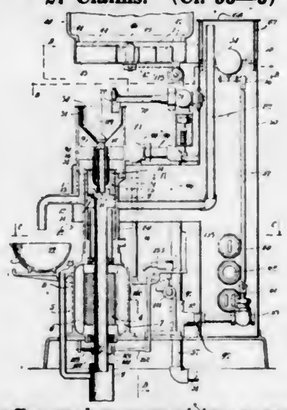
1. A perforating device including, a base, standards secured to said base, each having a guide opening, a plurality of punches one slidable in each guide opening, a transverse groove in each punch, a leaf spring in each standard slotted to engage the respective punch at the groove, said spring being guided in said standards to retain the punches vertical, an operating handle loosely journaled on said standards, and pins one connecting each punch to said handle.

2,149,269
LIME SLAKING PROCESS
Hayden Brooks and Robert A. Davis, Birmingham, Ala., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 9, 1936, Serial No. 104,903
8 Claims. (Cl. 23—188)



1. The method of slaking quick-lime comprising feeding water and quick-lime to a slaking tank in such proportions that the temperature of the mixture rises slowly at a substantially constant rate to a temperature between 160° and 200° F., and then continuing the feeding in such proportions as to maintain the temperature of the mixture substantially constant at a temperature between 160° and 200° F. until slaking is completed, sufficient water being present at all times to maintain the mixture in liquid state.

2,149,270
COFFEE MAKER
Louis Burgess, New York, N. Y.
Application April 19, 1933, Serial No. 666,806
In Canada February 16, 1933
27 Claims. (Cl. 53—3)

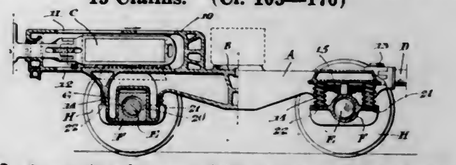


1. A coffee maker comprising a centrifuge, including a centrifuge basket of the imperforate overflow type, means for rotating said basket, a collector ring encircling one end of said basket, means defining an outlet from said collector ring adapted to discharge during the operation of said centrifuge into a vessel positioned adjacent said centrifuge, a mixer adapted to mix hot water with ground roasted coffee, and means defining an outlet from said mixer into said centrifuge.

2,149,271
LUBRICANT
John G. Butz, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 20, 1936, Serial No. 86,345
10 Claims. (Cl. 87—9)

1. A lubricant comprising a viscous hydrocarbon oil and a small amount, sufficient to impart extreme pressure properties to the oil, of a phosphine containing an organic substituent.

2,149,272
CAR TRUCK
Joseph Ashmore Cameron, Montreal, Quebec, Canada, assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application January 17, 1935, Serial No. 2,272
15 Claims. (Cl. 105—176)



2. A car truck comprising a central longitudinally extending bolster spaced laterally from the truck wheels, pedestal ways mounted on said bolster, and housings for the car axles detachably mounted on the pedestal ways and extending approximately the full distance between wheels on said axles, and supporting spring means interposed between said bolster and housings.

2,149,273
POLYAMIDES
Wallace H. Carothers, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 13, 1937, Serial No. 120,460
7 Claims. (Cl. 260—2)

1. A resinous film-forming polymer which comprises the reaction product of reactants consisting essentially of polyamine and polybasic acid, the polyamine having at least two amino nitrogen atoms which are attached to aliphatic carbon atoms and which carry at least one hydrogen atom each, the polybasic acid being an aliphatic non-imide-forming polybasic carboxylic acid, of which two carboxyl groups are joined by a chain of at least three atoms, the reactive amino groups and acid groups in said reactants being present in substantially equimolecular proportions and the sum of the amide-forming groups in said reactants being at least five, said resinous polymer being identified by at least one of the characteristics consisting of insolubility with infusibility, and capability of being converted upon heat treatment into the insoluble, infusible state.

2,149,274
METHOD OF MAKING RUGS, AND FRAME THEREFOR
Thomas H. Clack, New York, N. Y.
Application April 21, 1938, Serial No. 203,411
7 Claims. (Cl. 28—15)

6. The method of making a rug comprising forming a braid having distinctive markings thereon as indicated by a chart, fitting together

two frame sections having braid holding teeth to form a frame having braid supporting teeth on opposite ends thereof, said sections being adjusted to make a frame of a desired size in pro-

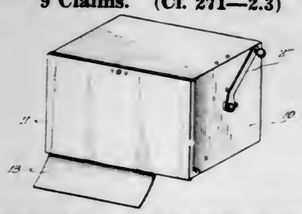


portion to the indications on said chart, and fastening said braid to said teeth in rows so that the distinctive markings on said braid conform to the indications on said chart.

2,149,275
RESIN MANUFACTURE
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 23, 1937, Serial No. 165,313
5 Claims. (Cl. 196—75)

5. As a new article of manufacture, a bright, glossy, dark brown resin obtained as a residue in distilling mixtures of acid sludge and pure still residues resultant, respectively, from acid washing and fractionation of light oils produced in by-product coking of coal, the resin having a melting point of at least about 105° C., containing the inorganic ash content of said still residues, and having a brilliant fracture.

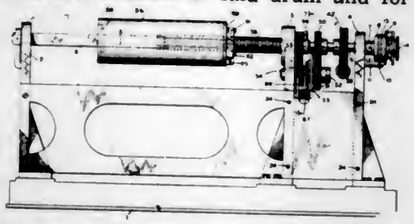
2,149,276
PAPER DISPENSER
Bearl E. Colburn, Green Bay, Wis., assignor to Paper Dispensers, Inc., Chicago, Ill., a corporation of Illinois
Application May 28, 1936, Serial No. 82,245
9 Claims. (Cl. 271—2.3)



1. A construction of the class described comprising feed rollers arranged to feed a strip of material to be dispensed; means for actuating said feed rollers to deliver a predetermined length of such material; means for automatically resetting said actuating means; a cooperating piston and cylinder operatively and adjustably connected with said resetting means to retard the action thereof, by creating a partial vacuum in said cylinder; and means for completely and suddenly destroying said vacuum adjacent the end of the resetting action.

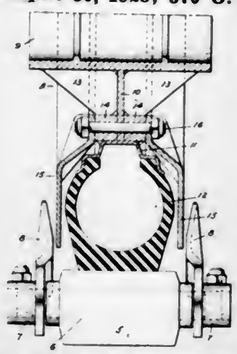
2,149,277
PORTABLE PICTURE TRANSMISSION APPARATUS
Harold Carlson, Rutherford, N. J., assignor to The Associated Press, New York, N. Y., a corporation of New York
Application June 4, 1936, Serial No. 83,441
22 Claims. (Cl. 178—13)

1. In a device of the character described, a picture drum, means for supporting said drum, threaded nut means secured to said drum, differential driving means effective solely through the instrumentality of said supporting means for causing the rotation of said drum and for im-



parting an axial feed thereto of a pitch differing from that of the threaded nut.

2,149,278
WHEEL FOR TRACK LAYING VEHICLES
John K. Christmas, United States Army, Easton, Pa.
Application January 26, 1938, Serial No. 187,034
2 Claims. (Cl. 305—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with an endless track having spaced guide lugs, a wheel having a pneumatic tire adapted to run on the track between the lugs, annular plates attached to opposite sides of the wheel and extending over the side walls of the tire, said plates disposed between the tire and the lugs of the track.

2,149,279
DERIVATIVES OF PYRAZINE CARBOXYLIC ACID AND PROCESSES FOR THEIR PRODUCTION
Otto Dalmer, Darmstadt, and Eugen Walter, Munich, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 5, 1935, Serial No. 29,914. In Germany July 7, 1934
4 Claims. (Cl. 260—250)

1. Pyrazine mono-carboxylic acid derivatives of the general formula Py—NH—NH—R wherein Py represents the pyrazine mono-carboxylic radical and R is selected from the group consisting of hydrogen, methyl, and phenyl radicals.

2,149,280
PREPARATION OF AROMATIC DINITRILES
Arden Garrell Deem, Wilmington, and Wilbur Arthur Lazier, Elsmere, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 29, 1937, Serial No. 145,508
8 Claims. (Cl. 260—465)

1. A process for the manufacture of aryl dinitriles which comprises heating a gaseous mixture comprising a molecular excess of ammonia and a member of the group consisting of ortho-phthalic acid, ortho-phthalic anhydride, phthalamic acid, phthalimide, and phthalamide at a temperature between 300 and 550° C. for a period of time between about 2 seconds and about 12 seconds in the presence of a catalyst selected from the group consisting of basic aluminum phosphate, basic aluminum sulfate, and mixtures of the two.

2,149,281
METHOD OF CONVERTING NONAQUEOUS PULPS
Emile C. De Stubner, Charleston, W. Va.
No Drawing. Application December 28, 1935, Serial No. 56,585
2 Claims. (Cl. 252—6)

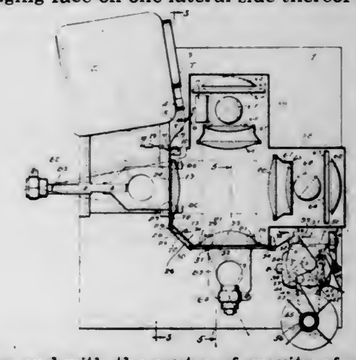
1. A method of dispersing finely divided solids in a selected organic dispersion vehicle in a substantially water free condition which consists in forming a preliminary non-aqueous pulp of finely divided solids in a substantially water free organic liquid pulping medium for said solids, said pulping medium being selected particularly for its compatibility with the selected dispersion vehicle and chosen from the group of such pulping mediums which have a greater wetting action on the solids than does said selected dispersion vehicle, and which are directly miscible with the said selected dispersion vehicle and which are relatively more volatile and have a relatively lower surface tension than said dispersion vehicle, then adding said preliminary suspension directly to the selected dispersion vehicle and thereafter simultaneously distilling off the pulping medium and kneading the mass whereby the dispersion vehicle replaces the pulping medium and the finely divided solids are uniformly distributed throughout said vehicle.

2,149,282
MANUFACTURE OF PAINT
Emile C. De Stubner, Charleston, W. Va.
No Drawing. Original application December 28, 1935, Serial No. 56,585. Divided and this application May 7, 1937, Serial No. 141,241
5 Claims. (Cl. 134—39)

1. The process of manufacturing paint which includes the steps of providing a suitable quantity of a substantially water-free finely divided pigment pulped in a substantially water-free volatile thinner for the paint vehicle and which has a greater wetting action on the pigment than does the said vehicle, admixing a suitable portion of a selected non-volatile paint vehicle therewith, placing the admixed pigment, thinner and vehicle in a still, subjecting said admixture in the still to simultaneous heating and kneading to distill off a predetermined amount of said thinner while retaining the pigment particles in finely divided condition and substantially uniformly dispersed in the mass, whereby the excess thinner is removed and the admixture is concentrated with the pigment particles dispersed in said vehicle and any remaining thinner.

2,149,283
PROJECTING MACHINE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application September 20, 1932, Serial No. 633,938
Renewed June 9, 1938
9 Claims. (Cl. 88—24)

1. A projecting machine having a housing with a vertically extending light aperture, means for guiding a tape in a horizontal direction while in a vertical position across said light aperture, and a vibration dissipating device disposed at the entrance end of said light aperture and consisting of a vertically extending plate pivotally connected at its upper end to said housing and having a tape engaging face on one lateral side thereof below its



upper end with the center of gravity of said plate disposed normally to urge said tape engaging face toward the tape, and a counterweight operatively associated with said plate for varying the pressure exercised by said tape engaging face on the tape, said plate and counterweight depending solely upon their weight for engagement with the tape.

2,149,284
COMPOSITION AND PROCESS FOR PRESERVING WOOD
Aaron Gordon, Berkeley, Calif.
No Drawing. Application November 16, 1935, Serial No. 50,182
7 Claims. (Cl. 21—26)

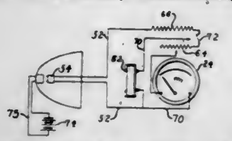
2. An aqueous ammonical solution for impregnating wood to preserve the same comprising the reaction product of copper ammonium hydroxide and an excess of ammonia, and arsenious oxide adapted to dissolve in said excess of ammonia said arsenious oxide being present in an amount sufficient to react with only a portion of the copper ammonium ion present and leave in solution a copper ammonium complex hydroxide in a quantity sufficient to aid in the penetration of the solution into the wood and to prevent the hydrolysis of any precipitated arsenic compounds formed after injection of the solution into the wood.

4. The method of preserving wood comprising impregnating it with the reaction product of copper ammonium hydroxide and an excess of ammonia and arsenious oxide adapted to dissolve in said excess of ammonia, said arsenious oxide being present in an amount sufficient to react with only a portion of the copper ammonium ion present and leave in solution a copper ammonium complex hydroxide in a quantity sufficient to aid in the penetration of the solution into the wood and to prevent the hydrolysis of any precipitated arsenic compounds formed after injection of the solution into the wood.

2,149,285
HEADLIGHT INTENSITY TESTER
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application July 31, 1936, Serial No. 93,606
5 Claims. (Cl. 88—23)

1. A device for testing the headlights of a motor vehicle comprising, in combination, an electric

meter having a single movable pointer and two scales one for indicating the percentage efficiency of a headlight beam and the second for indicating the usual voltages of a headlight circuit, a compound circuit for said meter including a branch circuit having a light sensitive electric element adapted to generate an electric current in proportion to the light received thereon and a second branch circuit including a high resistance and means for detachably connecting this branch

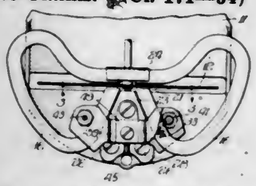


circuit into the headlight circuit of an automobile, and means for selectively alternately electrically connecting the meter to either the branch circuit of said element or the branch circuit including said headlight circuit attaching means, the pointer adapted in the first mode of connection to indicate the light intensity of a headlight on the light intensity scale and in the second mode of connection to indicate the voltage of the headlight circuit on the voltage scale.

2,149,286
POLYAMIDES
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 13, 1937, Serial No. 120,459
14 Claims. (Cl. 260—2)

1. A process for making oil-modified resinous compositions which comprises heating with a drying oil acid a substance of the class consisting of polyamides and a reaction mixture producing said polyamides, said polyamides consisting essentially of the reaction product of a polyamine having at least two amino nitrogen atoms which are attached to aliphatic carbon atoms and which carry at least one hydrogen atom, and an aliphatic non-imide-forming polybasic carboxylic acid.

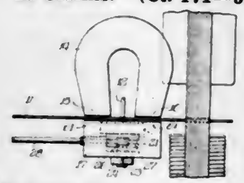
2,149,287
ELECTRIC METER
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Mfg. Co., La Fayette, Ind., a corporation of Illinois
Application August 24, 1935, Serial No. 37,669
20 Claims. (Cl. 171—34)



3. A watt-hour meter including damping magnet means having a pair of closely spaced opposed poles, a bracket having a slide surface and end projections extending therebeyond secured to said magnet means, a magnetic shunt slidable on the slide surface of said bracket between said poles and an adjusting screw screwed through said shunt to shift the shunt by a screwing engagement therewith and journalled at both ends to said bracket.

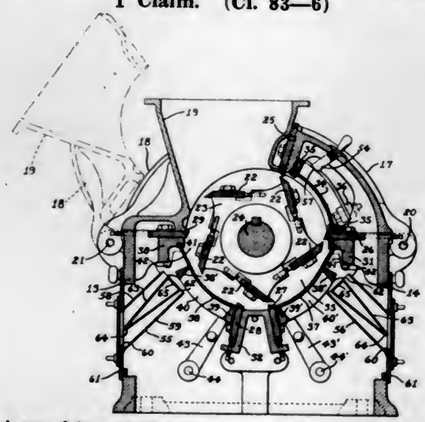
18. A watt-hour meter including damping magnet means having a pair of legs terminating in closely spaced opposed poles, a bracket secured to said magnet means, a magnetic shunt shiftable between said legs and having a flat side surface at times closely adjacent a parallel flat surface on each of said pair, and means for moving the shunt to adjust the damping magnet means.

2,149,288
ADJUSTABLE DAMPING ARMATURE FOR WATT-HOUR METERS
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application March 8, 1937, Serial No. 129,585
10 Claims. (Cl. 171—34)



2. A watt-hour meter including a rotatably mounted disc, a magnet having two poles adjacent one face of said disc, an armature opposite said poles and adjacent the other face of said disc, said armature comprising two relatively movable magnetic parts for controlling the damping of said disc, and screw means for moving one of said relatively movable parts.

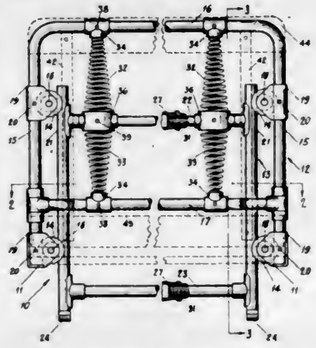
2,149,289
MATERIAL HANDLING APPARATUS
William F. Hall, Muncy, Pa., assignor to Sprout, Waldron & Company, Muncy, Pa., a corporation of Pennsylvania
Application January 29, 1936, Serial No. 61,333
1 Claim. (Cl. 83—6)



A machine of the character described for cutting material to a fine powder comprising a housing having a collecting chamber for screened material, cutters rotatably supported in said housing, fixed edged cutters supported on said housing with the edges thereof located substantially at the circle described by the blade edges of the rotatable cutters, a fine mesh wire screen of from 30 to 60 mesh per inch substantially surrounding the lower half of said rotatable cutters to define, with said fixed cutters, a cylindrical curved cutting chamber spaced from the walls of said housing to predetermine the size of cut material which shall pass from said chamber and

separating the cutting chamber from said collecting chamber, an arcuate reinforcing rigid grid in supporting engagement with the radially external surface of said screen, said grid having parallel opposed edges lying in spaced vertical planes which extend substantially normal to the horizontal plane through the axis of said cutting chamber, and means providing downward air currents along the outer parts of said screen and grid in directions parallel to said edges of the grid.

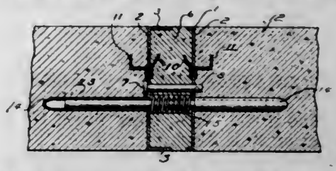
2,149,290
VEHICLE SEAT
Leonard B. Harris, Bayside, Long Island City, N. Y.
Application January 2, 1936, Serial No. 57,224
5 Claims. (Cl. 155—53)



2. A multiple-passenger bench seat comprising a movable seat bottom and back rest frame and a stationary frame, said seat and back rest frame being housed and resiliently supported for upright oscillations in relation to the stationary frame, said stationary frame being designed to be fastened to a floor and comprising two spaced uprights having a circular cross-section fastened together by a cross member, the back rest frame of said movable frame comprising two spaced uprights having a circular cross-section and a plurality of sheave rollers fixedly mounted on each of said uprights, all rollers on said movable uprights being mounted to operate in a single plane passing through the center lines of the tubular uprights of both frames and being grooved for engagement with said stationary frame at the outside surface of the oppositely disposed uprights, the axes of all the rollers being transverse to the plane of the frames, said back rest frame being guided in its vertical movement by said stationary frame, said resilient support comprising a plurality of longitudinally spaced abutting upper and lower oppositely compressed conical coil springs positioned above the seat lever, said springs tending to support said seat in a level plane and mutually damping the said oscillations, one end of each of said springs being fastened to said stationary frame and the other ends of said springs being fastened to said movable frame.

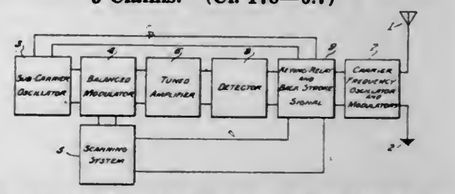
2,149,291
HIGH PRESSURE CASED CONTRACTION AND EXPANSION JOINT
Harry E. Hofwolt, Luverne, Minn.
Application August 23, 1937, Serial No. 160,512
3 Claims. (Cl. 94—18)

1. An expansion joint for concrete construction and comprising separable members cooperating to provide a casing including side walls, flanges formed on the upper, lower and end edges of the side walls and being recessed to provide tongues, said members being arranged with respect to each other for disposing the tongues of one member in registration with the recesses of the other member, a mass of elastic material within said casing, means for initially holding said casing members together with the material highly compressed and being releasable to allow



independent movement of the casing members for free expansion and contraction of the mass of material, rods loosely mounted through the walls and extending upon opposite sides thereof, sleeves having closed outer ends and loosely surrounding the extending portions of the rods, and moisture troughs secured to the inner and outer sides of the walls and extending longitudinally thereof.

2,149,292
FACSIMILE SYSTEM
John V. L. Hogan, Forest Hills, and Horace G. Miller, Sunnyside, N. Y., assignors to Radio Inventions, Inc., New York, N. Y., a corporation of New York
Application June 16, 1934, Serial No. 730,856
5 Claims. (Cl. 178—6.7)

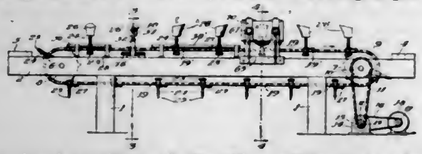


1. An electro-optical transmission system including a light source illuminating an image to be transmitted, image scanning means operating according to a predetermined cycle, means for generating current of a sub-carrier frequency high compared to the frequency of said scanning cycle, photo-electric means for modulating a portion of said sub-carrier current in accordance with the light from said image, means for rectifying said modulated portion of said sub-carrier current and for obtaining modulation-frequency currents therefrom, means for controlling an additional portion of said sub-carrier current in accordance with said modulation-frequency currents during a portion of said scanning cycle and other means for controlling said additional portion of said sub-carrier current during the remaining portion of said scanning cycle, and means for transmitting said doubly controlled additional portion of said sub-carrier current.

2,149,293
DECORATIVELY COVERED OBJECT OF IRREGULAR SURFACE CONTOUR AND METHOD
Grayle W. Howlett, Evanston, Ill.
Application June 10, 1936, Serial No. 84,429
10 Claims. (Cl. 91—67.9)

4. A method of applying a decorative covering to a portion of a heel which comprises spraying a potentially hardenable film in the fluid state

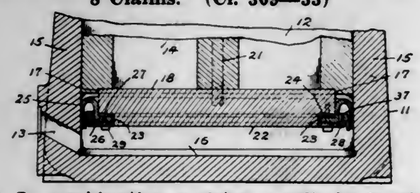
to a portion of the heel, and embossing a predetermined portion of the film while in a plastic condition to simulate grain marks of leather.



2,149,294
HYDRAULIC PISTON PACKING

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application September 30, 1936, Serial No. 103,329
8 Claims. (Cl. 309—33)

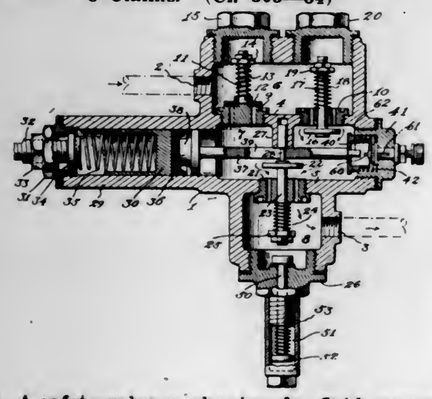


1. In combination, a piston, a cylinder in which said piston is disposed, a plate disposed upon the end face of said piston, a metallic piston ring having an annular member disposed upon said plate, and an annular part, generally inverted U shape in cross-section, extending from and about the periphery of said member with one of the arm portions of the U shape extending over and about the periphery of said plate, with the curved base portion thereof extended toward and spaced from the end face of said piston, and with the other arm portion of the U shape extending along and in contact with the adjacent wall of said cylinder, a flat annular plate disposed upon said annular member of said ring and extending over and free from contact with said U shaped part into close proximity with the wall of said cylinder and adapted to allow fluid under pressure to be received in the U shaped part between the aforesaid arm portions thereof, means to clamp said annular plate and said annular member to said plate, and means to secure said plate to the end face of said piston.

2,149,295
SAFETY VALVE FOR HYDRAULIC BRAKES

John H. Jobson, Mentone, Ala.

Application November 27, 1937, Serial No. 176,924
8 Claims. (Cl. 303—84)

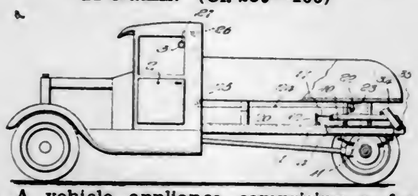


1. A safety valve mechanism for fluid pressure vehicle brakes, including a casing adapted to be mounted in a line leading to a brake, a valve for admitting pressure fluid to a compartment of the casing, a spring-pressed valve for preventing the exit of pressure fluid from said compartment, and means for normally holding the second-mentioned valve in open position, said means including a pressure-controlled plunger.

2,149,296
VEHICLE APPLIANCE

Raymond J. Kelberer, Great Falls, Mont.

Application November 1, 1937, Serial No. 172,253
11 Claims. (Cl. 280—166)

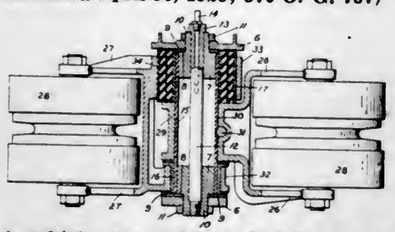


1. A vehicle appliance comprising a frame horizontally supported with respect to the chassis of a vehicle and slidable from a position within the limits of the vehicle chassis to a position projecting beyond the limits of the vehicle chassis, and means carried by said frame and manually controllable with said frame in projected position for latching said frame in either of the extreme positions thereof.

2,149,297
SUSPENSION FOR VEHICLES

Harry A. Knox, Washington, D. C.

Application September 20, 1937, Serial No. 164,747
3 Claims. (Cl. 267—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



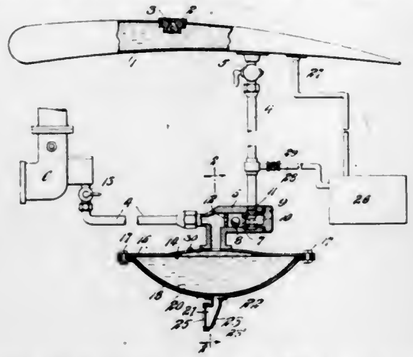
1. A vehicle suspension embodying a support adapted to be carried by a vehicle, a sleeve rotatably mounted on the support and having serrations over a portion of its external surface, a bushing on one end of the rotatable sleeve, said bushing formed of an inner sleeve having internal serrations engaging the serrations of the rotatable sleeve, an outer sleeve having external serrations, elastic material between and secured to the inner and outer sleeves, a pair of oppositely extending arms, one arm having a bearing with serrations engaging the serrations of the rotatable sleeve, the other arm having a bearing with serrations engaging the serrations on the outer sleeve of the bushing.

2,149,298
LIQUID FEEDING SYSTEM FOR AIRPLANES AND THE LIKE

William Richard Kuzelka, New York, N. Y.

Application November 11, 1936, Serial No. 110,268
6 Claims. (Cl. 244—135)

1. A gravity fuel feed system for airplanes and the like comprising the combination with a motor and a carburetor therefor; of a main tank from which the fuel will be supplied during a normal flight, supported at a higher elevation than said carburetor, a conduit connecting said main tank with said carburetor having a portion extending below the level of the latter, an auxiliary tank

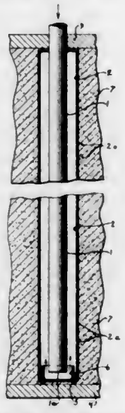


below the carburetor in normal flight for supplying the fuel during inverted flight connected to said portion having substantially unobstructed communication with said carburetor, and means in said conduit for automatically shutting off said main tank and said conduit leading to the same when the plane is in inverted position.

2,149,299
FLUID DISTRIBUTION

Raymond C. Lassiat, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application October 11, 1935, Serial No. 44,516
4 Claims. (Cl. 23—288)

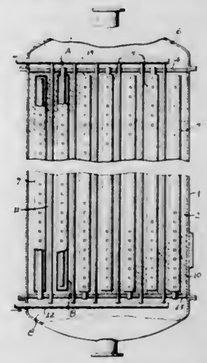


1. Apparatus for the reverse flow passage and distribution of fluid which comprises a double or nested conduit assembly having an inner conduit surrounded by an outer conduit, fluid communication between said inner conduit and said outer conduit being provided through an opening in an end of the former which terminates within said outer conduit adjacent to but in slightly spaced relation with the adjacent closed end of said outer conduit, said outer conduit having perforations or openings through the walls thereof, spaced from each other around and throughout the length of the same, and a fluid diversion member within said outer conduit and positioned in relation to the last-mentioned end of said inner conduit and to the said opening therein so as to reverse the direction of flow of fluid passing from said inner conduit into the space between said inner conduit and the said outer conduit of the aforesaid nested assembly while confining fluid, during reversal of its direction of flow in spaced relation with adjacent portions of the walls of said outer conduits, which have perforations or openings therethrough, said diversion member not substantially overlapping said inner conduit and not extending between said outer conduit and said inner conduit for any substantial proportion of the length of the latter, thereby to accomplish in desired manner the reversal of direction of flow of fluid passing from said inner conduit into the passage surrounding the latter and located within said outer conduit without interposing any substantial obstruction to the flow of fluids through those perforations in the outer conduit located perpendicular to the longitudinal axis of said inner conduit along substantially the entire length of the latter.

2,149,300
DISTRIBUTION AND TEMPERATURE CONTROL IN CHEMICAL REACTIONS

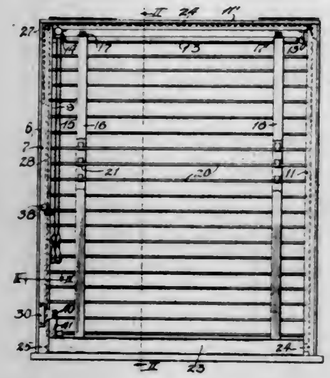
Raymond C. Lassiat, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application February 12, 1938, Serial No. 190,231
6 Claims. (Cl. 23—288)



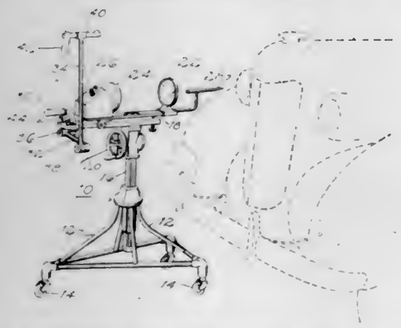
3. Apparatus for the reverse flow passage of fluid which comprises a double or nested conduit assembly having an inner conduit and an outer conduit, said conduits being spaced from each other to provide an elongate passageway therebetween, said inner conduit having an opening in an end thereof terminating within said outer conduit and adjacent to but in spaced relation with the adjacent closed end of the outer conduit, said outer conduit having distribution ports in the walls thereof, spaced from each other around and throughout the length of the same, said ports being substantially uniform in extent throughout the major portion of the length of said outer conduit but, in the portion of said outer conduit which is located adjacent the said opening in said inner conduit, the ports being of diminished extent so as to offset the effect of the zone of increased pressure which, during use, occurs in the zone of reversal of direction of fluid flow within said conduit assembly and adjacent the said opening in the end of the inner conduit, thereby to maintain distribution of fluid from said outer conduit of desired uniformity throughout each unit length thereof.

2,149,301
VENETIAN BLIND
Fred E. Lawson, St. Louis, Mo.
Application May 7, 1937, Serial No. 141,225
21 Claims. (Cl. 156—17)



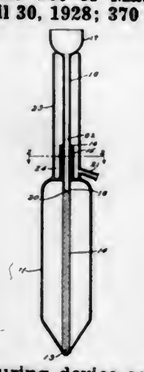
1. In a Venetian blind construction including a plurality of slats supported for raising and lowering movements; means including a manually actuatable winding drum mechanism for raising said slats, and means for frictionally opposing lowering movement of said slats.

2,149,302
SIGHTING DEVICE FOR HEADLIGHT TESTING APPARATUS
Charles W. MacMillan, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application September 20, 1937, Serial No. 164,613
3 Claims. (Cl. 33—46)



1. A headlight testing apparatus for motor vehicles comprising, in combination, a support carrying headlight testing instrumentalities disposed in alignment, a device for lining said instrumentalities in proper position in front of a headlight of a motor vehicle by sighting on a part of the motor vehicle remote from the headlight, said device including a pair of rigid arms pivotally connected together at one of their ends about an axis extending parallel to the axis of alignment of the headlight testing instrumentalities, means pivotally connecting a free end of one of said arms to said support about an axis extending parallel to the axis of alignment of said headlight testing instrumentalities, and a clip carried by said support adapted to engage a part of the other arm adjacent to its free end and to releasably hold the arms in folded condition adjacent to said support.

2,149,303
LIQUID MEASURING DEVICE
Louis N. Markwood, Washington, D. C.
Application October 13, 1938, Serial No. 234,796
4 Claims. (Cl. 73—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



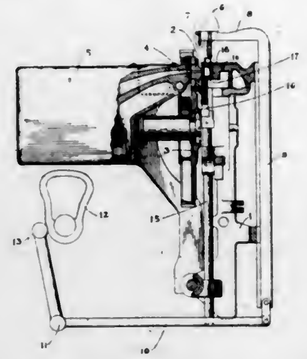
1. A liquid measuring device comprising a tubular container having an outlet in its bottom; a tube sealed on top of said container; a smaller and shorter tube communicating with said container, secured to the top thereof and disposed in said first-mentioned tube; a central element normally disposed longitudinally through said smaller and shorter tube, said central element having a narrow tube, a rod secured in alignment with said narrow tube on the bottom thereof, the lower end of said rod being adapted to removably rest in and thereby seal the outlet in said container, a funnel disposed on said narrow tube, and an outlet in the bottom of said narrow tube; an overflow in said first-mentioned tube below the upper rim of said smaller and shorter tube.

2,149,304
LYOPHILIC BIOLOGICALLY ACTIVE SUBSTANCES
Peter Masucci, Norwood, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application April 20, 1936, Serial No. 75,420
10 Claims. (Cl. 167—78)

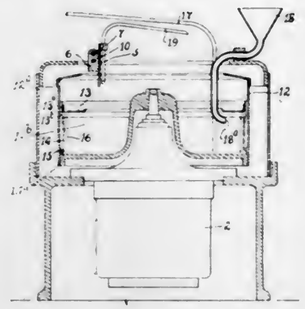
1. In the process of producing a desiccated serum by freezing such substance and subjecting it to a high vacuum to remove water, the step of adding a material of the class consisting of acidic and amphoteric electrolytes to the substance before freezing.

2,149,305
LINE-CASTING MACHINE
Arthur C. McGrath, Chicago, Ill., assignor of one-half to Melville Keim, Maple Lane, Highland Park, Ill.
Application January 13, 1936, Serial No. 58,961
2 Claims. (Cl. 22—2)

2. A casting box adapted for use with a line-casting machine, comprising: a rear casing member having at its bottom a forwardly extending platform, said member being equipped with means for locking said member to the machine, and a slotted front cover resting on said platform and spaced from said rear casing member, said cover being adapted to slide along said platform to vary the spacing between said cover and said rear casing member.

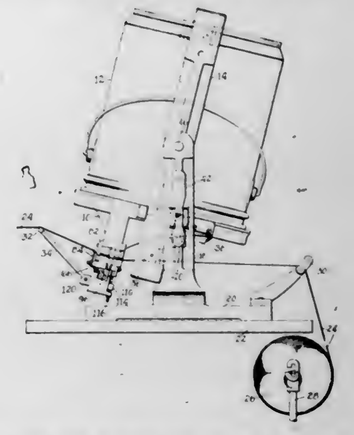


2,149,306
MANUFACTURE OF FOOD EXTRACT FROM YEAST
James Hill Millar, Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England
Application June 6, 1935, Serial No. 25,216
In Irish Free State June 22, 1934
7 Claims. (Cl. 99—97)



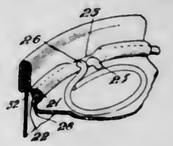
2. The process of manufacturing a soluble food extract from brewers' yeast which comprises liquefying the crude yeast at about 65° C. with the addition of a small quantity of common salt, digesting the liquid for about 72 hours at said temperature, diluting the mass, and centrifuging to remove insoluble matter, further subjecting the extract to centrifugal filtration, concentrating the extract by evaporation, heating same to about 70° C. and maintaining at said temperature for about an hour while about 0.75% to 1% by volume of activated carbon is gradually added, subjecting the extract to plain or ordinary centrifuging to remove the suspended carbon and then to centrifugal filtration through an adsorptive filter to remove the colloidally dispersed carbon, evaporating the extract in vacuo to a thick paste, redissolving the paste in hot water and heating to about 97.8° C. to destroy proteolytic enzymes and produce coagulation of protein matter to enclose or remove the last trace of carbon and subjecting the heated liquid to centrifuging and evaporating to obtain the final product.

2,149,307
COATING APPARATUS FOR STRIP MATERIAL
Russell K. Nash, Brookline, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application January 2, 1937, Serial No. 118,892
10 Claims. (Cl. 91—30)



2. A coating apparatus having a nozzle for delivering coating material on the upper surface of a strip drawn beneath said nozzle, means for supporting said strip in loose engagement with the nozzle, means for controlling the quantity of material applied to the strip, and means responsive to the tension of the strip threaded through the apparatus for clamping the strip against the nozzle.

2,149,308
CAN TOP
Josiah F. Peckham, Providence, R. I., assignor of one-half to Hubert Latham, Providence, R. I.
Application May 7, 1937, Serial No. 141,219
4 Claims. (Cl. 220—49)



3. A can top comprising a substantially encircling horizontal portion, a peripheral sealing edge extending from the outer edge thereof and a track extending from the inner edge thereof, a web portion closing the center of said track, a flexible severing member having one end anchored and extending about said track and through the top from its inner surface to its outer surface and provided with a handle for engaging and pulling the same, said track extending outwardly below said severing member to an extent to prevent passage of the severing member between it and the side of a can when the cover is in working position to thereby lock the severing member from disengagement with the track, and a score in said encircling horizontal portion to weaken the same, said score being so shaped as to enable a smooth edge being formed on the portion of the can top remaining on the can and of a diameter greater than the outwardly extending portion of the track below the severing member.

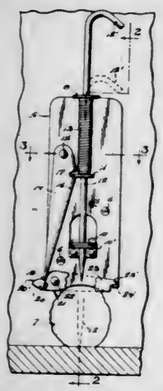
2,149,309
ALKALI CELLULOSE
Floyd C. Peterson and Albert T. Maasberg, Midland Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 30, 1937, Serial No. 151,156
5 Claims. (Cl. 260—10)

1. The process which comprises aging an alkali cellulose, wherein the concentration of sodium hydroxide and of water corresponds to a sodium hydroxide solution of 60 to 80 per cent concentration, at a temperature in the range from slightly below the hardening point thereof to the point at which injurious degradation occurs, i. e., to about about 130° C.

2,149,310
ALKALI CELLULOSE
Floyd C. Peterson, Syracuse, N. Y., and Albert T. Maasberg, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 10, 1937, Serial No. 173,852
3 Claims. (Cl. 260—233)

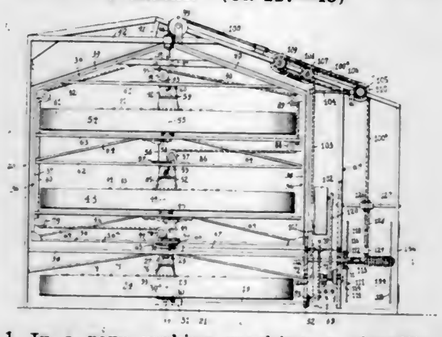
1. The process which comprises aging a finely divided alkali cellulose wherein the alkali and water content corresponds in proportion to a sodium hydroxide solution of between about 75 and about 78.5 per cent concentration, at a temperature between the hardening point of said alkali cellulose and about 100° C. while agitating the alkali cellulose, at least until said alkali cellulose agglomerates into particles wherein the viscosity of the cellulose, when measured in a 3 per cent solution in a cuprammonium hydroxide reagent containing 30 grams of copper and 180 to 200 grams of ammonia per liter, is below about 8 centipoises.

2,149,311
RAT TRAP
James Potts, Selleck, Wash.
Application June 9, 1936, Serial No. 84,280
5 Claims. (Cl. 43—79)



1. A spring-loaded rat trap employing a striker formed with a pointed end adapted to be driven through the body of the rat comprising, in combination with the striker, a frame-plate providing a pair of vertically-spaced integral lugs turned at right angles to the plane of the plate surface to act as bearings for the slidable reception of the striker, a collar fixed to said striker between the bearings, a coil spring carried by the striker between said collar and the upper bearing, a setting lever supported to one side of the striker and formed to an approximate L-configuration in transverse section to provide a flange extending along the inner edge of the same, the fulcrum for said setting lever being located at the upper end of the same and said flange being cut away at a point immediately below the horizontal plane of the fulcrum to provide a notch disposed to receive the collar in the retracted spring-compressed position of the striker, and a medially-fulcrumed locking lever acting to releasably secure the setting lever against spring-influenced dislodgment of the collar from said notch, said locking lever providing a notch in the upper edge of one arm thereof and being supported to lie in a relative horizontal plane to locate the notch in position whereat the free terminal of the setting lever is received therein and to locate the other arm in position whereat the same lies in the predetermined path of movement of the rat to act as a trigger for depressing the locking arm to release the striker following elevational contact of the rat with the trigger arm.

2,149,312
ROPE MAKING MACHINE
Philip J. Roche, Weehawken, N. J.
Application May 12, 1937, Serial No. 142,102
6 Claims. (Cl. 117—48)

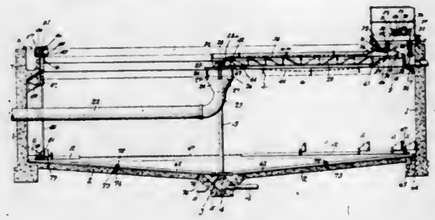


1. In a rope making machine, a plurality of first members having a common axis, in each first member, a strand forming tube, a plurality of spools of yarn, a first tube for each first member in said axis, all the yarns in a first member being adapted to pass through the respective tube and be twisted into respective rope strands therein; a second member independent of said first members through which all said strands travel in such a manner as to be adapted to be rotated around the respective tubes; a rope laying tube in said second member in said axis, all said strands passing through said second tube and being adapted to be twisted into a final rope product therein, a relatively stationary guide for said final rope, means to exert a tension on said final rope, and means to independently rotate said second member and said first members.

2,149,313
TANK
William W. Sayers, Chicago, Ill., and Fred E. Mlick, Los Angeles, Calif., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1935, Serial No. 37,308
15 Claims. (Cl. 210—55)

1. In combination in a circular tank, a fixed

discharge in its bottom and means for moving material across the bottom to said discharge, said means comprising a track positioned near the periphery of the tank and adjacent its bottom and an endless link chain supported and guided

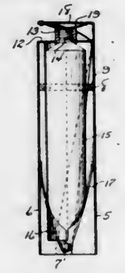


by said track, a plow positioned adjacent the bottom of the tank attached to said chain adjacent its outer end, and a pivot positioned adjacent said discharge and carrying the inner end of said plow, a member on one of said chain links connecting it with the outer end of the plow.

2,149,314
PYROTECHNIC COMPOSITION
George J. Schladt, Dover, N. J.
No Drawing. Application February 16, 1938, Serial No. 190,806
9 Claims. (Cl. 52—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

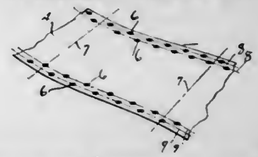
1. A composition consisting of barium nitrate, strontium nitrate, magnesium coated with linseed oil, and a binding agent of one to four per cent of a mixture of linseed oil and castor oil.

2,149,315
TUBE HOLDER
Frank Schymizek, Flatbush, Alberta, Canada
Application February 26, 1938, Serial No. 192,842
2 Claims. (Cl. 221—60)



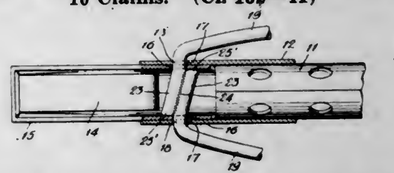
1. A device of the character described, comprising, a tube holder having front and rear sections hinged together adjacent the lower ends thereof, a sleeve having open ends rotatably mounted in the upper wall of said rear section and provided with threads adapted to engage the threaded neck of a collapsible tube to support said tube within said holder, latches and keepers coacting together to secure said sections in closed condition, and a resilient closure member carried by said front section for engagement over said sleeve whereby to close said tube when said sections are in closed position and permit use of the contents of said tube when said sections are in open position.

2,149,316
SUPERPOSED RECORD STRIP AND METHOD OF REGISTERING AND ALIGNING THE SAME
John Q. Sherman, Dayton, Ohio
Application October 8, 1936, Serial No. 104,593
17 Claims. (Cl. 282—12)



1. A manifolding assembly comprising a plurality of superposed record strips having therein longitudinally spaced feed holes, succeeding portions of which are relatively adjusted into registry and alignment and simultaneously advanced into record receiving position by progressive engagement of traveling feeding pins in said longitudinally spaced holes, said tsrips being characterized by having in their opposite margins successions of holes for engagement of a pin type feeding and aligning device wherein succeeding holes of each series are staggered in diagonally offset alternating directions and the holes in one margin of the strip are furthermore longitudinally offset relative to those in the opposite margin of the strip.

2,149,317
HAIR CURLER
Nathan L. Solomon, Brooklyn, N. Y.
Application August 28, 1936, Serial No. 98,320
10 Claims. (Cl. 132—41)



1. In a hair curler, a tube, a cover mounted thereon, and a loop having fulcrum means pivotally sustaining said tube and cover comprising biased terminals guiding pivotal displacement of said loop relative to said tube and cover.

2,149,318
COMPOUND CURLER
Nathan L. Solomon, Brooklyn, N. Y.
Application January 18, 1937, Serial No. 121,189
15 Claims. (Cl. 132—33)



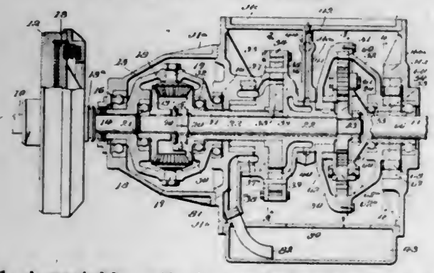
1. A hair curler of the character described comprising superimposed hingedly associated sections constituting an expanded part and a reduced part, and spring means for normally holding said expanded part open and said reduced part closed, said expanded part having means for gripping a portion of a tress of hair, said reduced part constituting manipulatable means for winding the hair gripped by said expanded part thereabout, said reduced part having means for gripping a portion of a tress of hair, said expanded

part constituting manipulatable means for winding the hair gripped by said reduced part about the latter.

2,149,319
TREATMENT OF HUMAN HAIR
Edmond Soussa, Paris, France
No Drawing. Application April 19, 1935, Serial No. 17,253
2 Claims. (Cl. 167—88)

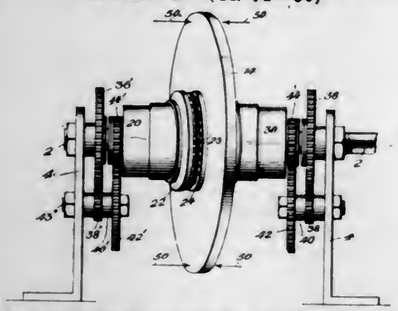
1. A composition for removing dye from living hair on the human head without injury to the hair or person which comprises nitric acid (40° Bé.) 3%, hydrochloric acid 1%, oxalic acid 1%, acetic ether 1%, cholesterol 0.02%, diethylene glycol 3%, sodium formaldehyde sulphoxylate 1%, and water 89.98%.

2,149,320
VARIABLE RATIO TRANSMISSION
Otto E. Szekely, Elmira, N. Y., assignor to The Szekely Company, Inc., a corporation of New York
Application May 1, 1937, Serial No. 140,229
13 Claims. (Cl. 74—293)



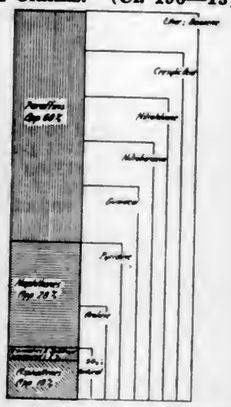
1. A variable ratio transmission comprising a frame, a driving member, a driven member; first and second differentiating gearings each comprising first and second gears having a common axis, a planet pinion and a differential member revoluble with the planet pinion about the common axis, the said first gears in each differentiating gearing being connected together, and fluid pressure means including two relatively movable parts respectively connected to the said second gears and effective for retarding the relative angular motion of said second gears; one said differential member being connected to the driving member and the other said differential member being connected to the driven member.

2,149,321
MECHANICAL MOVEMENT
George E. Taylor and Frank A. Smith, Charleston, W. Va.
Application June 10, 1936, Serial No. 84,528
13 Claims. (Cl. 74—60)



1. A mechanical movement comprising a shaft and a wobble plate, and mounting means for the wobble plate for causing it to rotate positively with the shaft, thereby causing a given point on the periphery of the wobble plate to follow a uniform, regular, sinuous path around the axis of the shaft.

2,149,322
OIL TREATING PROCESS
Malcolm Harley Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application September 6, 1933, Serial No. 688,271
Renewed November 4, 1937
4 Claims. (Cl. 196—13)



1. Process of separating a mineral oil containing paraffinic and naphthenic type constituents into two liquid phases, one of which is relatively paraffinic and the other of which is relatively naphthenic, which comprises commingling the mineral oil to be separated with a paraffinic solvent of the group consisting of liquefied, normally-gaseous hydrocarbons and petroleum ether, and with a naphthenic solvent mixture containing a selective naphthenic solvent having as broad a solvent power as nitrobenzene for all non-paraffinic constituents of the oil, and another naphthenic solvent which has a relatively limited solvent power, controlling the temperature of the mixture at a point where the broad and limited solvents are miscible to but a limited extent with the paraffinic solvent and cause an effective separation of the oil into layers, and separating the layers thus produced.

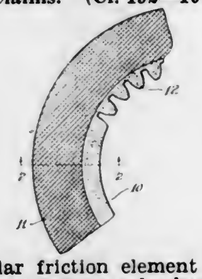
2,149,323
SOLVENT AND PROCESS OF TREATING MINERAL OILS
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 27, 1935, Serial No. 28,673. Renewed November 4, 1937. In Great Britain October 22, 1934
7 Claims. (Cl. 196—13)

1. Process of separating a mineral oil into paraffinic-type and naphthenic-type fractions which comprises treating the oil jointly with a paraffinic solvent such as a liquefied normally gaseous hydrocarbon and with a naphthenic solvent containing about 18–38% phenol, and about 77–57% cresylic substances under conditions adapted to cause the oil to separate into layers, separating the layers and recovering the solvents therefrom.

6. Process of extracting a mineral oil which comprises intermingling the oil with a paraffinic

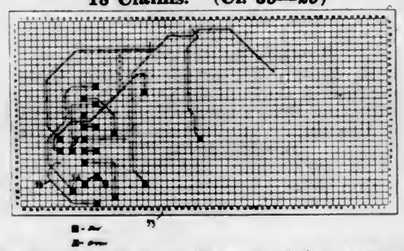
solvent and with a naphthenic solvent mixture comprising a naphthenic solvent having the solvent power of cresol for naphthenic oil constituents and having a low miscibility temperature with said paraffinic solvent and oil, and a naphthenic solvent having a relatively limited solvent power for naphthenic oil constituents and having a relatively high miscibility temperature with said paraffinic solvent and oil, said naphthenic solvents being employed in such proportions as to enable the mixture to separate into layers at ordinary room temperatures, separating the layers thus produced, and separating the solvents from said layers.

2,149,324
FRICTION ELEMENT
Earl A. Wales, Cleveland, Ohio, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application July 26, 1937, Serial No. 155,603
6 Claims. (Cl. 192—107)



1. An annular friction element comprising a body of fibrous structure and a hardened binder, and having superposed on a surface thereof and embedded therein in the form of an annular ring woven asbestos cloth, said cloth extending over the said surface from one periphery thereof to a point spaced from its other periphery.

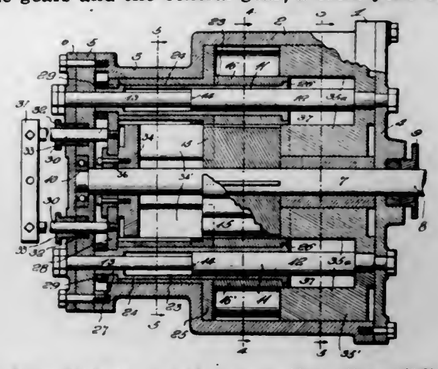
2,149,325
AUTO-DIAGRAPH FOR BALL GAMES
Anthony B. White, Hot Springs, Ark., assignor of fifty per cent to Homer K. Wright, Hot Springs National Park, Ark.
Application May 8, 1937, Serial No. 141,529
18 Claims. (Cl. 35—29)



1. An indicating device comprising a screen, a source of light, a shutter, a solenoid, and a tubular plunger for said solenoid for operating said shutter, whereby upon energization of the solenoid the plunger will move within said solenoid and open the shutter to permit light to pass to the screen through said plunger.

2,149,326
VARIABLE CAPACITY GEAR PUMP
George W. Wilkin, Spokane, Wash.
Application April 27, 1937, Serial No. 139,314
7 Claims. (Cl. 103—120)

1. A gear pump comprising a casing, heads closing the ends of the casing, a central drive shaft journaled in said heads, stationary shafts carried by the heads and disposed on opposite sides of the drive shaft, a central pump gear carried by the drive shaft, sleeves slidably mounted on the stationary shaft, pump gears arranged on opposite sides of the central pump gear and meshing therewith, said side gears being rotatable about and slidable with the sleeves, the casing being provided with a set of fluid intake and discharge ports for cooperation with each of the side gears and the central gear, a cross yoke ex-



tending between and connecting the sliding sleeves, means extending through one of said heads and coupled to the cross yoke for sliding said side gears for varying their extent of meshing engagement with the central gear and the pumping capacity of the pump, and means rotatable with the gears and relatively slidable therewith in their sliding actions for filling the spaces between the teeth of the gears left vacant by the relative sliding movement of the gears in disengaging direction.

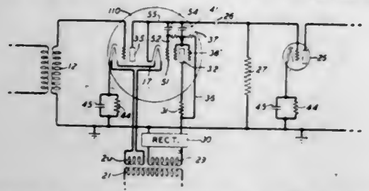
2,149,327
METHOD OF PREPARING ANHYDROUS FERRIC SULPHATE
William S. Wilson, Brookline, and John F. White, Somerville, Mass., assignors, by mesne assignments to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application May 16, 1934, Serial No. 725,901
8 Claims. (Cl. 23—126)

5. A method of forming substantially completely soluble anhydrous ferric sulphate which comprises forming a solution of soluble ferric sulphate salts, then removing the water of solution sufficiently quickly and at a temperature above approximately 70° C. and sufficiently low to prevent the formation of insoluble basic compounds, and finally driving off the remaining water.

2,149,328
SPACE DISCHARGE TYPE OF APPARATUS
Charles B. Aiken, La Fayette, Ind., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1935, Serial No. 56,312
4 Claims. (Cl. 179—171)

3. In combination, two electron space discharge devices, each having electrodes including a cathode, an anode and a control grid, and circuits therefor, and a circuit for coupling the anode-cathode circuit of one of said devices to the control grid-cathode circuit of the other device, including a third electron space discharge device having electrodes including a cathode, an anode,

a space charge grid and a shield grid, and having its space path in series with the cathode-anode circuit of said one device with the cathode of said third device conductively connected to the anode of said one device, the electrodes of said one and said third device being housed in the same envelope, a conductive connection between the anode of said third device and the shield grid thereof



including a resistance within said envelope, to positively bias said shield grid with respect to the cathode of said third device, means to maintain said shield grid and said space charge grid at the same alternating potential as the cathode of said third device, and means to apply a positive bias to said space charge grid which is less than the positive bias applied to said shield grid.

2,149,329

COATED CELLULOSIC FABRIC

Robert W. Ball, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

No Drawing. Application November 17, 1934, Serial No. 753,474
8 Claims. (Cl. 91—70)

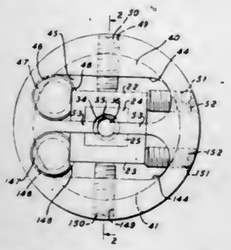
1. A process for preparing a white, water-resistant, coated cellulosic fabric comprising applying to the surface of said fabric a white, molten, non-aqueous, water-resistant coating composition, comprising a mineral wax, throughout the body of which a white, high hiding power, inorganic pigment from the group consisting of zinc oxide, zinc sulfide, titanium oxide, extended forms or mixtures of such pigments, is dispersed by means of a separately-added dispersing agent, said agent being a weak, organic acidic compound from the group consisting of sulfonated, animal, vegetable and mineral oils and their salts.

2,149,330

METHOD OF AND APPARATUS FOR TREATING DIES

Harry Blount, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 20, 1936, Serial No. 80,707
8 Claims. (Cl. 51—217)



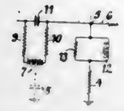
1. A rotatable cylindrical device for holding members of a non unitary die each having an arcuate working facet thereon, which device comprises a body having two parallel recesses symmetrically disposed therein with respect to its periphery to receive the two members, a wall between the two recesses of such thickness as to space the members with their arcuate facets coaxial with each other, means to clamp the members against the wall, and means to position and clamp the members in alignment with each other.

2,149,331

ELECTRIC CIRCUITS FOR REDUCING THE EFFECT OF SHUNT CAPACITY OR REACTANCE INTRODUCED BY CIRCUIT ELEMENTS

Alan Dower Blumlein, Ealing, England, assignor to Electric & Musical Industries Limited, a British company

Application July 8, 1936, Serial No. 89,676
In Great Britain July 8, 1935
7 Claims. (Cl. 178—44)



6. A circuit for coupling electronic devices comprising a load circuit for at least one of said devices, said load circuit having a resistive value R, means for connecting said load circuit to a current carrying electrode of said electronic device, a circuit element having a definite reactance connected to said electronic device and to said load circuit, means connected to said latter element and to said load having a reactance in opposition to said first reactance whereby the ratio of inductive reactance to capacitive reactance in the circuit is equal to the square of the load resistive value

$$\left(\frac{L}{C}=R^2\right)$$

said means connecting a second electronic device to said circuit whereby the coupling circuit behaves as a substantially constant resistance for the whole of the band of frequencies transmitted by said electronic devices.

2,149,332

WOOD PRESERVATION

Ernest R. Boller, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 7, 1937, Serial No. 141,277
26 Claims. (Cl. 21—26)

1. A zinc chloride-sodium dichromate composition useful for the preservation of wood and similar organic materials subject to decay and prepared from zinc chloride containing basic zinc constituents, having incorporated therein a compatible acidic substance in an amount sufficient at least to prevent formation of any appreciable quantity of insoluble residue.

15. In a process for the preservation of wood and similar organic materials subject to decay and attack by termites by impregnation with a zinc chloride-sodium dichromate solution, the steps comprising preparing a zinc chloride-sodium dichromate solution containing basic zinc constituents, incorporating therein a compatible acidic substance in amount sufficient at least to prevent formation of any appreciable quantity of insoluble residue and then impregnating the material to be preserved with said solution.

2,149,333

COMBINED LOW FREQUENCY AND TURNSTILE ANTENNAS

George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 18, 1937, Serial No. 126,327
7 Claims. (Cl. 250—33)



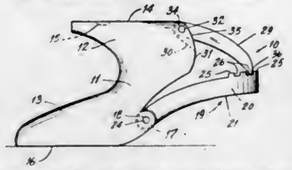
1. An antenna system including in combination a low frequency antenna and a high frequency antenna, said low frequency antenna having the characteristic of radiating vertically polarized waves and said high frequency antenna having the characteristic of radiating horizontally polarized high frequency waves, and further characterized by a common connection between said antennas for low frequency currents.

2,149,334

SHOE REPAIR LAST

Michail Choma, East St. Louis, Ill., assignor of one-half to John Mongan, East St. Louis, Ill.

Application July 6, 1937, Serial No. 151,981
2 Claims. (Cl. 12—123)



1. A shoe repair last comprising a main body, and a shank assemblage, said assemblage including a member pivoted to the main body at a point spaced a substantial distance above the lower surface thereof, and a pawl pivoted to said main body adjacent the top surface thereof, said member including means adjacent the free end thereof to receive the free end of the pawl to selectively position the member relative to the main body.

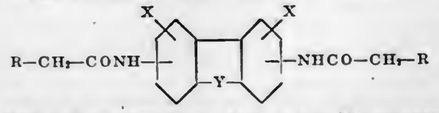
2,149,335

AZO DYE INTERMEDIATES AND METHODS OF PREPARING THEM

Miles Augustinus Dahlen and Frithjof Zwilgmeyer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 17, 1933, Serial No. 685,638
13 Claims. (Cl. 260—250)

7. The compound represented by the formula:



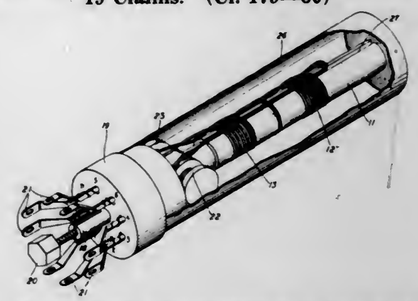
in which R represents an acyl group, X represents one of the group consisting of hydrogen, alkyl, alkoxy, halogen, and nitro groups, and Y represents a bivalent bridge radical.

2,149,336

INDUCTIVE DEVICE

Paul S. Darnell, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 30, 1937, Serial No. 166,514
19 Claims. (Cl. 179—80)



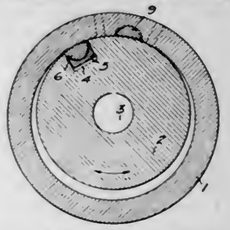
1. An inductive device comprising an insulating tube, a winding of a plurality of turns surrounding one section of said tube, a second winding of a plurality of turns surrounding a second section of said tube, said windings being spaced apart on said tube a distance sufficient to reduce to substantially zero the mutual inductance between said windings, a pair of magnetic cores within said tube, one for each winding, said cores being separated from each other by a relatively large non-magnetic gap, and means for adjusting the positions of said cores relatively to said windings.

2,149,337

ROTARY PUMP

Robert Deming, Norwood, Ohio, assignor to Deming Rotary Pump Company, Cincinnati, Ohio, a corporation of Ohio

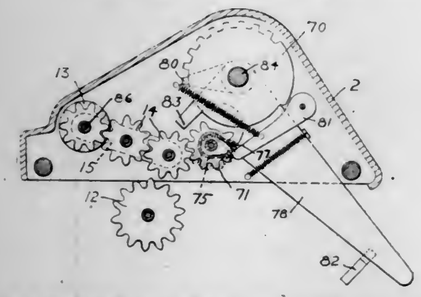
Application December 11, 1934, Serial No. 756,989
12 Claims. (Cl. 103—136)



1. In a pump of the rotary piston type having relatively rotatable elements forming walls of the pump chamber, and a movable sealing member having a sliding fit in a recess of one of said elements and provided with a face engaging the surface of a relatively rotatable element and substantially conforming to said surface to maintain a seal between high pressure and low pressure portions of the pump chamber, said sealing member and said recess in which it is mounted being shaped to provide spaced pressure pockets between the member and its recess at the high pressure and under sides of said member, said sealing member and its recess having bearing surfaces extending the full length of said member and in sliding and sealing engagement on the low pressure side thereof, said sealing member having a passage for fluid under pressure opening at one end to the pump chamber on the high pressure side of said member and communicating with said pockets to maintain a fluid pressure therein substantially the same as in the high pressure

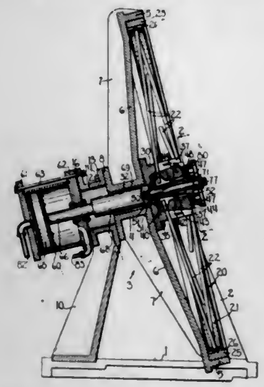
portion of the pump chamber to press said member against the relatively rotatable element and against the low pressure side of its recess.

2,149,338
CALCULATING MACHINE
Hugo E. Enders, Belleville, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application March 26, 1938, Serial No. 198,221
1 Claim. (Cl. 235—79)



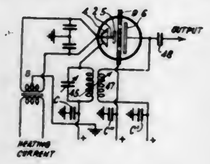
In a calculating machine; the combination with a transversely shiftable carriage, a set of product dials mounted thereon, a set of multiplier dials, and means for clearing said multiplier dials to zero registering position; of means for automatically setting a value in one of said product dials, including a gear segment, an operating spring therefor, a latch adapted to hold said segment against the tension of its spring, means operable by the multiplier dial clearing means to tension said segment spring, and a fixedly mounted projection engageable by said latch during the shifting of said carriage, to release the segment.

2,149,339
MOLD FIXTURE
Fay O. Gorman, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 26, 1935, Serial No. 46,862
9 Claims. (Cl. 22—58)



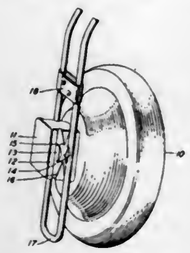
1. In a mold fixture, the combination of a support having an opening therein, a member carried by said support about said opening and having parts extending in a direction generally axially of said opening, a plunger movable in said opening, mold chamber forming elements carried by said member about said opening and held in place radially of the axis of said opening by said generally axially extending parts, one of said elements having a portion disposed in axial alignment with said plunger, and means establishing a releasable connection between said plunger and said one element, whereby the plunger may be actuated for clamping the chamber forming elements within said parts.

2,149,340
OSCILLATION GENERATION
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application January 14, 1936, Serial No. 59,054. Divided and this application June 24, 1937, Serial No. 150,038
19 Claims. (Cl. 250—36)



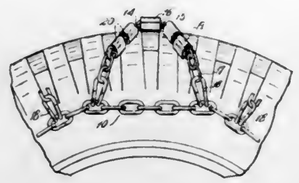
1. In a system for producing high frequency oscillations, a thermionic tube having an elongated electron emission element which when heated produces diffused emission in a direction away from the axis of the tube, means for heating said emission element, an accelerating and control electrode located adjacent one end of said emission element, an additional electrode mounted adjacent the other end of said emission element, an alternating current circuit connected between said first named accelerating and control electrode and said emission element, and an alternating current circuit connected between said additional electrode and said emission element, each of said last named circuits including means for coupling one to the other.

2,149,341
EARPHONE SUPPORT
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1935, Serial No. 40,062
5 Claims. (Cl. 179—156)



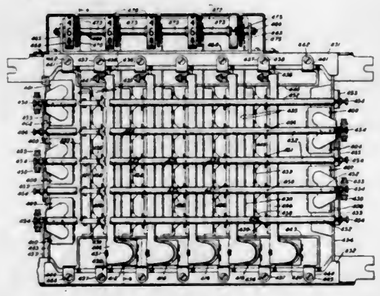
1. In combination, a support having a slot, a receiver, a resilient extension on the receiver and a plurality of pairs of grooved portions on the extension complementary to and adapted for frictional engagement with said slot.

2,149,342
TIRE CHAIN FOR TRACTORS
Frederick G. Hodell, Cleveland Heights, Ohio, assignor to The Hodell Chain Company, Cleveland, Ohio, a corporation of Ohio
Application September 30, 1936, Serial No. 103,378
7 Claims. (Cl. 152—245)



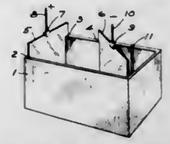
1. A cross chain comprising a chain length and T-shaped tubular tread members slidable but non-rotatable thereon.

2,149,343
SIGNALING SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 14, 1936, Serial No. 68,867
10 Claims. (Cl. 177—353)



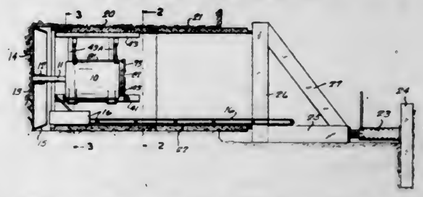
4. In a registering and indicating mechanism comprising a cross-bar mechanism having a plurality of selecting bars operable in either of two directions, a plurality of holding bars positioned at right angles to said selecting bars, means for selectively operating said selecting bars in either direction of movement and means responsive thereto for operating one of said holding bars, a rocker arm at the intersection of each selecting bar and each holding bar, there being a row of rocker arms associated with each holding bar, said rocker arms being operable in either of two directions in accordance with the direction of movement of the associated selecting bars, a display device allocated to each row of rocker arms, each display device comprising a character bearing drum, a pinion attached thereto, a segmental gear meshing with said pinion and operating rods connecting different radial points on said gear with the rocker arms of the row to which the display device is allocated, and means operable through the conjoint operation of any one of said selecting bars and said holding bar whereby said rocker arms are selectively operated to cause the selective rotation of said drum by said segmental gear.

2,149,344
APPARATUS AND PROCESS FOR THE STUDY OF PLATING SOLUTIONS
Richard O. Hull, Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1935, Serial No. 12,416
2 Claims. (Cl. 204—1)



1. In a process of the character described, the step comprising passing current thru a confined body of a solution of an electrolyte which is confined on two sides by boundary planes which intersect at an angle less than 90° and employing a cathode which constitutes one of said boundary planes the remaining boundary planes being constituted of non-conducting material whereby different areas on the cathode receive current thru different magnitudes of electrolyte solution cross-sectional area taken in planes normal to the direction of current flow and employing an anode located far enough outside of the portion of the body of electrolyte solution which is bounded by said two boundary planes that it does not interfere with the variation of current at the cathode.

2,149,345
EARTH BORING APPARATUS
Claude H. Hunsaker, University City, Mo.
Application April 25, 1938, Serial No. 204,041
7 Claims. (Cl. 262—7)

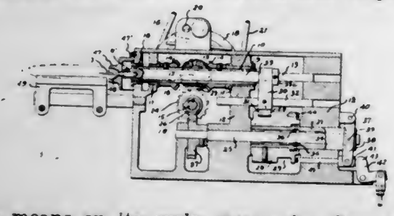


1. The combination in earth tunnelling apparatus, of a casing extending within the bore, a powered tunnelling unit within the casing, longitudinal supports for the unit extended within and along the walls of the casing, and a plurality of interfitting elements carried by the supports and the unit, and so related in assembly as to prevent unintended rotational and longitudinal displacement of the unit within the casing, and a single operating member in controlling relation to the several said interfitting elements.

2,149,346
CIGAR PERFORATOR
Walter E. Ibold and Joseph R. Fornefeld, Cincinnati, Ohio, assignors to Michael Ibold Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 13,497
2 Claims. (Cl. 131—20)

2. A cigar perforator comprising the combination of a perforating needle, means for revolving said needle in one direction at all times times during its operation, means for reciprocating said needle into and out of the head of a cigar with

a pause in reciprocation when said needle is furthermost in said head, said reciprocating means being cyclic, and including a clutch, means for engaging said clutch for starting said reciprocat-

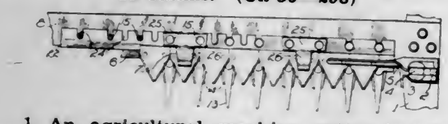


ing means on its cycle, means for disengaging said clutch at the end of its cycle, said clutch engaging means being manually operated, and said clutch disengaging means being automatically operated.

2,149,347

MOWER CUTTER BAR UNIT

Walter A. Johnson, Rochester, Minn.
Application August 30, 1937, Serial No. 161,612
13 Claims. (Cl. 56—298)

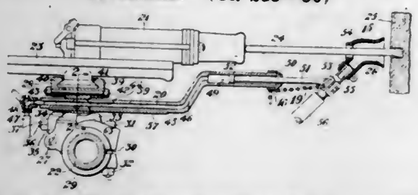


1. An agricultural machine cutter bar unit comprising a supporting yoke, a guard bar connected thereto, a plurality of guards secured to the guard bar, a reenforcing housing secured to the guard bar and enclosing the mounted ends of said guards, a sickle unit coacting with said guards, a notched one-piece sickle wearing plate of substantially the length of the guard bar and supported thereon engaged by the sickle unit, and clips on the wearing plate and secured to the guard bar, said clips projecting into engagement with the sickle unit.

2,149,348

DUST COLLECTING DEVICE

George S. Kelley, Mount Vernon, N. Y., assignor to The Kadco Corporation, New York, N. Y., a corporation of New York
Application June 7, 1937, Serial No. 146,730
10 Claims. (Cl. 255—50)



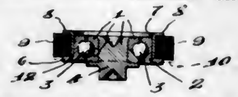
1. In a dust collecting device, the combination of a rock drill and a mounting for the rock drill, a clamping device for securing the rock drill to the mounting, a dust collecting hood, support means for the hood, a bearing in the clamping device for the support means, and means for locking the support means to the clamping device.

2,149,349

RUBBER TIRED ROLLER

Frederick K. Kilian, Syracuse, N. Y., assignor to Kilian Manufacturing Corporation, Syracuse, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 131,432
1 Claim. (Cl. 308—6)

A roller comprising a body element including a central member, inner and outer raceways with antifriction members between them, the inner raceway being mounted on the central member and the outer raceway having a cylindrical peripheral surface and an annular circumferential



flange at one edge of said surface, a press-on ring snugly fitting the periphery of the outer raceway and having an annular peripheral flange opposed to the former flange, and a tire on the rim compressed between said flanges.

2,149,350

CUSHION CONSTRUCTION

Paul Kloppman, Detroit, Mich., assignor to No-Sag Spring Company, a corporation of Michigan
Application April 18, 1936, Serial No. 75,059
8 Claims. (Cl. 155—179)



1. A cushion having a spring surface, and a resilient frame mounted for independent movement relative to the major portion of said spring surface and disposed above and over at least one edge of said surface.

2,149,351

REFINING AND STABILIZATION OF MOTOR FUEL

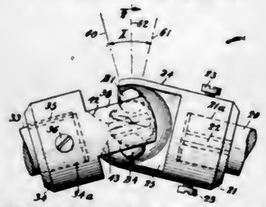
Edward H. Lang, Chicago, and Rudolph C. Osterstrom, Kenilworth, Ill., assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 24, 1935, Serial No. 28,160
14 Claims. (Cl. 196—93)

7. The method of stabilizing cracked distillate which is not susceptible to stabilization by addition of gum inhibitors which consists in subjecting said distillate to heat and pressure treatment sufficient to polymerize those gum-forming constituents which are non-susceptible, but insufficient to render the distillate gum stable, fractionating said distillate to end point motor fuel, and immediately thereafter adding a gum inhibitor thereto.

2,149,352

UNIVERSAL JOINT

Thomas P. Leaman, Babylon, N. Y.
Application April 18, 1938, Serial No. 202,660
6 Claims. (Cl. 64—21)

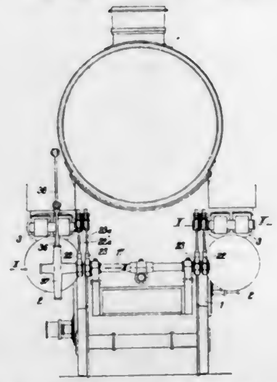


1. In a universal joint the combination of a pair of sockets, a shaft supported in each socket, said sockets having prongs with oppositely positioned concave spherical shaped ball races and balls positioned in each pair of oppositely positioned ball races.

2,149,353

REVERSING GEAR FOR STEAM ENGINES WITH POPPET VALVE GEAR, ESPECIALLY FOR LOCOMOTIVE AND MARINE STEAM ENGINES

Hugo Lentz, Berlin-Halensee, Germany
Application December 16, 1935, Serial No. 54,718
In Germany December 19, 1934
4 Claims. (Cl. 121—127)



1. A reversing gear for steam engines, especially for locomotive and marine steam engines with poppet valve gear with oscillating control cams, comprising in combination with the admission and exhaust valves, a shaft, a reversing element on said shaft having two differently oscillating control points adapted to actuate said admission and exhaust valves respectively, means for adjusting said element for different charges, the path of the control point for the admission valve being away farther from the centre of the shaft than the path of the control point for the exhaust valve, so that during the adjustment the angles of advance for the admission valve and the exhaust valve change so that the exhaust valve is held open longer as the charge increases.

2,149,354

METHOD OF TREATING MOLASSES AND RESULTING PRODUCT

George H. Lubarsky, New York, N. Y., assignor to Vitamol, Inc., New York, N. Y.
No Drawing. Application February 19, 1938, Serial No. 191,458
5 Claims. (Cl. 99—142)

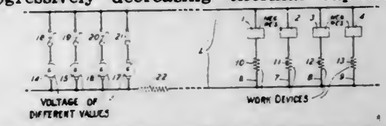
2. A method of treating cane sugar molasses containing non-crystallizable sugars and organic gums which consists in mixing said molasses with an amount of water sufficient to bring the specific gravity of the mixture to about 43° Bé., vigorously agitating the same in a homogenizer to disperse the water into the molasses, and mechanically breaking down said gums into small particles which remain dispersed in the solution and which form the inner phase of an emulsion, whereby a uniform solution of molasses and water is obtained.

2,149,355

SELECTIVE SYSTEM

Alexis A. Lundstrom, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1937, Serial No. 124,421
8 Claims. (Cl. 177—353)

5. The combination with a transmission line of a plurality of branches connected across said line in parallel relation, resistance elements, one in each branch, having negative temperature coefficients of resistance and critical points in their voltage-resistance characteristics, the successive elements having progressively increasing critical voltages and being of different sizes to give them progressively decreasing thermal capacities, a

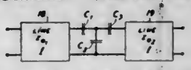


means for producing voltages of different values, and means for selectively applying said voltages to the transmission line to cause a desired one of said elements to reach its critical point and to assume a low-resistance value in advance of the other elements, the selected element on assuming its low-resistance value serving as a shunt for the other elements.

2,149,356

WAVE TRANSMISSION NETWORK

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 12, 1936, Serial No. 100,400
13 Claims. (Cl. 178—44)

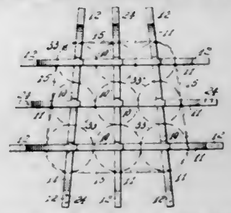


1. A four-terminal wave transmission network adapted to transmit freely a selected band of frequencies with a substantially uniform ratio of impedance transformation for coupling two loads having unequal impedances comprising two sections of uniform transmission line having equal lengths but different characteristic impedances disposed at respective ends of said network and means interposed between said sections and cooperating therewith to interconnect said sections without impedance mismatch, the length of said sections being not substantially greater than a quarter of the wave-length corresponding to the mean frequency of said band, and the ratio of the characteristic impedances of said sections being equal to the ratio of the impedances of said loads.

2,149,357

RESILIENT CHAIR SEAT

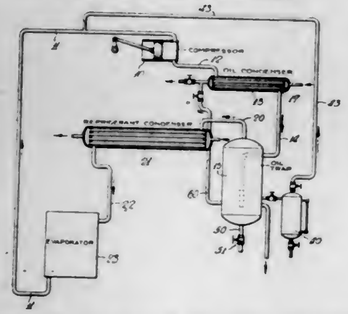
Max M. Mayer, New York, N. Y.
Application November 17, 1937, Serial No. 174,944
4 Claims. (Cl. 155—179)



1. In a resilient device adapted for chair seats, in combination, a supporting base comprising a plurality of parallel metallic strips and a plurality of diverging intersection metallic strips; a plurality of series of abutting coiled springs supported by said strips at their intersections, the coils of each series of springs being of less diameter than that of an adjacent series; a wire surrounding the upper periphery of said springs and at-

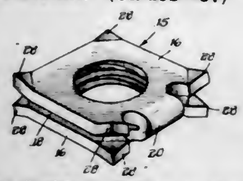
tached thereto, and means connecting the upper peripheries of said springs at their points of abutment.

2,149,358
REMOVAL OF OIL FROM REFRIGERATING SYSTEMS
Bruce De Haven Miller, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application November 6, 1937, Serial No. 173,151
7 Claims. (Cl. 62—115)



3. Means for removing oil from refrigerating systems, including a condenser receiving a warm oil gaseous refrigerant mixture under pressure and serving to condense said oil while cooling but not condensing the refrigerant gas, a pressure vessel having a bath of oil therein, means delivering the entire mixed contents of the condenser below the surface of said oil bath whereby the oil bath serves to agglomerate oil particles from said mixture and to filter oil from the gas, and means for delivering the removed oil and the filtered gas separately from said pressure vessel.

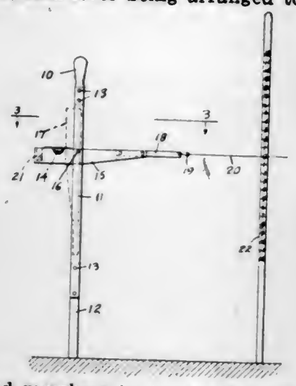
2,149,359
LOCK NUT
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application November 25, 1936, Serial No. 112,721
8 Claims. (Cl. 151—37)



3. A locking device including an apertured and folded sheet metal resilient body, thread follower means on said body in the vicinity of said aperture, and locking prongs flexed out of the plane of the body to provide work engaging teeth adapted to grip the work when said body is tightened with respect thereto.

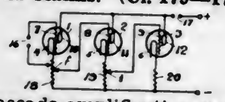
2,149,360
PORTABLE LINE LEVELING DEVICE
Herbert L. Prout, Elkhart, Ind.
Application October 1, 1937, Serial No. 166,843
1 Claim. (Cl. 33—207)

In a leveling device, a pair of elongated staff members in spaced substantially parallel relation, a lever pivotally mounted between said members, a spirit level mounted on said lever, and means for connecting a line to one end of said lever, said lever being arranged to fold be-



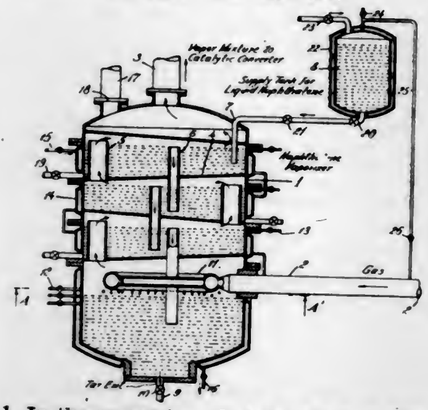
tween said members in inoperative position for transportation purposes.

2,149,361
DISCHARGE TUBE AMPLIFIER
Karl Rath, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Application January 21, 1931, Serial No. 510,296
11 Claims. (Cl. 179—171)



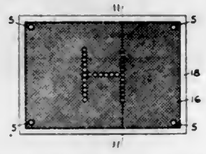
1. In a cascade amplification system, comprising a first valve and a second valve to be controlled by said first valve, each of said valves having a cathode, a control electrode and a plate and being connected to a common potential source substantially in parallel relationship, individual potentiometer means in series with each of the cathode leads of said valves and a direct current connection from the control electrode of said second valve to a tap point on the potentiometer in the cathode lead of said first valve.

2,149,362
PREPARATION OF NAPHTHALENE VAPOR MIXTURES FOR CATALYTIC OXIDATION
Riewen Riegler, Buffalo, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
Application May 27, 1936, Serial No. 82,028
6 Claims. (Cl. 260—342)



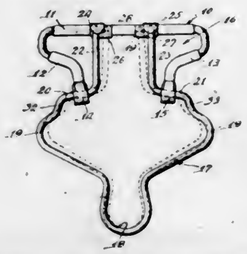
1. In the conversion of naphthalene to partial oxidation products by vapor phase catalytic oxidation involving the preparation of a vapor phase naphthalene mixture from an aeriform evaporating medium and naphthalene containing tar-forming constituents, the improvement which comprises bringing a stream of the evaporating medium into contact with naphthalene in liquid phase containing tar-forming constituents, and passing the resultant mixture of the evaporating medium and naphthalene vapors into contact with naphthalene in liquid phase containing tar-forming constituents in lower concentration than contained in the first-mentioned naphthalene.

2,149,363
ADVERTISING AND EDUCATIONAL DEVICE
Menahem Rivkin, New York, N. Y.
Application February 18, 1936, Serial No. 64,445
8 Claims. (Cl. 40—28)



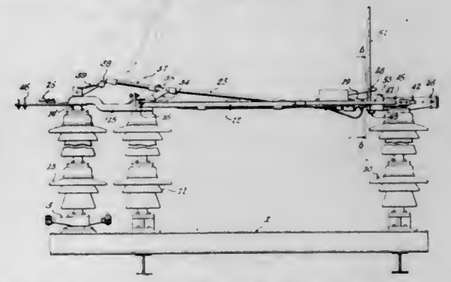
1. A device of the class described comprising two honeycombed members removably positioned in a frame in face to face position, whereby the apertures of one member coincide with the apertures of the second member, a solid screen removably positioned between said honeycombed members, the apertures of said members serving as guides for perforating said screen to produce a stencil having desired configurations on a solid background and means for exposing said stencil by removing the front honeycombed member.

2,149,364
BUCKLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application October 8, 1937, Serial No. 167,916
11 Claims. (Cl. 24—73)



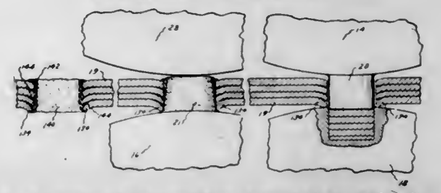
4. In a buckle, a member comprising a cross bar and a pair of arms having pivot loops, a second member pivotally mounted on said first member in said loops and including a pair of prongs movable between a position against and a position spaced from said cross bar as the members are pivoted relatively, and means on said cross bar for releasably enclosing the ends of said prongs to prevent casual relative movement of said members and to guard against accidental misuse of said prongs, said enclosing means having an overall thickness not exceeding the thickness of said cross bar.

2,149,365
SWITCH CONSTRUCTION
William O. Schultz, South Milwaukee, and Alwin G. Steinmayer, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application August 26, 1935, Serial No. 37,830
7 Claims. (Cl. 200—48)



7. A switch comprising a stationary contact, a main switch arm movable away from said stationary contact in one direction to switch-open position, an auxiliary switch arm carried by said main switch arm for engaging said contact and movable to a position at an angle to that of said main switch arm for switch-opening movement, a unitary operating means for first moving said auxiliary switch arm to an angular position with reference to said main switch arm and thereafter moving said main switch arm to open position, said operating means first moving said main switch arm towards switch-closed position and subsequently moving said auxiliary switch arm from its angular position to switch closed position into engagement with said stationary contact, automatic means for causing the sequential operation of said main and auxiliary switch arms, said automatic means including a latch for releasably locking said auxiliary switch arm to said main switch arm when said auxiliary switch arm is in its angular position and said main switch arm has moved from closed position.

2,149,366
METHOD AND APPARATUS FOR UNITING PRINTING WEBS
David J. Seaman and Howard H. Metcalf, Battle Creek, Mich., assignors, by direct and mesne assignments, to Seaman-Metcalf Incorporated, a corporation of Michigan
Application February 25, 1935, Serial No. 7,958
37 Claims. (Cl. 270—32)

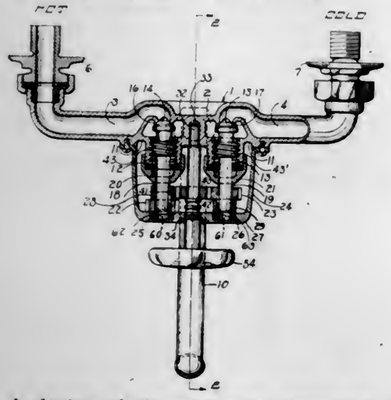


1. A method of uniting associated webs in a newspaper press or the like comprising the step of uniting longitudinally spaced portions of webs having a fold line region at press speed while in a superimposed state by forcibly penetrating the body of the webs with an adhesive applied to the webs in the region of the fold line.

35. The combination with means for guiding a doubled web along its course, of means for perforating the web and means for applying an ad-

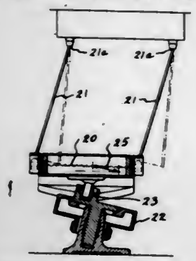
hesive to the edges of the perforation of the web at the time and at the points at which it is perforated.

2,149,367
VALVE STRUCTURE
Vincent Joseph Sedlon and Edward W. Pierie, Cleveland, Ohio
Application April 17, 1937, Serial No. 137,568
4 Claims. (Cl. 277—18)



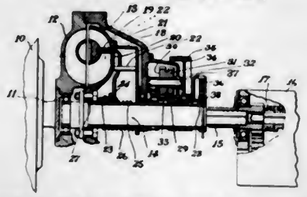
1. A device of the character described comprising a mixing chamber having a pair of inlet openings and an outlet opening, threaded valve members for said inlet openings, stems for said valves, a gear for each of said valves, a hood, the stems of said valves being slidably but nonrotatably keyed in said gears, and a single axially movable rotatable control member journaled in said hood having a gear adapted for individually engaging either of said gears or simultaneous engagement with said first mentioned gears for actuating said valves to individually or simultaneously open or close their respective inlet openings.

2,149,368
SIFTER
Lowe E. Simpson, Cincinnati, Ohio
Application November 12, 1935, Serial No. 49,365
1 Claim. (Cl. 209—332)



In combination a screen having a rectangular screen surface, means for feeding material to one end of the screen surface, said screening surface being supported to be inclined downwardly from the feed end and being supported in a horizontal plane in a direction laterally of the direction of inclination, means for imparting a gyratory motion to the feed end of the screen, said means comprising an element mounted for rotation, said element being mounted in a vertical plane transverse to the direction of feed and being inclined in said plane and an element constraining the screen surface to move in a plane normal to said element and means for rotating said element in such direction that the highest point to which the screen is moved is short of the furthest position to which the surface is moved in the direction of forward movement of material downwardly of said surface and means for constraining the movement of the discharge end of the table to a linear path.

2,149,369
POWER TRANSMISSION SYSTEM EMBODYING HYDRAULIC COUPLINGS
Harold Sinclair, London, England
Application March 18, 1937, Serial No. 131,584
In Great Britain March 24, 1936
16 Claims. (Cl. 60—54)



1. A power transmission system comprising a hydraulic coupling of the kinetic type having a rotatable vaned driving part and a rotatable vaned driven part, said parts co-operating to form a working circuit, control means movable within said circuit for throttling the circulation therein, and differential mechanism connecting together at least said control means, said driving part, and said driven part and serving to actuate said control means by the agency of part of the power applied to said coupling.

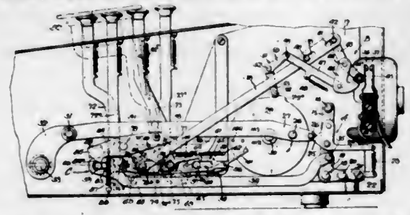
2,149,370
TREATMENT OF TITANIUM LIQUORS
Carlton E. Smith, Linthicum Heights, Md., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application January 9, 1936, Serial No. 58,257
6 Claims. (Cl. 23—202)

1. A process for hydrolyzing a titanium salt solution to increase the yields of TiO_2 obtainable therefrom, comprising increasing the hydrolysis of tetravalent titanium present by oxidizing excess trivalent titanium present in said solution to a concentration of substantially 0.2% to 0.5% of the total titanium present by adding to said solution a relatively small amount of a water-insoluble ferric compound from the group consisting of ferric oxide and calcined ferrous sulfate, and subjecting the resultant solution to hydrolysis.

2,149,371
CONTROL MECHANISM
George J. Uhlig, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application August 17, 1936, Serial No. 96,495
11 Claims. (Cl. 235—62)

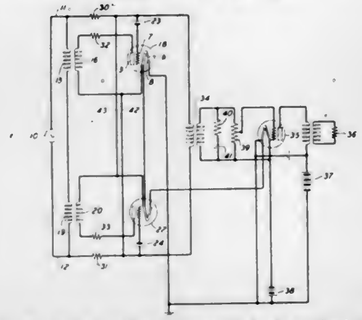
1. A control mechanism of the character described, comprising, a slide carried for reciprocating movements, a bell-crank adapted to be moved by said slide, a rockable member adapted to move said bell-crank independently of said slide, operative connections arranged for movement with said bell-crank, and depressible means operatively connected to the slide and rockable member for effecting independent movements

thereof, and means on said slide and rockable



member rendering one inoperative during the movements of the other.

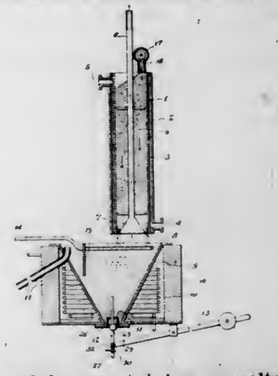
2,149,372
VOLTAGE LIMITER
Henry E. Vaughan, Valley Stream, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1938, Serial No. 201,714
2 Claims. (Cl. 179—78)



1. In an alternating current transmission system including in combination means for protecting the system from excessive voltages of either polarity comprising a pair of gaseous discharge devices each having a cathode, anode and control electrode and connected in the system such that the control electrodes and cathodes provide bridging paths of opposite polarity for shunting excess current across the system when discharge therein is instituted by an adequate voltage impressed on the respective anodes and cathodes, a circuit connected in shunt of the system for receiving a voltage therefrom, means for coupling the circuit to the anode and cathode of each gaseous device to apply thereto a higher voltage than is received from the system so as to institute discharge in one or in both gaseous devices as the voltage in the system rises above a normal value; means included in the bridging paths and responsive to the current flowing therein for supplying voltage to the circuit and thereby to the coupling means to maintain discharge in one or in both gaseous devices so long as the voltage in the system continues in excess of a normal value.

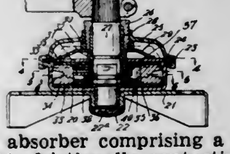
2,149,373
MELTING AND PURIFYING SULPHUR
Gordon G. Vincent and Arthur Cook, Hamilton, Ontario, Canada, assignors to E. I. du Pont de Nemours & Co., Inc., Wilmington, Del., a corporation of Delaware
Application January 25, 1937, Serial No. 122,171
4 Claims. (Cl. 23—280)

3. Apparatus for the purification of sulphur comprising a vertical cylindrical vessel surrounded by a jacket adapted to containing heating fluid at temperatures above the melting point of sulphur, the lower end of said cylindrical vessel being provided with a closure consisting of a hollow cone the apex of which is connected with a tube extending vertically thru said vessel and centrally located about the axis thereof, said closure being adapted to retain within said vessel unmelted sulphur but to permit the passage therefrom



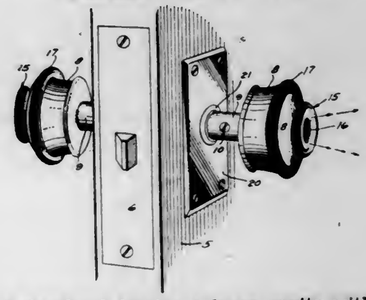
of molten sulphur containing unmelted impurities, a receiving vessel in the form of an inverted cone below the said cylindrical vessel, heating means for the said receiving vessel, an outlet near the bottom of the cone for withdrawing impurities, and an outlet near the top of the cone for the removal of purified molten sulphur.

2,149,374
SHOCK ABSORBER
Samuel K. Wellman, Cleveland Heights, Ohio
Application April 11, 1935, Serial No. 15,844
24 Claims. (Cl. 188—130)



1. A shock absorber comprising a casing, relatively movable frictionally contacting members arranged therein, and means for causing relative movement between said members, one of said members having a low coefficient of friction and comprising finely powdered metal and graphite compressed and sintered.

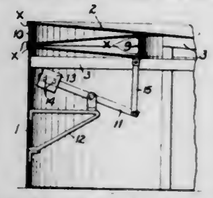
2,149,375
DOORKNOB
Harry H. Wiebe, Minneapolis, Minn.
Application October 20, 1937, Serial No. 170,066
4 Claims. (Cl. 292—347)



1. A doorknob having a large cavity with contracted entrance passage, a soft rubber-like body

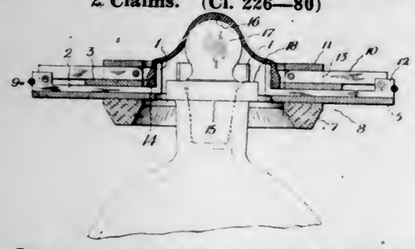
forced into and filling said cavity with a portion thereof projecting outward through said entrance passage, and a clamping device applied diametrically through said body axially of said entrance passage and applying distorting force to said body and causing the outer portion of the latter to spread and form an annular buffer flange at the exterior of the knob.

2,149,376
GAS AND/OR LIQUID STORAGE APPARATUS
John H. Wiggins, Chicago, Ill.
Application October 21, 1937, Serial No. 170,201
16 Claims. (Cl. 220—1)



1. A gas and/or liquid storage apparatus, consisting of a stationary lower portion, a metal roof for said lower portion and a metal bellows structure that joins said roof to said lower portion and permits said roof to rise bodily relatively to said lower portion due to an increase in the internal pressure of the gas space of the apparatus, said bellows structure comprising a plurality of superimposed substantially flat rings or washer-shaped elements combined in such a way that adjacent elements slope oppositely to each other when the bellows structure is contracted.

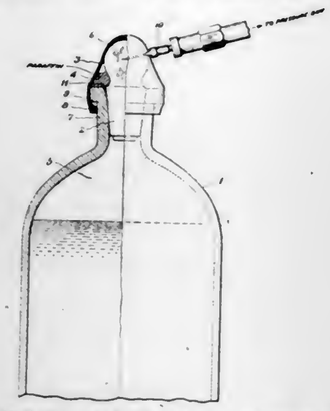
2,149,377
APPARATUS FOR CAPPING BOTTLES
Edward N. Winslow, Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 1, 1937, Serial No. 134,284
2 Claims. (Cl. 226—80)



1. In an apparatus for expanding an elastic cap for application to a cylindrical body, a plurality of circularly arranged upright fingers projecting rigidly from the inner end of a plurality of slides confined to radial movement by radial guides, a top plate axially movable with respect to said guides and means connecting the outer end of said slides with said top plate to transmit axial movement of said top plate into radial movement of said slides.

2,149,378
PROCESS OF PACKAGING
Edward N. Winslow, Shaker Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 1, 1937, Serial No. 134,285
5 Claims. (Cl. 226—80)

1. In the production of a package comprising a stoppered container, a cap about the stopper and engaging the container to form a confined space about the juncture of the stopper and the container, and a normally solid sealing medium within the confines of the cap to seal said juncture, the process for sealing the juncture of the stopper and the container which comprises ap-



plying the cap and thereafter piercing the cap and injecting the sealing medium in its liquid state thru the puncture into the confines of the cap, whereby the sealing medium flows about the juncture of the stopper and the container and solidifies under the confining action of the cap.

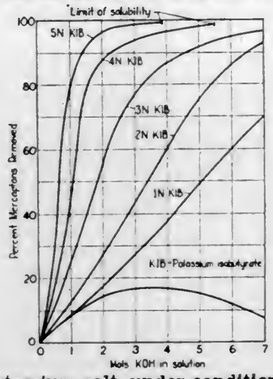
2,149,379
PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON SOLUTIONS
David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 2, 1937, Serial No. 118,920
7 Claims. (Cl. 196—32)

1. In the process of separating organic acid-reacting substances contained in a water-insoluble neutral or basic organic liquid the steps comprising treating said liquid with an aqueous solution of a strong alkaline base containing a substantial amount of dissolved salt of a fatty acid having from 3 to 5 carbon atoms under conditions to absorb at least a portion of said acid-reacting substances in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid-reacting substances and the other consisting essentially of the treated organic liquid, and separating the layers.

2,149,380
PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON SOLUTIONS
David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 15, 1938, Serial No. 196,002
10 Claims. (Cl. 196—30)

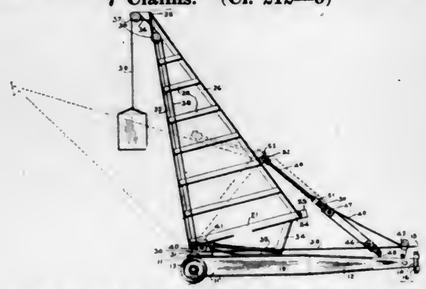
1. In a process of separating organic acids substantially insoluble in water and having dissociation constants below about 10^{-5} from an organic water-insoluble liquid in which they are dissolved and which is substantially inert toward aqueous strong bases under the conditions of the process,

by extraction with an aqueous solution of a strong base, the improvement comprising extracting said organic liquid with an aqueous solution of a strong base containing dissolved a substantial amount of a potassium salt of a fatty acid having from 1 to 6 carbon atoms per molecule, the alkalinity of the solution being in excess of that



of said potassium salt, under conditions to absorb at least a portion of said organic acids in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed organic acids, and the other consisting essentially of the organic liquid, and separating the layers.

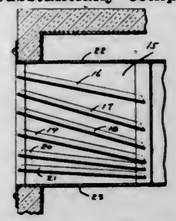
2,149,381
CRANE
Lewis G. Young, Sherman, Conn.
Application February 15, 1937, Serial No. 125,738
7 Claims. (Cl. 212—8)



1. In a crane, an upwardly extending boom comprising a triangular base having a bar extending upwardly from each corner and converging together above said base, the base and the front of said boom being in the form of isosceles triangles and the sides being in the form of right angle triangles, a horizontal support for said boom and to which one side of said base is hinged, and a support engaging member depending from said base to engage said support between the hinged side of said base and its apex and to space the base from said support to maintain the front of said boom in a tilted position.

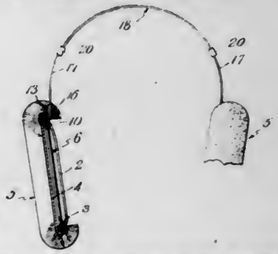
2,149,382
AIR DISTRIBUTOR
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application August 30, 1935, Serial No. 38,547
Renewed July 30, 1938
4 Claims. (Cl. 98—13)

1. Air distributing means for a passenger vehicle for use with an air conditioning unit extending substantially completely crosswise the interior of said vehicle from one longitudinal side to the other longitudinal side thereof and above the passenger space, comprising means forming a discharge outlet opening extending substantially completely crosswise one end of said unit, means forming a plurality of converging passages with different degrees of convergence in said outlet extending substantially completely crosswise



same for dividing the conditioned air discharged therefrom into a plurality of superimposed layers, and for increasing the velocity in each layer, and means forming a plurality of diverging passages with different degrees of divergence in said outlet and extending substantially completely crosswise same for dividing the conditioned air discharged therefrom into a plurality of superimposed layers and for decreasing the velocity of the air discharged from said unit in said last mentioned layers.

2,149,383
EAR MUFF
George G. Bean, Boston, Mass.
Application May 26, 1937, Serial No. 144,799
4 Claims. (Cl. 2—209)

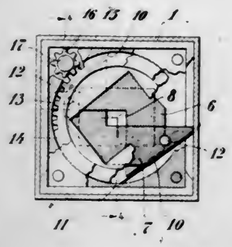


1. The combination comprising a pair of earmuffs, oval supports on which the muffs are detachably mounted, and a curved connector secured to said supports and adapted to extend over the head of the wearer, each of said earmuffs being formed from a flexible sheet with an elastic element extending along its edge and yieldably drawing the marginal portions of the sheet inwardly to fit over the edge of the corresponding oval support, the elastic element being stretchable to permit the detachment of the muff from the corresponding support.

2,149,384
VIEW FINDER FOR PHOTOGRAPHIC CAMERAS
Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application April 21, 1937, Serial No. 138,101
In Germany April 25, 1936
1 Claim. (Cl. 88—1.5)

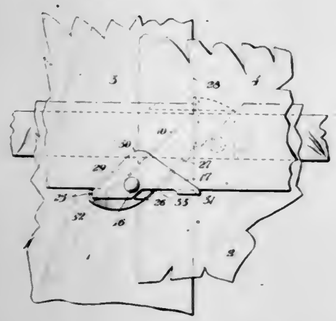
A photographic view finder comprising a casing, an optical view finder system within the casing, movable mask members in said system for

rectangularly framing the field of view, a toothed rotatable ring operatively connected to the mask members to move and adjust the same to frame the field of view, an ocular in said optical system, a rotatable mounting for said ocular, a pin in said view finder in fixed relation to the optical axis of the view finder, a scale on said mounting indicating the extent of its rotation with relation



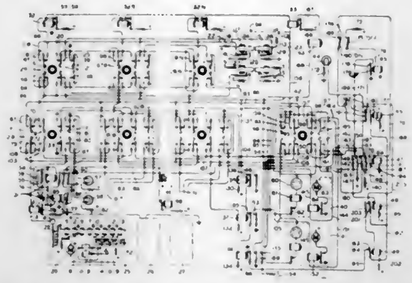
to said fixed pin whereby to adjust the said mask members to frame the field of view in accordance with the focal length of a camera objective with which said view finder is used, a toothed segment secured to the ocular mounting, a shaft and pinions on said shaft in mesh with the said segment and toothed ring for operating the latter when the said ocular mounting is rotated.

2,149,385
PANE FASTENER
Adolf Bendele, Dusseldorf-Oberkassel, Germany
Application June 3, 1936, Serial No. 83,313
In Germany November 1, 1934
4 Claims. (Cl. 108—10)



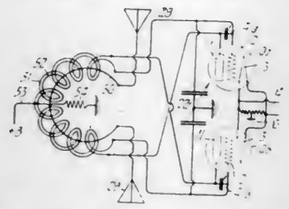
1. A pane fastener for four superimposed glass plates, two of which extend in a single plane with their mating corners cut away at an angle to their edges and arranged in parallel and spaced relation to each other, comprising a flange for engaging the top of a purlin, a lug for engaging its upper side, a web arranged at an angle to the flange spaced from the lug for the thickness of a pane and adapted to enter the space between the said cut-away corners, the thickness of the web being less than that of a pane, a rib at the lower edge of the web, the depth of the rib plus the thickness of the web being equal to the thickness of a pane, a pair of spaced projections arranged on the lower end of the web for supporting, respectively, one of the panes which are in a single plane and the uppermost pane, a pane-holding plate, and means for holding the plate against the uppermost pane.

2,149,386
INTERCOMMUNICATING AND BROADCASTING SWITCHBOARD
Abraham S. Benjamin, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application April 2, 1936, Serial No. 72,272
13 Claims. (Cl. 178—2)



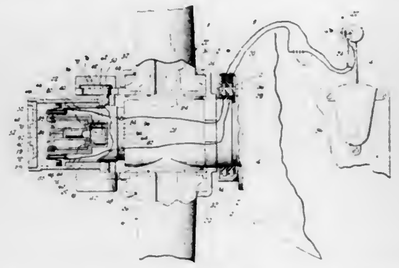
1. In a telegraph exchange system, a central station, a plurality of telegraph lines radiating from said central station, a plurality of telegraph sets on each of said lines, means associated with each set responsive to signals for connecting selectively any of the sets of their lines for intercommunication independently of said central station, means at said central station for connecting said lines for intercommunication between selected sets of said interconnected lines, a broadcasting set at said central station, means at the central station for rendering each telegraph set on each line and said broadcasting set effective, and means for preventing any set of any of said lines from signaling the central station during broadcasting operation.

2,149,387
ELECTRON RELAY APPARATUS
Elmer L. Brown, San Francisco, Calif., assignor to Edward C. Baxley, San Francisco, Calif.; Grace A. Baxley guardian of said Edward C. Baxley, insane
Application May 20, 1936, Serial No. 80,685
3 Claims. (Cl. 250—36)



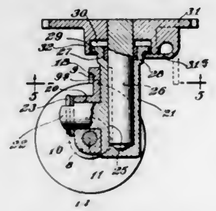
1. In high frequency electrical apparatus, electron relay means including at least two anodes, two control elements, an electron emission means, and means forming mutually inductively coupled control and anode circuits for said relay means, said last means comprising a pair of conductors coiled in relatively close coextensive relationship and shaped to conform to a toroid, a set of lead connections between the terminals of one conductor and said anodes, another set of lead connections between the terminals of the other conductor and said control elements, one set of said leads being crossed, an electrical connection from a source of anode potential to the electrical midpoint of said one conductor, the other side of said source of anode potential being electrically connected to the electron emission means, an electrical connection from a source of biasing potential to the electrical mid-point of said other conductor, and an electrical connection between the said last named source of biasing potential and said electron emission means.

2,149,388
CONTROLLABLE PITCH PROPELLER
Frank W. Caldwell, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 1, 1935, Serial No. 43,006
3 Claims. (Cl. 170—163)



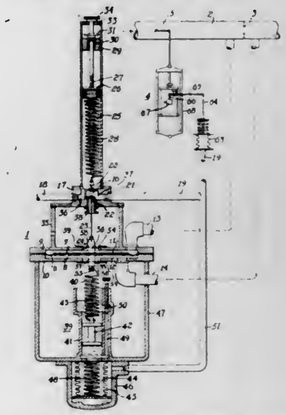
1. In a controllable pitch propeller, a rotatable hub, a plurality of propeller blades mounted on said hub for rotational adjustment about their respective axes, centrifugal means for adjusting the pitch angle of said blades in one direction, hydraulic means carried by said hub for adjusting the pitch angle of said blades in the opposite direction, means for supplying fluid under pressure to said hydraulic means from a fluid pressure source remote from said propeller, a solenoid actuated valve carried by said hub operative to interrupt the flow of fluid to and from said hydraulic means, and a remote control means for energizing said solenoid comprising, a pair of contact rings on said hub, fixed brushes mounted adjacent to said hub to slide on said rings, a source of electrical energy, a manually operable switch, and electrical connections between said solenoid and said rings and between said brushes said source of electrical energy and said switch.

2,149,389
CASTER
John S. Cantelo, East Cambridge, Mass.
Application August 23, 1935, Serial No. 37,541
4 Claims. (Cl. 16—47)



1. A caster comprising a pair of wheels, a bearing member on which said wheels are mounted, a pivot sleeve having a lateral projection on which said bearing member is pivoted, and means to pivotally support said pivot sleeve, said sleeve and bearing member having associated flat bearing surfaces providing extended bearing contact between said parts both above and below said lateral projection.

2,149,390
PRESSURE REGULATING DEVICE
Robert R. Donaldson, Jr., Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa.
Application April 3, 1935, Serial No. 14,468
Renewed May 13, 1936
16 Claims. (Cl. 50—10)

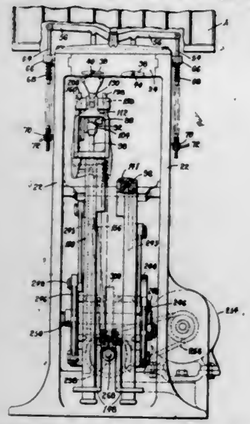


1. A pressure sensitive device for controlling the operation of a pressure regulator disposed to maintain a substantially constant pressure condition in a duct or conduit, said device comprising a diaphragm connected to respond to changes in the pressure condition, a spring and a link connecting the spring to one side of the diaphragm, a dashpot having a piston yieldingly connected to the other side of the diaphragm, the dashpot having a fluid therein, a valve body having an inlet connected to a source of fluid pressure, an exhaust port and an outlet port, the link passing through said inlet and exhaust port, said outlet being disposed for connection to said pressure regulator, a valve member carried by said link in position to throttle either the inlet or exhaust port in accordance with the pressure acting on the diaphragm, a pressure connection between the outlet port and dashpot and means acted on by said pressure for varying the pressure on the fluid in the dashpot in such direction as to cause the piston to return the diaphragm to a predetermined position.

2,149,391
MACHINE FOR PRESSING SOLES ON THE BOTTOMS OF SHOES
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 4, 1937, Serial No. 167,171
29 Claims. (Cl. 12—36)

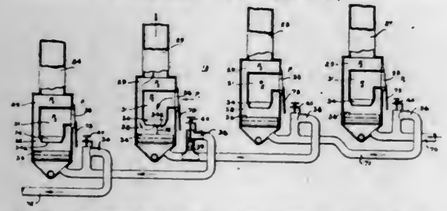
1. In a machine for pressing soles on the bottoms of shoes, the combination with sole pressing means, of means for supporting a shoe and its last bottom upward for the sole pressing operation, means for positioning each shoe and last on said supporting means in substantially the same relation lengthwise and widthwise to said sole pressing means and for determining the lengthwise position of an unattached sole with

respect to the bottom of the shoe, and separate



means for positioning the sole at the forepart laterally of the sole pressing means.

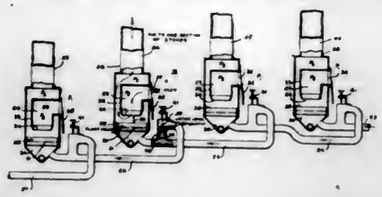
2,149,392
FLOW CONTROL APPARATUS FOR GASEOUS MEDIA
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1936, Serial No. 84,405
7 Claims. (Cl. 137—78)



1. In apparatus for controlling the flow of gaseous medium from a first region maintained under suitable pressure to a second region of variable flow resistance, a duct construction for discharging gaseous medium into the second region, an orifice for admitting gaseous medium from the first region to the duct construction, a throttle having its flow area in the flow path of the duct construction between the orifice and the second region, said throttle including a downwardly-directed nozzle supplied with gaseous medium from the orifice and means for maintaining liquid at a level below the discharge end of the nozzle to provide a throttle area, and means responsive to change in flow rate through the orifice pursuant to change in flow resistance of said second region to vary the liquid level of the throttle so as to change the throttle area in a direction to compensate substantially for the change in flow resistance of the second region and to minimize change in orifice flow rate.

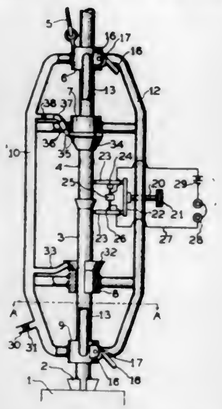
2,149,393
COMBUSTION CONTROL
Robert A. Foresman, Prospect Park, and Donald J. Mosshart, Springfield, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1936, Serial No. 87,138
8 Claims. (Cl. 137—78)

2. In apparatus for supplying air to a flow-resisting bed, means providing an air box supplied with air under suitable pressure, an air chamber, a duct for supplying air from the chamber to the bed, means providing a manometric body of liquid with one leg portion subject to the air pressure in the chamber and the other leg portion



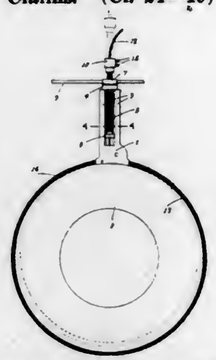
subject to air pressure of the box, an orifice for admitting air from the box to the chamber, and means providing a throttle controlling the flow of air from the chamber to the bed, said last-named means including a float which is moved by changes in liquid level of the leg subject to chamber pressure to vary the throttle flow area.

2,149,394
ALIGNING DEVICE FOR WELDING CASINGS
John R. Gardner, Alvin, Tex.
Application December 27, 1937, Serial No. 181,967
2 Claims. (Cl. 219—18)



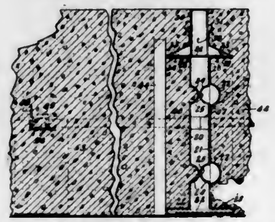
1. An aligning device for tubular members to be welded together in a vertical position comprising a plurality of clamping members adapted to be clamped on said tubular members and opened for removal therefrom, each of said clamping members being so constructed as to be concentric with the tubular member with which it is clamped, a plurality of rigid supporting members spaced radially from said clamping members and rigidly connected thereto for holding them, when closed, in fixed, spaced, coaxial relation for engagement with both of said tubular members simultaneously with the junction of said tubular members intermediate said clamping members, said supporting members being of such a configuration as to provide a free working space completely around said junction whereby the weld may be completed while the clamping members are in clamped position, and means including a latch, for closing said clamping members so constructed as to be operative only when said members are in fully closed position.

2,149,395
TIRE CONTRACTING TOOL
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application March 15, 1938, Serial No. 195,990
7 Claims. (Cl. 24—19)



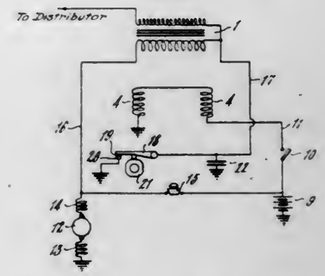
3. A tire contracting tool comprising a body adapted at one end to engage against a tire on the exterior periphery thereof, a length of cable to extend about a tire, means anchoring one end of the cable on the body adjacent said end and on one side thereof, a pulley mounted in the body adjacent said end and on the opposite side thereof and about which the cable passes from the corresponding end of the loop, a jack screw mounted in the body tangent to the pulley, away from the tire engaging end of the body, means to advance the screw outwardly relative to said end of the body, and means to clamp the cable beyond the pulley to said screw.

2,149,396
JOINT CONSTRUCTION FOR CONCRETE ROADS
Samuel Klein, Chicago, Ill., assignor to National Road Joint Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 20, 1934, Serial No. 758,458
11 Claims. (Cl. 94—18)



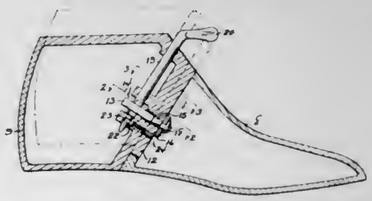
1. A transverse expansion joint form for concrete roads and comprising a pair of walls disposed in parallel spaced adjacency, means associated with the walls for forming a mastic road surface joint and for maintaining clear the space between the walls below said joint, and means for forming an end joint contiguous with said road surface joint, the end joint means comprising a pair of vertical opposed groove members adjacent the ends of said walls, a plate receivable in the grooves of said groove members and closing the space between said walls at their ends for precluding entry of foreign material past said plate into said space, and an end joint form adapted to be received between the extreme ends of the walls in contact against said plate.

2,149,397
ELECTRIC IGNITION SYSTEM
Ludvig P. Kongsted, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application January 23, 1937, Serial No. 121,932
3 Claims. (Cl. 123—148)



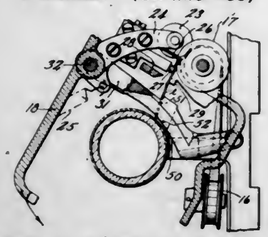
1. In ignition apparatus for an internal combustion engine, means for successively providing battery ignition and magneto ignition for said engine comprising a magneto having a primary winding and a secondary winding, a circuit permanently maintaining one end of said windings at a common potential, a battery, means including a switch for conducting interrupted battery current through said primary winding and deriving battery ignition current from said secondary winding, exciting windings on the stator member of said magneto and having one end thereof permanently connected to ground, a connection between said battery and said exciting windings including a switch independent of said first mentioned switch for energizing said exciting windings during both successive periods of battery and magneto ignition, a rotatable flux distributor in said magneto, and means for conducting interrupted magneto-electric current through said primary winding and deriving magneto ignition current from said secondary winding.

2,149,398
LAST
Victor Levaggi, Jr., Brockton, Mass., assignor to United Last Company, Portland, Maine, a corporation of Maine
Application April 28, 1936, Serial No. 76,857
3 Claims. (Cl. 12—134)



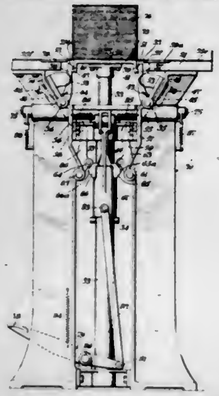
1. A last comprising forepart and heel portions mounted to slide on each other between extended and collapsed positions, locking and releasing means comprising a key rotatably mounted in one of said portions, and a bonding member connecting said key and the other portion, said key being constructed and arranged to move said bonding member transversely of the axis about which said key is rotated thereby to lock and release said portions.

2,149,399
BOTTLE HOODING MACHINE
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application January 14, 1937, Serial No. 120,513
8 Claims. (Cl. 226—83)



1. A device for applying a binding tape to a hood on the neck of a bottle comprising means for preheating the tape progressively and heated means for applying the preheated tape circumferentially around the hood.

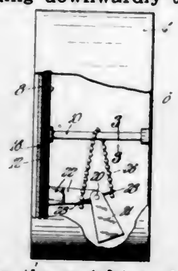
2,149,400
PACKAGING MACHINE
Jacob Mazer, Rockville Centre, N. Y.
Application July 3, 1937, Serial No. 151,889
8 Claims. (Cl. 93—2)



1. In a packaging machine for forming a box of cardboard or other semi-rigid material about an article, a table for supporting a box blank scored and slitted to define portions thereof adapted to form the walls of the box, a vertically movable platform normally substantially in the plane of the table and adapted to underlie and support one of said portions of the blank and the said article placed thereon, said platform being movable to a final position below the level of the table, abutments on the table adjacent said platform for operatively engaging contiguous portions of the blank to swing them upwardly about adjacent scorings and against said article during the downward movement of the platform, retaining means for holding the platform carrying the article with the partly formed box in its said final position, means for successively swinging the remaining portions of the blank about adjacent scorings and against the article, and means for returning said platform to its normal position.

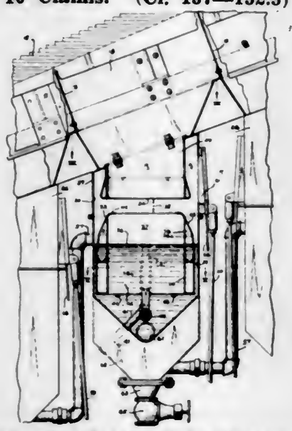
2,149,401
INCLINOMETER
Herman A. Mason, Springfield, Mass.
Application May 10, 1938, Serial No. 207,120
2 Claims. (Cl. 33—215)

1. In a device of the character described, a casing having spaced front and rear wall members, a rotatable pointer shaft having its opposite ends journalled in said wall members, a bracket disposed below said shaft and extending from one wall member towards the other, a weight pivoted to said bracket on an axis which is transverse to the axis of said pointer shaft for swinging back and forth below the pointer shaft in planes which are parallel to the longitudinal axis of the pointer shaft, a flexible member having an intermediate portion looped over said pointer shaft and end portions depending downwardly therefrom, con-



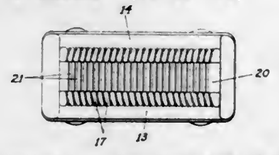
nections between the weight and said end portions at opposite sides of the pivotal axis of the weight, and means associated with said pointer shaft fixing the looped portion of the flexible member relative to the pointer shaft, all adapted and arranged whereby movement of said weight towards the rear wall member moves one of said connections downwardly to cause rotation of the pointer shaft in one direction while movement of said weight towards the front wall member moves the other of said connections downwardly to cause rotation of the pointer shaft in an opposite direction.

2,149,402
AIR CONTROL DEVICE FOR COMBUSTION APPARATUS
Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1936, Serial No. 85,861
10 Claims. (Cl. 137—152.5)



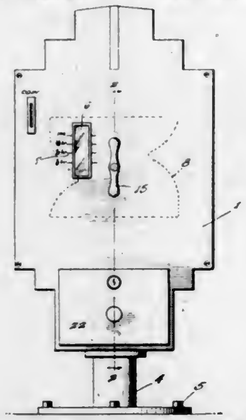
1. In apparatus for supplying gaseous medium for passage through a region of variable flow resistance, means providing an enclosed space supplied with gaseous medium under pressure, means providing a chamber with a body of liquid therein and having an orifice for supplying gaseous medium from said space to the interior of the chamber above the liquid, a duct for supplying gaseous medium from the chamber to the region, a throttle providing a variable throttle area for controlling flow through said duct and including a movable aggregate, said movable aggregate including an inverted bell having its lower portion submerged in said liquid and having its upper portion extending above the liquid to provide an upper pressure area subject to the pressure of gaseous medium in the chamber and a lower pressure area sealed from the upper area by the liquid, and means providing for the application of gaseous medium under the pressure existing in said space to said lower pressure area.

2,149,403
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 25, 1937, Serial No. 122,127
9 Claims. (Cl. 30—43)



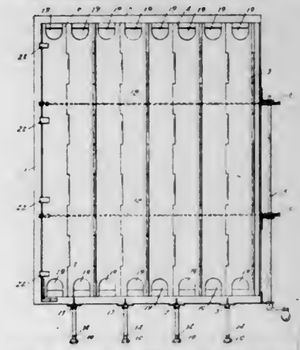
3. An implement of the class described, including a rocking cutter having oppositely disposed edges, and a stationary member having co-operating shearing edges located on opposite sides of the cutter and interrupted by grooves extending at an inclination thereto through which hairs may move into positions at the shearing edges.

2,149,404
REVERSIBLE HOUR GLASS INDICATOR
Stephen G. Pennington, Oklahoma City, Okla., assignor to Lulah Darley, Jackson, Miss.
Application March 2, 1936, Serial No. 66,705
7 Claims. (Cl. 161—15)



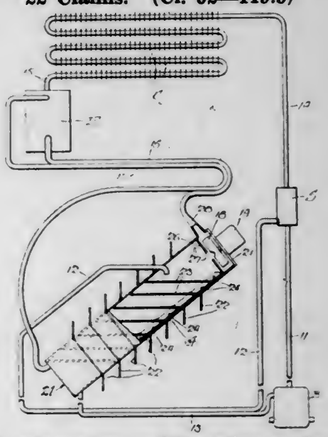
3. In a device of the class described, a casing having hour glasses, one of said hour glasses being inverted with respect to the other and both of said hour glasses having diagonally disposed hoppers and receptacles, discharge openings connecting each of said hoppers with its corresponding receptacle, said receptacles and hoppers respectively being additionally connected by relatively large openings, and a substance carried within said hour glasses, said substance being adapted to flow through the discharge opening of one of said glasses for indicating time passage and being adapted to flow through the relatively large openings as the casing is partially rotated for simultaneously refilling the hopper for a further time passage indication and setting the hopper of said other hour glass in position for permitting time passage indicating flow, the interior of said hour glasses being evacuated.

2,149,405
MACHINE FOR CREASING CURTAINS AND THE LIKE
Alfred C. Probst, Erie, Pa.
Application October 1, 1938, Serial No. 232,894
8 Claims. (Cl. 270—61)



1. In a machine for folding and creasing fabric, in combination, interconnected foldable members, means for disposing a fabric on said foldable members, means for raising each foldable member initially to a partially folded position, and means for disposing said foldable members in a folded position whereby said fabric may be removed from said foldable members in a folded position.

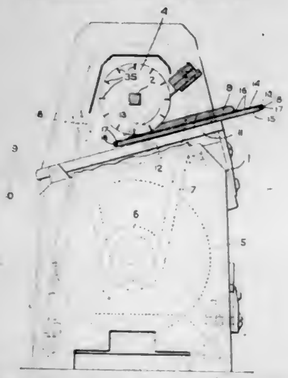
2,149,406
ABSORBER FOR REFRIGERATING SYSTEMS
Arnold D. Siedle, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 9, 1935, Serial No. 10,159
22 Claims. (Cl. 62—119.5)



16. An absorption refrigerating system comprising an absorption solution circuit including a boiler and an absorber, means for circulating

the solution from the boiler to the upper portion of said absorber whereby the solution may flow downwardly through said absorber, a pressure equalizing medium circuit including an evaporator and said absorber, means for supplying vapor generated in said boiler to said evaporator in liquid phase, means for circulating the pressure equalizing medium through said pressure equalizing medium circuit in a direction to flow upwardly through said absorber, said absorber comprising a vessel disposed in an inclined position, means fixed in said vessel for bringing the pressure equalizing medium and absorption solution flowing therethrough into intimate contact, and means for air cooling said vessel.

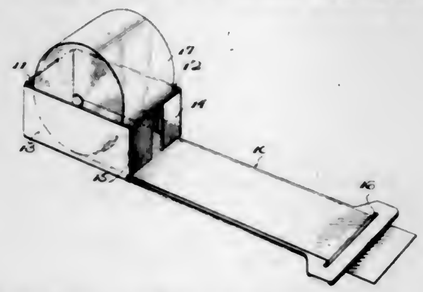
2,149,407
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass.
Application October 22, 1936, Serial No. 106,933
2 Claims. (Cl. 17—27)



1. A meat-supporting plate for a meat-slitting machine presenting on one side a smooth nonperforated face free from projections and adapted to have a free sliding movement over a supporting member of the slitting machine thereby to carry a slice of meat beneath the knives, the other side of said plate constituting a meat-supporting surface and being provided with a plurality of relatively small pockets into which the meat supported on the plate enters more or less, thereby increasing the frictional engagement of the meat with the plate, said plate comprising two members in superposed contacting relation, one of said members having an open-ended channel in each of two opposite edges and the other member having ribs slidably received in said channels whereby said members may be assembled or dissembled by sliding one on the other, one of said members being nonperforated and providing the smooth nonperforated face, and the other member being perforated and the perforations thereof providing the meat-engaging pockets.

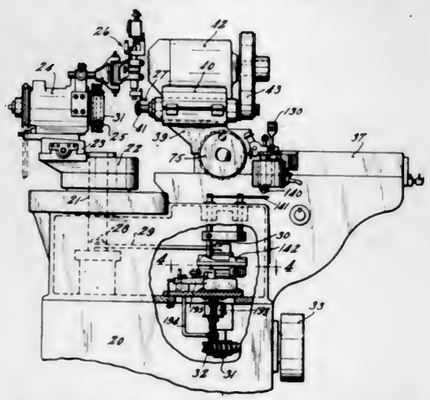
2,149,408
MEMORANDUM DEVICE
Robert A. Stevenson, Lancaster, Ohio
Application March 9, 1938, Serial No. 194,840
2 Claims. (Cl. 281—6)

1. A memorandum device including a body portion formed from an integral blank, said body portion comprising a sheet provided at its longitudinal edges with wing portions integral therewith and bent upwardly at substantially a right angle to the sheet to provide substantially vertical sides, said sheet being provided at one end with an extension integral therewith and bent at substantially a right angle to the sheet to provide an upstanding end, the wing portions being provided at their ends remote from the first named extension with guide extensions integral therewith and bent at substantially a right angle to the wing portions, the guide extensions being narrower than the wing portions, the assembled sides, end, and guide extensions forming a box



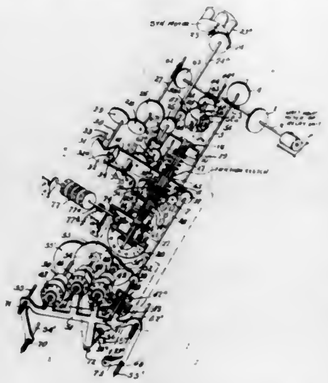
for receiving a roll of paper ribbon, the lower edges of the guide extensions being spaced from the sheet to form a passage for the paper ribbon, the passage being below the center of the paper roll and forming a guide for the paper ribbon so that a pull on the paper ribbon tends to pull the paper roll downwardly in the box, said sheet being provided near its free end remote from the box with paper ribbon holding and guiding means.

2,149,409
OSCILLATING GRINDER
Frederick D. Van Norman, Byron F. Stowell, and Roger S. Pyne, Springfield, Mass., assignors to Van Norman Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application August 12, 1936, Serial No. 95,514
31 Claims. (Cl. 51—97)



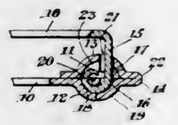
1. A grinding machine comprising a base, a work carrier mounted on the base, a wheel carrier slidably mounted on the base for movement in a two directional path into or out of operative relationship to the work carrier, an electric motor, mechanical connections between the motor and the wheel carrier whereby rotation of the motor carries the wheel carrier through said two directional path, and automatically operating means for stopping the operation of said motor when movement through said two directional path has been completed.

2,149,410
DEMAND METER
Morris Weisman, Brooklyn, N. Y.
Application May 26, 1937, Serial No. 144,823
12 Claims. (Cl. 171—34)



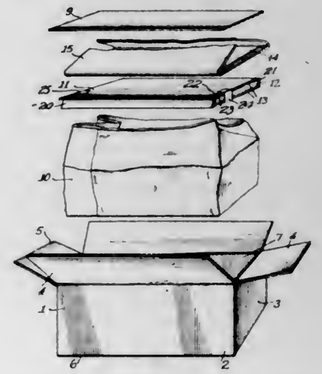
4. In a maximum demand meter, a demand dial movably mounted, means for rotating said demand dial from its normal position, a prime driving means and transmission mechanism for advancing said means and including a clutch, means for simultaneously rendering said clutch inoperative and resetting said first-mentioned means independently of said dial, an accumulative cyclometer demand register, and means for resetting said demand dial and simultaneously adding said maximum demand to the accumulated amount on said demand register.

2,149,411
TAMPERPROOF EAR TAG
Douglas W. Ashton, Ottawa, Ontario, Canada, assignor to J. O. Ker, Ottawa, Ontario, Canada
Application December 13, 1937, Serial No. 179,598
3 Claims. (Cl. 40—3)



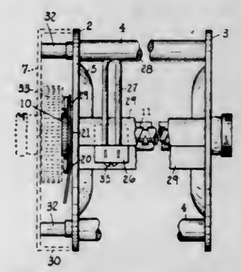
1. A tamper-proof marking tag comprising a strip of material adapted to be bent upon itself, formed with a tapered locking tongue at one end and with a main housing and an auxiliary housing at the opposite end and adjacent to each other, said main housing having an opening accessible from one side of the strip through which the tongue may be projected, said tongue being normally bent substantially at right angles to the strip and positioned above and projecting towards said main housing, the latter having a sloped wall to deform said tongue when engaged thereby, said strip having a locking bar extending across the opening to the said main housing around which said tongue may curl when deformed, said strip being bent intermediate the main and auxiliary housings so that the latter overlies the former, said auxiliary housing having a slot therein permitting the locking tongue to pass therethrough into the main housing, the said main and auxiliary housings together wholly encasing so as substantially to seal the locking bar and curled portion of the tongue when the tag is clinched.

2,149,412
CONTAINER
Ralph L. Bangs, Wakefield, Mass., assignor to Forest Wadding Company, Boston, Mass.
Original application October 24, 1932, Serial No. 639,265. Divided and this application April 19, 1935, Serial No. 17,211
4 Claims. (Cl. 62—91.5)



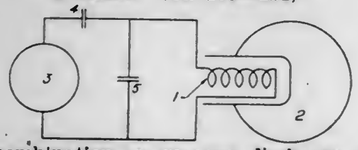
4. A container for holding and preserving foods, comprising a corrugated box, an inner water-proof bag fitting closely to the walls of said box, an insulating pad having corrugated top and bottom elements and padding therebetween, said pad having its ends extending closely to the walls of the box and means adapted to contain a freezing mixture positioned between the top of the box and the insulating pad.

2,149,413
FISHING REEL
William G. Balz and Earle D. Clickner, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich.
Application October 21, 1935, Serial No. 45,945
15 Claims. (Cl. 242—84.4)



7. In a fishing reel, the combination with a frame comprising end members provided with alined bearings, one of said bearings being removable, a traversing shaft having a pinion and said removable bearing associated therewith, and a spring clip detachably engageable with the frame and with said removable bearing and acting when engaged to retain the traversing shaft and the bearing in operative position in the frame.

2,149,414
INDUCTION EXCITATION OF ELECTRIC DISCHARGE TUBES
Joseph Bethenod, Paris, France, assignor to Société Anonyme pour les Applications de l'Electricité et des Gaz Rares Etablissements Claude-Paz & Silva, a corporation of France
Application October 14, 1935, Serial No. 44,983
In France October 17, 1934
1 Claim. (Cl. 176—124)



In combination, a gaseous discharge device having a gaseous medium therein, a coil so inductively coupled to the gaseous medium in said discharge device that a spark spectrum may be produced in said medium by energizing said coil, means for supplying alternating current to said coil comprising tuning means adapted to constitute with the coil a circuit resonant to the alternating current supply frequency to provide sufficient potential on said coil to start a discharge in the gaseous medium yielding a spark spectrum, the resonant circuit having a damping character such that the frequency shift, due to the changing impedance of this circuit, operates to limit the current to a value between that at which the spark spectrum type of discharge would be inhibited and that at which the heating of the coil would terminate the discharge.

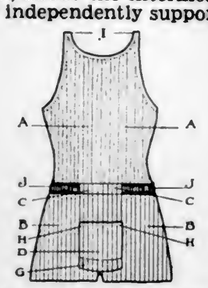
2,149,415
VERTICAL ANTENNA
Walter Berndt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 24, 1937, Serial No. 155,447
In Germany August 1, 1936
6 Claims. (Cl. 250—33)



1. Vertical antenna having an electrical length greater than one half the length of the operating wave and designed for reduced short-range fading, the radiant part of said antenna having a change of cross-section at one part of its length, and means for shifting the part where the change in cross-section takes place in its height above the ground.

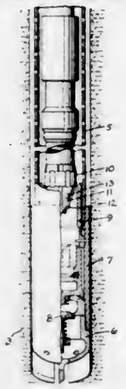
2,149,416
ONE-PIECE UNDERGARMENT
Warren A. Blankenhorn, Chattanooga, Tenn.
Application June 18, 1937, Serial No. 149,023
2 Claims. (Cl. 2—78)

1. An undergarment of the character described, comprising an upper waist portion of relatively stretchable material, a lower portion in the form of trunks, of relatively unstretchable material, said lower and upper portions being continuous at substantially the waist line, and being joined together thereat, means for constricting said lower portion, about the intermediate portion of the body for independently supporting said lower



portion, and a utility opening formed in said lower portion.

2,149,417
MEANS FOR REMOVING PIPE FROM WELLS
Cicero C. Brown, Houston, Tex.
Application March 9, 1936, Serial No. 67,787
13 Claims. (Cl. 166—1)

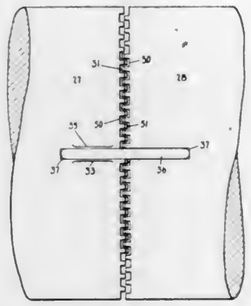


1. A method of removing liner equipped with packer, back pressure valve, valve housing and set shoe, comprising cutting out the back pressure valve and forming a passage downwardly through the liner, valve housing and set shoe, to the bottom of the well, forcing liquid under pressure downwardly through said liner, housing and set shoe, sealing against the return of liquid upwardly inside said set shoe, and thus causing circulation of liquid upwardly outside thereof, and exerting an upward pull on said liner.

2,149,418
ELECTROMAGNETIC DEVICE
William Henry Bruns, Lincolndale, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application January 22, 1938, Serial No. 186,297
2 Claims. (Cl. 175—341)

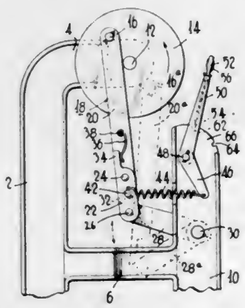
1. An electromagnetic device comprising, a magnet coil, a pair of identical cores extending into said coil from opposite ends thereof so as to be pulled toward each other upon energization of said coil, each core being provided with a plurality of parallel slots extending across its face to form teeth, a certain percentage of the face area of said teeth being of a height different from the remainder, the slots of one core being staggered with respect to those of the other, each core being also provided with an additional slot, said additional slots being aligned with each other and parallel with the first named slots, a non-magnetic key extending into said additional slots to

guide said cores during their movement, said key being secured in one of its slots and being of a length to engage the bottom of the other of its



slots during said movement of the cores to bring the cores to a stop, and means connected to said cores to be operated thereby.

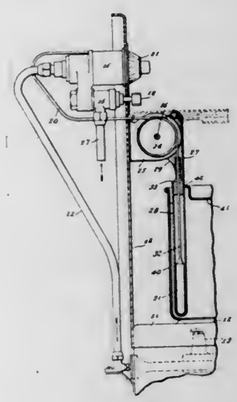
2,149,419
LINK TYPE CONNECTING ROD
Walter Bruse, Berlin-Sudende, Germany
Application October 21, 1938, Serial No. 236,320
In Germany March 15, 1937
8 Claims. (Cl. 74—584)



1. A connecting rod of the type described, comprising a pair of links pivoted together, stop means for limiting relative angular movement between said links in one direction, second means for urging relative angular movement between said links in an opposite direction, a third means, said third means being operatively opposed to, and effectively stronger than the second mentioned means whereby normally to overcome the same and thereby normally to urge said links in said first mentioned direction, and means for rendering said third means inoperative.

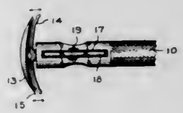
2,149,420
STOVE
John E. Chambers, Shelbyville, Ind.
Application September 20, 1937, Serial No. 164,675
3 Claims. (Cl. 236—32)

1. In a gas range having a cooking top and a burner located therebelow, a back splasher projecting upwardly from said cooking top adjacent said burner, a member pivotally attached to said back splasher on a horizontal axis above said burner, pressure-responsive means for controlling the supply of fuel to said burner, a fluid-containing bulb mounted on said member near



the free end thereof, and a tube of flexible material connecting said bulb with said pressure-responsive means, said tube including a portion formed into a helical coil coaxial with the pivotal mounting of said member.

2,149,421
SAFETY RAZOR ADJUSTMENT DEVICE
Harold Wesley Clapp, Cornwall, Ontario, Canada
Application May 10, 1937, Serial No. 141,800
In Canada March 18, 1937
4 Claims. (Cl. 30—72)

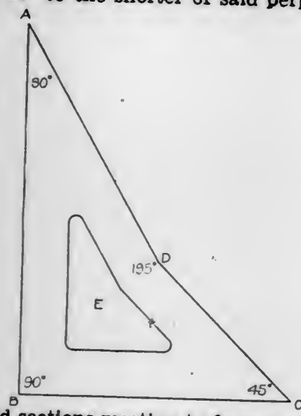


1. In a safety razor as set forth, comprising a threaded apertured handle, a pair of blade clamping members mounted on a threaded stud, said stud engaging said threaded aperture providing tension adjustment means for a blade positioned on said stud and between said clamping members, a spring actuated lever pivoted in a longitudinal slot in said handle, and a lock member formed on said lever and arranged to secure said clamping members nonrotatably with respect to the said handle.

2,149,422
DRAFTING TRIANGLE
Elmer W. Coffey, La Grange, Ill.
Application April 14, 1937, Serial No. 136,830
1 Claim. (Cl. 33—104)

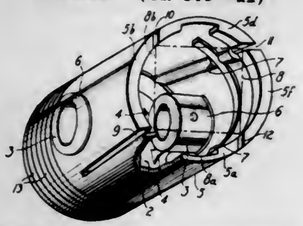
A drafting triangle having external meeting edges, which are of different lengths and perpendicular to each other, and an external, diagonal, third edge which connects the ends of said perpendicular edges remote from their meeting point, said third edge comprising only two sections, one of which extends at an angle of 30° to the longer

of said perpendicular edges, and the other at an angle of 45° to the shorter of said perpendicular



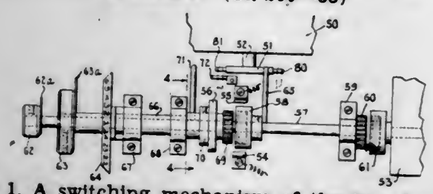
edges, said sections meeting to form a re-entrant angle of 195°.

2,149,423
PISTON
Auguste Corthals, Ixelles-Brussels, Belgium
Application March 11, 1936, Serial No. 68,249
In Belgium March 13, 1935
1 Claim. (Cl. 309—11)



In a piston for internal combustion engines having a head, a skirt, piston pin bosses on the skirt and webs uniting the pin bosses to the head, a circumferential slot partially separating the pin bosses from the skirt except at the side between the bosses and the head, and longitudinal slots cut in ribs projecting inwards from the skirt, the arrangement whereby all the slots, viewed in transverse section of the piston, are approximately tangent to a circle concentrically located inside the piston skirt.

2,149,424
TIME CONTROLLED SWITCHING SYSTEM
Robert De Vivo, Brooklyn, N. Y.
Application August 12, 1937, Serial No. 158,796
3 Claims. (Cl. 200—38)



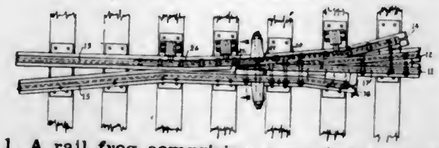
1. A switching mechanism of the type herein described for connecting a device with a power source at a predetermined future time and disconnecting said device after connection for a predetermined time interval comprising a lever operated switch controlling the supply of power to said device, a freely rotatable shaft, an arm substantially fixedly mounted on said shaft and adapted to engage with and operate the switch aforesaid during rotation of the shaft, a sheath-like member concentric said shaft, an arm substantially fixedly mounted on said sheath-like member and adapted to engage with and operate the switch aforesaid during rotation of said member, means including a constant speed synchronous electric motor associated with said shaft and said sheath-like member whereby rotative movement at a predetermined speed is imparted to both shaft and sheath, and a dial for indicating the positions of the arms and the rate of movement thereof whereby the future time at which the switch will be actuated by each of the arms can be visually disclosed.

2,149,425
RUBBER THREAD AND METHOD OF MAKING SAME
Max Draemann, Cologne-Braunsfeld, Germany
Application April 5, 1935, Serial No. 14,786
In Germany April 17, 1934
11 Claims. (Cl. 18—54)



2. The method of making rubber thread comprising extruding simultaneously along a corresponding number of orifices with axes converging in the direction of extrusion a plurality of rubber filaments, causing such filaments to emerge from the orifices in close vicinity to each other so as to coalesce partly and to form projections of the thread separated from each other by recesses, and assisting said coalescing effect by permitting the filaments to expand partly in a centripetal direction before they wholly emerge from the extruding orifices.

2,149,426
RAIL FROG
August Enstrom, Chicago, Ill.
Application August 17, 1936, Serial No. 96,333
3 Claims. (Cl. 246—468)



1. A rail frog comprising a moving wing rail, and a frog point having convergent sides, the end portion of the side of the point adjoining said wing rail being positioned at an angle to the remainder of that side in a direction away from said wing rail to create a space between the end of the frog point and the wing rail.

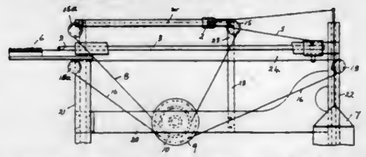
2,149,427
SUBSURFACE EXPLORATION
Lawrence Y. Faust, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application October 12, 1937, Serial No. 168,644
3 Claims. (Cl. 181—0.5)

1. A device for receiving artificial seismic waves transmitted through earth having a surface layer of soft material overlying the hard material which comprises a rod of sufficient length to pass through the soft surface layer into the hard material therebelow, a casing of sufficient length to pass through said surface layer, said casing en-



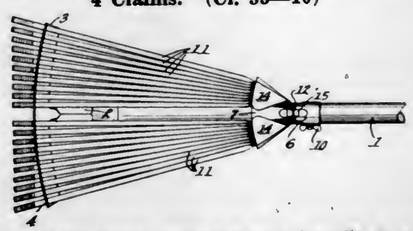
closing and being spaced from said rod throughout its entire length and a wave detector mounted on the upper end of said rod.

2,149,428
WEFT INSERTING MECHANISM FOR LOOMS
William Felton, Bradford Moor, Bradford, England, assignor to David Crabtree and Son Limited, Bradford, England, an English company
Application March 9, 1937, Serial No. 129,834
In Great Britain March 15, 1936
5 Claims. (Cl. 139—123)



1. In weft inserting mechanism of a loom of the type having a needle-weft-carrier, said needle being provided with an eye at its leading end for guiding and carrying the weft, a weft guide mounted upon supports at the rear end of the needle, an additional guide-eye arranged to move at half the rate of speed of the needle and through half the distance, a bracket upon which the added guide-eye is fixed and with which it moves, and means for reciprocating in step the needle and the bracket upon which the weft carrying eye is fixed.

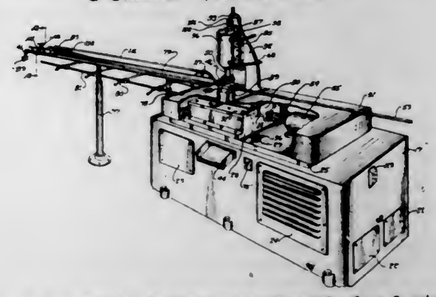
2,149,429
LAWN BROOM
George M. Finkes, Columbus, Ohio, assignor to The Union Fork and Hoe Company, Columbus, Ohio, a corporation of Ohio
Application October 13, 1937, Serial No. 168,775
4 Claims. (Cl. 55—10)



1. A lawn broom comprising a handle, a guide bar secured to the outer end of the handle and provided with a plurality of spaced slots, a runner member adjustable longitudinally of the handle and formed with a tine-receiving socket,

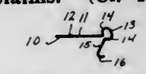
and a plurality of flat metallic strips constituting tines, the intermediate portions of said strips being twisted and disposed to occupy planes perpendicular to those of the outer portions of the strips, the said intermediate portions being nested together and secured to said runner, each of said strips forming a pair of tines and having the outer portions thereof slidably received within the guide bar slots.

2,149,430
CUT-OFF MACHINE
Martin J. Fleming, Detroit, Mich.
Application March 14, 1938, Serial No. 195,747
8 Claims. (Cl. 164—48)



1. A machine of the class described, adapted for operating on a traveling workpiece, comprising: a slideably mounted slide plate; hydraulic means for reciprocating said slide plate; a work tool for operating on said workpiece; a holder for said tool movable toward and away from said workpiece; a supporting member movable in unison with said slide plate for supporting said tool holder; hydraulic means for moving said tool holder toward and away from said workpiece; control means for controlling the operation of said last-named hydraulic means and effecting a movement of said tool holder toward said workpiece upon the sliding of said plate in one direction during the sliding movement of said plate in said direction a predetermined distance; means for controlling said first-named hydraulic means for effecting a slideable movement of said slide plate in said direction; means for controlling said second-named hydraulic means for effecting a movement of said tool holder away from said workpiece upon movement of said slide plate in said direction, said predetermined distance; and control means for effecting the operation of said first-named hydraulic means for moving said slide plate in the opposite direction, upon the movement of said tool holder away from said workpiece a predetermined distance.

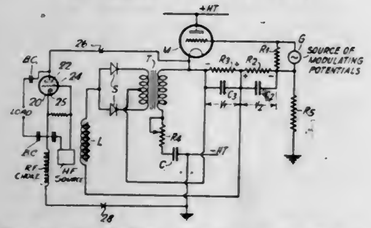
2,149,431
DISPLAY HOLDER
Harry H. Foster, Sioux City, Iowa
Application August 5, 1937, Serial No. 157,572
3 Claims. (Cl. 40—11)



1. A display holder comprising a clip member including an extended flat portion having a raised indentation adapted to be compressed against an inner molding surface, spring means forming an integral continuation of the said flat portion for causing pressure against said indentation, including a loop portion, a further portion merging from said loop portion and normally forming an

acute angle with said extended portion, said further portion being adapted to retain display matter.

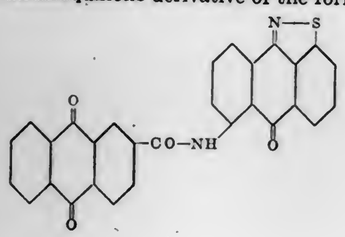
2,149,432
MODULATED CARRIER WAVE TRANSMITTER
Ernest Green, Writtle, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application December 8, 1936, Serial No. 114,735
In Great Britain January 8, 1936
6 Claims. (Cl. 179—171)



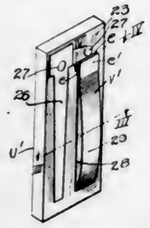
2. In a modulation system, a discharge tube stage having electrodes connected in an alternating current circuit in which wave energy to be modulated is caused to flow and having output electrodes, a modulating tube having electrodes on which modulating potentials are impressed and having output electrodes, a source of direct current potential, means connecting the output electrodes of said discharge tube and said modulating tube in series across said source of direct current potential, resistive means connected with said direct current source and a controlling electrode of said modulating tube for impressing a direct current biasing potential on said electrode of said modulating tube, a second resistive means connected with said last named resistive means for impressing a variable controlling bias on said last named electrode, a rectifier having input electrodes coupled with electrodes of said discharge tube stage to derive therefrom modulated wave energy and rectifying the same to derive a component characteristic of the modulations on said modulated wave energy, and a circuit connecting the output electrodes of said rectifier to said second resistive means to impress thereon additional controlling potentials to control the bias of said modulating tube in accordance with the modulations on said wave energy.

2,149,433
ANTHRAQUINONE DERIVATIVES
Paul Grossmann, Binningen, near Basel, and Max Bommer, Riehen, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 21, 1936, Serial No. 112,144. In Switzerland December 7, 1935
1 Claim. (Cl. 260—303)

The anthraquinone derivative of the formula

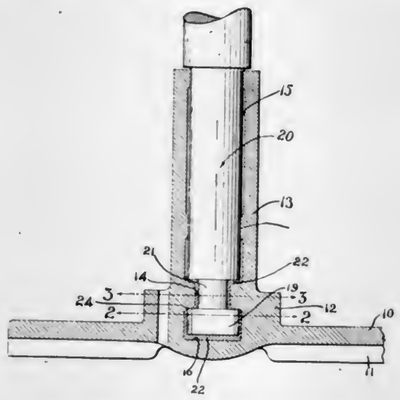


2,149,434
VALVE STRUCTURE FOR MUSICAL INSTRUMENTS
Alfredo Guidobaldi, Castelfidardo, Italy, assignor to Mario Soprani, Castelfidardo (Ancona), Italy
Application December 20, 1937, Serial No. 180,683
4 Claims. (Cl. 251—119)



1. A valve structure for controlling the air flow through a musical instrument comprising a plate having an elongated air passageway therethrough, and a single strip of comparatively thin flexible material bent and overlapped to provide an inner portion and an outer portion with their free ends secured together and secured adjacent to one end of the passageway with the inner portion overlying the passageway, the outer portion being longer than the inner portion to form a bow functioning as a truss to hold the inner portion taut at all times.

2,149,435
PUMP IMPELLER AND METHOD OF ASSEMBLING
George F. Habach, Orange, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application September 20, 1938, Serial No. 230,772
3 Claims. (Cl. 287—53)

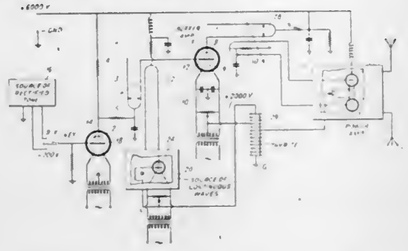


1. In a pump structure, an impeller, a shaft therefor, a coupling head on said shaft, said impeller provided with a recess receiving said coupling head, said recess shaped to provide abutment surfaces and shoulders for engagement with the head to prevent withdrawal of the head from the recess after the shaft has been turned a partial turn subsequent to the insertion of said coupling head in said recess, and a bonding agent in said recess about said head for securely connecting said shaft and impeller.

2,149,436
MANUFACTURE OF WIRES OF MAGNESIUM OR ALLOYS THEREOF
Hans Hadenfeldt, Berlin, Germany, and Bernhard Blumenthal, New York, N. Y.
No Drawing. Application July 8, 1937, Serial No. 152,566. In Germany September 13, 1932
7 Claims. (Cl. 205—21)

1. A process for the manufacture of magnesium and magnesium alloy wires of small diameter which comprises cold drawing the wire by passes each effecting a reduction in the diameter of the wire not exceeding 20%.

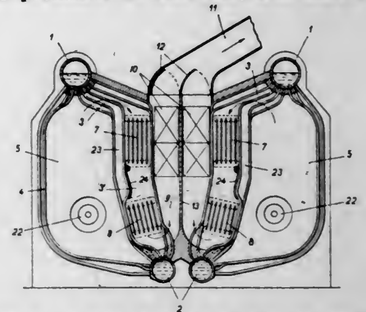
2,149,437
METHOD OF KEYING RADIO TRANSMITTERS
Clarence W. Hansell and Hallan E. Goldstine, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 26, 1938, Serial No. 192,682
10 Claims. (Cl. 178—66)



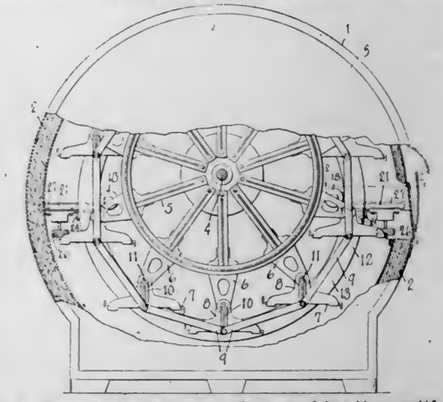
1. In a telegraphy system, a wave energy amplifier having an electrode excited by continuous wave energy to be keyed and an output electrode coupled with a utilization circuit, a keying tube having an electrode connected with means for impressing thereon potentials of different value to render said keying tube alternately more conductive and less conductive, said keying tube having an anode and a cathode, direct current circuits interconnecting the anode and cathode of said keying tube with an electrode in said wave amplifier to bias said tubes to potentials such that when the keying tube is more conductive the amplifying tube is less conductive and vice versa, and means in said direct current circuits for limiting the current flow to said last named electrode in said wave amplifier tube when conductive to a value substantially equal to the anode current flowing in said keying tube when it is conductive.

2,149,438
BOILER
Otto H. Hartmann and Hans Trede, Kassel-Wilhelmshohe, Germany
Application December 30, 1936, Serial No. 118,389
In Germany January 3, 1936
5 Claims. (Cl. 122—332)

1. A marine water tube boiler having an upper and a lower header, water tubes connecting said headers and being constructed and arranged to form a combustion chamber and a downwardly directed flue for smoke exhaust gases adjoining said chamber, a steam superheater and a feed water preheater in said flue, and means associated with said flue for diverting said gases from said superheater when desired.



2,149,439
BAKER'S OVEN
Charles T. Hatch, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application October 15, 1936, Serial No. 105,663
12 Claims. (Cl. 107—59)

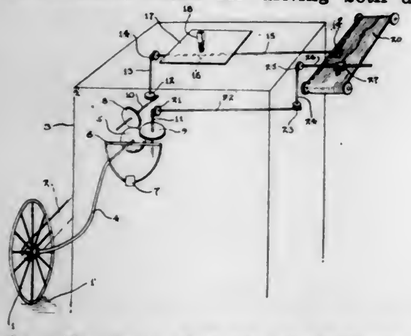


1. In a baker's oven, the combination with a casing, of a rotary conveyor comprising annular end members, an annular series of shelves pivotally suspended between said conveyor end members, lever arms connected to the pivots of said shelves at each end thereof, links pivotally connecting the lever arms at one end of the shelves whereby tilting movement of one shelf is translated to the other shelves of the series, an annular coupling member connecting the arms at the other ends of said shelves and provided with a track on its inner edge, rollers disposed in opposed relation to cooperate with said track, pivoted levers having upwardly projecting arms on which said rollers are journaled, adjustable weighting means for said levers, and adjustable stops limiting the downward movement of said levers under the action of their weights.

2,149,440
MAPPING MACHINE
John Early Jackson, Lynchburg, Va.
Application October 3, 1935, Serial No. 43,418
3 Claims. (Cl. 33—141.5)

1. A paper guiding and driving mechanism for mapping machines comprising a double set of

drive wheels and idler wheels between which a sheet of paper is adapted to be gripped on which the directions and curvatures of the highway are to be recorded, means for driving both drive



wheels uniformly to advance the paper during the mapping operation, and means for turning one drive wheel non-uniformly with respect to the other for positively orienting the paper without the introduction of sliding friction.

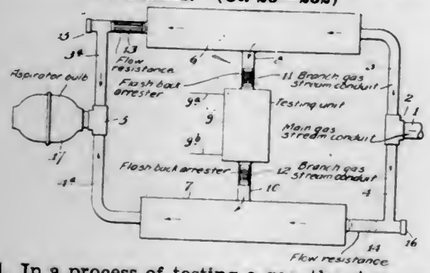
2,149,441

GAS TESTING METHOD AND APPARATUS

Moses G. Jacobson, Swissvale, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 11, 1936, Serial No. 58,683

24 Claims. (Cl. 23—232)



1. In a process of testing a gas, the steps comprising dividing a main gas sample stream into two branch streams, and passing a portion of the gas as a bridge stream from one of said branch streams through a testing unit to the other branch stream.

19. Gas testing apparatus comprising a testing unit including a testing filament, a compensating filament, and a balanced electrical circuit associated with said filaments, said filaments in the balanced condition of said circuit being heated to unequal temperatures; a main conduit for gas to be tested, secondary conduits connected to said main conduit for passing said gas over both of said filaments, and means associated with at least one of said secondary conduits for adjusting the gas flow rate over said filaments to equalize the effect of the cooling of said unequally heated filaments by the gas flow upon the balance of said electrical circuit.

2,149,442

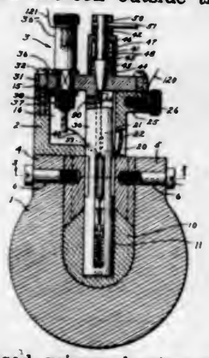
GALVANOMETER

Fabian M. Kannenstine, Houston, Tex.

Application June 11, 1937, Serial No. 147,642

5 Claims. (Cl. 171—95)

3. A current responsive instrument comprising a magnet having spaced pole pieces, a non-magnetic housing about the pole pieces and forming therewith a fluid chamber, and a galvanometer element suspended in said chamber, said element having mounted thereon outside the air gap a



vertically disposed mirror having its reflecting surface substantially perpendicular to the magnetic flux between said pole pieces.

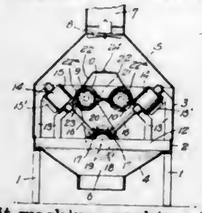
2,149,443

FRUIT AND VEGETABLE TREATING MACHINE

Mabry D. Kennedy and John Gordon Johnson, Orlando, Fla., assignors to Ken-Jon Inc., Orlando, Fla.

Application February 3, 1934, Serial No. 709,636

7 Claims. (Cl. 146—202)



1. In a fruit washing machine, the combination of a rotatable brush, means to move the fruit longitudinally of the brush comprising an endless belt mounted adjacent the brush, means to wet the fruit with washing liquid during its movement longitudinally of the brush, means positioned between the brush and the endless belt adapted to prevent undue agitation of the fruit by the centrifugal force of the brush, said means comprising a plurality of guide members mounted in spaced relationship with respect to the length of the brush and spaced apart a distance less than the diameter of the fruit, said guide members being located beneath the surface of the brush and adapted to permit the fruit to contact with a chordal portion of the brushing surface, of limited length and of a predetermined depth less than the length of the brush bristles and means to rotate the brush.

2,149,444

AUTOMATIC COIN COUNTING AND WRAPPING MACHINE

Gerhard Kohlmann, Quedlinburg, Germany

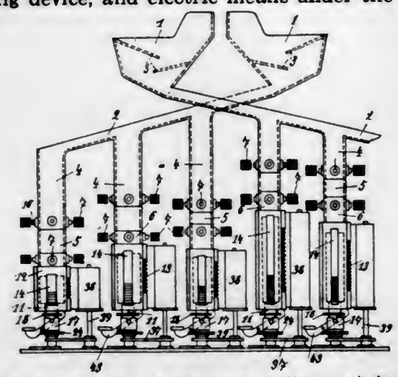
Application December 24, 1936, Serial No. 117,555

In Germany October 25, 1935

2 Claims. (Cl. 93—2)

1. In a machine for counting, and packaging coins, containers for the sorted coins, a counting device arranged on each container and including electric means, controlled by the weight of the coins in the corresponding container, for barring the admission of coins to the container when the prescribed number of coins is in the container, a

packaging device, means for actuating the packaging device, and electric means under the con-



trol of the weight of the coins in the container for throwing in the actuating means when the prescribed number of coins is in the container.

2,149,445

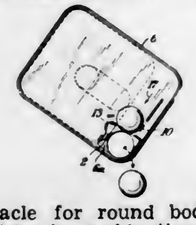
DISPENSING AND CLOSING DEVICE FOR TABLETS, PILLS, AND THE LIKE

Paul Kreiten, Cologne-on-the-Rhine, Germany

Application September 1, 1937, Serial No. 162,049

In Germany August 28, 1936

7 Claims. (Cl. 206—42)



1. A receptacle for round bodies, especially tablets, comprising in combination a bottom plate of substantially rectangular shape with rounded corners, a continuous wall projecting upwards at right angles from said bottom plate, an insert corresponding to the internal shape of said wall and having an aperture at one of its corners larger than the diameter of the round bodies, a downwardly directed flange all round the periphery of said insert engaging at its lower edge in said wall and forming with said bottom plate a magazine for the round bodies, a top plate corresponding in shape to said lower plate and having a slot and an aperture slightly larger than the diameter of the round bodies and registering with the aperture in said insert, a continuous wall extending downwards at right angles from the periphery of said top plate and engaging the upper end of said flange, a flat slide shiftable between said insert and said top plate and covering the slot in said top plate in every position, and a knob on the upper side of said slide and extending through the slot in said top plate to shift said slide relatively to said top plate to open and close the aperture therein.

2,149,446

FIRE EXTINGUISHER

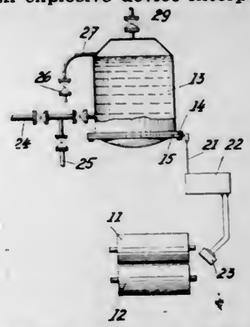
Alfonz Kunz, Fuzfo, Hungary

Application August 24, 1937, Serial No. 160,645

In Hungary August 28, 1936

17 Claims. (Cl. 169—9)

12. Apparatus for extinguishing with fluids rapidly combustible materials, particularly heated gunpowder, comprising a container for the extinguishing fluid, said container having comparatively strong walls and a comparatively frail bottom, means for normally maintaining the fluid in said container under a superatmospheric pressure, an explosive device interposed between



said fluid and the outermost surface of the bottom of said container which consists of a plurality of layers at least one of which is impermeable to said extinguishing fluid, and means for detonating said explosive device directly to disrupt said layers of said container bottom.

2,149,447

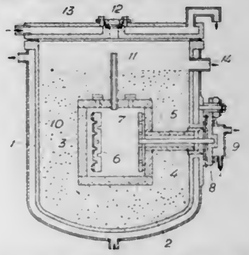
FURNACE FOR TREATING MATERIALS AT HIGH TEMPERATURES

Uno Lamm and Harry Forssell, Ludvika, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application December 5, 1936, Serial No. 114,318

In Sweden December 7, 1935

1 Claim. (Cl. 13—31)



A furnace for treating materials at high temperatures, comprising a vacuum-type receptacle, evacuating means therefor, a heat-treatment chamber centrally located therein, electric heating elements located in said chamber, and heat insulating material separating said chamber from said receptacle, said material consisting of graphite grains of substantially uniform size, each grain having a mean diameter of from 1 to 10 millimeters.

2,149,448

RESISTANCE ELEMENT

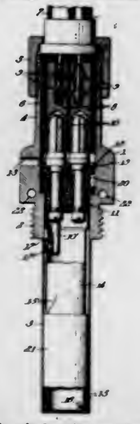
Karl M. Lederer, Newark, and Alexander Dempster, Linden, N. J., assignors to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application April 20, 1936, Serial No. 75,440

9 Claims. (Cl. 201—67)

1. A resistor bulb for the electrical measurement of temperature comprising a metallic support, a resistance wire of relatively high temperature coefficient of resistance wound on said support, a film of non-conducting metallic oxide on

and formed from the metal of said support, a shell in heat transfer relation to said resistance wire and enclosing said support and resistance wire, means for supporting said shell in heat transfer



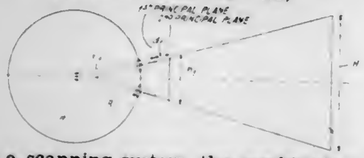
relation to the material whose temperature is to be measured, and a substantially continuous film of non-conducting metallic oxide within said shell and insulating the resistance wire therefrom.

2,149,449

SCANNING DEVICE

Nyman Levin, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application March 23, 1935, Serial No. 12,606
In Great Britain March 23, 1934
3 Claims. (Cl. 178—7.6)



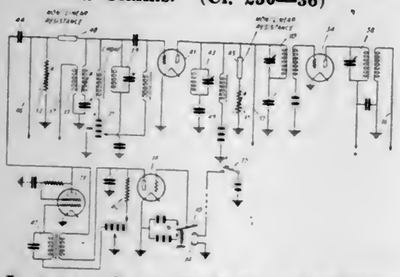
1. In a scanning system, the combination of a drum type scanning member, and telephoto lenses, each of said lenses having its first principal plane intermediate the lens and the second principal plane of the lens.

2,149,450

OSCILLATION GENERATION

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application January 14, 1933, Serial No. 651,809, now patent No. 2,052,888, dated September 1, 1936. Divided and this application May 23, 1936, Serial No. 81,359
2 Claims. (Cl. 250—36)



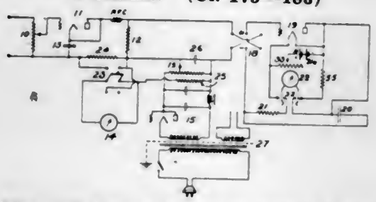
1. In means for multiplying the frequency of wave energy, a source of wave energy, an ohmic resistance of the type in which the current flow varies non-linearly with respect to the applied potential, means connecting one terminal of said resistance to a point on said source of wave energy, a circuit series tuned to a harmonic of the frequency of said wave energy connecting the other terminal of said resistance to a point on said source of wave energy and a parallel tuned circuit resonant at a frequency which is a harmonic of the frequency of the wave energy of said source connected in parallel with a portion of said series tuned circuit, and means for deriving harmonic energy from said parallel tuned resonant circuit.

2,149,451

APPARATUS FOR VOLTAGE MEASUREMENTS

Worthington C. Lent, Westwood, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application October 26, 1933, Serial No. 695,253. Divided and this application October 20, 1936, Serial No. 106,548
2 Claims. (Cl. 175—183)



1. Measuring apparatus comprising a tube having grid, anode and filamentary cathode electrodes, the anode and cathode of said tube being directly connected together a source of potential for energizing said cathode, a pair of wave input terminals for waves whose characteristics are to be measured, a condenser connected to one terminal and said cathode, means connecting the grid electrode with the other terminal, an indicating meter, a resistor connected in series with said meter, means connecting said meter and resistor in shunt to said condenser, a second resistor having one end connected to said cathode and means for selectively connecting said meter across the free end of said second resistor and the other end of said filamentary cathode.

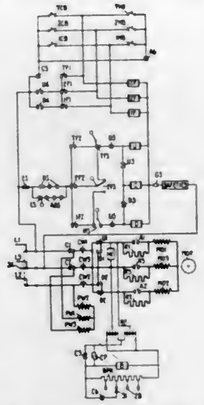
2,149,452

ELEVATOR CONTROL MECHANISM

Jacob Daniel Lewis and Otto Albert Krauer, Yonkers, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application December 18, 1937, Serial No. 180,504
10 Claims. (Cl. 172—152)

10. In combination; an elevator car adapted to serve a plurality of landings; a polyphase induction motor for raising and lowering the car; a source of polyphase alternating current for said motor; means for slowing down and stopping the car at the landings; and means for controlling said slow down and stopping means, said last named means comprising, a polyphase load indicating motor having a wound stator and wound rotor with the stator connected in series with the hoisting motor and the rotor in parallel with the hoisting motor, one end of the rotor shaft of the load indicating motor being provided with a longitudinal aperture extending inside the motor frame and three spaced apertures leading from said longitudinal aperture to the surface of the shaft adjacent the rotor, leads for the rotor winding extending through said apertures to the outside of the motor, a plurality of stationary contacts arranged in an arc on a center coinciding with the axis of rotation of the rotor of said load



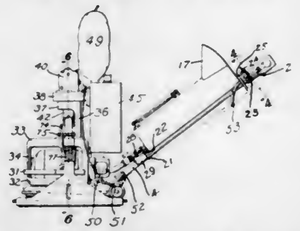
indicating motor, an arm secured to the rotor shaft, and contacting means carried by said arm for successively engaging said stationary contacts.

2,149,453

VACUUM SCRUBBER

James H. Longshore, Dave E. Smalley, and Edward L. Petty, Brazil, Ind., assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation

Application October 8, 1936, Serial No. 104,670
15 Claims. (Cl. 15—50)



1. In a floor and floor cover cleaning machine, a rotating brush mounted beneath the machine, a rigid member pivoted to the machine, a nozzle carried by the rigid pivoted member and adjustable to a position in front or at either side of the brush, and means carried by the machine for creating air suction through the nozzle at all of its adjustments.

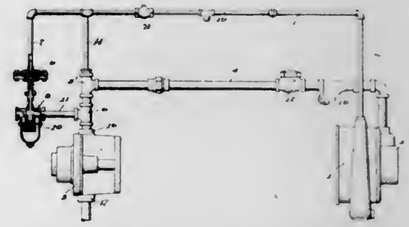
2. In a floor and floor cover cleaning machine, a rotating brush located under the machine, a member pivoted at one end to the machine above and in the axis of the rotating brush, a nozzle carried by the pivoted member and adjustable to a position in front and at either side of the brush, a tube in upper and lower telescoping parts supporting the nozzle for vertical adjustment of the nozzle, means carried by the machine for creating a suction through the tube and nozzle at all of its adjustments, and a handle for causing the machine to travel selectively toward or from the nozzle by varying the elevation of the outer end of the handle, said nozzle having a squeegee member opening the nozzle on the side toward which the machine is moving and closing it on the other side.

2,149,454

PUMPING UNIT

Bartley R. McBath, Jr., Verona, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Virginia

Application April 7, 1937, Serial No. 135,361
2 Claims. (Cl. 103—113)



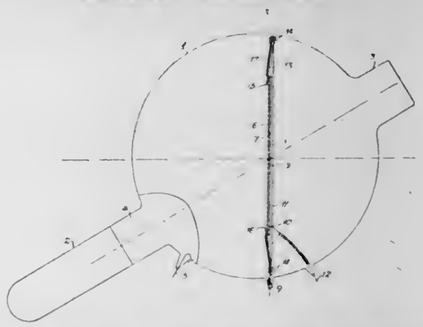
2. In a pumping unit, in combination, a centrifugal pump, an auxiliary air removal pump, a conduit connecting the suctions of said pumps, a valve connected to the suction of said air removal pump and to atmosphere, a pressure operated diaphragm for actuating said valve, a pipe connected to the discharge of said centrifugal pump and said diaphragm whereby the diaphragm will be acted upon to open the valve and open the suction of the air removal pump to atmosphere when the discharge pressure of the centrifugal pump reaches a predetermined degree, a connection from said pipe to said conduit outwardly of the connection between said valve and the suction of said air removal pump for supplying make-up liquid to the air removal pump, a restricted orifice at the connection of said pipe and conduit, and non-return check valves in said pipe and conduit.

2,149,455

TELEVISION TRANSMITTING APPARATUS

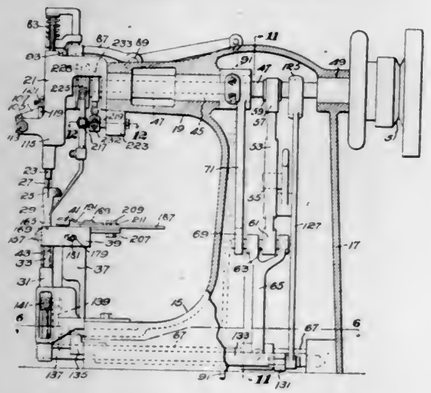
James Dwyer McGee, Ealing, London, and George Stanley Percival Freeman, Chiswick, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application October 23, 1935, Serial No. 46,254
In Great Britain October 24, 1934
9 Claims. (Cl. 250—164)



1. A cathode ray tube comprising an envelope having a bulbous portion, a mosaic screen formed on a plurality of separated pliant sheets of insulating material superimposed one on another, and a plurality of resilient supporting means which serve to hold said screen substantially flat within said bulbous portion.

2,149,456
SEWING MACHINE
Frank W. Merrick, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application June 30, 1934, Serial No. 733,182. Divided and this application August 25, 1936, Serial No. 97,839
8 Claims. (Cl. 112—47)



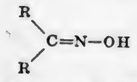
1. A machine for sewing strips to sheet material having, in combination, means for presenting the strip edgewise to the sheet, stitch forming mechanism operative to pass stitches through the sheet and from edge to edge through the strip for securing them together, means for feeding the sheet and strip relative to said stitch forming mechanism comprising means for presenting the strip edgewise to said mechanism, and means operating upon the sheet for positioning it relative to said stitch forming mechanism for causing the strip to be sewed to the sheet in predetermined spaced relation to the edge of the sheet, the last mentioned means having provision for varying the spacing of the strip from the edge of the sheet during the sewing operation.

2,149,457
THERAPEUTICALLY ACTIVE AMIDINES
Karl Miescher, Riehen, near Basel, and Ernst Urech, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 15, 1936, Serial No. 85,434. In Switzerland June 21, 1935
8 Claims. (Cl. 260—2)

1. Amidines of hydroxy fatty acid containing 2 to 4 carbon atoms, said amidines being substituted at the oxygen atom by a radical selected from the group consisting of quinoline, naphthalene and a substituted phenyl radical, the substituent of the latter being a member of the group consisting of alkoxy, carbalkoxy and an alkylene radical.

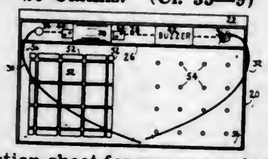
2,149,458
RUBBER DERIVATIVE COMPOSITION
Eugene W. Moffett, Chicago, Ill., assignor to Marbon Corporation, a corporation of Delaware
No Drawing. Application January 23, 1936, Serial No. 60,452
5 Claims. (Cl. 106—23)

1. A composition of matter essentially comprising a halogen containing rubber derivative and having incorporated therein an oxime of the general formula



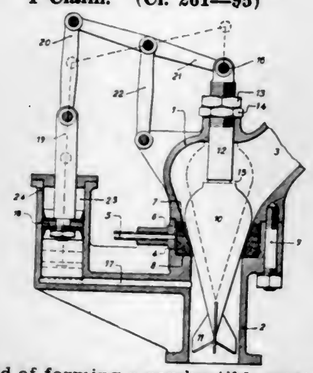
in which R is an alkyl, aryl, hydrogen or halogen.

2,149,459
EDUCATIONAL DEVICE
Terry B. Morehouse, Short Beach, Conn.
Application March 14, 1936, Serial No. 68,927
20 Claims. (Cl. 35—9)



1. A question sheet for use on an electrical questioner, comprising a first portion and a second portion, a plurality of pairs of statements printed on said sheet with one statement of each pair printed in each of said portions, a contact area associated with each statement of the first portion and a perforation through said sheet in each contact area, the position of the perforation in the contact areas indicating the location, within the second portion, of the statement corresponding to that printed in the first position of said sheet adjacent each contact area.

2,149,460
CARBURETING IN INTERNAL COMBUSTION ENGINES
Eugen Ludwig Müller, Berlin, Germany
Application March 18, 1936, Serial No. 69,582
In Germany March 30, 1935
1 Claim. (Cl. 261—95)

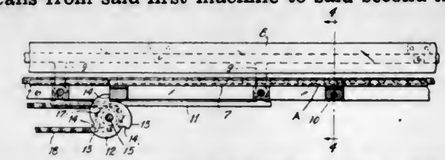


A method of forming a combustible mixture for internal combustion engines which comprises the steps of forcing the fuel under pressure through a porous body to reduce the fuel into finely divided particles in its forced passage through the porous body, and passing air past the porous body to take up and mix with the fuel and form the combustible mixture.

2,149,461
APPARATUS FOR FILLING CANS
William J. Mundy, University City, Mo., assignor to C. T. Small Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application September 5, 1935, Serial No. 39,202
2 Claims. (Cl. 226—72)

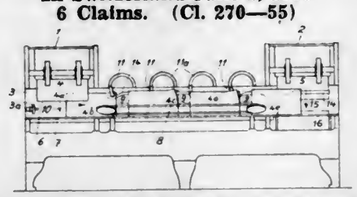
1. An apparatus for filling cans with loose material, and comprising a machine for filling

said can with a primary charge of said loose material, a second machine to introduce a secondary charge of said material into said can, and a conveyor assembly adapted and arranged to carry cans from said first machine to said second ma-



chine, said conveyor assembly having a section thereof hingedly mounted at one end and having the other end free to move relative to the other parts of said conveyor, and means for intermittently moving the free end of said section to cause a settling action on cans passing thereover.

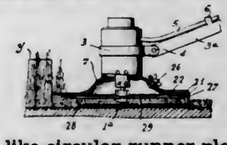
2,149,462
MACHINE FOR INSERTING SUPPLEMENTS INTO FOLDED SIGNATURES
Ernst Oppliger, Zofingen, Switzerland, assignor to Beweg A.-G., Werkstätte für das Graphische Gewerbe, Bern, Switzerland, a joint-stock company of Switzerland
Application June 2, 1937, Serial No. 146,035
In Switzerland June 2, 1936
6 Claims. (Cl. 270—55)



1. In a machine for inserting supplements into folded signatures the combination, a feed table having an inclined guide path for the signatures, a guiding ledge adapted to receive the lower edges of the signatures, a first inserting device at one end of said guide path adapted to feed the signatures to the feed table, a second inserting device at the other end of the feed table adapted to insert the supplements into the opened signatures, a rod (22) arranged parallel to and near the upper edge of said guide path, a file of spaced sucking members slidingly arranged on said rod the number of these sucking members corresponding to the number of leaves to be opened, means to impart a reciprocating and a lifting movement to said sucking members to lift the single leaves of the signatures at their forward edges, stationary guide rails arranged parallel to the signatures and held in the path of said lifted edges and adapted to maintain the leaves lifted up until the supplement has been nested into the signature, and conveying belts for the signatures and means adapted to push the fed signatures within reach of these belts.

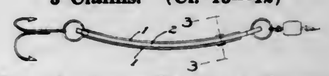
2,149,463
ELECTRIC CUTTER AND TRIMMER
John A. Orr, Chicago, Ill.
Application February 4, 1935, Serial No. 4,849
4 Claims. (Cl. 56—25)

4. In a cutter and trimmer, a motor having a shaft, a housing for said motor, a bell-shaped skirt secured to the lower end of said housing, downwardly disposed hooked guards carried by said skirt and terminating therebeneath in spaced relation thereto, a rotary cutter secured to said motor shaft and disposed between the lower end of said skirt and the free ends of said hooked guards, a runner secured to said skirt and extending therebeneath and beneath said hooked guards,



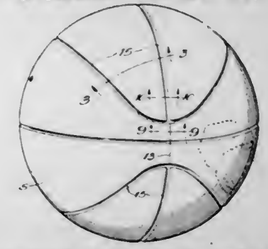
and a disc-like circular runner plate secured flush to said runner for travel over the ground.

2,149,464
FLY-ROD MINNOW
Robert M. Potts, Dayton, Ohio
Application February 17, 1938, Serial No. 191,022
3 Claims. (Cl. 43—42)



1. A fly-rod minnow having an inner member and two outer composite members, each composite member having outer laminae of Celluloid and an inner lamina of some powdered or granulated material whereby the minnow is given the color desired.

2,149,465
METHOD OF MAKING PLAYING BALLS
John T. Riddell, Chicago, Ill.
Application August 17, 1938, Serial No. 225,318
3 Claims. (Cl. 154—16)

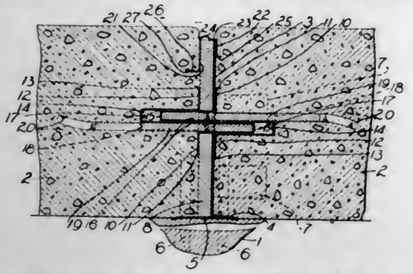


1. The method of making an inflatable playing ball, which consists in taking a carcass, cementing thereon a plurality of casing sections having inwardly beveled marginal edges adjoining each other edge to edge, cementing a cord in registry over and along the lines of said adjoining edges, inflating the carcass in a mold to force such cord to depress said marginal edges to form grooves registering with the seams in said casing, and removing the cord.

2,149,466
EXPANSION JOINT AND CAP
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 140,283
4 Claims. (Cl. 94—18)

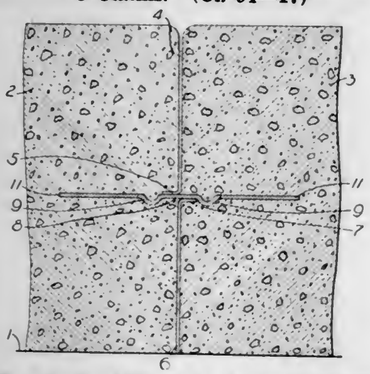
1. An expansion joint forming mechanism comprising a metal core plate and a preformed plastic filler board cemented to one side thereof, said core plate and filler board having registering openings therein, interfitting double looped load transmitting sections projecting from opposite directions through the registering openings in the core plate and filler board, double dowel bars secured in loops of said interfitting sections and projecting outwardly in opposite directions therefrom for imbedding in the concrete slabs on opposite sides of the joint, means for anchoring the core plate and the filler board to one of the concrete slabs, and a base formed on the core

plate and projecting underneath the filler board for supporting the joint forming mechanism in position on a road subgrade prior to the pouring



of the concrete for forming the slabs between which the joint forming mechanisms are imbedded.

2,149,467
CENTER JOINT
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application April 14, 1937, Serial No. 136,725
5 Claims. (Cl. 94—17)



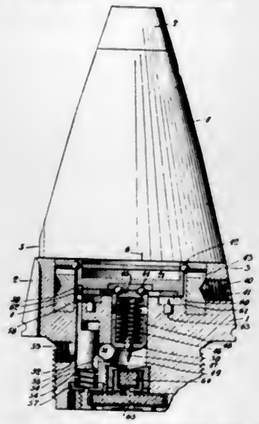
1. In a center joint for embedding between adjacent concrete road slabs, a joint forming mechanism comprising upper and lower plate sections disposed in substantially the same plane and having supporting flanges integrally formed thereon with the flange of one plate projecting in a direction opposite from the flange on the other plate, a seal plate disposed between the flanges of the upper and lower plates and rigidly secured to said flanges, and anchoring members thereon to be embedded in the concrete on opposite sides of the joint.

2,149,468
COLLAPSIBLE HAT
James T. Santise, Brooklyn, N. Y.
Application May 7, 1938, Serial No. 206,585
3 Claims. (Cl. 2—198)



1. In combination, a hat and a collapsible frame therefor composed of peripheral sections and means for rotatably joining said sections, said frame being enclosed in the brim of the hat.

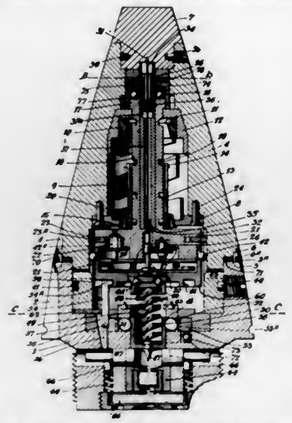
2,149,469
TIMING AND RELEASE MECHANISM FOR MECHANICAL TIME FUSES
Edouard H. Schenk, New York, N. Y., assignor, by direct and mesne assignments, to Edgar Brandt, Paris, France
Application August 27, 1935, Serial No. 38,013
4 Claims. (Cl. 102—36)



1. In a timing and release mechanism for artillery projectile fuses having a setting cap with an axial bore and a base having a radial as well as a longitudinal bore; a firing pin slidably and axially mounted in the base of the fuse, a spring acting on said firing pin, a locking ball slidably mounted in the radial bore of said base and normally restraining said firing pin against the action of said spring, a release shaft slidably mounted in the longitudinal bore of said base and normally holding said ball immovable, a spring acting on said release shaft and tending to force it to a position to release said ball, a cylindrical clockwork casing rotatably and slidably mounted in the axial bore of said setting cap, a timing rim formed in the bottom of this casing, a release notch provided in this timing rim, safety means carried inside this timing rim by said casing and normally holding this release shaft in the position whereby it holds said ball immovable, releasable means to couple positively this casing to said setting cap before the firing of the projectile and means frictionally mounted in said timing rim and actuated by the setback of this casing due to firing of the projectile to hold this casing momentarily coupled to said base during the acceleration of the projectile, said casing, following said momentary coupling, being actuated to position said release notch in line with said release shaft, whereby said release shaft is moved to release said locking ball and said firing pin.

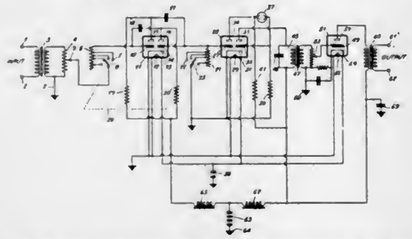
2,149,470
MECHANICAL TIME FUSE
Edouard H. Schenk, New York, N. Y., assignor, by direct and mesne assignments, to Edgar Brandt, Paris, France
Application September 25, 1935, Serial No. 41,990
9 Claims. (Cl. 102—36)

1. In a clockwork operated mechanical fuse: an adjustable setting cap, a compression mainspring normally uncompressed and arranged in the axis of said cap, a set back weight axially slidable in said cap to compress this mainspring during the positive acceleration of the projectile, means to transform the straight force thus stored in the mainspring into a torque, a mainshaft pivoted in the axis of this mainspring and directly submitted to the action of this torque during the flight of the projectile, a clockwork casing pivotally and slidably mounted in this cap, a cylindrical cover for this casing made in one piece with this mainshaft and eccentric means of transmission car-



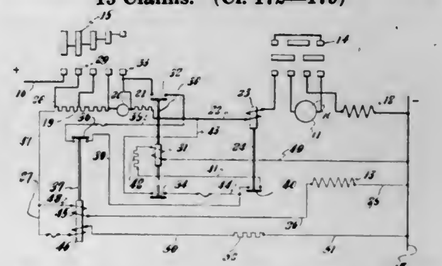
ried by this cover and comprising a non-rotatable internal gear freely mounted in this cover, a planetary pinion driven by said internal gear and driving the train of the clockwork of the fuse and means to couple permanently this internal gear to the setting cap.

2,149,471
SAW-TOOTH WAVE GENERATOR
Henry Shore, Brooklyn, and James N. Whitaker, Tuckahoe, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application May 26, 1934, Serial No. 727,688
Renewed March 19, 1937
8 Claims. (Cl. 250—36)



1. A wave shaping system comprising a source of substantially constant frequency input current, a two stage capacity coupled thermionic amplifier having a portion of the output energy coupled back to the input thereof, a connection between the input of said amplifier and the source of input current, a second two-stage amplifier connected in cascade with said first two-stage amplifier and having its first input circuit controlled from the output circuit of one portion of said first two stage amplifier, a glow discharge device connected in shunt with one output circuit of the first stage of the second cascade amplifier and an impedance network connected in the output circuit of the second stage of the second cascade amplifier whereby a current flows alternately through the glow discharge device and the impedance network during time periods determined by maximum and minimum values of the output from the two stage amplifier supplied to the cascade amplifier, and an additional amplifying device having its input circuit energized by the current in the impedance network so that the output current thereof rises and falls along linear paths.

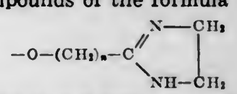
2,149,472
MOTOR CONTROL SYSTEM
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 14, 1937, Serial No. 153,618
15 Claims. (Cl. 172—179)



15. In a motor control system, a motor including an armature and shunt and series field windings, a main line circuit leading to said motor including a positive and negative conductor, a resistance in said circuit, a manually operable controller for cutting a part of said resistance from said circuit, and an automatic control circuit for cutting the rest of said resistance from said motor circuit when the shunt field current has reached its maximum value, said control circuit including a contactor adapted to cut said resistance into or out of said motor circuit and having its operating coil in said control circuit, a relay having its operating coil in series with said motor and adapted to break the control circuit to the operating coil of said contactor upon breakage of the power circuit to said motor, and another relay operable due to the transformer effect between said series and shunt fields and adapted to prevent regenerative voltage of said motor from operating said contactor and to hold said remainder of said resistance into the motor circuit until said motor has gained the required speed and the current flowing through said shunt field has reached a maximum value, said last-mentioned relay having two opposing coils of substantially the same field strength, one of which is in the circuit for said shunt field and the other of which is in said control circuit, and a resistance in series with said last-named coil to cause the amount of current flowing through said coil to be the same as the current flowing through said shunt field when said shunt field current is at its maximum value.

2,149,473
IMIDAZOLINES
Adolf Sonn, Konigsberg, Germany, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application September 10, 1937, Serial No. 163,324. In Germany July 31, 1934
3 Claims. (Cl. 260—309)

1. The compounds of the formula



wherein R stands for a member of the group consisting of substituted and unsubstituted phenyl, naphthyl and quinolyl radicals, the substituent

being a member of the group consisting of alkyl, alkenyl, hydroxy and alkoxy and *n* stands for the numbers 1 to 6.

2,149,474

4 - NITRO - 2-AMINO-1-HYDROXYNAPHTHALENE SULPHONIC ACIDS AND PROCESS OF MAKING SAME

Fritz Straub, Basel, Hermann Schneider, Riehen, and Peter Pieth, Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application May 12, 1937, Serial No. 142,281. In Switzerland May 14, 1936
12 Claims. (Cl. 260—509)

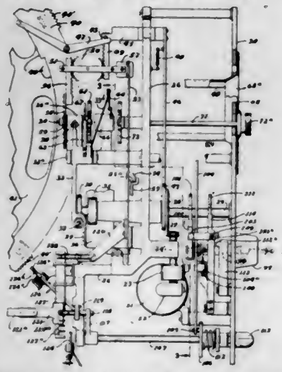
1. Process for the manufacture of 4-nitro-2-amino-1-hydroxynaphthalene sulphonic acid, consisting in reducing in an aqueous medium 2.4-dinitro-1-hydroxynaphthalene sulphonic acids with members of the group consisting of sulphides, polysulphides and hydrosulphides of the alkaline earth metals.

2,149,475

PRINTING AND RECORDING MECHANISM FOR WEIGHING APPARATUS

Cameron McGregor Sykes and Arthur Binns, Soho Foundry, Birmingham, England, assignors to W. & T. Avery Limited, Birmingham, England

Application December 4, 1935, Serial No. 52,842
In Great Britain December 12, 1934
10 Claims. (Cl. 234—5.4)



1. A printing mechanism for use with weighing apparatus embodying a type bearing member which forms part of the weighing apparatus and which is displaceable proportionately to the load, an impression means for taking a record from said type, an electric motor for providing the motive force for said impression means, a locking means for the type bearing member, controlling means for the electric motor which co-acts with the aforesaid locking means, and means influenced by the weighing mechanism which prevents both the movement of the locking means to the locking position and the actuation of the aforesaid controlling means to bring the electric motor into operation, except when the weighing apparatus is in equilibrium.

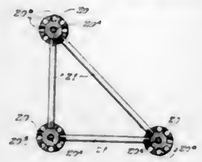
2,149,476

TOY CONSTRUCTION BLOCK AND INTERLOCKING RETAINER THEREFOR

Benjamin A. Tetzlaff, Riverside, Ill.

Application September 21, 1937, Serial No. 164,885
8 Claims. (Cl. 46—29)

3. A resilient retainer adapted to be inserted in a slotted end of a wooden toy construction element comprising a resilient metallic body of substantially S-shaped cross-section, the sinuous



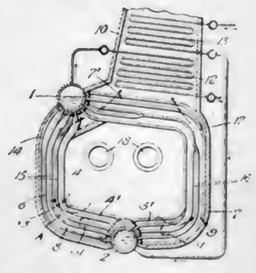
shape of the body extending transversely of the body and parallel to the longitudinal axis of the slot in the element.

2,149,477

MARINE WATER TUBE BOILER

Hans Trede, Kassel-Wilhelmshohe, Germany, assignor to the firm of Schmidt'sche Heissdampf Gesellschaft, m. b. H., Kassel-Wilhelmshohe, Germany

Application November 16, 1936, Serial No. 111,147
In Germany December 4, 1935
11 Claims. (Cl. 122—236)



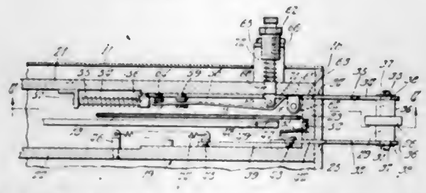
10. A marine water tube boiler having upper and lower headers with vaporizer tube connected therebetween, said tubes forming at least two walls of a heating flue adjacent a side of said boiler, and said tubes being spaced for passing all the combustion gases transversely of said tubes into said flue at the bottom of said boiler, whereby combustion gases ascend said flue behind the tubes adjacent the combustion chamber.

2,149,478

PRINTING MECHANISM

James M. Triner, Chicago, Ill., assignor to Triner Scale & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 27, 1936, Serial No. 71,154
5 Claims. (Cl. 101—93)



1. In a printing-mechanism, the combination of a rotary wheel carrying a series of type-legends on a side face thereof adapted by its movements to bring said legends individually into a printing position, slidable means having a bevelled surface to engage the side face of said wheel opposite that bearing said legends to hold and

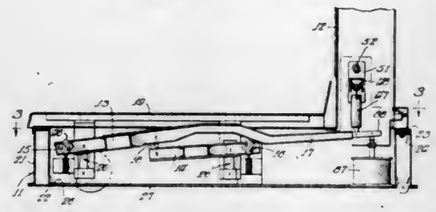
to support the wheel clamped against movement during the printing action, means to guide the element to be printed into position with relation to the type-legend of said wheel which is in printing position, means to press said element and said type-legend against one another to affect the printing operation, and means common to said holding-means and pressing-means to slide said holding-means to clamp said wheel against movement and then to actuate said pressing-means to effect the printing action.

2,149,479

SCALE

James M. Triner, Chicago, Ill., assignor to Triner Scale and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application March 27, 1936, Serial No. 71,153. Divided and this application January 21, 1938, Serial No. 186,034
2 Claims. (Cl. 265—71)



1. In a scale, the combination of a base-housing having hollow side-walls, each composed of an outer sheet-metal member Z-shape in cross-section and an inner sheet-metal member Z-shape in cross-section, said outer member having its lower flange extending outwardly and its upper flange inwardly, said inner member having its lower flange extending inwardly and its upper flange outwardly just beneath and secured to the corresponding flange of its outer companion wall member, sheet-metal reinforcing plates secured to said inner wall-members, a cross-member connected to opposite ones of said inner wall-members and comprising at least at its end portions a pair of parallel bars spaced apart and having terminal flanges secured to the reinforced portions of said inner wall-members, fillers between and secured to the terminal portions of said parallel-bars, a pair of cooperating levers, a scale-platform mounted on said levers, knife-edge fulcrum-means mounting one of said levers on upward extensions of said fillers, suitable fulcrum-means for said second lever, and means to indicate and to balance the weight of the load resting on said platform.

2,149,480

PROCESS OF MANUFACTURING PIG IRON

Max Paschke, Clausthal-Zellerfeld, and Eugen Peetz, Duisburg-Huttenheim, Dusseldorf, Germany, assignors to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 1, 1937, Serial No. 166,718. In Germany April 15, 1936
4 Claims. (Cl. 75—41)

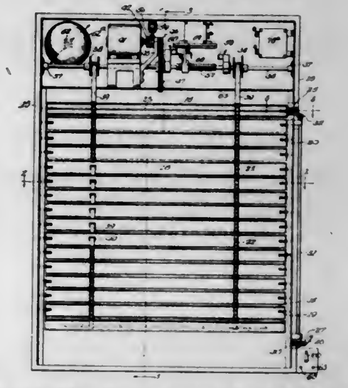
1. The process of manufacturing pig iron from a burden rich in silica and using sulphur containing coke, characterized by the fact that in the lower part of the furnace, de-sulphurizing agents are blown into the charge, which contains slag-forming elements only in such quantities, that a high-sulphur iron would otherwise be produced together with an acid slag of low melting point.

2,149,481

AUTOMATIC SHADE

Edward Van Bosch and Reinhold H. Hoffman, Chicago, Ill.; said Edward Van Bosch assignor to Maurice Van Bosch, Chicago, Ill.

Application January 27, 1936, Serial No. 61,021
7 Claims. (Cl. 156—17)



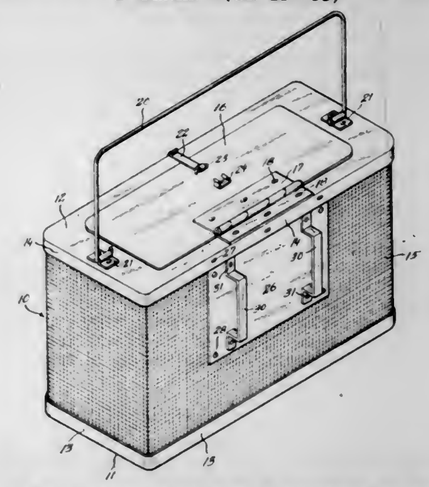
1. In combination a motor for raising a shade, an automatic brake for holding the shade raised, and means for conjointly controlling the motor and the brake.

2,149,482

FISHERMAN'S LIVE BAIT CAGE

Stanley E. Whitaker, Middletown, Ohio

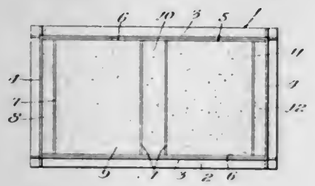
Application October 15, 1937, Serial No. 169,209
1 Claim. (Cl. 43—55)



A bait cage comprising a rectangular sheet metal base having an integral upstanding continuous flange formed along the edges thereof with the corners of said base rounded, a sheet metal top similar in shape to said base and having an integral depending continuous flange formed along the edges thereof with the corners of said top rounded, wire mesh walls joining said base and top with the lower and upper edge portions thereof respectively disposed inside of said base and top flanges and rigidly secured thereto, said top having an opening centrally thereof with the edges of the top defining said opening spaced from all the edges of said top, a sheet metal lid

for said opening serving as a closure therefor and hingedly connected to said top adjacent the rear wall of said cage, a latch on said lid opposite said hinged connection for locking the same to said top, a spring catch on said lid for holding said latch in its unlocked position, a handle pivotally connected to said top in the longitudinal center plane thereof, a sheet metal panel rigidly secured to the rear wall of said cage and to the rear flange of said top and a pair of longitudinally spaced loop attaching members secured to said panel.

2,149,483
FRICTION ELEMENT AND METHOD OF MAKING SAME
Albert Whitelaw, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application May 28, 1936, Serial No. 82,274
1 Claim. (Cl. 18—47.5)

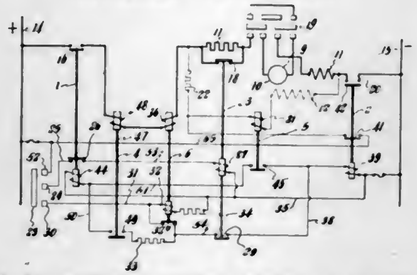


The method of making friction elements having a plurality of sections with different frictional characteristics, which comprises, forming a composite blank of friction material by placing a plurality of removable separating elements into a mould to divide the same into a plurality of compartments, charging certain of said compartments with different constituents to provide said different frictional characteristics, said constituents comprising fillers and themo-plastic binders in dry, discrete particle form, said particles being readily movable with respect to one another, removing said separating elements from said mould and causing a limited substantially uniform intermingling of the particles of adjacent compartments in the space previously occupied by said separating elements, and subjecting the entire mass of particles to heat and pressure to compress the same and form an integral sheet-like blank; and then dividing said sheet-like blank into a plurality of friction elements so that each of said elements includes a minor portion having one set of frictional characteristics and a major portion having a different set of frictional characteristics.

2,149,484
CYCLIC HALOGEN CONTAINING RUBBER DERIVATIVES
Herbert A. Winkelmann and Eugene W. Moffett, Chicago, Ill., assignors to Marbon Corporation, a corporation of Delaware
No Drawing. Application October 31, 1936, Serial No. 108,682
2 Claims. (Cl. 260—111)

1. The method of making a resin-like condensation derivative of rubber which comprises subjecting a mass of finely divided particles of rubber to hydrogen chloride under pressure of the order of 300 pounds per square inch to bring about an exothermic reaction, and allowing the reaction to proceed at such a speed and temperature as to fuse the mass of reacted particles.

2,149,485
MOTOR CONTROL SYSTEM
Claude O. Wood, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 6, 1937, Serial No. 152,066
12 Claims. (Cl. 172—288)

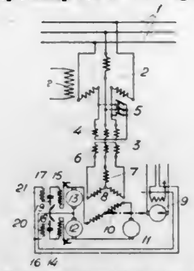


12. In a motor control system, a source of power, a main line circuit leading from said source of power including a positive and negative conductor, a motor having an armature and a shunt field winding, a resistance adapted to be connected in series with said motor and said positive conductor, a control circuit for connecting said motor to the source of power through said resistance and automatically cutting said resistance from the circuit including a manually operable control switch, a contactor adapted to make or break the positive side of the line, another contactor adapted to make or break the negative side of the line, a third contactor adapted to close at a predetermined time interval after said other contactors close to permit said motor to start through said resistance and cut said resistance from the motor circuit, said contactors each having their operating coils in said control circuit, said first-mentioned contactor having a set of auxiliary contacts adapted to break said control circuit and disconnect the operating coil of said third-mentioned contactor from the circuit to permit said contactor to close after a predetermined time interval to short circuit said resistance out of the motor circuit, said second-mentioned contactor having a set of contacts in the circuit to said shunt field and having its operating coil in series with said relay contacts, said first-mentioned contactor being controlled by said relay and adapted to connect said armature to said positive conductor when the circuit in said shunt field reaches a predetermined normal value and disconnect said armature from said conductor when the current in said shunt field is reduced below this value, and another relay in said circuit having its operating coil in said positive line and adapted to break said control circuit upon failure of current in said main line.

2,149,486
METHOD AND ARRANGEMENT FOR SIGNALING OVER ALTERNATING CURRENT NETWORKS
Arle Ytterberg, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application December 10, 1934, Serial No. 756,809
In Sweden December 11, 1933
3 Claims. (Cl. 177—352)

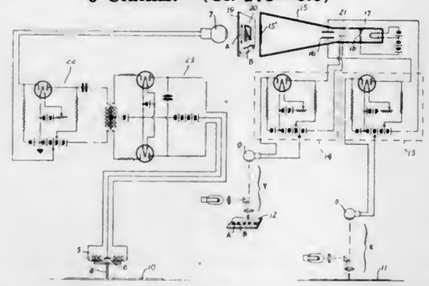
1. A system for electrical signaling or controlling over an electrical alternating current network, which comprises means for superimposing upon the voltage of the network an alternating voltage of the same frequency as the network voltage, means for modulating the superimposed

voltage, and means for receiving the signals by a coaction between the network voltage and the modulated superimposed voltage in apparatus



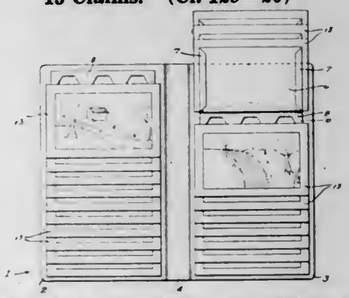
comprising a field excited by the network voltage and a coil substantially traversed by a current caused by the modulated superimposed voltage.

2,149,487
HALF-TONE ENGRAVING AND APPARATUS FOR AND METHOD OF MAKING THE SAME
Myron C. Zilberman, Brooklyn, Leander O. Thunberg, Bronx, and Leo V. Skinner, New York, N. Y.
Application May 15, 1934, Serial No. 725,716
Renewed July 28, 1938
6 Claims. (Cl. 178—6.6)



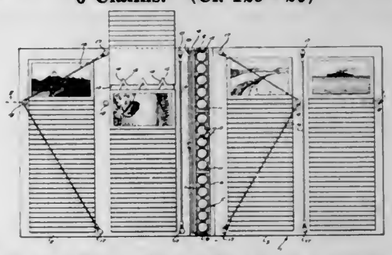
1. Apparatus for photoelectric engraving comprising a picture scanning device, a support for a picture or pattern to be reproduced on a plate, a tool carrier, a plate cutting tool mounted thereon, a support for a plate, means for effecting relative reciprocative movement between said scanning device and the picture support, means for effecting relative reciprocative movement between said cutting tool carrier and said plate support, means for moving the tool carrier into plate cutting position prior to each relative movement between the plate and said tool in one direction and means for moving the tool carrier out of plate cutting position prior to each relative movement between the plate and said tool in the opposite direction, means operatively connected to said scanning device for actuating said cutting tool in accordance with the occurrence of light and dark portions respectively on said picture or pattern carried by said picture support, including an electro-magnet mounted on said carrier and having an armature operatively related to said tool in a manner to effect alternate movement of said tool into and out of cutting engagement with said plate, wherein the means for varying the duration of impulses in the magnet coil circuit include a ray sensitive screen for producing a light spot as the result of ray impact thereon, and means for bending said ray to vary the position of said light spot on said screen, said ray bending means including separate circuits having portions respectively arranged and adapted to produce ray deflecting forces operative in directions at 90 degrees to each other, one of said circuits having controlling devices to produce an E. M. F. of varying value and the other of said circuits having controlling devices to produce impulses of predetermined frequency and duration.

2,149,488
ALBUM
Albert A. Ainsworth, Ossining, N. Y.
Application February 17, 1936. Serial No. 64,289
15 Claims. (Cl. 129—20)



15. A photograph album comprising a supporting sheet, an envelope having its body hingedly connected to the sheet, and means for attaching photographs or like articles in stepped overlapping relation to the supporting sheet for hinging movement relative to the sheet and independently of the envelope body, but in such relation that the envelope body is covered and concealed by one or more of the photographs but may be uncovered for access by the hinging movement of the adjacent photograph away from the sheet.

2,149,489
ALBUM
Albert A. Ainsworth, Ossining, N. Y.
Application April 6, 1936, Serial No. 72,876
6 Claims. (Cl. 129—20)

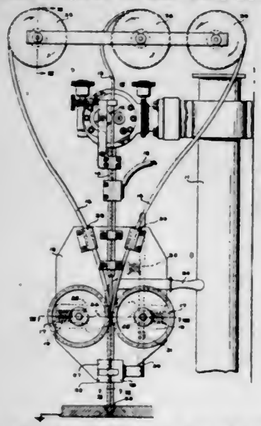


2. In an album, in combination, a supporting sheet adapted to have a tier of photographs hingedly attached to it in stepped relation, a pair of anchor studs secured to the sheet alongside the photograph area, an elastic hold down band connected to the anchor studs, and an additional stud at the opposite side of the photograph area from the anchor studs, about which the elastic band may be passed to cause it to extend over the photograph area.

2,149,490
AUTOMATIC WELDING
Arthur R. Allard, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1936, Serial No. 74,244
5 Claims. (Cl. 219—8)

1. The combination with a welding head for

feeding bare wire from an electrical contact device, of means providing for feeding a plurality of pre-formed and substantially non-deformable flux strips, each of arcuate section and of such radial thickness as to provide abutment side surfaces, in the same general direction as and convergently with respect to the wire so that abut-



ment of the side surfaces of the strips and engagement of the inner concave surfaces thereof with the wire assure of encompassment of the latter by the strips, and means for causing the strips to encompass the wire under pressure sufficient to deflect them from directions of approaching the wire to that of contact parallelism with the latter.

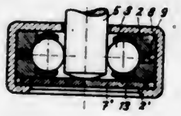
2,149,491
FLUX FOR AUTOMATIC WELDING APPARATUS
Arthur R. Allard, Drexel Hill, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1938, Serial No. 192,024
3 Claims. (Cl. 219—8)



1. In the art of electric welding with flux-covered wire wherein the flux is applied to the wire issuing from the contact device of an automatic welding head, an article of manufacture comprising flux embodied as a substantially non-deformable and preformed strip of arcuate section so that a plurality of strips disposed longitudinally of a wire may substantially encompass the latter, said strip including fluxing and binding ingredients forming a solid aggregate conditioned for welding use.

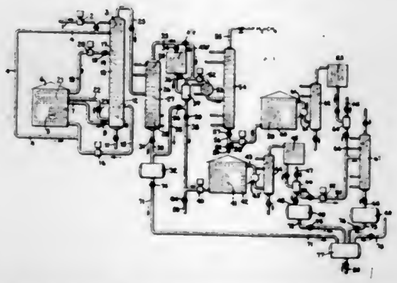
2,149,492
BALL BEARING FOR ROTOR SHAFTS
Robert Annen, Bienne, Switzerland, assignor to the firm Roulements a Billes Miniatures S. A., Bienne, Switzerland, a joint-stock company of Switzerland
Application August 30, 1937, Serial No. 161,664
In Switzerland September 4, 1936
4 Claims. (Cl. 308—188)

1. In a ball bearing arrangement for rotor shafts controlled by a magnetic flux causing small axial displacements, a vertical shaft constituting the inner race, a set of balls, a cage holding the balls in spaced relation, an outer race comprising two rings having symmetrically arranged concave surfaces contacting said balls, a spacing ring



interposed between the said race rings, an abutment member limiting the axial movement of the shaft in one direction, and a one piece jacket member surrounding the race rings and having turned over edges to maintain race rings, spacing ring and abutment member pressed together to form a self contained unit.

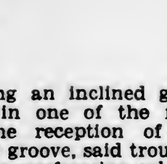
2,149,493
TREATMENT OF HYDROCARBONS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application November 1, 1934, Serial No. 750,972
13 Claims. (Cl. 196—10)



13. In a process for the conversion of hydrocarbon material, the method which comprises subjecting hydrocarbons to conversion conditions of temperature and pressure to form a gasoline distillate, separating substantially all of the hydrocarbons having less than 5 carbon atoms from said distillate, thereby forming a distillate of lower vapor pressure than commercial gasoline, subjecting hydrocarbons of less than 5 carbon atoms thus separated to polymerization to produce gasoline polymers therefrom, stabilizing the resulting polymer products to a higher vapor pressure than said distillate to retain in said polymer products a substantial proportion of hydrocarbons more volatile than those retained in said distillate, and blending the thus stabilized polymer products of relatively high vapor pressure with said distillate of lower vapor pressure than commercial gasoline to form a product of about the volatility of commercial gasoline.

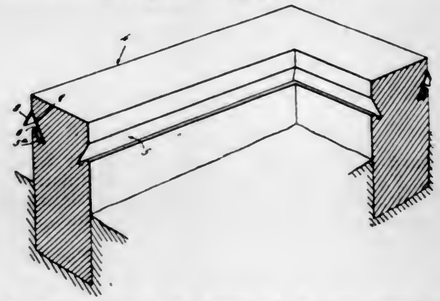
2,149,494
WATER-INSOLUBLE AZO DYESTUFFS
Fritz Ballauf, Cologne-Muhlheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 29, 1936, Serial No. 82,673. In Germany June 8, 1935
8 Claims. (Cl. 260—157)

1. Water-insoluble azo dyestuffs selected from the group of compounds consisting of dyestuffs of the formula:



wherein X stands for a member selected from the group consisting of oxygen, the imino group and an imino group in which the hydrogen atom is substituted by a hydrocarbon radical, Y stands for a member selected from the group consisting of oxygen and sulfur, Z stands for a member selected from the group consisting of hydrogen and a saturated lower alkyl hydrocarbon, R stands for the radical of an ice color coupling component selected from the group consisting of arylamides of 2.3-hydroxynaphthoic acid, 2-hydroxyanthracene-3-carboxylic acid and o-hydroxybenzocarbazole-carboxylic acid, and such dyestuffs substituted in the naphthalene nucleus by substituents which do not cause solubility in water and aqueous alkalies, yielding, when produced on the fiber, in general shades of good fastness to light.

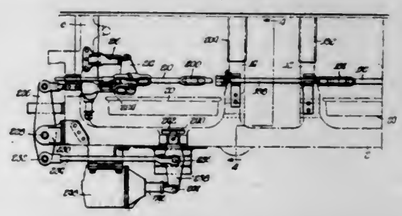
2,149,495
WALL CONSTRUCTION
Clifford B. Barnard and Elmer L. Hahn, McAllen, Tex.
Application December 23, 1937, Serial No. 181,423
1 Claim. (Cl. 43—131)



A wall having an inclined groove extending longitudinally in one of the faces thereof, a trough, for the reception of an insecticide, mounted in the groove, said trough including inclined side walls conforming substantially to the walls of the groove, and an oppositely inclined flange on the upper edge of the inner side wall of the trough, said flange projecting from said one face of the wall and substantially covering the mouth of the trough.

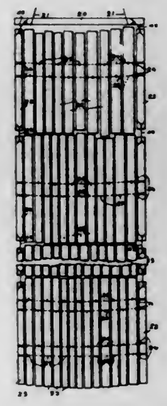
2,149,496
BRAKE ARRANGEMENT
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 18, 1937, Serial No. 175,236
26 Claims. (Cl. 188—46)

1. In a railway car truck a framework, supporting wheel and axle assemblies, power means mounted on said framework adjacent the corners thereof, auxiliary levers fulcrumed at the corners of said framework and operatively connected respectively to said power means, and brake rigging comprising hanger levers supporting brake heads and brake shoes for engagement at opposite sides of each wheel, connectors joining the lower ends of the hanger levers at opposite sides of the truck for each assembly, fulcrums on said connectors adjacent each end thereof, live truck levers supported at opposite sides of the end assemblies and connected at their lower ends to adjacent fulcrums and intermediate their ends to



each other, dead truck levers supported on opposite sides of the intermediate assembly and connected at their lower ends to adjacent fulcrums and intermediate their ends to each other, connections between the truck levers of adjacent assemblies, and operative connections between the live truck levers at opposite ends and opposite sides of the truck and said auxiliary levers respectively.

2,149,497
LOG RAFT AND LOG RAFTING MECHANISM
Hilmer F. Berg, Port Angeles, Wash.
Application June 1, 1937, Serial No. 145,829
6 Claims. (Cl. 9—15)

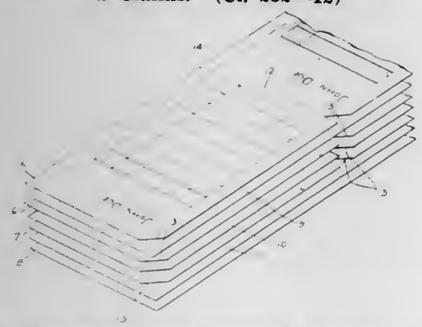


1. In a log raft, a screw spike adapted to be removably secured to a log; a cable choke provided with a cable snubbing surface under which a cable may be positioned and provided with means cooperating with said screw spike to secure the choke to a log; a log provided with a recess of a size to snugly receive said choke therein; and a cable having one end portion connected with said screw spike and threaded around said log and threaded under the cable choke snubbing surface and in contact with the walls of the recess, whereby the cable will be urged into frictional engagement with the log when the screw spike and choke are driven into operative position relative to the log and recess therein and such frictional engagement will resist loosening of the cable.

2,149,498
COMPOSITION FOR APPLICATION TO ORGANIC DERIVATIVES OF CELLULOSE
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application November 7, 1936, Serial No. 109,670
5 Claims. (Cl. 260—348)

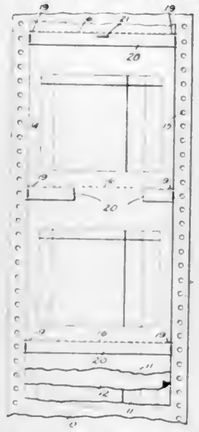
1. Process for the production of cyclic ether polymerization products comprising contacting a cyclic ether in liquid state with fuller's earth, which has been activated by heating for 2 to 7 days until polymers of the ether are formed.

2,149,499
RECORD RECEIVING DEVICE
Edward Kirby Bottle, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application January 28, 1930, Serial No. 424,101
2 Claims. (Cl. 282—12)



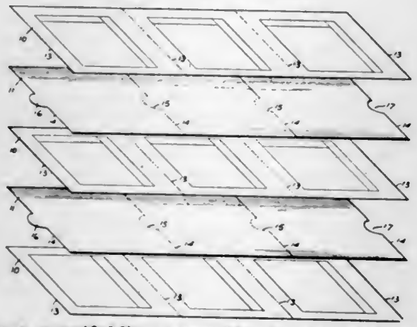
1. In a manifolding assembly, in combination, a plurality of long continuous record strips and a plurality of long continuous transfer strips in interleaved transfer relation with each other, said record and transfer strips having longitudinally spaced transverse weakened severance lines, said weakened severance lines being arranged in depthwise groups in the assembly for simultaneous severance of the strips into sets of record and transfer leaves in interleaved transfer relation, said record and transfer strips having structural features therein positioned respectively at said groups of transverse weakened severance lines and including marginal grip portions of record leaves of respective sets extending outwardly beyond adjacent edges of one or more but not all of the transfer leaves of the same sets, and including also marginal grip portions of one or more but not all of the transfer leaves extending outwardly beyond adjacent edges of record leaves, said structural features thus providing upon severance along said lines spaced selective grip formations for each set of leaves whereby the record leaves of a severed set may be simultaneously gripped at one part of the set to the exclusion of certain but not all of the transfer leaves and whereby certain but not all of the transfer leaves may be simultaneously gripped at another part of the set to the exclusion of the record leaves, said structural features of one of said transfer strips being substantially the same and similarly positioned at each of said leaf sets as the corresponding structural features of the record strips, whereby when a set of leaves is severed from the assembly the transfer leaf severed from said last mentioned transfer strip has its said grip portion positioned in depthwise alignment with those of the severed record leaves of the same set so as to be simultaneously gripped with the latter, thus removing one transfer leaf of a severed set with the record leaves thereof and in interleaved transfer relation therewith.

2,149,500
MANIFOLDING RECORD ASSEMBLY
Edward Kirby Bottle, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application July 12, 1930, Serial No. 467,497
8 Claims. (Cl. 282—12)



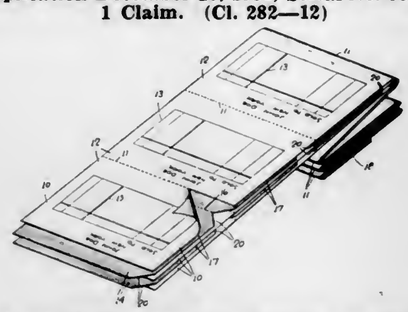
1. A record assembly including a plurality of superposed strips and struck out bar portions forming a part of one of said strips and under which the remaining strips are threaded.

2,149,501
RECORD
Edward Kirby Bottle, deceased, late of Elmira, N. Y., by Sara Jane Bottle, administratrix, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application January 22, 1931, Serial No. 510,389
In Canada January 12, 1931
1 Claim. (Cl. 282—12)



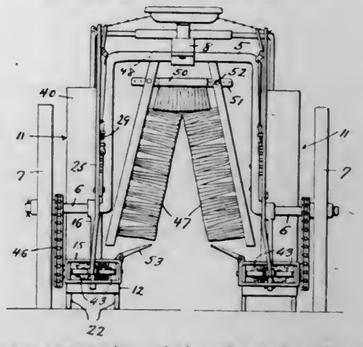
In a manifolding assembly, in combination, a plurality of long continuous record and transfer strips in interleaved transfer relation with each other, said record and transfer strips having transverse weakened severance lines longitudinally spaced apart dividing said strips into record and transfer leaves interleaved in transfer relation, said weakened severance lines being arranged in depthwise groups in the assembly providing for simultaneous severing of the strips into sets of record and transfer leaves in interleaved transfer relation, said record strip severance lines being straight and forming outer boundaries of rectangular record leaves of each said record strip, said transfer strip severance lines each having a part longitudinally deviating from adjacent parts thereof, said deviating part of each line being spaced inwardly from the opposite ends thereof so as to form, upon severance along said lines, grip tabs projecting from the severed edges or ends of the transfer leaves and to form apertures at the respective adjoining severed edges or ends thereof, each said grip tab lying within the general bounds of the strip of which it is a part and being positioned in the assembly wholly between the adjacent overlying and underlying strips, said grip tabs and apertures being spaced inwardly from each of the opposite longitudinal edges of the severed leaves, the respective severance lines extending outwardly between the location of said tabs and the opposite longitudinal assembly edges to points closely adjacent to said edges so that the strip severance may be initiated at either assembly edge, said deviating parts of the severance lines also deviating longitudinally with reference to the respective adjacent parts of the record strip severance lines, whereby the said grip tabs project beyond the adjacent severed edges of the record leaves of a severed set, thus forming a selective grip formation for the transfer leaf or leaves at one part of the severed set, while said apertures in the transfer leaves form a selective grip formation for the record leaves at another part of the severed set, whereby the record and transfer leaves may be separated or stripped from each other.

2,149,502
CONTINUOUS INTERLEAVED RECORD SUPPLIES
Edward Kirby Bottle, deceased, late of Elmira, N. Y., by Sara Jane Bottle, administratrix, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application December 10, 1931, Serial No. 580,002
1 Claim. (Cl. 282—12)



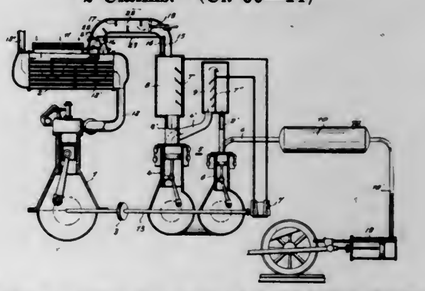
A manifolding assembly including a plurality of relatively superposed continuous record strips and a continuous transfer strip interleaved in transfer relation therewith, each of said record and transfer strips having a series of longitudinally spaced transverse weakened severance lines, said record strip severance lines dividing said record strips into rectangular record sheets, the longitudinal spacing of said severance lines being substantially the same in the record and transfer strips, and the severance lines of said transfer strip being longitudinally displaced from the respectively adjacent severance lines of the record strips, said severance lines extending uninterruptedly across the bodies of the strips and said transfer strip having starter notches leading from the strip edge to the respective transfer strip severance lines.

2,149,503
INSECT DESTROYER
Henry Bowlin, Tensha, Tex.
Application December 13, 1937, Serial No. 179,558
2 Claims. (Cl. 43—133)



1. In an apparatus of the character described, a wheeled vehicle, a pair of opposed frames, means suspending said frames from the vehicle including means for raising and lowering the frames for securing the frames at the desired position of adjustment, and also including means for swinging the frames laterally toward the right or left, said frames being open at the top and bottom thereof, coacting crushing rolls mounted in the frames for crushing insects directed into the frames, horizontal transverse brushes mounted on the vehicle, side brushes depending from the vehicle adjacent the inner sides of said frames, interengaging means on the first and second mentioned brushes for securing the second mentioned brushes at the desired angle of inclination relative to the perpendicular, said brushes being arranged for wiping engagement with plants for brushing insects from the plants into said frames.

2,149,504
MEANS AND METHOD OF SATURATING TRANSMISSION AIR
Emanuele Brunatto, Paris, France
Application May 7, 1936, Serial No. 78,485
In France May 8, 1935
2 Claims. (Cl. 60—14)



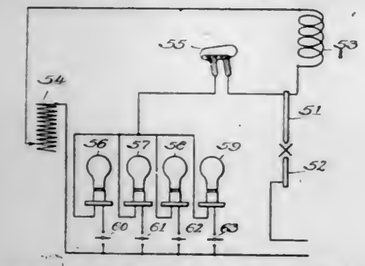
1. In a pneumatic motor transmission having a Diesel motor and a driving cylinder, the combination with a series of compressors actuated by said motor, an air heater, means for transferring exhaust gases at high temperature from the motor into said heater, a filter piping admitting

atmospheric air to the heater, a conduit adapted to convey the heated air from the heater to the first compressor in said series, a valve and a thermostat in the conduit for regulating the temperature of air passing therethrough, a preliminary saturator in said conduit with water spray, another conduit between the first and the next compressor for conveying saturated air to said next compressor in said series, a saturator with water spray in said other conduit, a pipe-line connecting said other compressor with said driving cylinder, a receiver for the air and steam mixture inserted in said pipe-line and an injection pump supplying said sprays.

2,149,505
COMBINED ARC LAMP AND INCANDESCENT LAMP

Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware

Application May 21, 1937, Serial No. 144,090
1 Claim. (Cl. 176—9)



Apparatus of the character described, including: an arc lamp comprising a pair of relatively movable carbons; a solenoid for causing said relative movement; a series circuit including said carbons and said solenoid; a plurality of filament lamps connected in parallel; independent manual switches whereby said filament lamps are selectively controlled; switch means operatively connected to said carbons and affected by movement thereof, said switch being open when said carbons are in contact with each other and closed when said carbons are separated a proper operating distance; and a second series circuit including said carbons, said switch means, and said filament lamps, said second circuit being so arranged that said filament lamps are in shunt about said solenoid.

2,149,506
METHOD OF BLEACHING MINERALS

Albert H. Bump, Watertown, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application July 6, 1936. Serial No. 89,130
9 Claims. (Cl. 252—8)

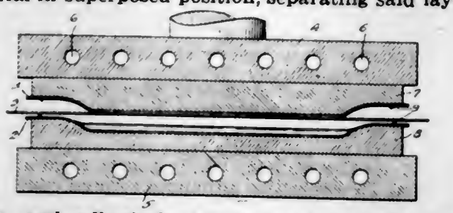
1. The method of bleaching minerals of the clay type which comprises deflocculating a mineral in an aqueous medium and effecting a preliminary reduction thereof by means of sulphur dioxide, and subsequently admixing pulverulent zinc with the aqueous mineral suspension containing sulphur dioxide and effecting bleaching.

2,149,507
METHOD FOR FORMING LAMINATED SHAPED ARTICLES

Russell Walton Camfield, Marion, Ind.

Application January 8, 1937, Serial No. 119,652
6 Claims. (Cl. 144—309)

4. A method of forming laminated, shaped articles which comprises simultaneously shaping a plurality of layers of relatively stiff bendable material in superposed position, separating said lay-

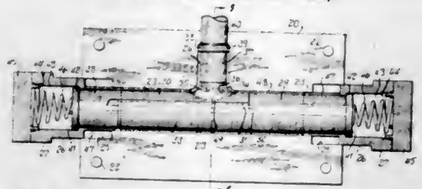


ers, and adhesively securing substantially unshaped core material between and to said layers while similarly shaping said core material.

2,149,508
APPARATUS FOR PRODUCING BRANCH FITTINGS

John S. Coe, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut

Application April 22, 1936, Serial No. 75,699
14 Claims. (Cl. 78—63)

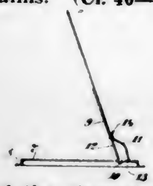


1. An apparatus for producing wrought-metal branch-fittings including in combination: a mandrel designed and adapted to fit within a tubular blank; a fixed non-flowing deflecting-post leading laterally from the said mandrel intermediate the ends thereof and rigidly related thereto; compressing-means movable axially with respect to the said mandrel to force the material of a tubular blank inwardly along the said mandrel and against the said rigid deflecting-post for lateral deflection thereby into cylindrical form by the force of the said compressing-means; and die-means having a channel receiving the said tubular blank and an opening leading laterally from the said channel in alignment with the said deflecting-post.

2,149,509
HOLDER FOR CARDS AND OTHER ARTICLES

James S. Cushman, New York, N. Y.

Application May 28, 1938, Serial No. 210,674
5 Claims. (Cl. 40—152.1)

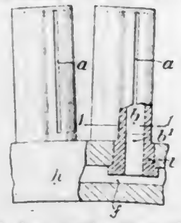


1. A holder of the character disclosed, comprising a base of sheet material having a marginal supporting flange, a raised portion within said flange, a back partially detached and bent up from said raised portion and a retaining finger cut out of said back and part of the raised portion in front of the same, said retaining finger projecting upwardly from the raised portion over the face of the back.

2,149,510
METHOD AND MEANS FOR PREVENTING DETERIORATION OF TURBO-MACHINES

Georges Darrieus, Paris, France, assignor to Compagnie Electro-Mecanique, Paris, France

Application January 17, 1935, Serial No. 2,274
In France January 29, 1934
4 Claims. (Cl. 60—41)

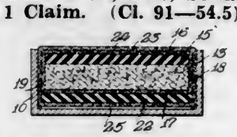


1. A method for protecting the surface of a body having a rounded leading front subjected to fluid at high temperature and provided with orifices such as small slits in said leading front, consisting in conducting fluid of lower temperature, to said slits in order to protect the entire surface of the body with a protective layer of cooler fluid, spilling it evenly from these slits on both sides of the body, without turbulence and in lamellar relation to the working fluid.

2,149,511
INK TRANSFER PAD

John A. Dondero, Brooklyn, N. Y.

Application October 24, 1936, Serial No. 107,393
1 Claim. (Cl. 91—54.5)



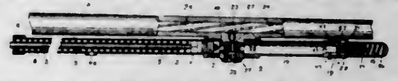
A pad for transferable ink, comprising a container, an ink retainer in the container, a rigid non-absorbent member coextensive with the ink retainer resting on top of the retainer and adapted to inhibit the amount of ink rising upwardly from the retainer, means contacting the exterior of the retainer and the non-absorbent material for retaining said retainer and material in relatively fixed position, means within the interior of the container adapted to support the contacting means, the retainer and the non-absorbent material, and an enclosing member of fine, smooth weave for the retainer, the rigid non-absorbent member, the contacting means and the supporting means, said enclosing member having its free ends retained in fixed position in the floor of the container and being adapted to draw a steady supply of ink material from the retainer laterally thereof to the surface to permit removal of sufficient quantity of ink for forming fine delineations with said ink when used.

2,149,512
AUTOMATIC GUN

Halvor Olsen Eiane, Washington Island, Wis.

Application June 7, 1938, Serial No. 212,230
In Canada August 6, 1937
6 Claims. (Cl. 42—3)

1. In an automatic gas operated gun, a barrel having a bore, a lug projecting from the barrel and having a longitudinal passage extending therethrough and parallel to the bore and a second passage communicating between the bore and the longitudinal passage, said lug also having a valve-chamber concentric with said second passage, a valve seat in the second passage, internal threads in the walls of said valve-chamber, a guide sleeve having external and internal threads received by said valve-chamber, a tumbler-shaped check-valve supported within said guide

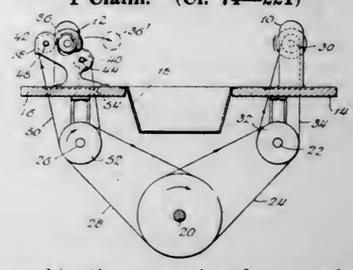


sleeve and engaging said valve seat, a spiral spring within said valve and abutting thereto, a plug having threads received by said guide sleeve and serving as an abutment for the other end of said spiral spring, and means for equalizing gas pressure on the inside and outside of said check-valve.

2,149,513
POWER TRANSMISSION

Emanuel Fischbach, New York, N. Y.

Application June 6, 1938, Serial No. 212,005
1 Claim. (Cl. 74—221)



In combination, a pair of opposed tiltable frames, a first and a second driven pulley on said frames, respectively, a single driving pulley, means including belts for driving the first driven pulley in the same direction as that of the driving pulley, and means for driving the second driven pulley in a direction opposite to that of the first driven pulley, said means including a pair of spaced idler pulleys, belt means encompassing said idler pulleys and said driving pulley to cause rotation of said pulleys in the same direction, the said second driven pulley being adapted to frictionally engage the flight of the belt means between said idler pulleys, means mounting one of said idler pulleys at a lower level than said second driven pulley whereby the latter may be disengaged from said belt means upon tilting of its supporting frame.

2,149,514
GOGGLES

Charles Fischer, New York, N. Y.

Application February 25, 1937, Serial No. 127,591
3 Claims. (Cl. 2—14)



1. Means for ventilating goggles comprising, a metal frame formed with inlet orifices in its lower wall, hoods in the frame adjacent the orifices for directing air toward the front of the frame, a hooded vent in the upper wall of the frame, and an air-entraining tube of U-shaped cross-section mounted on the upper wall of the frame, the air-entraining tube having an inlet in the forward part thereof which opens outwardly, said inlet being formed by slabbing off said tube from the median line thereof to a point along the front

wall of said tube so that part of the forward end and adjoining front wall of the tube are cut away, and an outlet in the rear part of the tube which opens inwardly, said outlet being formed by slabbing off said tube from the median line thereof to a point along the lower wall of said tube so that a part of the rear end and adjoining lower wall of the tube are cut away, the frame vent communicating with said air-entraining tube.

2,149,515

METHOD OF INCREASING YIELD IN THE CATALYTIC SYNTHESIS OF ALIPHATIC HYDROCARBONS

Franz Fischer, Mulheim, Ruhr, Germany, assignor to Studien- und Verwertungsgesellschaft mit beschrankter Haftung, Mulheim, Ruhr, Germany

No Drawing. Application April 15, 1935, Serial No. 16,453. In Germany April 25, 1934
In Germany April 25, 1934
5 Claims. (Cl. 260—449)

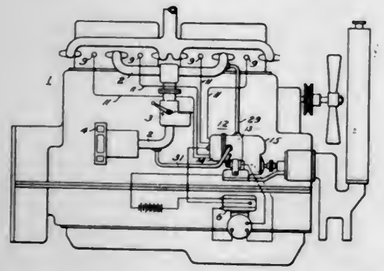
1. A method of increasing the yield in the catalytic synthesis of aliphatic hydrocarbons having more than one carbon atom in the molecule, from carbon monoxide and hydrogen, in which the synthesis is carried out in a number of stages, consisting in effecting partial conversion of the mixture of carbon monoxide and hydrogen in the first stage to the extent of less than ⅔ the available quantity, removing the reaction products and subsequently subjecting the mixture of carbon monoxide and hydrogen to partial conversion in the succeeding stages, each time after separation of the reaction products, and completing the conversion in the final stage.

2,149,516

INTERNAL COMBUSTION ENGINE

Joseph Flamm, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application October 19, 1936, Serial No. 106,266
4 Claims. (Cl. 123—198)



1. An ignition control mechanism for internal combustion engines having an intake manifold, comprising relatively movable contact members subject to arcing due to the passage of an electric current therethrough, a conduit element in communication with said manifold affording substantial resistance to the passage of air therethrough while said manifold is subject to subatmospheric pressure due to the suction of said engine, and an enclosure for said contact members in communication with said conduit element, said enclosure being adapted to be evacuated, to a subatmospheric pressure insufficient to materially aid arcing between said contact members, by the suction of said engine communicated to said enclosure through said conduit element.

2,149,517

DRIED CORN SIRUP PRODUCT AND METHOD OF PRODUCING THE SAME

Raphael S. Fleming, Syracuse, Frederick D. Parker, Fayetteville, and William Gere Hawley, Syracuse, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 16, 1936, Serial No. 59,408
6 Claims. (Cl. 127—30)

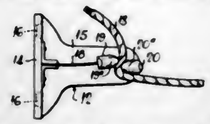
6. A method of producing a dried corn sirup product from a corn sirup containing about 30 to 40% reducing sugar figured as dextrose and about 36 to 28% dextrin comprising diluting the corn sirup to a total solids concentration of about 55% at about 120° F. and atomizing the diluted solution into a desiccating chamber maintained at a temperature between about 182 to 186° F., by forcing the liquid through an orifice having a diameter of .038 inch at a pressure of about 3800 to 4200 pounds per square inch.

2,149,518

LINE HOLDING DEVICE

Thomas Frank, Sr., Charlotte, N. C.

Application May 25, 1937, Serial No. 144,700
2 Claims. (Cl. 24—115)



1. A clothes line anchor comprising a bracket having a base provided with means for securing one end of the same to a post, a laterally projecting bill disposed at its other end and having its surface which is disposed next to the post beveled and having its outer end tapered away from said post, a spring leaf member having one end secured to the said base and having a laterally projecting member on its other end also provided with a beveled edge which is disposed next to the beveled edge of said bill, the outer end of said laterally projecting member on said spring being sloped away from said bill, whereby a cable, rope and the like under lateral pressure will move said spring and its laterally projecting member to allow the cable, rope and the like to be inserted and be clampingly held between the bill and said laterally projecting member on the spring.

2,149,519

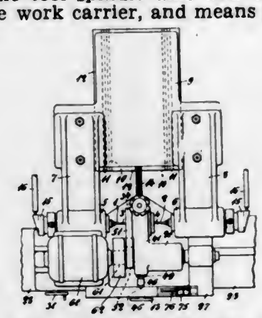
GRINDING MACHINE

Otto Emanuel Frunk, Stockholm, and Hilmer Gustav Adolf Åkerlind, Essingen, Sweden, assignors to Aktiebolaget Linham, Stockholm, Sweden, a company of Sweden

Application November 2, 1937, Serial No. 172,489
In Sweden November 9, 1936
3 Claims. (Cl. 51—95)

1. A grinding machine comprising, a grinding tool support, two longitudinally spaced grinding tool spindles rotatably mounted on said support, a work support, a work carrier mounted on said work support and swingable about an axis parallel with the tool spindle axis so as to allow the work being swung into and out of operating position between the grinding tools, a work holder rotatably mounted on said work carrier, means for reciprocating said tool support and work support one relative to the other longitudinally of the tool spindle axis, means for feeding said tool support and work support one relative to the

other transversely of the tool spindles in a plane through the tool spindle axis and the swinging axis of the work carrier, and means provided on



the work support for holding the work carrier during the grinding operation in an angular position coinciding with said transverse feeding plane.

2,149,520

SYNTHETIC RESINS AND PROCESS OF MAKING SAME

Alphonse Gams and Karl Frey, Basel, Switzerland, assignors, by mesne assignments, to the firm of Ciba Products Corporation, Dover, Delaware

No Drawing. Application October 16, 1929, Serial No. 400,154. In Switzerland November 7, 1928
10 Claims. (Cl. 260—72)

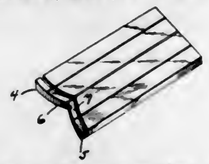
1. A process of manufacturing molded infusible synthetic resins from condensation products of aromatic amines with aldehydes, by treating anhydroformaldehydeaniline with not substantially less than an equivalent proportion of an aniline salt-forming acid with respect to the anhydroformaldehydeaniline in dilute aqueous solution at moderate temperatures and with a formaldehyde yielding compound, eliminating the effect of the acid after reaction has taken place, and molding the resulting mass in a comminuted condition under pressure in excess of atmospheric.

2,149,521

ROOFING TILE

Fritz Georgi, Dresden, Germany

Application June 1, 1937, Serial No. 145,841
In Germany May 30, 1936
7 Claims. (Cl. 108—10)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A roofing tile having a flat upper surface, a swallowtail drip edge and a cross channel indented in said upper surface in the vicinity of and approximately parallel to said edge.

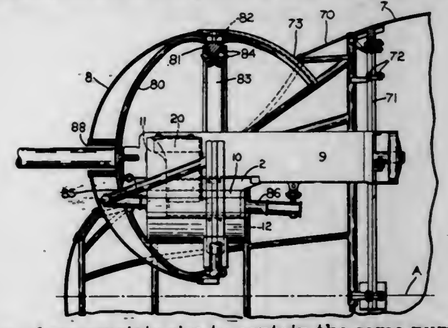
2,149,522

CASE AND LINK RECEIVER FOR AERIAL MACHINE GUNS

John F. Haberlin, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington

Application October 6, 1936, Serial No. 104,198
6 Claims. (Cl. 89—37.5)

1. In combination with a machine gun for use upon an airplane or the like, and an enclosing and supporting shell for the gun, through which only its muzzle protrudes, flexibly mounted upon the airplane, an ammunition box for the supply of ammunition to the gun in link-connected belts, said box being partitioned to define an upper and a lower chamber each having an opening, the upper chamber being shaped to contain such a belt of ammunition and to feed the same through its opening direct to the gun, the lower chamber be-



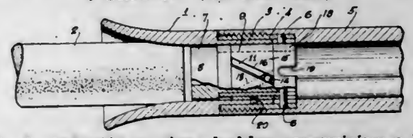
ing of appropriate size to contain the same number of ejected links and cases, received through its opening, complemental means carried the one by the box and the other upon the shell, quickly interengageable and disengageable to support said box in operative relationship to the gun, and means independent of said box and carried upon the shell in operative relationship to the gun and to the lower opening of the box, to conduct to and discharge through the latter, into the lower chamber, the links and cases as ejected from the gun.

2,149,523

CIGARETTE OR CIGAR HOLDER

Gustav Hennings, Mount Vernon, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York

Application December 13, 1938, Serial No. 245,423
7 Claims. (Cl. 131—182)



1. A cigarette or cigar holder comprising a hollow bit, and a hollow tip rotatably telescoping into one another, a telescoping tube and sleeve enclosed within the bit and tip and having respectively right and left hand helical slots, an ejector plunger extending into the tube and sleeve and having a pin projecting into both slots, means for anchoring the tube to the bit against relative rotation, and means for anchoring the sleeve to the tip against relative rotation.

2,149,524

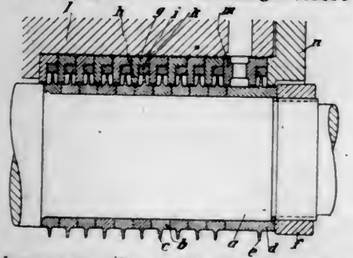
PACKING FOR THE SHAFTS OF ROTARY MACHINES, TURBINES, AND THE LIKE

Gustav Huhn, Berlin-Tempelhof, Germany

Application February 9, 1938, Serial No. 189,672
In Germany January 11, 1937
4 Claims. (Cl. 286—10)

1. A packing for the shafts of rotary machines, turbines and the like, comprising a number of sharpened annular ribs spaced apart on the shaft to be packed, graphite carbon rings fixed opposite to said annular ribs to the unmovable part of

the stuffing box, said graphite carbon rings being jacketed by rings of a material having a coefficient of thermal expansion considerably higher than that of said graphite carbon rings, the outer diameter of said graphite carbon rings before being



jacketed corresponding with the inner diameter of said jacketing rings when the latter are heated to a high temperature, said graphite carbon rings thus being compressed by their jackets at ordinary temperature and expanding with said jackets upon heating.

2,149,525

SEPARATION OF AMINODIPHENYLS

Russell L. Jenkins, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application October 18, 1934, Serial No. 748,895

6 Claims. (Cl. 260—582)

1. The method of separating a predetermined portion of para-aminodiphenyl from a mixture of ortho- and para-aminodiphenyls, which comprises the addition to said mixture of a quantity of sulfuric acid substantially equivalent to said predetermined amount of para-aminodiphenyl and separating the para-aminodiphenyl sulfate thus formed from the resulting mixture.

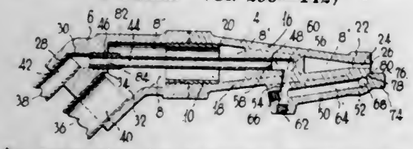
2,149,526

DEVICE FOR CLEANING SURFACES

Le Baron B. Johnson, Bronxville, N. Y., assignor to Oakite Products, Inc., a corporation of New York

Application June 30, 1937, Serial No. 151,247

1 Claim. (Cl. 299—142)



An apparatus for removing different types of coatings from surfaces, comprising a nozzle having a passage therein, said passage having inlet openings at one end thereof for conducting at least two different currents of liquid into said passage, and an outlet opening at the other end of said passage for ejecting at least one of said liquids into the atmosphere, a channel separate from said passage and terminating at its rear end into said passage, a tubular member removably secured at one end to one of said inlet openings and at the other end to the rear end of said channel, the forward end of said channel being spaced from said outlet opening and being inclined relative to the axis of said passage so that the axes of said forward end and said passage intersect at a point spaced forwardly of said outlet opening, whereby said liquids are conducted separately through said nozzle and are intermixed after they have been discharged from said nozzle into the atmosphere when said tubular member is secured within said nozzle, and said liquids are injected through said inlet openings into said passage and intermixed within said passage and ejected together through said outlet opening when said tubular member is removed from said nozzle.

2,149,527

BASIC DERIVATIVES OF FATTY ACIDS AND A PROCESS FOR THEIR MANUFACTURE

Valentin Kartaschoff, Basel, Switzerland, assignor to Chemical Works formerly Sandoz, Basel, Switzerland

No Drawing. Application October 19, 1937, Serial No. 169,918. In Switzerland October 23, 1936

11 Claims. (Cl. 260—404)

1. A process for the manufacture of new basic derivatives of fatty acids, comprising the steps of condensing a hydroxyalkylamine with a body selected from the group consisting of α,γ-glycerinedichlorhydrine and epichlorhydrine, heating the hydroxylated polyamines thus obtained with a body selected from the group consisting of fatty acids containing at least 8 carbon atoms and of their esters, to a temperature of 100–250° C. and transforming the basic compounds thus obtained into their acid addition salts.

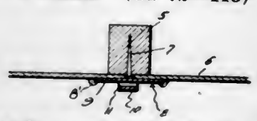
2,149,528

LATH FASTENER

Oliver G. Kelley, Newton, Mass.

Application February 7, 1938, Serial No. 189,193

1 Claim. (Cl. 72—118)



A fastener for securing lathing to lead sheathing, and covering a nail in said sheathing comprising a plate of lead adapted for welding to the sheathing over a nail, said plate being provided with a staple-like relatively thicker member extending centrally from the outer face thereof for use in wiring lathing thereto.

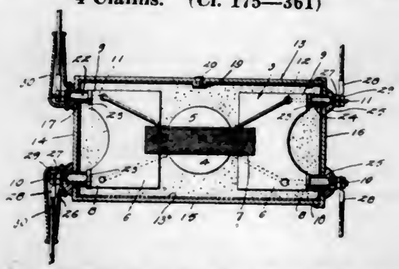
2,149,529

TRANSFORMER UNIT

Victor A. La Fave, Rantoul, Ill.

Application July 21, 1936, Serial No. 91,778

4 Claims. (Cl. 175—361)



1. An electrical unit of the character described comprising a shell having two end walls one of which constitutes a closure, a transformer unit comprising a core and coil windings, a pair of insulation bodies having said core and coil disposed therebetween and secured thereto, each of said insulation bodies carrying a pair of rigid terminals which are electrically connected with the coils of the transformer, said terminals being extended through apertures in the said opposite end walls of the shell, an insulating collar encircling each terminal and extending through the adjacent end wall to space the terminal from the wall, means secured to each terminal and bearing against the collar whereby the transformer and insulating bodies are rigidly suspended by the terminals within and free from contact with the shell, said insulating collars being threadably secured to the shell walls through which they extend, and freely turnable about the terminals therein.

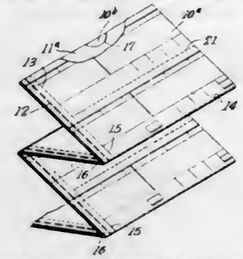
2,149,530

CONTINUOUS INTERLEAVED RECORD ASSEMBLY

Joseph Loweth, New York, N. Y., assignor, by mesne assignments, to J. Stuart Fleming, Niagara Falls, N. Y.

Application May 21, 1930, Serial No. 454,225

1 Claim. (Cl. 282—12)



In a manifolding assembly, in combination, long continuous record and transfer strips interleaved in transfer relation and having longitudinally spaced transverse weakened severance lines whereby the assembly may be divided into record units of interleaved record and transfer sheets, said record strips having longitudinally disposed weakened severance lines extending along one longitudinal assembly margin and transversely of said transverse severance lines to each said record unit so as to form a longitudinally disposed detachable binding margin for each said record strip at each said record unit, said binding margins of the respective record strips being relatively superposed, said record and transfer strips being attached together at said binding margins at each said record unit, each said transfer sheet of each record unit having a grip opening spaced inwardly from each of the opposite longitudinal transfer strip edges and adjoining the respective transfer strip severance lines whereby the respective transfer sheets have edges inset from the adjacent record sheet edges so as to provide a selective grip formation spaced from the binding margin at each said record unit, said longitudinal severance lines of the record strips having elongated cuts adjacent to the respective transverse weakened severance lines and said transfer strip being unweakened corresponding to said longitudinal weakened severance lines of the record strips.

2,149,531

PROCESS FOR TREATING MINERAL OILS

Wilbert B. McCluer and Merrell R. Fenske, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania

No Drawing. Application December 26, 1933, Serial No. 704,052

4 Claims. (Cl. 196—13)

1. A process comprising dissolving a lubricating oil in pyridine, precipitating oil from said solution in steps by successively introducing into said solution desired quantities of methylcellosolve, and removing precipitate formed after each addition of methylcellosolve and prior to the next addition of methylcellosolve.

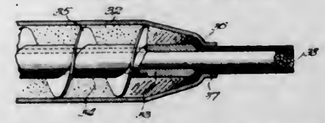
2,149,532

METHOD OF FORMING LINER MATERIAL

Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Original application May 12, 1933, Serial No. 670,799. Divided and this application May 25, 1935, Serial No. 23,527

3 Claims. (Cl. 18—59)



1. The method of forming a composite material comprising continuously extruding a mass of cork to form a cork body and simultaneously extruding around the said body a layer of rubber.

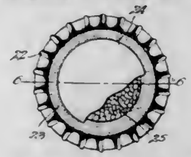
2,149,533

CONTAINER CLOSURE

Charles E. McManus, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application May 12, 1933, Serial No. 670,799

27 Claims. (Cl. 215—40)



1. In a cap of the crown type, a liner disc having a cork core and a surrounding peripheral portion of cellular rubber.

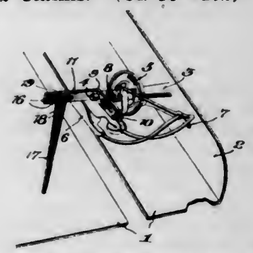
2,149,534

ADJUSTABLE GRAIN CHECK ATTACHMENT FOR GRAIN BINDERS

Fredrick A. Mettler, Hutchinson County, S. Dak.

Application October 25, 1937, Serial No. 170,920

2 Claims. (Cl. 56—472)



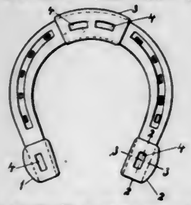
2. A grain check attachment for self-binding harvesters, comprising a right angle bracket member having one of its arms provided with an opening, an adjustable fastening member carried by the other arm of said bracket member adjacent to and mounted for relative movement in a path transverse of the axis of said opening, an elongated rod and means to adjustably connect said rod to the free end of said other arm of the bracket member.

2,149,535

MEANS FOR SECURING WEAR-PROTECTORS OF RUBBER OR SIMILAR MATERIAL TO HORSESHOES

Ole Miöen, Stockholm, Sweden

Application September 27, 1937, Serial No. 165,985
In Sweden October 2, 1936
3 Claims. (Cl. 168—43)



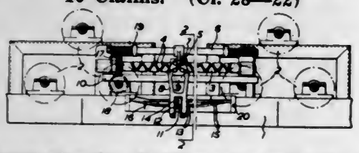
1. Means for securing wear-protectors of rubber or a similar material to horse-shoes, comprising resilient wear-protector body, a securing plate embedded in the resilient body and located at the side of the body adjacent the horse-shoe, at least one wedge-member penetrating said wear-protector body and adapted to be driven into the horse-shoe, said wedge-member having an oblong cross-section and being placed into the horse-shoe with the longitudinal axis of said cross-section lying substantially along the longitudinal direction of the horse-shoe iron, a head at the outer end of said wedge-member, said head having abutments projecting from the sides of the wedge-member and adapted, when driving said member into the horse-shoe, to come into contact with said securing plate, deformable parts at the inner end of said wedge-member, and means in the horse-shoe for deforming said parts when driving the wedge-member into the horse-shoe.

2,149,536

TREATMENT OF TEXTILE MATERIALS

Robert Wighton Moncrieff and Percy Henry Miller, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application September 10, 1936, Serial No. 100,102
In Great Britain September 30, 1935
10 Claims. (Cl. 28—22)



1. Apparatus for dividing and arranging yarns into warp or sheet form, comprising means for forwarding the yarns, a dividing reed adapted to span the yarns, means for bringing said reed into engagement with the yarns at a point along their length, means for drawing said reed in the direction of travel of the yarns and in contact with them, and means for withdrawing the said reed from engagement with the yarns and returning it to the point where it is brought into engagement with the yarns.

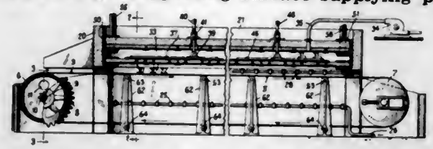
2,149,537

APPARATUS FOR PRODUCING BISCUITS

William Presley Morton, Indianapolis, Ind.

Application May 26, 1936, Serial No. 81,836
Renewed September 27, 1938
6 Claims. (Cl. 107—57)

6. Apparatus for baking biscuit comprising, in combination, an oven chamber; a dough-support in said chamber formed of metal having a thermal capacity approximately equivalent to that of steel mesh weighing about 5 pounds or more per square foot, and said support having an interrupted dough-supporting surface supplying pas-



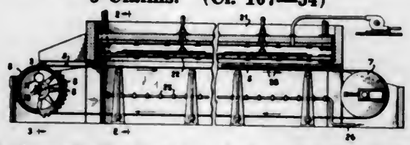
sages for the escape of moisture from the lower face of the dough; a source of heat for heating the support; and means for regulating the volume of the interior of the chamber.

2,149,538

METHOD OF PRODUCING BISCUITS

William Presley Morton, Indianapolis, Ind.

Original application May 26, 1936, Serial No. 81,836. Divided and this application December 18, 1937, Serial No. 180,528
5 Claims. (Cl. 107—54)



1. A method of baking biscuit-dough, characterized by applying heat to the dough by substantially continuous uniform conduction at numerous separated points on the bottom face of the dough, applying heat to the bottom face of the dough intermediate said points, and inducing currents across the bottom face of the dough between said points to carry off moisture.

2,149,539

COMBUSTION APPARATUS

Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1938, Serial No. 183,266
2 Claims. (Cl. 126—167)



1. A grate bar having a section whose depth is substantially greater than its width; having an upper fuel supporting surface; having one face provided with a plurality of spaced and substantially parallel row structures springing therefrom and adapted to extend toward the adjacent lateral face of an adjacent bar to transfer heat to air passing between the bars, each row structure including a series of projections joined by ribs arranged between adjacent projections and the ribs of the row structures providing a plurality of orifices or restricted flow areas in the flow path between adjacent bars; and having the other face provided with depressions aligned with and larger than the outer ends of the projections.

2,149,540

PARACHUTE

Waldemar Müller, Berlin-Spandau, Germany

Application October 27, 1934, Serial No. 750,355
In Germany July 12, 1933
6 Claims. (Cl. 244—142)

1. A parachute apparatus comprising a large main parachute with a set of main shroud lines and ropes suspending the load, a first small auxiliary parachute with a separate set of shroud cords arranged co-axially below the lower mutual connection point of the main shroud lines



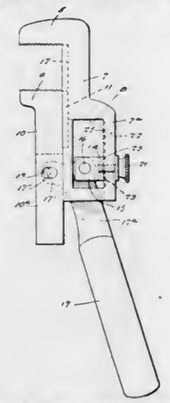
and connected to the load, and a second additional small auxiliary parachute with a separate set of shroud cords arranged over the top of the main parachute.

2,149,541

WRENCH

Joseph John Nagle, Philadelphia, Pa.

Application May 10, 1938, Serial No. 207,131
3 Claims. (Cl. 81—126)



1. A wrench of the character described comprising a pair of complemental jaws each provided with an integral shank. the shank of one of said jaws having a slot in one end thereof and also provided with a groove in one edge thereof extending lengthwise along the shank from the jaw-equipped end thereof, and the shank of the other of said jaws having a rib on one edge thereof engaging in said grove, a block arranged in said slot, the shank of the first-named jaw also having a slot in one edge thereof, an adjusting screw having a threaded shank portion extending through the last-named slot and threadedly engaging said block for drawing said block into binding engagement with the first-named shank to secure the block at the desired position of adjustment, and a handle member provided at one end thereof with a head pivotally connected to said block and also having an eccentric connection with the shank of the second-named jaw.

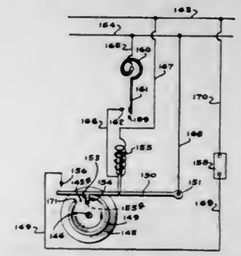
2,149,542

TEMPERATURE CONTROL

Gordon M. Peltz, Lancaster, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original application October 13, 1933, Serial No. 693,457. Divided and this application April 1, 1936, Serial No. 72,105
10 Claims. (Cl. 236—74)

1. In combination, a single circuit main control switch responsive to a condition which it is desired to control, means for controlling said condition, timing means and connections between said main control switch, condition controlling means and timing means for operating said condition controlling means for at least a predetermined minimum period upon closure of



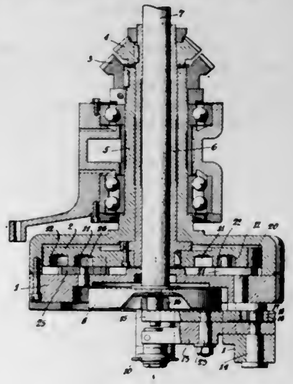
said main control switch and means for placing said condition controlling means solely under the control of said main control switch at the end of said period until a predetermined condition has been reached, causing the opening of said switch, if the switch is still closed at the end of said period.

2,149,543

SEAMING MECHANISM

Joseph Peyser and Willy Diezel, Mount Vernon, N. Y., assignors to Peyser-Hansen Machine Co., Inc., Mount Vernon, N. Y., a corporation of New York

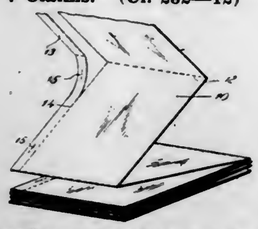
Application December 24, 1936, Serial No. 117,429
6 Claims. (Cl. 113—24)



1. In a non-circular seaming device, a follow-cam; a cam-lever; a cam-roll at one end of the cam-lever to engage the follow-cam to thereby actuate said end of the cam-lever and also constituting a fulcrum on which said cam-lever turns when its other end is actuated; means, at said other end of the cam-lever to actuate it, including a fulcrum on which said cam-lever turns when actuated by the follow-cam; a carrier-lever; a seaming tool, carried by said carrier-lever at one end, the axis of which when in seaming position is substantially in alinement with that of the cam-roll of the cam-lever; means to pivotally support the other end of the carrier-lever independently of but, when the seaming-tool is in seaming position, substantially in alinement with the fulcrum of said other end of the cam-lever; and means to connect the

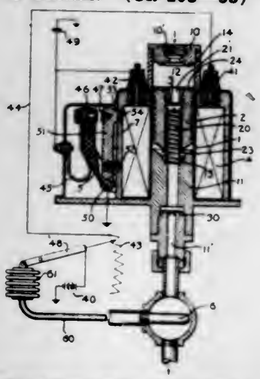
intermediate portions of the two levers to transmit the movements of said cam-lever to said carrier lever.

2,149,544
MULTIFORM STATIONERY STRIP
Arthur H. Phillips, Hempstead, N. Y., and William Allan, Jr., Ridgefield Park, N. J., assignors, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application October 19, 1929, Serial No. 400,953
7 Claims. (Cl. 282—12)



1. Superposed record and transfer strips divided at intervals by transverse weakening lines to form sets of record sheets and interposed transfer sheets, the record strips only having each a longitudinal weakening line forming a detachable strip at overlying margins of such strips, the strips being secured together at points within the boundaries of said detachable strips, and selective grip formations at free edges of each said set of sheets at points spaced from said detachable strips whereby the record sheets may be gripped to the exclusion of the transfer sheets.

2,149,545
ELECTRIC PUMP
Nathan C. Price, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 1, 1937, Serial No. 177,527
6 Claims. (Cl. 103—53)

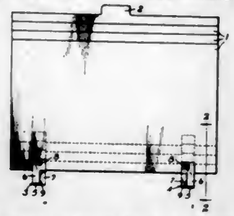


1. In combination with a nonmagnetic cylindrical conduit, a closure for each end thereof, each having a connection for the supply and discharge, respectively, of fluid, an axially bored plunger of magnetic material loose within and reciprocable lengthwise of the conduit, means urging said plunger against one such closure, an electromagnetic coil surrounding the conduit, and when energized pulling the plunger in the opposite direction, valve means to restrict flow through the plunger and conduit to a single direction, automatic intermittent make-and-break means to repeatedly energize said coil, and an extension projecting axially from an end of the plunger, the closure at such end having a registering recess closely receiving said projection, to trap liquid as a cushion to check movement of the plunger.

2,149,546
FLOTATION AGENTS AND PROCESS OF CONCENTRATING ORES THEREWITH
Anderson W. Ralston and William O. Pool, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 7, 1937, Serial No. 141,374
6 Claims. (Cl. 209—166)

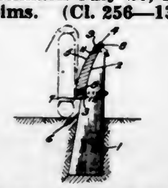
1. In the froth flotation of ores the step which comprises subjecting to froth flotation an aqueous pulp of the ore containing a mixture of saturated and unsaturated aliphatic carboxylic acids in which acids having at least five and not more than ten carbon atoms predominate.

2,149,547
CARD INDEX
Benjamin G. Rand, Glendale, Calif., assignor to Remington Rand Inc., Buffalo, N. Y.
Application October 12, 1937, Serial No. 168,630
4 Claims. (Cl. 129—16.5)



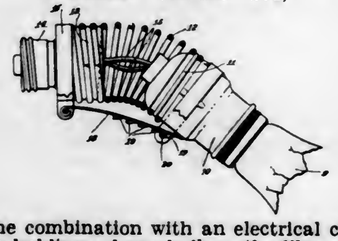
1. A card index, comprising a plurality of cards normally adapted to be filed upright on edge, a pair of clip members secured at one end to a margin of each of said cards in spaced relation and having the opposite ends extending beyond said margin and formed to provide slots beyond said margin extending perpendicular thereto, projections on said clips beyond said margin for engagement in the slots of the clips on an adjacent card for connecting said cards, said slots being longer than the transverse dimension of said projections and providing for limited relative edgewise movement of connected cards for offsetting the opposite margins in visible index relation.

2,149,548
SAFETY FENCE FOR HIGHWAYS
Svend Aage Rasmussen, Silkeborg, Denmark
Application July 16, 1937, Serial No. 154,055
In Denmark July 20, 1936
3 Claims. (Cl. 256—13.1)



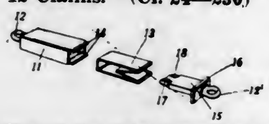
1. Safety fence for highways comprising fixed spaced posts, and a longitudinal guard rail supported by said posts at height above the highway sufficient to clear the base of a tire, said guard rail having its highway-facing side arched convexly in an upward and backward direction, with its lower portion in foremost position toward the highway and projecting beyond those sides of said posts which face the highway.

2,149,549
ADJUSTABLE LAMP SOCKET
Leonard W. Reis, Jersey City, N. J., assignor of one-half to Edwin Werner, New Dorp, Staten Island, N. Y.
Application February 23, 1938, Serial No. 191,886
5 Claims. (Cl. 248—274)



1. The combination with an electrical connection for holding a lamp bulb or the like, another electrical connection for supporting the first connection, flexible conductors between said connections, of the improvement which includes an adjustable spacing means between said connections comprising a flexible support around said conductors, said support being substantially circular in cross section, a latch for holding said support flexed, and means loosely or freely rotatable on each connection for angularly adjusting said latch around said support.

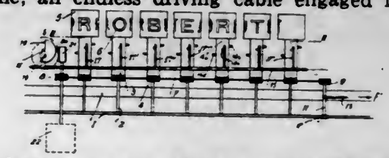
2,149,550
COUPLING FOR ELECTRICAL AND MECHANICAL PURPOSES
Arthur Francis Ward Richards and Harold Bright, London, England
Application July 25, 1935, Serial No. 33,174
In Great Britain July 30, 1934
12 Claims. (Cl. 24—230)



1. A coupling of the class described, comprising a member having a socket, a resilient detent carried by said member within said socket, a male member adapted to enter said socket and rotatable therein about its longitudinal axis and at least one stop projecting transversely from said male member adapted to engage behind said detent, that portion of said male member adjacent said stop being of relatively wide, flat cross-section and in contact with said detent and said stop being spaced from one edge of said member and of relatively small height as compared with the width of said member, whereby said member when twisted about its longitudinal axis moves the detent clear of said stop.

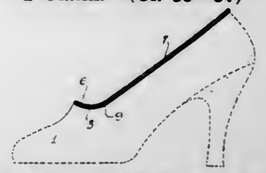
2,149,551
APPARATUS FOR PUBLICITY
André Robert, Evreux, France
Application August 1, 1936, Serial No. 93,896
In France August 2, 1935
6 Claims. (Cl. 40—76)

1. An advertising device of the type described which comprises, in combination, a series of members rotatable about respective parallel axes, a support carrying a plurality of signs around its periphery mounted on each of said members, all of these members being provided with respective circumferential grooves all located in the same plane, an endless driving cable engaged in all



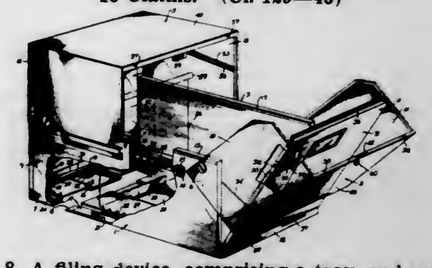
of these grooves in slipping frictional engagement therewith, means for continuously driving said cable, and means for intermittently stopping all of these rotary members simultaneously in predetermined respective positions.

2,149,552
SHOE
Samuel Schlesinger, Brooklyn, and William Seidenberg, New York, N. Y.
Application June 9, 1936, Serial No. 84,282
Renewed January 21, 1939
1 Claim. (Cl. 36—57)



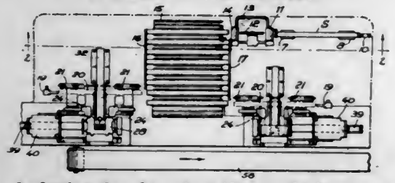
A shoe upper provided with an elastic binding extending across the throat and back along the sides of the upper edge of the upper for a distance back of the throat and arranged for the greater portion of its length in edge to edge abutting relation to the free edge of the upper with the ends of said elastic binding turned into the interior of the upper, stitches securing said binding to the upper and extending transversely of the longitudinal axis of the elastic binding in every plane including such axis, and a non-elastic binding extending around the remainder of the free edge of the upper and overlapping the ends of the elastic binding and permanently secured to the upper.

2,149,553
FILE
Hans Schmid, Saarbruecken, Germany, assignor to Remington Rand Inc., Buffalo, N. Y.
Application July 22, 1937, Serial No. 155,052
In Germany November 13, 1936
15 Claims. (Cl. 129—43)



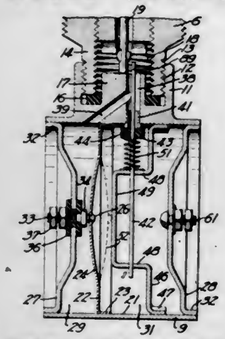
8. A filing device, comprising a tray, end walls hinged on said tray movable between upright and inclined positions, and covers pivoted on said tray engaging and cooperating in closed and open positions to support said end walls in both upright and inclined positions.

2,149,554
MACHINE FOR THE PRODUCTION OF BOX PARTS
Johannes Schmiedel, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Muller & Co., Dresden, Germany
Application July 24, 1937, Serial No. 155,537
In Germany July 27, 1936
8 Claims. (Cl. 93—39)



1. A device for forming the neck from a strip, comprising, in combination two plungers, means for moving the one plunger towards the strip set on edge, lateral folding devices between which the strip is folded into a U-shape by said plunger, fingers serving to hold the U-shaped strip during the return of said plunger, recesses on said plunger which are engaged by said fingers, means for moving the second plunger at right angles to the direction of movement of the first plunger thereby entering the U-shaped strip, means for finally folding the strip around said second plunger and a holding arm provided on the said second plunger adapted to be applied laterally against and on the top of the strip at the side comprising the joint.

2,149,555
LOW-PRESSURE ALARM FOR TIRES
Frederick E. Smith, San Leandro, Calif.
Application October 21, 1936, Serial No. 106,724
3 Claims. (Cl. 200—58)



1. A low pressure alarm comprising a hollow housing, a diaphragm in and dividing said housing into a plurality of chambers, means for admitting air under pressure into each of said chambers, means for resiliently resisting the flow of air into one of said chambers, an electrical contact in one of said chambers, and a portion of said diaphragm pressure-biased to alternately snap into each of said chambers and into engagement with said contact.

2,149,556
ELECTROSTATIC CLEANER
Jesse H. Smith, Westfield, Mass.
Application November 9, 1936, Serial No. 109,919
1 Claim. (Cl. 15—104)

An electrostatic cleaner comprising a substantially oblong body formed with arcuate ends and tapering in thickness from the center to each end and formed with a plurality of parallel longitudinal fins projecting from its under surface, each of said fins being formed with downwardly converging ends, said body being also formed with



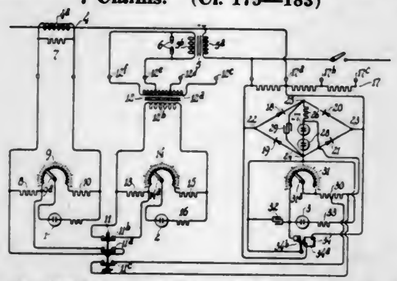
a plurality of parallel longitudinal grooves recessed into its upper surface, said grooves being interrupted at the center of said body, to provide a smooth pressure area for the finger tips of an operator.

2,149,557
FOUNTAIN PEN
John A. Snodgrass, Prescott, Ark.
Application May 19, 1936, Serial No. 80,546
1 Claim. (Cl. 120—42)



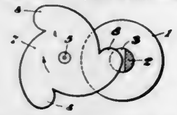
In a fountain pen comprising a transparent ink barrel, a plug member secured to the lower end of the barrel, said plug member having a tongue-like extension disposed off center or eccentrically of the plug member, and a recess in the plug member for seating the pen nib, whereby the latter is held in the recess and partially embraces said tongue-like extension, said fountain pen including a transparent tapered nipple secured over the said plug member, said tapered transparent nipple having a piece of metal forming its lower end and provided with an aperture through which only the writing point of the pen extends, an ink duct extending through the said plug member from the said nib to and communicating with the transparent ink barrel, an ink wick extending from the nib through the ink duct in the plug member and reaching into the upper end of the ink barrel, and a support member being secured to the inner end of the tongue-like extension and extending into the ink barrel for the support of the said wick element.

2,149,558
MEASURING INSTRUMENT
Carroll Stansbury, Wauwatosa, and Arthur Simon, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 2, 1935, Serial No. 182
7 Claims. (Cl. 175—183)



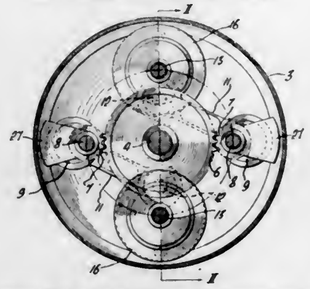
1. A device for measuring a characteristic quantity of an electrical energy impulse of short duration from a source of energy supply comprising a measuring circuit including a glow discharge tube which emits light upon the application of a given voltage thereto, means to impress a voltage which is a function of said quantity upon said circuit in response to an impulse and means to impress a portion of said voltage which differs slightly from said emission voltage, including pushbutton means to modify said last named voltage portion and further including means adapted to indicate the ratio between said impressed voltage and the mean value of said modified voltage and said portion of said voltage, said indicating means being provided with a calibration to indicate directly the magnitude of said quantity.

2,149,559
ELECTRIC MOTOR
Emile Steinmann, La Chaux De Fonds, Switzerland, assignor to the firm Schild & Co. S. A., La Chaux De Fonds, Switzerland, a firm of Switzerland
Application May 9, 1938, Serial No. 206,943
In Switzerland May 12, 1937
4 Claims. (Cl. 172—36)



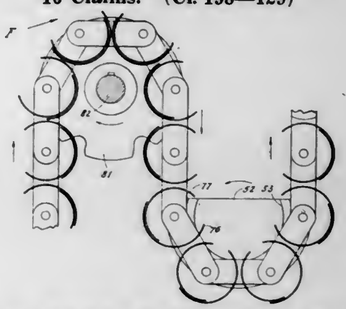
1. An electric motor comprising an electromagnet including a winding and a core, one end of the core projecting beyond the winding, said end of the core being provided with a notch, an armature including a rotatable shaft extending parallel to the core, a disk on said shaft, said disk being provided with peripheral projections destined to penetrate through said notch upon rotation of said shaft, an electric circuit, a circuit interrupter including contact members moving with said shaft, and a stationary contact member coacting with said movable contact members to open and close the circuit when the armature arrives in predetermined angular positions relative to the core.

2,149,560
VARIABLE SPEED POWER TRANSMISSION MECHANISM
Sydney Hassitt Teece, deceased, late of Boulia, Queensland, Australia, by Queensland Trustees Limited, executor, Brisbane, Australia
Application December 22, 1937, Serial No. 181,246
In Australia March 2, 1937
11 Claims. (Cl. 74—259)



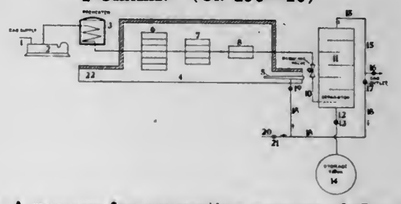
1. In variable speed power transmission mechanism, a driving member, a planet gear, a driven gear meshing with said planet gear, a shaft, a connecting rod operatively connected between said planet gear and said shaft so as to cause the latter to oscillate during planetary movement of the planet gear, a weight or inertia body disposed about said shaft, and loose coupling means connecting said weight to said shaft so that the weight oscillates with the shaft but is free during a portion of each stage or stroke of each complete oscillation to turn in relation to the shaft, whereby the reactions set up by the momentum and inertia of the weight continuously oppose rolling or planetary movement of the planet gear.

2,149,561
PROCESSING APPARATUS
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 25, 1936, Serial No. 76,403
16 Claims. (Cl. 198—129)



1. In an apparatus for processing cans of material having a processing chamber, an endless conveyer for carrying cans through said chamber comprising a pair of spaced apart endless chains, and a carrier for each link of said chain for receiving one or more cans in end to end relation, each carrier including a pair of nested semi-cylindrical members mounted concentric with and for relative pivotal movement about the pivotal axis of corresponding adjacent links of said chains, whereby flexing of corresponding adjacent links of said chains determines the adjustment of each carrier, means for guiding said conveyer past a loading station, means for guiding said conveyer from said loading station into said chamber and in alternately ascending and descending paths through said chamber, means for guiding said conveyer from said chamber past a discharge station, and drive means for said conveyer.

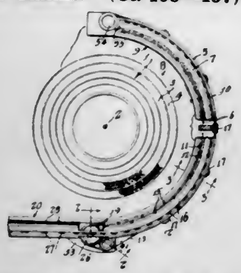
2,149,562
PROCESS FOR PRODUCING LIQUID FUELS FROM GASEOUS OLEFINS
Hermann Velde and Heinrich Tramm, Oberhausen-Holten, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany, a corporation of Germany
Application April 27, 1937, Serial No. 139,336
In Germany May 11, 1936
4 Claims. (Cl. 196—10)



2. A process for converting gaseous olefins into

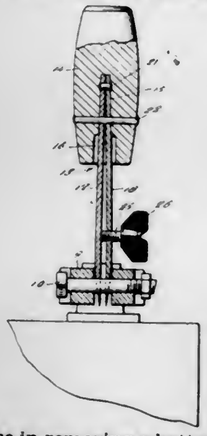
liquid fuels by the use of high pressures and temperatures without the use of catalysts, consisting in reducing the cross-sectional area of the stream of gases as polymerisation progresses.

2,149,563
CONVEYER APPARATUS
Merit Joy Warner, Santa Paula, Calif.
Application June 28, 1937, Serial No. 150,668
19 Claims. (Cl. 198—137)



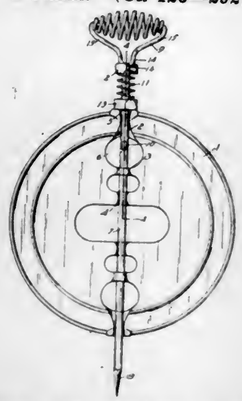
1. In a conveyer for boxes or the like, the combination of a flexible flat belt formed of pliable material, means for guiding the belt so that a run of the belt presents its flat face in a substantially vertical plane and its edge against the boxes to be advanced by the conveyer, and rotary devices removed from the said run of the belt for engaging the boxes and cooperating with the said run of the belt to facilitate the advance of the boxes.

2,149,564
BATTERY CLAMP REMOVER
Thomas E. Waters, Atlantic, Iowa
Application November 13, 1936, Serial No. 110,759
Renewed July 28, 1938
1 Claim. (Cl. 81—3)



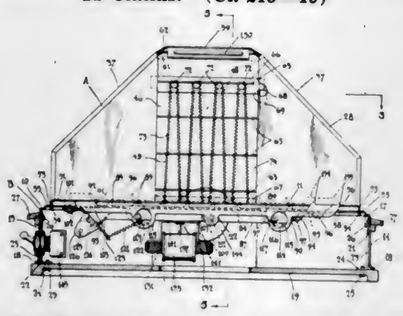
A tool for use in removing a battery clamp having split ends, said tool comprising a handle, a pair of resilient jaws of platelike form rigidly connected at one end to said handle, said jaws being normally close together at their free ends for insertion between the split ends of said clamp and relatively separable to spread said split ends apart, said free ends of the jaws having straight inwardly beveled edges, respectively, to facilitate their insertion between the split ends of said clamp and said free edges being bifurcated to straddle the bolt of said clamp, and means operative to separate said jaw, comprising a wing bolt threaded through one jaw for manipulation against the inner side of the other jaw.

2,149,565
DAMPER
Carl R. Anderson, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 26, 1936, Serial No. 71,006
1 Claim. (Cl. 126—292)



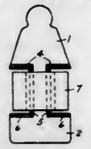
In a damper, the combination of a plate; a spindle extending from the plate; a handle formed with an inwardly extending loop, the inner end of the loop being welded to the end of the spindle, the outer end of the loop being extended forming handle arms; a washer on the spindle having a washer-opening adapted to receive the rod, said washer-opening being shaped to receive the inner end of the loop, placing the weld inwardly from the outer face of the washer; and a spring between the washer and the plate, said washer being of thimble form receiving the outer end of the spring.

2,149,566
TOASTER
William M. Anderson, Minneapolis, Minn., assignor to Kerner and Anderson, Minneapolis, Minn., consisting of Frank J. Kerner and William M. Anderson, both of Minneapolis, Minn., a copartnership
Application May 10, 1935, Serial No. 20,828
11 Claims. (Cl. 219—19)



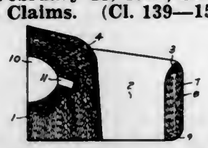
9. In a bread toaster, means forming a passageway, said means including a way along which bread travels, a crank, a feed mechanism operated by said crank and including a dog, movable through said way into and out of said passageway, said crank and mechanism being movable toward and from said way, means for holding said crank and feed mechanism in adjusted position relative to said way, and means for toasting the bread in its passage through said passageway.

2,149,567
HOLD-UP FOR TEXTILE MACHINERY
Henry M. Bacon, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 18, 1938, Serial No. 191,285
4 Claims. (Cl. 139—154)



1. A new article of manufacture for use as a lug strap holder comprising a laminated body of rubber and fabric layers comprising horizontal portions and an interconnecting narrow vertical portion, said vertical portion and edges having rounded edges and the adjacent edges of the horizontal portions having rounded edges, said edges being formed by compressing the fabric layers to cause them to curve in parallel to the contour of the edges.

2,149,568
PICKER FOR TEXTILE MACHINERY
Henry M. Bacon, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 18, 1938, Serial No. 191,286
5 Claims. (Cl. 139—159)



1. In combination, a picker body having a picker stick opening therethrough, one end of said opening having rounded edges flaring outwardly, said picker having a recess shuttle guide on one face thereof with a guiding passageway angularly disposed with respect to the base of said recess, the walls adjacent said guiding passageway being of dense reinforced construction.

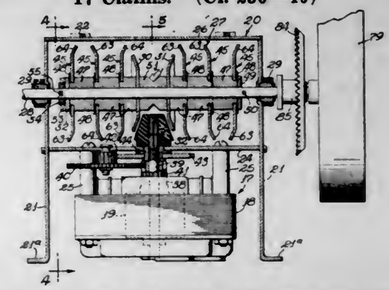
2,149,569
REVERSIBLE ELECTRIC MOTOR
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1937, Serial No. 171,629
8 Claims. (Cl. 172—278)

1. A reversible alternating current motor of the shaded pole type comprising, in combination, a stator core comprising a stack of laminations of magnetizable material, said laminations being apertured within their marginal edges to define a rotor recess bordered by a plurality of spaced annularly disposed inwardly projecting integral pole pieces of generally rectangular shape, a rotor mounted in said recess for induced rotation and including a cylindrical magnetizable core having a squirrel cage winding thereon, the faces of said pole pieces formed integrally from said laminations being arcuate in shape conforming to the contour of said rotor and being exposed thereto, U-shaped bridge members fashioned from portions of highly magnetically permeable sheet metal embracing alternate ones of said pole pieces and press fitted thereon with the legs of said bridge members extending substantially between adjacent pole pieces, the faces of the legs of said bridge members being arcuate in shape and conforming to the contour of said rotor, means for



permanently shading some of said pole pieces with at least one unshaded pole piece intervening between consecutive shaded pole pieces, and means including a plurality of selectively available energizing windings encircling said pole pieces for energizing the same in alternate groups, each group comprising a shaded pole piece and an unshaded pole piece on one side or the other thereof depending upon the direction of rotation selected.

2,149,570
RADIO TUNER
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1938, Serial No. 209,250
17 Claims. (Cl. 250—40)

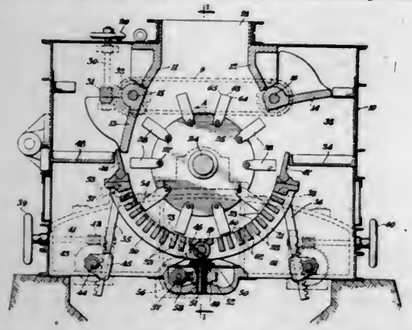


3. In a power actuated radio receiver tuner a rotor sub-assembly for defining predetermined tuning positions of a rotatable tuning element and controlling the direction of rotation of the element in moving to the selected positions, comprising, a shaft, a sheet metal disk, said disk having a peripheral notch therein and having the edge portion thereof fashioned to form two segmental oppositely tapering frusto-conical cam surfaces facing generally axially of the disk and lying on opposite sides of a diameter passing through the said notch, and means for adjustably securing said disk on said shaft.

2,149,571
HAMMER MILL
William A. Battey, Haverford, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application October 30, 1936, Serial No. 108,317
10 Claims. (Cl. 83—11)

9. A reversible hammermill comprising a housing, a crushing chamber within the housing and having a substantially horizontal axis, said crushing chamber having its opposite sides symmetrical with relation to a longitudinal vertical plane containing the chamber axis, a system of pivoted hammers in the chamber rotated as a unit around a substantially horizontal axis parallel with the axis of said chamber, inlet means opening through the upper portion of the

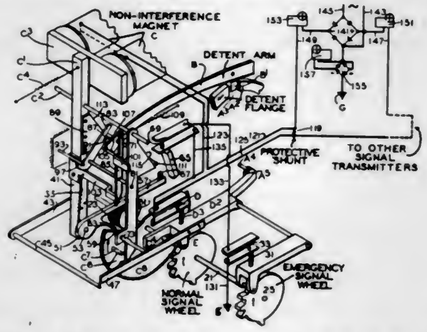
chamber wall and symmetrically arranged with reference to said vertical plane containing said axis for introducing the material to be crushed into the chamber over said hammer system, means for rotating the hammer system at impact crushing speed in either direction to initially fracture the material being crushed, a breaker plate forming a wall of said chamber at one side of said plane and mounted in the housing and spaced from the hammer path by a distance greater than the diameter of the largest piece of material to be crushed and acting to intercept mate-



rial from the feed means impacted by the hammers when rotated in one direction, another breaker plate forming an opposite wall of said chamber and symmetrically mounted at the other side of said plane with respect to the first mentioned breaker plate and similarly spaced from the hammer path and acting to intercept material from the feed means impacted by the hammers when rotated in the other direction, and a discharge outlet for the crushed material through the lower portion of the chamber below both of said breaker plates.

2,149,572
SIGNAL MECHANISM
Clarence Edward Beach, Brookline, Mass.
Application April 16, 1936, Serial No. 74,706
Renewed August 3, 1938
8 Claims. (Cl. 177—361)

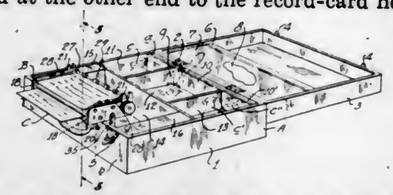
1. In a signal device operable for a series of formulating cycles,—means manually operable from a normal to a fully actuated position for initiating operation of said device, means for maintaining said manually operable means in fully actuated position and for permitting restoration thereof after a predetermined number of such cycles, circuit controllers subject to concurrent code signal formulating actuation incident to each formulating cycle of the operation of said device, an electromagnet having a winding conductively associated with one of said controllers, a part movable to a first position in which it is retainable responsive to energization of said magnet, to a second position from which it is movable to said first position responsive to such energization, and to a third position where it is unaffected by such energization, means for effecting movement of said part from its second to its third position only following a predetermined extent of operation of said device throughout which said part has remained in its said second position and thereafter only at a predetermined operating cycle stage, said last named means comprising a member pivotally connected with said part for engagement with a moving member of said device to restrain movement of said part from its said second to its said third position, said member subject to actuation responsive to operation of said device to a position permitting movement of said part from its said second position to its said third position, a member alternatively positionable for rendering said associated one of said controllers effective and ineffective, means for effecting positioning of said member to render said one controller effective only while said part is in its first position, said last named means involving a non-interference latch pivotally connected with said second named member, engageable with a surface movable with said part and with a stationary surface whereby said second named member may be retained in effective positioning while said part is in its said first position and said non-interference latch will be moved out of the path of the part-associated-surface during ineffective positioning of said member, means for moving said member from the position rendering said controller ineffective to the position rendering it effective only at a predetermined stage of an operating cycle, means for rendering the other of said con-



trollers effective only when said part is in the third of its said positions, means for preventing full restoration of said manually operable means to its normal position following operation of said device for the aforesaid predetermined series of formulating cycles, and means jointly controlled by said part and said second named member for rendering said restoration preventing means effective only when said second member is positioned for rendering said associated controller ineffective and said part is withdrawn from its aforesaid third position, said jointly controlled means comprising a succession latch pivotally associated with said second named member and carrying a surface which may be brought into the restoration path of said manually operable means, a spring urging movement of said latch to such obstructing position, and surfaces moving with said succession latch whereby said latch will be rendered obstructingly effective only when said part is in its said first or second position and said member is positioned for rendering said associated controller ineffective.

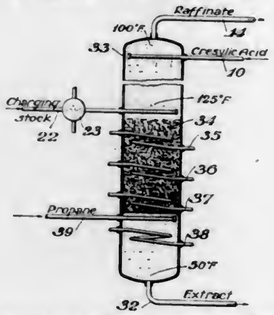
2,149,573
FINGERPRINTING DEVICE
Orville T. Bounds, Centralia, Ill.
Application October 26, 1936, Serial No. 107,605
11 Claims. (Cl. 41—4)

10. In a finger-printing device, a carrying case having a plurality of compartments, one of said compartments being adjacent an outside face of the carrying case, a record-card holder adapted to fit in overlying superposed relation upon the bottom of said compartment with its forward longitudinal margin parallel to and adjacent said outside face, links disposed for swingable operation at right angles to said outside face and being pivotally connected at one end to the bottom adjacent said outside face and being pivotally secured at the other end to the record-card holder



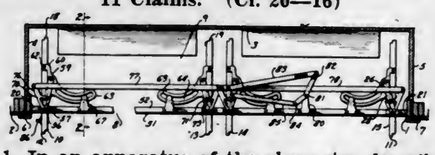
at a point spaced substantially rearwardly from the forward margin of said record-card holder, and spring means co-operatively associated with the links for normally urging the links downwardly into the compartment.

2,149,574
SOLVENT EXTRACTION OF WAXY OILS
Arthur B. Brown, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 29, 1936, Serial No. 87,917
8 Claims. (Cl. 196—13)



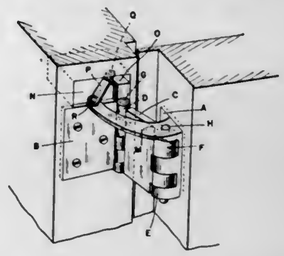
1. The method of countercurrently extracting a waxy oil stock in a packed tower which comprises introducing the waxy oil charging stock at a point in the tower above the packing material and at a temperature at which the waxy oil is fluid and mobile, introducing solvent at the top of said tower and flowing downwardly in said tower countercurrent to the upward flow of paraffinic and waxy materials, withdrawing extract from the base of said tower and cooling the extract material in the lower part of the tower whereby the paraffinic oil is released from the extract solution and the downcoming extract solution is contacted with said released paraffinic oil in the packed section of the tower.

2,149,575
DOOR MOUNTING MECHANISM
Maurice Glenn Bundy, Kansas City, Kans., assignor to H. H. Potter, Kansas City, Mo.
Application February 5, 1937, Serial No. 124,217
11 Claims. (Cl. 20—16)



1. In an apparatus of the character described, pairs of doors, means pivotally and swingingly mounting the doors in a door opening, a guide track on each of the respective doors, means engaging the guide tracks to control movement of the doors to and from open position, and means operably connecting the pairs of doors whereby the doors are operated in unison.

2,149,576
HINGE STRUCTURE
Stuart H. Caldwell and Rowland J. Black, Detroit, Mich., assignors to Christian Girl, Detroit, Mich.
Application March 23, 1936, Serial No. 70,442
2 Claims. (Cl. 16—164)

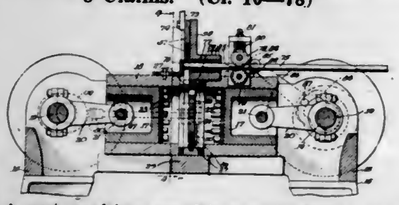


2. A hinge comprising a pair of members for attachment respectively to the door and the body or jamb, a single load-carrying link having its opposite ends pivotally engaging the respective members and lying transversely between the same in the closed position of the door, an arm comparatively thin in vertical dimension projecting from the door member at one end thereof to overlap said link and jamb member and extend beyond the same in rear thereof, a lug projecting from said jamb member, and a comparatively thin pivotal link having one end thereof connected to said lug and having its other end connected to said arm at its free end, the total vertical dimension of said arm, lug and connecting link being so restricted as to require but slight cutting away of the jamb to receive the same.

2,149,577
DISTILLATE OIL FROM STILL RESIDUES
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania
No Drawing. Application June 17, 1936, Serial No. 85,747
2 Claims. (Cl. 196—75)

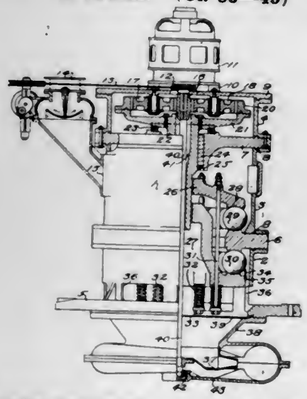
2. The herein described method of recovering useful products from still residue derived from treatments of separation and purification conducted in light oil recovered from coal-coking ovens which comprises separating the volatile content of the still residue by blowing live steam through the still residue heated to a temperature substantially above 250° C. adequate to render it thin and free flowing, resultantly to obtain as the volatile content of the still residue a distillate aromatic solvent oil distilling within the approximate range of 150° C. to 360° C. and a hard resin-like residuum as the non-volatile content of the still residue, separating the distillate oil from condensate water by heating the mixed oil and water to a temperature approximating 90° C. and by settling and decantation, purifying the oil so dehydrated, and recovering therefrom the fraction boiling within the approximate range of 275° C. to 300° C.

2,149,578
NUT MAKING MACHINE
William J. Carney, Columbus, Ohio
Application January 24, 1938, Serial No. 186,550
8 Claims. (Cl. 10—78)



1. A nut making machine embodying opposed slides, a circular die carrying member disposed between said slides, channel members into which the peripheral edge of the said die carrying member projects whereby said die carrying member is supported by its periphery for free rotation, means disposed to one side of said member for feeding a strip of material, means operating to sever the material, the last said means having co-operating therewith resilient means for holding and positioning the severed material in alinement with one of the dies carried by said member, co-operating tools carried by said slides and operating on opposite sides of the material in the die, and a source of power actuating the slides, the material feeding means and the means for severing and positioning the material.

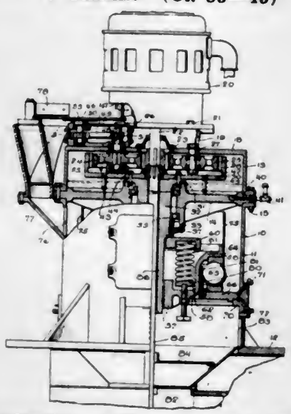
2,149,579
PULVERIZER MILL
Harry R. Collins, Allentown, Pa.; May H. Collins administratrix of said Harry R. Collins, deceased
Application October 1, 1934, Serial No. 746,343
11 Claims. (Cl. 83—45)



6. A pulverizer mill comprising the combination of a casing, a fixed grinding ring carried by the casing a rotating grinding ring operatively related thereto, an annular series of grinding elements operative between the rings, the rotating grinding ring having a central opening, a fan below the grinding rings for forwarding pulverized material, and means above the rings for driving the rotating ring at relatively slow speed and the fan at relatively high speed from the same source of power, comprising a main driving shaft extending downwardly into the opening in the rotating grinding ring and engaging the walls thereof, speed reduction means for driving the shaft, the shaft having a central bore, a fan shaft extending through the bore and connected to the fan, and common means for driving the fan shaft and the speed reduction means.

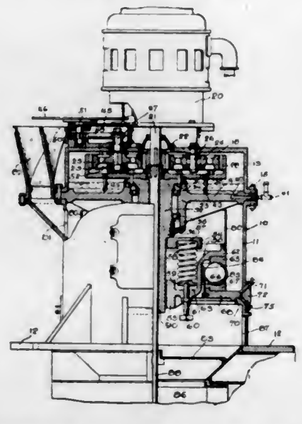
8. A pulverizer mill comprising the combination of a casing, a fixed grinding ring carried by the casing and having a grinding surface on its lower side, an annular series of grinding elements engaging said surface, a rotating grinding ring supporting said grinding elements, means for delivering material thereto, means to drive the rotating grinding ring, a cylindrical classifying dam secured to the peripheral portion of the rotating grinding ring and on the discharge side thereof, the dam being vertically adjustable to control the degree of fineness of the ground material discharging thereover, the casing being provided with air inlets located immediately below the rotating grinding ring, a fan located below said inlets and having its suction side opening into the lower portion of the casing whereby to induce an air stream through said inlets and into which the ground material discharging over said dam falls, said fan being concentric with said rotating ring driving means and being driven thereby.

2,149,580
PULVERIZER MILL
Harry R. Collins, Allentown, Pa.; May H. Collins administratrix of said Harry R. Collins, deceased
Application August 12, 1936, Serial No. 95,657
7 Claims. (Cl. 83—45)



5. A pulverizer mill comprising, in combination, a casing including upper and lower sections, a main bearing plate arranged between the sections and forming with the upper section a compartment, a grinding assembly including a rotating grinding ring contained within the lower section, a driving motor carried by the upper section, speed reduction means arranged in the compartment and operative between the driving motor and the rotating grinding ring, the speed reduction means including a ring gear having a bottom plate, and an idler gear shaft, the casing having an inlet opening, a rotating feed table operatively related thereto, driving connections between the idler gear shaft and the rotating feed table, the upper casing and the main bearing plate forming a main oil reservoir, the ring gear and its bottom plate forming a secondary rotating oil reservoir, the ring gear carrying scoop pipes adapted to extend into the oil contained in the main reservoir to supply oil to the secondary reservoir, thus to lubricate the speed reduction means, and the upper section of the casing carrying scoop pipes adapted to extend into the secondary oil reservoir to supply oil to the drive connections between the idler gear shaft and the rotating feed table.

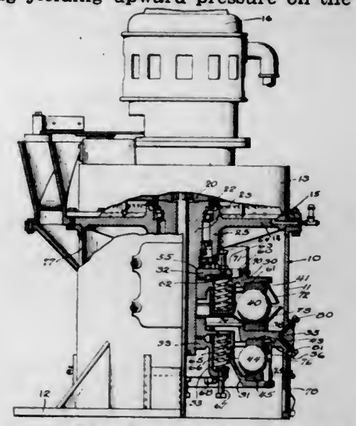
2,149,581
PULVERIZER MILL
Harry R. Collins, Allentown, Pa.; May H. Collins administratrix of said Harry R. Collins, deceased
Application August 12, 1936, Serial No. 95,659
5 Claims. (Cl. 83—45)



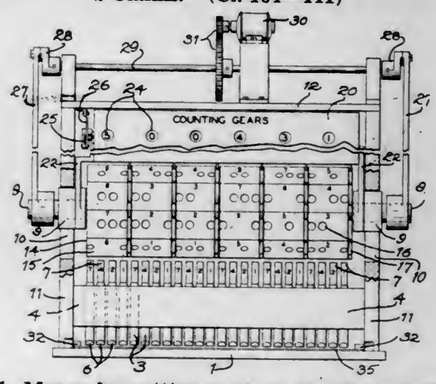
1. A pulverizing mill comprising, in combination, a casing, a fixed grinding ring carried thereby, a rotating grinding ring, an annular series of grinding elements operatively arranged between the rings, the rotating ring having a central shaft opening of angular section, a drive shaft supported from above the grinding rings, the shaft extending downwardly through the opening and having a lower portion of angular section corresponding to the angular section of the ring opening, whereby to provide a driving connection with the rotating ring, driving means for the shaft, and means rotating with the shaft and the rotating ring for exerting yielding grinding pressure on the grinding elements, said means including a spring abutment member disposed above the rotating ring and compression springs operative between the member and the rotating ring, the abutment member having a central shaft opening of angular section corresponding to that of said lower shaft portion, whereby the shaft has a driving connection with the member, both said shaft openings being larger than said lower shaft portion whereby the shaft may be raised freely out of driving connection with the rotating ring and said member.

2,149,582
PULVERIZER MILL
Harry R. Collins, Allentown, Pa.; May H. Collins administratrix of said Harry R. Collins, deceased
Application October 21, 1936, Serial No. 106,906
19 Claims. (Cl. 83—45)

1. In a pulverizer mill, the combination of upper and lower rotating grinding rings, an intermediate fixed grinding ring, upper and lower annular series of grinding elements disposed between the upper and intermediate rings and between the intermediate and lower rings, the upper and lower grinding rings being each provided with a central shaft opening, a driving shaft extending through said openings and operative to drive the rotating rings, spring means for exerting yielding downward pressure on the grinding elements of the upper series, spring means for exerting yielding upward pressure on the grinding elements of the lower series, each said spring means including a plurality of springs and a member against which said springs react, and a drive connection between the driving shaft and said members, whereby both said spring means rotate with the rotating grinding rings.

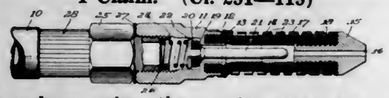


2,149,583
CARD PUNCHING AND SLOTTING MACHINE
Edward G. Corcoran, Los Angeles, Calif., assignor to Sanford D. Buster, Jr., Sausalito, Calif.
Application April 26, 1937, Serial No. 138,878
2 Claims. (Cl. 164—111)



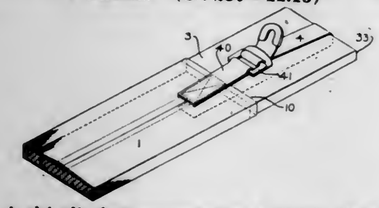
1. Means for cutting cards or the like in coded positions comprising a plurality of cutting dies having termini alined in a single row, a plurality of die wheels, each wheel having a plurality of planar faces, and being rotatable to present a face to one or more of said termini, said faces having recesses therein to receive one or more of said termini in accordance with a predetermined code, means for rotating each wheel to set up a combined recess code presented to said termini, means for positioning a card beneath said dies, means for reciprocating said wheels as a unit to cause certain of said termini to engage the unrecessed portions of said faces and move said engaged dies through the edge of said card to form open slots along said edge, and means for changing the faces of said wheels presented to said termini between reciprocations.

2,149,584
HOSE VALVE
Harold G. Davis, Denver, Colo.
Application July 29, 1936, Serial No. 93,187
1 Claim. (Cl. 251—115)



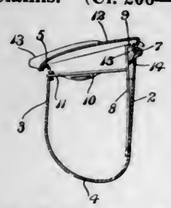
In a hose valve, the combination of a valve housing provided with a centrally located bore and counterbore, said housing having an annular seat between said bore and counterbore, a valve comprising a seating member arranged in said bore and having an axially extending stem located in said counterbore, said stem extending beyond said sleeve and being fixedly secured to said seating member, a flexible tubular hose carried by said sleeve and enclosing said stem, said hose being adapted to bend sufficiently to engage the end of said stem and rock said valve off its seat, a wear-resisting lining for said hose located in said flexible hose in a position to engage the end of said stem and overlapping a substantial portion of the end of the stem, whereby the bending of said flexible extension is limited to a portion thereof centrally located with respect to the stem, a spring coiled around the hose, having one end fixed to the valve cage and tending to maintain said hose in a coaxial position, and a spring engaging said seating member in said housing and normally urging said seating member in contacting engagement with the annular valve seat.

2,149,585
SKI CLIMBER
Chester R. Dawson, Seattle, Wash.
Application August 10, 1937, Serial No. 158,307
7 Claims. (Cl. 280—11.13)



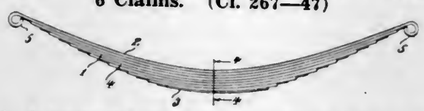
1. A ski climber comprising a sleeve of flexible material open at its front and rear ends to fit over the rear end of a ski, releasable means to secure its forward end to the ski, and means associated with the rear end of the sleeve and engageable with the ski to tension the sleeve lengthwise of the ski.

2,149,586
ASH RECEIVER HINGE
Rudolph F. De Boer, Grand Rapids, Mich., assignor to Applied Arts Corporation, a corporation of Michigan
Application May 8, 1937, Serial No. 141,420
8 Claims. (Cl. 206—19.5)



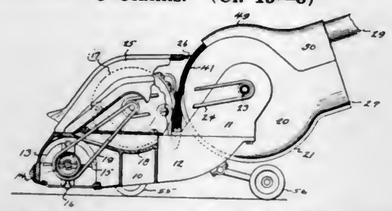
8. A receptacle having an open side, a cover therefor, means for pivotally connecting said receptacle and cover, said connecting means being separable by movement transverse to the axis of said pivot, spring means acting to maintain said separable means in connecting relation, and means coacting with said spring means serving to positively limit opening of said cover.

2,149,587
SPRING
William E. Dillehunt, Baltimore, Md.
Application July 29, 1938, Serial No. 221,894
6 Claims. (Cl. 267—47)



1. A spring having substantially the shape and function of an assembled leaf spring for wheeled vehicles consisting of a main leaf of the full length spring, and successively shorter leaves, a plurality of said leaves consisting of a single piece of folded sheet metal, the adjacent longitudinal edges only of the leaves, comprising creases connecting the edges of successive adjacent leaves.

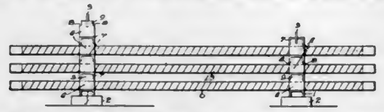
2,149,588
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application June 8, 1936, Serial No. 84,072
5 Claims. (Cl. 15—8)



1. In a vacuum cleaner, a motor, a fan case disposed in a longitudinal vertical plane behind and pivotally mounted with respect to said motor on a transverse horizontal axis, a cover for said fan case, a handle secured to the fan case, an electrical conductor attached to the end of the handle adjoining the fan case and to the motor, said conductor including a free section extending between said points of attachment, said conductor being led over the fan case at the handle beneath the cover of the fan case, said conductor being of such length as to permit a free bowing thereof adjacent the fan case and motor, said fan case and motor being so constructed and arranged that the conductor may be reeled onto and off from the fan case as the latter is rotated by the handle, and means sheathing said bowed and reeled conductor, said means comprising a metallic element arranged about the conductor.

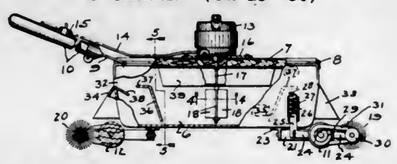
2,149,589
MEANS FOR STACKING PIPE
Alexander J. Duaei, Lombard, Ill.
Application September 7, 1937, Serial No. 162,631
7 Claims. (Cl. 211—60)

1. In a pipe stacking rack, a channel bar having perforations in its web near its ends, a supporting block registered with each end of said bar and having one end shaped to fit between the flanges and against the web of said channel bar, there being a socket in each block registered with



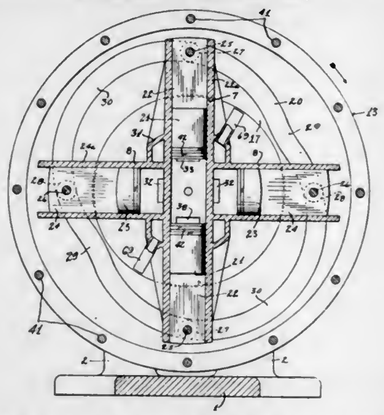
a perforation in said web, and a pin disposed in said socket and extending through the registered perforation and above said web.

2,149,590
RUG SCRUBBER
Herbert K. Fatout, Indianapolis, Ind.
Application July 31, 1936, Serial No. 93,565
8 Claims. (Cl. 15—50)



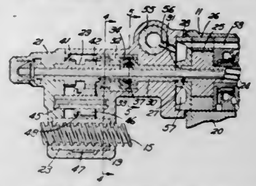
1. In a machine of the character specified, a movable receptacle adapted to contain a liquid capable of forming suds when agitated and having a discharge opening above the water line of the liquid, a brush having connection with and accompanying the receptacle and having suds distributing and scrubbing contact and movement with a surface to be cleaned, an agitator in said receptacle below the discharge opening rotatable about a vertical axis for making suds out of the liquid and discharging them from the receptacle, and means for conducting the suds to and through the opening and to the brush.

2,149,591
CRANKLESS DIESEL ENGINE
Frank J. Fette, Tampa, Fla.
Application October 7, 1935, Serial No. 43,863
3 Claims. (Cl. 123—55)



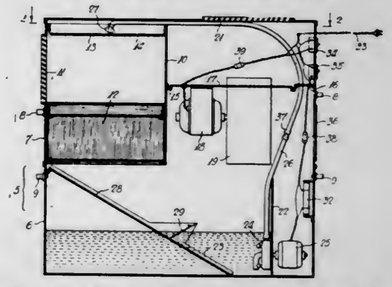
1. In a rotary engine, a cam, a power cylinder, two opposed pistons in said cylinder having a combustion space in the cylinder between them, the cylinder having inlet and exhaust ports uncovered by outward movement of the pistons, two air compression cylinders each with a piston therein, the cam being mounted for rotation, means operatively engaging the cam with both power pistons and both compression pistons at intervals of ninety degrees of the cycle, the cam being of a configuration to produce two inward and two outward movements of the compression pistons during each revolution, the actuation to compress air occurring during the power stroke of the power pistons, the air compression cylinders communicating with the inlet port to deliver air under pressure for scavenging longitudinally of the power cylinder when the power pistons reach the end of their stroke, and means to supply fuel to the combustion space between the power pistons.

2,149,592
FEEDING MECHANISM FOR ROCK DRILLS
Albert Feucht, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application September 28, 1937, Serial No. 166,153
6 Claims. (Cl. 121—5)



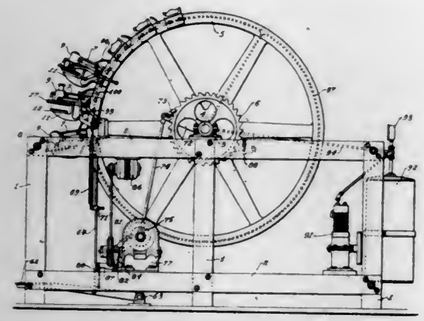
1. In a drilling apparatus, the combination with a support, of a drilling motor slidable on the support having a fluid actuated piston reciprocable therein, of a rotation mechanism included in said motor automatically actuated due to the reciprocatory motion of said piston, of a feeding mechanism for said motor including a stationary screw carried by the support in operative engagement with a rotatable nut carried by the motor for effecting feeding motion of the motor upon rotation of said nut, and resilient means for transmitting rotation from said rotation mechanism to said nut.

2,149,593
AIR CONDITIONING APPARATUS
Walter L. Fleisher, New York, N. Y.
Application February 24, 1936, Serial No. 65,315
6 Claims. (Cl. 261—29)



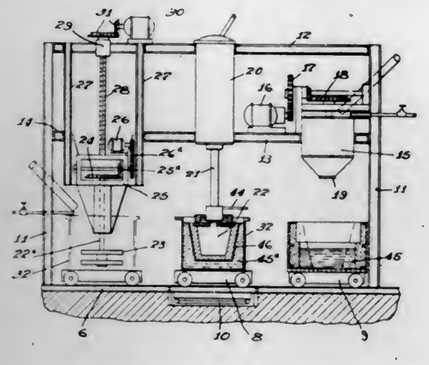
1. In an air conditioning apparatus, a first group of glass wool threads, a second group of glass wool threads, the threads of said first group being substantially parallel to a common plane which is angularly disposed with respect to a second plane, the threads of said second group being substantially parallel to said second plane, and means for passing air successively through said first group of threads and said second group of threads.

2,149,594
UPPER UNITING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Application September 19, 1935, Serial No. 41,232
16 Claims. (Cl. 12—51)



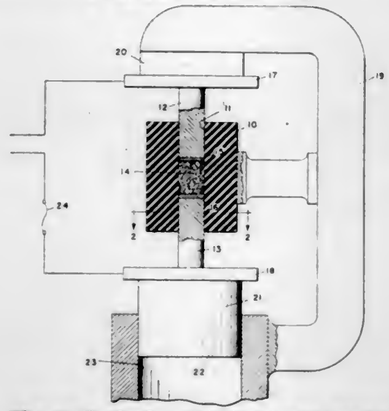
1. A machine of the character described, comprising, means for supporting upper parts, a head movable toward and away from said supporting means, means for latching the head against movement, an expansible diaphragm on the head for compressing the upper parts against the support, and means operable only when the head is latched for controlling the diaphragm without unlatching the head.

2,149,595
PROCESS FOR MAKING CLAY POTS
Clarence E. Fulton, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 12, 1938, Serial No. 195,559
1 Claim. (Cl. 25—156)



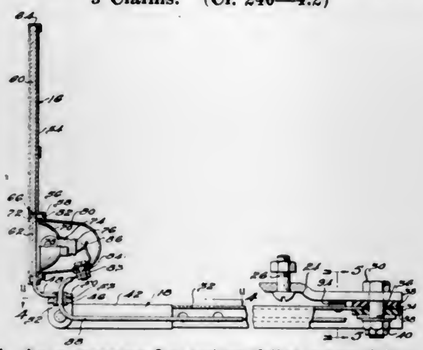
A process for making a two-layer pot which consists in depositing a sufficient clay batch to form the body portion of a pot in a semi-fluid condition in a pot mold, dipping a core of absorbent material into a slip of clay composition until a layer of such composition is accumulated on the core, and then forcing such core with said layer thereon down into the semi-fluid batch in the pot mold causing such batch in the mold to rise and form the sides of the body portion of the pot, allowing the batch to set with the core in position therein, and finally removing the core and mold.

2,149,596
METHOD FOR PRODUCING METALLIC MATERIAL
Horace W. Gillett and Russell W. Dayton, Columbus, Ohio, assignors to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio
Application June 8, 1936, Serial No. 84,233
9 Claims. (Cl. 75—22)



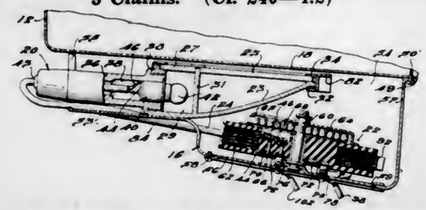
1. The method of reclaiming scrap machinings of an alloy such as bronze having high electrical conductivity, which comprises confining said machinings, passing electric current through said machinings of a current density sufficient to cause a strong pinch effect, applying the minimum pressure to said machinings necessary to balance the pinch effect, and discontinuing the passage of current after a predetermined interval.

2,149,597
ILLUMINATED VEHICLE MIRROR
Christian Girl, Wayne E. Dunston, and Stuart H. Caldwell, Detroit, Mich., assignors to Kelch Heater Co., a corporation of Michigan
Application June 24, 1936, Serial No. 86,948
5 Claims. (Cl. 240—4.2)



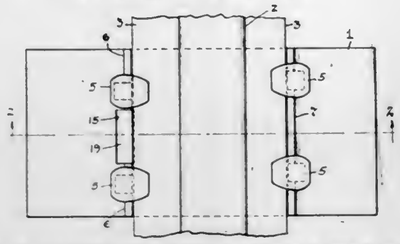
1. An accessory for automobiles comprising an elongated movable supporting arm pivotally mounted at its inner end about a vertical axis on the underside of the instrument panel of said automobile, and an illuminated mirror, including a lamp, pivotally mounted for movement about a horizontal axis on the outer end of said supporting arm, a switch member electrically connected to said lamp mounted adjacent the inner end of said arm and movable therewith, and a second switch member fixedly mounted to the under-side of said instrument panel, the construction and arrangement being such that upon movement of said arm out from position under the panel, the switch members engage closing the lamp circuit and upon return of said arm to position under the panel, the switch members disengage, opening the circuit.

2,149,598
ILLUMINATED VEHICLE MIRROR
Christian Girl and Wayne E. Dunston, Detroit, Mich., assignors to Kelch Heater Co., Detroit, Mich., a corporation of Michigan
Application June 24, 1936, Serial No. 86,949
5 Claims. (Cl. 240—4.2)



1. An accessory for automobiles comprising a casing located out of normal vision, said casing having an opening therein, an electrically illuminated mirror including a lamp, said mirror including said lamp being located within said casing and removable through said opening, a rewinding drum within said casing having an extension conductor connected to said lamp, and a switch within said casing automatically operable to close the lamp circuit when the mirror is removed a distance from said casing into normal vision.

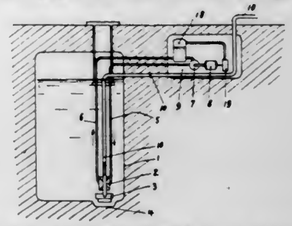
2,149,599
MEANS FOR CUSHIONING AND PREVENTING CREEP OF RAILS
Oscar V. Greene, Cleveland Heights, Ohio
Application August 25, 1937, Serial No. 160,761
10 Claims. (Cl. 238—279)



10. In combination with a railroad track comprising T-rails, ties and tie-plates, means adapted to resiliently clamp the base flanges of said rails to said tie-plates in response to movement of rolling stock over said rails.

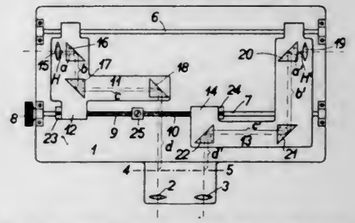
2,149,600
PUMPING DEVICE IN PARTICULAR FOR VOLATILE LIQUIDS
Paul André Guinard, Saint-Cloud, France
Application January 28, 1937, Serial No. 122,745
In France January 31, 1936
1 Claim. (Cl. 103—45)

Pumping device, in particular for volatile liquids such as gasoline or the like stored in underground reservoirs, comprising a motor-pump unit which is immersed adjacent the bottom of the reservoir and which consists of a rotary pump and a hydraulic motor directly coupled to said pump, a motor-pump supply unit which is arranged outside the reservoir and of which the pump is connected to the hydraulic motor of the immersed unit by a closed circuit comprising a supply pipe and a return pipe, in said circuit a liquid which



is not miscible with the liquid to be pumped and which is of greater density than the latter, an air bell, an air compressor driven by the motor of the supply unit, and means for connecting said air bell on the one hand to the return pipe of the closed supply circuit, and on the other hand to said compressor.

2,149,601
BINOCULAR VIEWING DEVICE FOR STEREOPHOTOGRAMMETRIC INSTRUMENTS
Henry Guldbrandsen, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany
Application December 31, 1937, Serial No. 182,886
In Germany January 18, 1937
2 Claims. (Cl. 88—29)

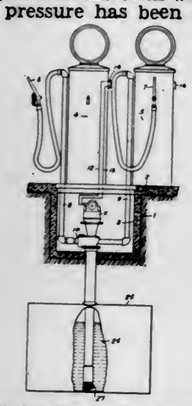


1. In a device for viewing stereoscopic images, a base plate, two eye-pieces, two optical systems mounted on said base plate, the optical axes of said eye-pieces being parallel to each other, each of said optical systems comprising a mirror system and a lens system, the focal plane of each of said optical systems coinciding with the image plane of said eye-pieces, each of said optical systems being displaceable relatively to said base plate along a line intersecting the said optical axes at right angles, and means for displacing each of said optical systems so as to make each optical system coact with either of said two eye-

2,149,602
PUMP
Anthony G. Horvath, Dayton, Ohio, assignor to The Dayton Pump & Mfg. Co., Dayton, Ohio, a corporation of Ohio
Application December 24, 1937, Serial No. 181,504
7 Claims. (Cl. 103—42)

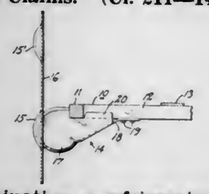
1. In a fluid dispensing apparatus, a source of supply of liquid to be dispensed, a pump immersed therein, a delivery pipe extending from the pump to a point of discharge, and a return pipe arranged concentrically within said delivery pipe and forming a connection between the pressure relief valve and the tank, a check valve adjacent the pump to prevent the drain back of liquid through the pump into the tank, a pressure relief

valve outside of the tank adapted to return the liquid so pumped into the tank when a predetermined excess pressure has been created by the



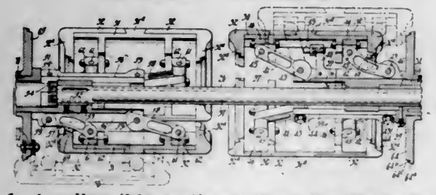
pump, said relief valve being located at a point remote from said pump and said tank outside of the tank.

2,149,603
REFRIGERATOR SHELF
William I. Hamby, Great Neck, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 23, 1935, Serial No. 32,742
9 Claims. (Cl. 211—147)



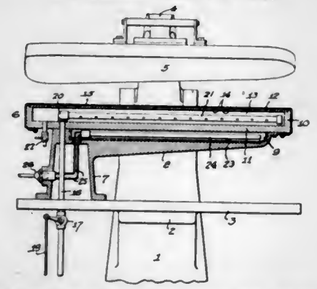
4. In combination, a refrigerator shelf, a shelf support member hinged on the bottom of said shelf at a point set in from the edge of said shelf, and a resilient member connected to said shelf and said shelf support, said resilient member being arranged to urge said shelf support against the bottom of said shelf with a portion of the shelf support projecting beyond an edge of the shelf but permitting said shelf support to be swung downward to facilitate adjustment of said shelf or removal from a refrigerator storage compartment.

2,149,604
COLLAPSIBLE FORM
Frank L. Johnson, Akron, Ohio
Application February 2, 1937, Serial No. 123,625
19 Claims. (Cl. 154—9)



1. A collapsible sectional form for tire casings comprising two groups of form sections, means acting in cooperation with a tire casing on the form for moving both groups of sections laterally relatively of the operative plane of the form, and means for moving the sections of one of said groups, at least, toward the axis of the form simultaneously with their movement relatively of the operative plane of the form.

2,149,605
STEAMING DEVICE
Arthur B. Jones, Detroit, Mich., assignor of forty-nine per cent to Henry L. Hall, Detroit, Mich.
Application March 13, 1936, Serial No. 68,678
2 Claims. (Cl. 38—16)



1. A steaming device including a casing forming a chamber having a perforate top wall and an imperforate substantially flat bottom wall, means within said chamber in spaced relation to and above said bottom wall for introducing water into said chamber in spray form to contact said bottom wall, means for controlling the introduction of water into said chamber, means for heating to a high degree the bottom wall of said chamber by heat applied directly thereto exteriorly of said chamber to convert the water immediately into steam to create a steam pressure within said chamber.

2,149,606
DAMPENING ROLL FOR LITHOGRAPHING PRESSES
Clarence Walker Jones, Philadelphia, Pa.
Application October 7, 1937, Serial No. 167,761
3 Claims. (Cl. 91—67.8)

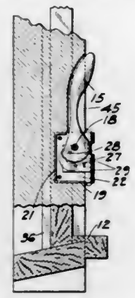


1. A dampening roll for lithographic presses comprising, in combination, a roller and a cover therefor consisting of seamless knitted fabric provided on its outer face with elongated loops simulating pile.

2,149,607
CASEMENT WINDOW CONTROL
Oscar L. Keiser, Los Angeles, Calif.
Application February 4, 1938, Serial No. 188,713
7 Claims. (Cl. 16—160)

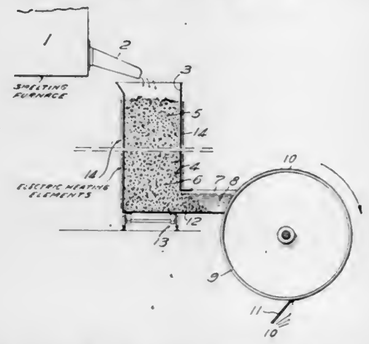
4. In a device for raising and lowering a swingable window, a hinge housing, a substantially vertical hinge pin mounted upon said housing, a hinge one wing of which is secured in position to form a part of said housing and the other wing of which is slidable and swingable upon said pin, a member slidably mounted within said

housing in an operative relation to said slidable hinge wing to impart a slidable movement to said



slidable wing, a lever pivoted to said housing to operate said member, and a link operatively connecting said lever with said member.

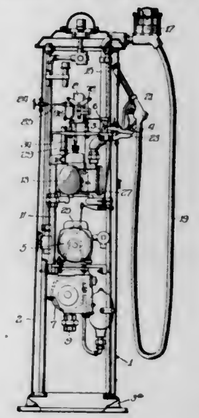
2,149,608
METHOD OF PRODUCING CYANIDE
Frank R. Kemmer, Larchmont, N. Y.
Application June 22, 1934, Serial No. 731,806
12 Claims. (Cl. 23—79)



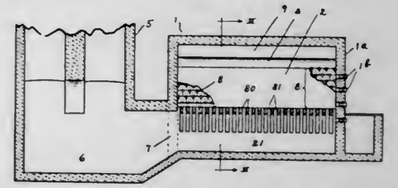
1. A method of treating cyanides which comprises producing calcium cyanide in the molten state in solution in a fused salt containing substantial quantities of insoluble or suspended impurities, passing the same through a filter medium maintained at a sufficiently high temperature to prevent solidification of the cyanide, whereby said medium removes such impurities from the cyanide.

2,149,609
FLUID DISPENSING APPARATUS
Eugene J. Lennart, Fort Wayne, Ind., assignor, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application February 6, 1932, Serial No. 591,347
11 Claims. (Cl. 221—95)

1. In a fluid dispensing apparatus, the combination of power means for delivering fluid, means for controlling operation of said power means, said means including manually movable mechanism for initiating operation of said power means, indicating means operable in one direction in accordance with the fluid discharged for determining the quantities dispensed by said apparatus, selectively operable means including a clutch for moving said indicating means in an opposite direction to that first named, and means operated upon movement of said mechanism for opening said clutch for rendering said last mentioned means ineffective to move said indicating means.

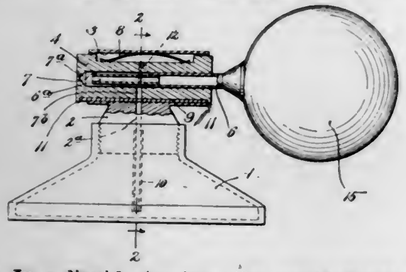


2,149,610
REGENERATOR
Fred H. Loftus, Mount Lebanon, Pa.
Application January 4, 1938, Serial No. 183,242
3 Claims. (Cl. 263—19)



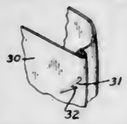
1. The herein described method of operating a regenerator including a plurality of bodies of checkerwork, which method includes leading the hot waste gases of a furnace downward from the outgo port of the furnace, delivering the gases in direction extending angularly to the line of their descent into a region beneath one of said bodies of checkerwork, leading the gases upward from such region and introducing them with accelerated velocity into the bottom of said last-mentioned body of checkerwork and immediately thereafter retarding the velocity of the flowing gases and leading them, with release of stores of heat, upward through the checkerwork at retarded velocity, conducting the gases rising from the top of said body of checkerwork at low velocity as compared with the velocity at which the gases enter such body to the top of a second body of checkerwork and in the course of flow between such bodies of checkerwork effecting an acceleration and then a retardation in the velocity of the gases, leading the gases downward, with further release of heat, through said second body of checkerwork at relatively low velocity, drawing the downwardly flowing gases from the bottom of said second body of checkerwork at accelerated velocity, leading the gases at reduced velocity from the region below said second body of checkerwork to an outlet, and from time to time interrupting such flow of waste gases and leading air to be preheated in counter direction through said bodies of checkerwork and effecting in the sequence described the alternate acceleration and retardation in the velocity of the flowing air.

2,149,611
LEAKPROOF ATOMIZER
Frederick W. Lohse, Attleboro, Mass.
Application January 9, 1937, Serial No. 119,807
8 Claims. (Cl. 299—88)



6. In a liquid atomizer, the combination of a bottle stopper provided with a tubular slideway and having a liquid exhaust conduit affording communication between the liquid in the bottle and a port opening into said slideway, an atomizing and bottle sealing slide member mounted in said slideway and having compressed air and liquid discharge passages leading to a common atomizing and discharge chamber, said liquid discharge passage having its intake end located for movement into registry with said port in the stopper by the sliding movement of the slide from sealing position, said slide and said stopper being also provided with air venting passages that are brought into register by the same movement of the slide, a perforated strip of packing material secured to the intake side of the slide with its perforations in register with the ends of the air venting and liquid discharge passages in the slide.

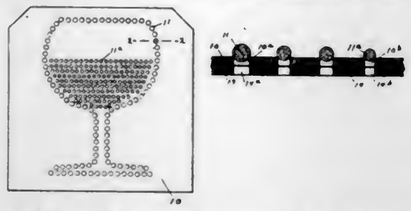
2,149,612
PAD RECEPTACLE
Dora Madsen, San Francisco, Calif.
Application April 3, 1937, Serial No. 134,808
4 Claims. (Cl. 206—1)



1. An attachable steel wool scouring pad receptacle for a cardboard container, comprising an open topped narrow receptacle having a container engaging wall, and container perforating means carried by said container engaging wall for attaching the receptacle to a cardboard container, said container perforating means having a barb-like extension positioned at a point from the container engaging wall corresponding to the thickness of the wall of said container.

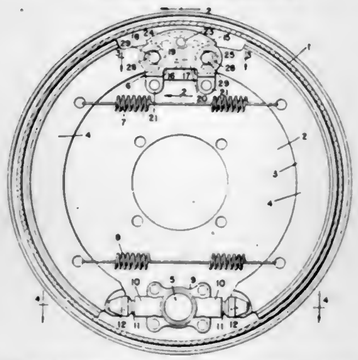
2,149,613
SIGN PLATE AND METHOD OF MAKING SAME
Arthur U. Magnan, Los Angeles, Calif.
Application May 1, 1937, Serial No. 140,221
13 Claims. (Cl. 40—133)

1. A sign member comprising a plate of cardboard, a decorative coating covering the front face of said plate, said plate and coating being provided with a plurality of perforations of different sizes and arranged to form a design, a spherical light-transmitting bead for and within each of said perforations, said beads being larger than their respective perforations so as to be embedded in the walls thereof when the beads are in position therein, each of said beads projecting for substantially equal distances on both



sides of the plate, and a coating of light-transmitting material covering the rear face of said plate and the parts of the beads which project beyond said rear face.

2,149,614
BRAKE MECHANISM
Frank L. Main, Birmingham, and Charles A. Sawtelle, Detroit, Mich., assignors to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application June 17, 1936, Serial No. 85,778
13 Claims. (Cl. 188—78)

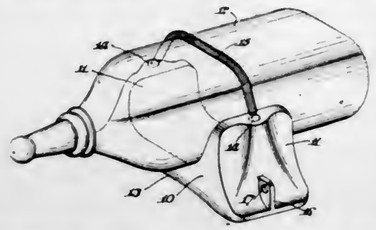


1. In brake mechanism, the combination with a brake drum, a backing plate and a brake friction element within and engageable with said drum, of an element for forcing said friction element into engagement with said drum, and a plate secured to said backing plate and having a portion spaced axially from said backing plate and forming with the latter axially spaced surfaces receiving therebetween the second mentioned element and the portions of the first mentioned element to guide said elements.

2,149,615
HOLDER FOR NURSING BOTTLES
Albert E. McElwee, Woodbury, N. J., assignor of one-half to Lawrence J. Darms, Woodbury, N. J.
Application July 9, 1937, Serial No. 152,711
2 Claims. (Cl. 248—105)

2. A holder for a nursing bottle comprising a rigid body having spaced uprights providing a channel therebetween in which a nursing bottle is adapted to be selectively positioned, an elastic member having its ends secured to the tops of said uprights and adapted to extend over the bottle to hold the same in any given longitudinal position within the channel, the under surface of the body being convex in a direction parallel to the channel for variable tilting of the bottle by

shifting the position thereof along said channel, said under surface also being concave in the



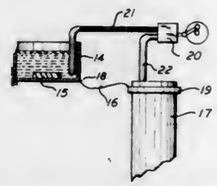
transverse direction, and ears carried by the body adapted for attaching securing means thereto.

2,149,616
LIFE PRESERVER
Clarence V. McGuire, Grosse Pointe, Mich.
Application October 9, 1937, Serial No. 168,137
4 Claims. (Cl. 9—19)



1. A device for the purpose described comprising an outer expansible casing, a closed compressible container within said casing having an outlet and adapted to contain a liquid, said outer casing being adapted to contain a chemical supported on its inner wall and adapted to form a gas upon release of said liquid into contact therewith, and means for closing the outlet of the liquid container, said means being releasable from the container upon compression thereof caused by pressure applied externally of the casing.

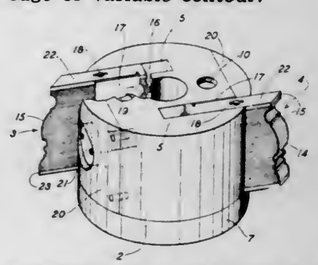
2,149,617
METHOD AND APPARATUS FOR HANDLING ACIDIC SOLUTIONS
Paul L. Menaul, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application December 19, 1936, Serial No. 116,768
11 Claims. (Cl. 166—1)



3. A method of acid treating wells which includes introducing hydrochloric acid from an iron tank into a well bore and into contact with the earth structure to be treated through an iron well pipe; electrically connecting a lead electrode to said tank, the electrode being in contact with the acid but not covering all of the tank in contact with the acid, and electrically connecting the tank to the well pipe.

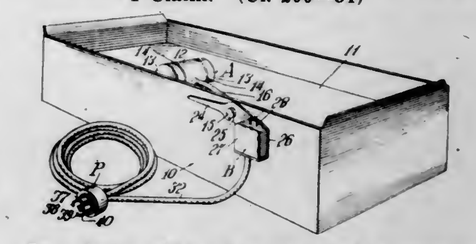
2,149,618
CUTTING TOOL
Louis J. Misuraca, Glendale, Calif.
Application August 4, 1936, Serial No. 94,211
8 Claims. (Cl. 144—218)

1. A cutting tool comprising a body, and a cutter composed of a plurality of laminations of approximately safety-razor blade thinness grouped together in said body and independently adjustable thereon so that edges of the laminations will combine to form a smooth completed cutting edge of variable contour.



3. In a cutting tool, a rotary head, a templet thereon, and a cutter comprising a plurality of independently adjustable blades arranged to be moved against said templet by centrifugal force when said head is rotated.

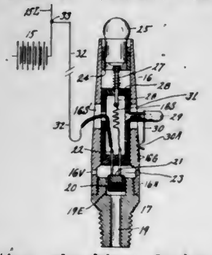
2,149,619
FLOAT CONTROLLED ELECTRIC SWITCH
Albert B. Mojonnier, Park Ridge, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application August 21, 1937, Serial No. 160,202
1 Claim. (Cl. 200—84)



In a device of the class described, a container having a horizontal bottom and vertical walls, a bearing sleeve passing through and secured to one of said walls near its top, said sleeve extending horizontally and only a short distance into said container, and having a bearing opening extending in the direction of its length and hence horizontally and transversely of the wall to which said sleeve is connected, a pivot adapted to fit snugly within said bearing opening and to extend only slightly beyond the inner and outer ends of said sleeve, a float arm permanently connected to the inner end of said pivot and extending transversely of the axis of said pivot, a float secured to the free end of said float arm and positioned to ride on liquid in said container, the protruding outer end of said pivot being provided with two grooves on opposite sides forming a seat having walls which extend substantially vertically when said float is in its normal position on the liquid in said container, an outer substantially vertical plate formed, first, with a pointer extending lengthwise of said container when said float is in said normal position and, second, with a vertically disposed slot on its under side, said slot having a width approximating the space between the said grooves in said pivot so as to be removably slipped down over the end of said pivot into fitting engagement with the walls of said seat, and a mercury type electric switch secured to said plate so as to make and break circuit in response to the oscillations of said plate in response to up and down movements of said float with changes in the liquid

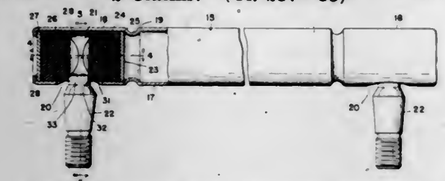
level in said container, said plate and switch constituting a single unit which is readily removable from the outer end of said pivot to free the latter for removal from said sleeve bearing; said float, float arm and bearing being also connected together thus to constitute a unit which may be bodily removed from said container for cleaning by withdrawing said pivot from said sleeve opening after said plate unit has been removed therefrom as aforesaid.

2,149,620
TIMER CHECKING DEVICE
Melvin O. Museus, St. Paul, Minn., assignor of three-tenths to John E. Nekowitsch and three-tenths to Stephen Nekowitsch, both of St. Paul, Minn.
Application March 10, 1937, Serial No. 130,092
3 Claims. (Cl. 177—311)



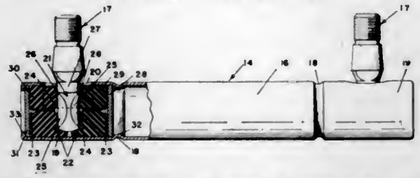
1. An ignition checking device for internal combustion engines, said device comprising a tubular body adapted to be removably mounted with its lower end in communication with the combustion chamber of the engine, an electric circuit, an electric bulb in the open, upper end of said body and in said circuit, a piston-like member reciprocably and adjustably retained in the bore of said body, electrode means in the circuit and fixed in the lower end part of said piston member, electroconductive means longitudinal of the bore and in continuous yieldable contact with said bulb, means in the lower end part of said body adjacent the compression chamber end and reciprocated by compression therein to contact and close circuit through the electrode means to said yieldable contact means and the bulb and to break contact when compression ceases.

2,149,621
CONNECTOR
John M. Nickelsen, Ann Arbor, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application November 4, 1935, Serial No. 48,223
2 Claims. (Cl. 287—85)



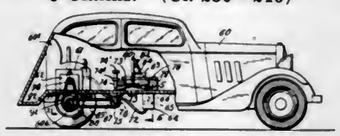
1. A connecting link assembly comprising a body section having a tubular portion, a fastener element having a head portion extending through an opening in one side wall of the tubular portion, a resilient non-metallic material secured within the tubular portion against opposite sides of the head under sufficient compression to frictionally engage said head whereby relative movement of the fastener element and tubular portion is permitted by interparticle flow of the resilient material, and means housed within the tubular portion and co-operating with the fastener element to close the opening aforesaid through the side wall of the tubular portion.

2,149,622
CONNECTOR
John M. Nickelsen, Ann Arbor, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application May 11, 1936, Serial No. 79,193
4 Claims. (Cl. 287—85)



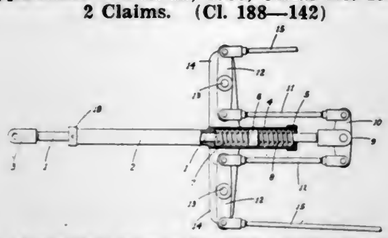
1. In a connector, a housing having an opening in one side thereof, a stud extending into the housing through said opening and having a head located in the housing, and resilient inserts secured within the housing under compression against opposite sides of the head and axially bored to permit the adjacent surfaces to deform and substantially surround the head of the stud.

2,149,623
COMPRESSION ENGINE FOR VEHICLES
Leo Nigro, New York, N. Y.
Application April 14, 1938, Serial No. 201,880
6 Claims. (Cl. 280—216)



1. In combination with a vehicle, an air engine for driving said vehicle, a tank for supplying compressed air to said engine, an air pump for supplying air to said tank, a pivotally mounted lever connected at one end with said pump to operate the same when rocked, a pedal system for rocking said lever, and means for shifting the pivot of said lever to vary its mechanical advantage.

2,149,624
BRAKING DEVICE
John H. Owen, Folsom City, Calif.
Application March 28, 1938, Serial No. 198,372
2 Claims. (Cl. 188—142)



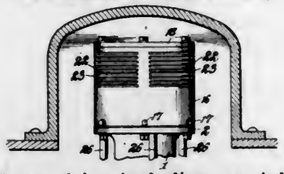
1. Actuating means for the wheel brakes of a trailer comprising a relatively long sleeve adapted to extend lengthwise of the trailer, a drawbar slidably extending through the sleeve, means yieldably resisting rearward movement of the bar in the sleeve, a transverse equalizing lever pivoted on the rear end of the bar, a pair of laterally extending direction changing levers disposed ahead of the rear end of the sleeve on opposite sides thereof, said lateral levers at one end being connected to the ends of the equalizing lever, brake actuating rods connected to the other end of the lateral levers, and means pivotally mounting said lateral levers in unitary connection with the sleeve and comprising a laterally extending mounting plate rigid with the sleeve on top of the same and adapted to engage and be secured against the underside of a frame member of the trailer.

2,149,625
FOLDING BOX
Hans Pabst, Leipzig, Germany
Application March 19, 1938, Serial No. 196,944
In Germany July 15, 1937
1 Claim. (Cl. 229—23)



A round folding box consisting of bottom, cover, and two flattened out rims which, when required, can be set up by the user to form a two-part box without glue or other additional means thus characterized that the bottom and cover consist of two cardboard disks which are glued together in such a way that the rims are lying unglued on top of each other in a certain depth forming a slot-like groove in which rectangularly bent rim-flaps are inserted and, in closing the rims, connect the bottom and the cover respectively firmly with the rims.

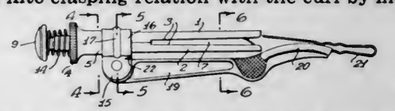
2,149,626
STEAM DRIER FOR USE ON LOCOMOTIVES
Pasquale Pascale, New York, N. Y., assignor to Dri-Steam Valve Corporation, New York, N. Y., a corporation of Delaware
Application September 18, 1934, Serial No. 744,518
Renewed October 12, 1936
6 Claims. (Cl. 183—112)



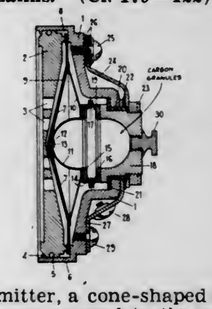
1. A steam drier including an inlet opening and an outlet opening, a plurality of plates interposed between said openings, and forming an outer and an inner chamber in said casing, the inner chamber communicating with the outlet opening, the plates being provided with numerous protruding nozzles establishing communication between the outer and inner chambers, the nozzles having small entrance openings and comparatively large outlet openings.

2,149,627
HAIR CURLER
Robert T. Plate, Detroit, Mich.
Application March 3, 1938, Serial No. 193,724
10 Claims. (Cl. 132—33)

1. In a hair curling device, wherein the curl is first produced and then maintained by a curl clasp, a curler assembly formed to temporarily grip a tress of hair and adapted to provide the tress curl by rotation of an assembly element, and a curl-clasp carrier supported by the curler assembly and adapted to removably support a curl clasp formed with a mouth and a closed end, said carrier having a length to position the clasp relative to the assembly with the clasp mouth facing the positioned curl beyond one end of the curler assembly, the supported clasp being movable into clasping relation with the curl by movement of the assembly and carrier as a unit in the direction of withdrawing the assembly from the curl to thereby carry the clasp into clasping position relative to the curl, the clasp and carrier moving as a unit until the closed end of the clasp substantially engages the curl and thereby cause relative movement between carrier and clasp as the withdrawal movement of assembly and carrier continues and releases the clasp from its carrier by such movement with the clasp in its clasping relation with the curl.

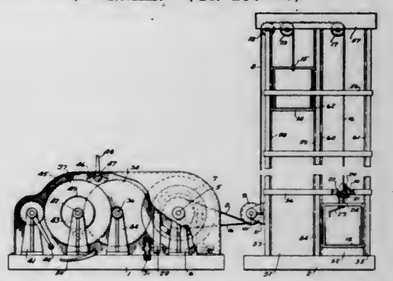


2,149,628
TELEPHONE TRANSMITTER
Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 16, 1935, Serial No. 40,738
19 Claims. (Cl. 179—122)



1. In a transmitter, a cone-shaped diaphragm, a dome-shaped cup secured to the apex of said diaphragm, a conical ring clamped between the outer edge of said cup and said diaphragm, and an electrode secured to the outer edge of said cup.

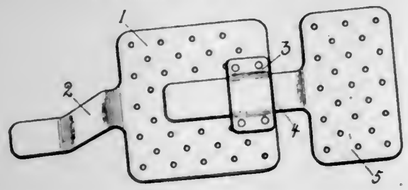
2,149,629
CONSTRUCTION ELEVATOR
Patrick Rattigan, Westbury, N. Y.
Application March 2, 1938, Serial No. 193,568
4 Claims. (Cl. 187—2)



1. In combination, elevators and operating mechanism therefor, in which the operating

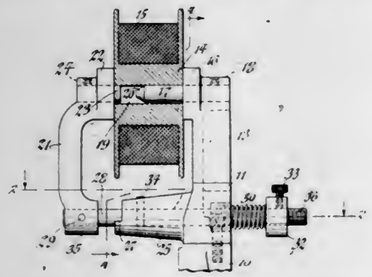
mechanism comprises a sectional drum having a section for each elevator, with cables extending from the respective sections of the drum to elevator cars, a train of gears adapted to be manually operated by a crank for rotating said drum, and ratchets engaging both the gears and drum for locking the drum and elevator cars in different positions, said device characterized in that the cables and drum sections are arranged so that one car balances the other.

2,149,630
ADJUSTABLE PERFORATED PRINT SHOVEL
Hans Richter, Chicago, Ill.
Application May 20, 1938, Serial No. 209,002
1 Claim. (Cl. 95—100)



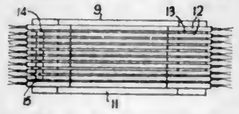
A print-shovel in the form of a rectangular perforated plate, provided with an upward bent handle, and a bracket secured to the under side of said plate; a perforated extension plate provided with a stem made tight-fit to enter said bracket.

2,149,631
WIRE SPOOL HOLDER FOR STITCHING MACHINES
Edward J. Rodda, Niagara Falls, N. Y., assignor to Niagara Falls Wire Stitchers, Inc., Niagara Falls, N. Y., a corporation of New York
Application January 21, 1937, Serial No. 121,403
4 Claims. (Cl. 242—134)



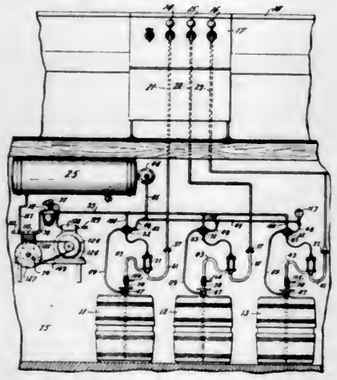
1. A spool holder comprising a frame having an upright rear arm adapted to bear at its upper end against the rear side of a spool, a pivot pin arranged on the upper end of said rear arm and adapted to enter the rear end of a spool, a front arm adapted to bear with its upper end against the front side of said spool, a slide rod connected with the lower end of said front arm and slidable on the frame parallel with said pivot pin and also rotatable laterally thereon for moving said front arm into and out of engagement with the front side of said spool, and spring means for drawing said rod backwardly and causing the upper ends of said arms to bear frictionally against the front and rear ends of said spool, said spring means being arranged in the rear of the frame and including a collar secured to the rear end of said rod, and a spring surrounding said rod and bearing at its front end against the rear side of said frame and at its rear end against said collar.

2,149,632
AUTOMATIC SWITCH AS USED IN TELEPHONE SYSTEMS
Robert Norman Saxby, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application December 11, 1936, Serial No. 115,326
In Great Britain January 13, 1936
4 Claims. (Cl. 175—306)



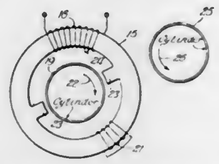
1. A bank contact structure for use in automatic switches comprising, in combination, a plurality of rows of contacts, supporting members of insulating material for the respective rows of contacts, shielding plates alternated with and extending between said rows of contacts, each of said plates having an opening adjacent one end thereof, means clamping said plates and supporting members together to provide a rigid assembly, and a flexible conducting strip extending freely through the openings in each of said plates having contacting portions thereof clamped in engagement with said plates by said clamping means.

2,149,633
DRAFT APPARATUS
Raymond D. Schnoor, Chicago, Ill.
Application March 30, 1936, Serial No. 71,573
20 Claims. (Cl. 225—1)



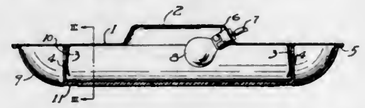
1. A draft apparatus for exhausting liquid containers comprising, a container connected by a conduit to a remote outlet, means to direct fluid under pressure to exhaust the contents of the container by displacement, a body connected into the conduit and provided with means responsive to conditions indicating a discharged container whereby the flow of liquid in said conduit and toward the remote outlet is shut off at said body when liquid flow into the body from the container has terminated, and means having an operable connection with said body and being operable to render said first mentioned means inoperative and to extract and compress fluid whereby the fluid used for exhausting the container is salvaged for reuse in said first mentioned means.

2,149,634
TRANSFORMER FAULT INDICATING MEANS
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application September 10, 1936, Serial No. 100,162
15 Claims. (Cl. 177—311)



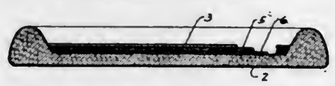
1. In combination; a winding, energized with alternating current accompanied by a normal flux, subject to undesirable short circuit which causes a shifting of at least part of the normal flux due to space and phase displaced short circuit currents; and short circuit responsive means actuated by the resultant shifting flux.

2,149,635
LIGHTING FIXTURE
Whiting N. Shepard and Arthur M. Howald, Toledo, Ohio, assignors to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
Application August 27, 1936, Serial No. 98,116
6 Claims. (Cl. 240—7.35)



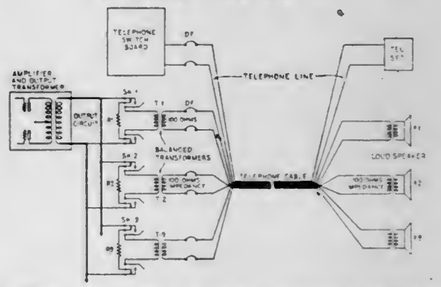
4. In a lighting fixture, in combination, an integral sheet metal frame having a pair of depending resilient leaves, means on said frame for supporting a lamp, and a translucent lamp cover having partitions adapted to be yieldably engaged by said resilient leaves, said leaves and partitions being provided with interlocking means, the edge of said lamp cover engaging said frame.

2,149,636
COMPOSITE PHOTOGRAPHIC PLATE AND FRAME
Charles E. Slaughter, Westfield, N. J., assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware
Application September 15, 1937, Serial No. 164,015
2 Claims. (Cl. 95—8)



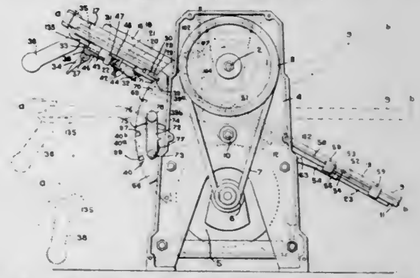
1. A combination photograph backing frame and development tray comprising a molded flat backing portion surrounded by a heavy encircling frame, said flat backing portion and heavy frame being integrally formed of thermosetting synthetic molded material inert to the action of photographic development and fixing fluids and constituting a rigid development tray free of grooves and exterior corners and capable of being stacked with like structures in magazines, there being a layer of light-sensitive material overlying said backing portion, and means for causing said light-sensitive material to adhere to said backing portion.

2,149,637
PUBLIC ADDRESS SYSTEM
Arthur Bessey Smith, Evanston, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 12, 1936, Serial No. 110,459
4 Claims. (Cl. 179—1)



1. The combination in an ordinary telephone cable, of telephone lines and public address lines, means including a circuit for transmitting a current having an audible range of frequency at a relatively low E. M. F. over said public address lines, and connections at each end of each public address line having an impedance equal to or less than 100 ohms at 1000 cycles per second for maintaining said current at a relative high energy of one watt or less and at a low E. M. F. thereby preventing objectionable cross-talk in the associated telephone lines in said cable.

2,149,638
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass.
Application February 21, 1936, Serial No. 65,044
27 Claims. (Cl. 17—27)

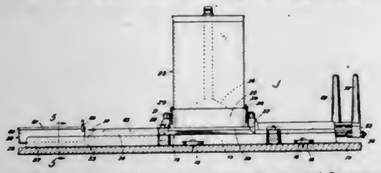


3. A meat-slitting machine comprising a set of knives, a rocking platform beneath the knives swingable from a position in which one end is elevated to a reverse position in which the other end is elevated, a meat-supporting turntable movable on the platform from its elevated end to its lower end by which a slice of meat is carried beneath the knives, and means to turn the turntable by its initial movement away from one end of the platform.

2,149,639
BUN FILLING DEVICE
John E. Strietelmeier, Cincinnati, Ohio, assignor to Bar-B-Buns, Inc., Cincinnati, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,977
9 Claims. (Cl. 107—1)

8. A device for filling buns or the like comprising a base, a substantially U-shaped spout fastened upon the base and extending therefrom, a reservoir unit positioned upon the base above the

spout and having a plurality of compartments for filling material selectively communicating with the spout, the spout having a cutting edge at its extremity, a yieldable plate positioned on the base and extending into the extended portion of the spout the plate and the bottom of the spout normally forming a wedge for piercing the bun, a substantially inverted U-shaped knife having a handle at its extremity and movable in the spout, a plunger movable within the knife and the spout and having a handle at its extremity, a rod fastened to the plunger, a receptacle for receiving the bun and having an aperture in a

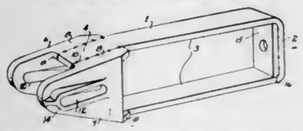


side wall for receiving the spout, a guideway adjacent the base and subjacent the spout the receptacle being movable in the guideway and being adapted to urge the spout into the longitudinal center of the bun, the cutter being adapted to sever a piece of filling material from the material held in a reservoir, the plunger being adapted to discharge the severed material into the spout, the spring being raised by the pressure of the movable knife to force a recess in the bun to receive the filling material, and the rod being employed to urge the box away from the spout after the bun is filled.

2,149,640

METHOD OF MAKING CAR COUPLER YOKES

John B. Tegarty, Lakewood, Ohio
Application February 23, 1935, Serial No. 7,687
11 Claims. (Cl. 29—167)



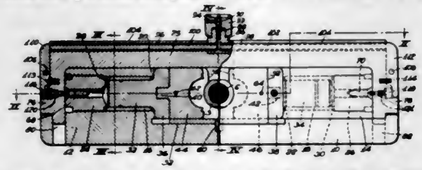
1. A method of making car coupler yokes comprising the bending of a strip of steel having a substantially uniform cross section to form a U-shaped body portion having forwardly directed arms spaced and extending parallel to each other, and placing a pair of substantially duplicate head members each having a flat surface and flanges formed along opposite edges which project perpendicular to the flat surface, to the edges of the arms adjacent their ends and welding along said edges and said flanges, said welding being adapted to receive the full draw bar load of the said coupler yoke.

2,149,641

EXPLOSIVELY ACTUATED PRESS

Robert Temple, Jr., Pittsburgh, Pa.
Application May 22, 1936, Serial No. 81,288
17 Claims. (Cl. 140—113)

1. In combination, a frame having a pair of spaced apart but aligned cylindrical bores therein, a piston movably mounted in each bore, work-engaging means associated with each piston and facing each other so that upon movement of the piston toward each other any work positioned between the means will be acted on, explosive means associated with the pistons and adapted on firing to move the pistons simultaneously toward each other, means for actuating the explosive means, means for positioning the work between the work-

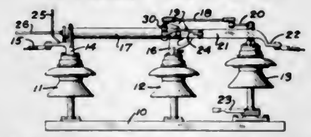


engaging means, and means holding the pistons against movement until substantially the maximum explosive pressure has been reached.

2,149,642

DISCONNECTING SWITCH

Joseph S. Thompson, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application January 31, 1938, Serial No. 187,871
15 Claims. (Cl. 200—48)



1. In a disconnecting switch, the combination of an insulated stationary switch blade support, a switch blade pivotally mounted at one end in a fixed position upon said support, an insulated stationary contact disposed in spaced relation with said insulated support with which the end of said switch blade is adapted to cooperate, operable pressure producing means at the contact engaging end of said switch blade, an operating lever for controlling the opening and closing movements of said switch blade slidably and pivotally mounted upon said support and connected with said operable pressure producing means, said operating lever having a limited straight line slidable movement upon said insulated support independently of said switch blade for operating said pressure producing means when the switch blade is in its closed position, a link connected to said operating lever for imparting both the slidable and the pivotal movements thereto, and means carried by said stationary support for preventing said slidable movement of the operating lever independently of the switch blade in all but the final closed circuit position of the switch blade.

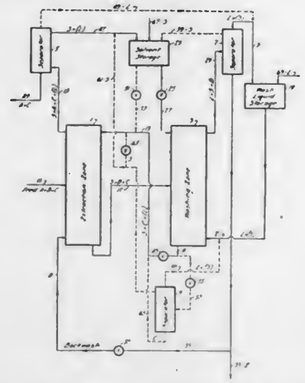
15. In a disconnecting switch of the character described, a tubular switch blade having its end split along a plane parallel with its path of movement, a pair of spaced spring bars disposed within and extending parallel with the plane of the split in said switch blade, the ends of said spring bars near the pivoted end of said switch blade being disposed beyond the split in the end of said switch blade and the outer ends of said bars being free to spread and exert an expanding force within the switch blade to spread the split end thereof, a supporting guide disposed within the split end of said switch blade, a pair of oppositely disposed elements carried by said supporting guide and engaging said spring bars between the ends thereof, an element engaging member movable between said elements and having an enlarged portion adapted to move each of said elements outwardly against a cooperating spring bar to exert an expanding force at the split end of said switch blade, and means at the inner ends

of said spring bars for adjusting the effective spacing therebetween, whereby the amount of contact pressure produced by said spring bars may be determined.

2,149,643

EXTRACTION PROCESS

Sijbren Tijmstra, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 14, 1935, Serial No. 21,321
8 Claims. (Cl. 196—13)



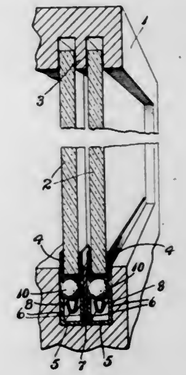
1. In a process for removing an intermediate component from a liquid mixture comprising three components of different solubilities in a first selective solvent, the steps of flowing said mixture in an extraction zone countercurrently to concurrent streams of said selective solvent and of a component which is more soluble than the said intermediate component under extracting conditions to form a first raffinate phase and a first extract phase containing said intermediate and more soluble components, separating said phases, subjecting said first extract phase in a washing zone to double countercurrent extraction with said first selective solvent and a second solvent under conditions to form a second extract phase which is rich in said second solvent and in said intermediate component and a second raffinate phase which is rich in the more soluble components and in said first selective solvent, and introducing at least a portion of said second raffinate into the extraction zone to form the streams of selective solvent and of the more soluble component, whereby the first raffinate phase is enriched by the components of high solubility.

2,149,644

SHOWCASE SLIDING DOOR MOUNTING

Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application December 21, 1936, Serial No. 116,921
1 Claim. (Cl. 308—6)

A construction of the class described comprising a sliding door, a channel member located therebelow having upwardly extending sides, a V-shaped carriage member mounted within said channel having a plurality of opposed openings therein spaced from the top and bottom edges thereof, balls carried between the sides of said carriage and extending through said openings and above said carriage, said balls resting on the upper edges of said channel member, the upper edges of said V-shaped carriage member being spaced apart the same distance as the sides of the channel member, said sliding door having a channel member about the lower edge thereof

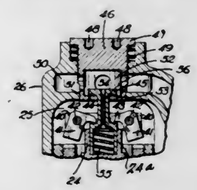


having a horizontal lower edge equal in width to the width of the first-named channel member and having a point contact with each of said balls at a point substantially in the center of said lower edge.

2,149,645

GOVERNOR FOR FLUID MOTORS

Paul Van Sittert, Cleveland Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application April 28, 1937, Serial No. 139,537
5 Claims. (Cl. 121—34)



1. A fluid actuated rotary tool including a housing, a rotor rotatable within said housing, a passage conveying motive fluid to said rotor, a duality of movable spaced elements cooperating with each other for controlling said passage, means responsive to the speed of the rotor and acting on one of said elements for partially closing said passage, and means associated with the other of said elements for opening said passage irrespective of the position of said first mentioned element.

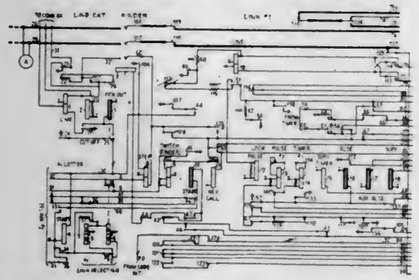
2,149,646

AUTOMATIC TELEPHONE SYSTEM

John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 1, 1936, Serial No. 103,490
21 Claims. (Cl. 179—18)

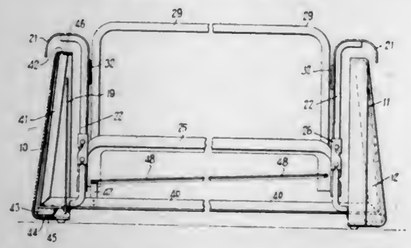
1. In a telephone system, a plurality of subscribers' lines, a plurality of finder-switches, an allotter common to all of said lines and said switches, means responsive to the initiation of a call by a subscriber on one of said lines for controlling said allotter to start all of said switches

searching for the calling line, and means in said allotter for selecting one of said switches for con-



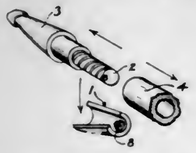
necting with said line and for preventing another switch from finding the calling line.

2,149,647
PORCH GLIDER
John Carlton Ward, Jr., and Paul M. Mueller, Rome, N. Y., assignors, by mesne assignments, to Burton-Dixie Corporation, a corporation of Delaware
Application June 12, 1935, Serial No. 26,166
2 Claims. (Cl. 5—124)



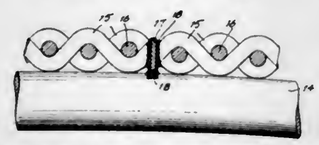
1. An article of manufacture comprising in combination sheet-metal plates forming end-members, flanges along the upper and lower edges of each of said end-members, a connecting-bar securing said end-members together having upwardly-extended arms at its opposite ends, means for connecting said bar to the bottom flanges of said end-members, and means for connecting the upper ends of said arms to the upper flanges of said end-members.

2,149,648
SMOKE CONDITIONER FOR TOBACCO PIPES
George W. Webb, Los Angeles, Calif.
Application April 21, 1937, Serial No. 138,196
5 Claims. (Cl. 131—204)



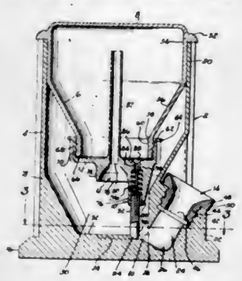
1. A smoke conditioning and moisture absorbing means for tobacco smoking devices comprising a substantially tubular piece of absorbent material adapted to be positioned upon a portion of the mouth piece of the smoking device, which portion is inserted in the stem of said device, said portion having a smoke conducting groove therein and a clip adapted to engage in said groove without obstructing the passage of smoke therethrough and to engage with said tubular member for detachably connecting the latter with said portion, whereby said tube may be inserted into and removed from the stem together with said portion.

2,149,649
COVERING FOR DANDY ROLLS, CYLINDRICAL MOLDS, OR THE LIKE FOR USE IN PAPER MAKING MACHINES
Nelson W. Webb, Belleville, N. J., assignor to Eastwood-Nealley Corporation, Belleville, N. J., a corporation of New Jersey
Application August 16, 1935, Serial No. 36,448
1 Claim. (Cl. 92—48)



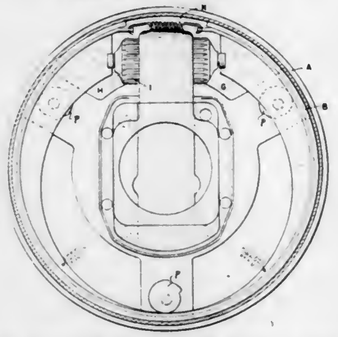
In a dandy roll, cylindrical mold, or the like, a cylindrical wire supporting surface, a woven wire covering therefor, comprising a length of woven wire fabric, having its ends disposed in opposed relation along a line parallel to the axis of said supporting surface and circumferentially butted and joined by fusion with a solder strip disposed between said opposed ends and also engaged and fused with said supporting surface, the seam formed thereby being entirely below the cylindrical surface of said covering fabric and constituting a common connection between the opposed ends of said fabric and between said covering and said supporting surface.

2,149,650
INKWELL AND THE LIKE
Paul A. Westphal, Los Angeles, Calif.
Application February 13, 1937, Serial No. 125,558
4 Claims. (Cl. 120—59)



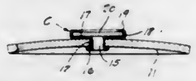
1. In an ink well comprising, a pair of containers disposed one within the other forming a dispensing and accumulating chambers respectively, a valve means member associated with the said dispensing chamber of the inside container for controlling the fluid flow therefrom, ink fluid passage means positioned at the bottom of the said accumulating chamber for regulating the flow of the said fluid from the said dispensing chamber and through the said valve means, a cap means associated with said containers for controlling the position of the said valve means within said accumulating chamber in respect to the said fluid passage means and for controlling the fluid flow from one container into the other.

2,149,651
BRAKE CONSTRUCTION
John William White, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 27, 1936, Serial No. 61,080
7 Claims. (Cl. 188—152)



1. The combination with a brake drum and a backing plate therefor, of floating brake friction means operatively associated with the drum, an hydraulic actuator between opposite ends of said brake friction means comprising a cylinder and oppositely moving pistons therein for engaging the respective ends of said brake friction means, and a bearing on said backing plate in which said cylinder is slidably mounted for axial movement, said bearing also constituting an anchor stop alternatively for opposite ends of said brake friction means, and means between said brake friction means and each piston for engaging said stop.

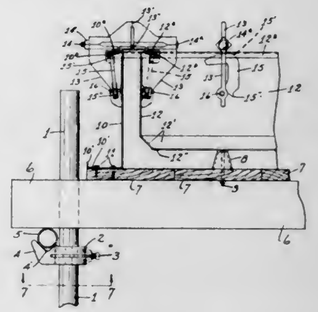
2,149,652
HEAD MIRROR
Curtis Whitticar, Philadelphia, Pa.
Application February 9, 1938, Serial No. 189,473
5 Claims. (Cl. 128—21)



1. In combination, a head mirror formed with a central opening, a connecting member made from a flexible and elastic material formed with a groove receiving the edge of said mirror about said opening, said connecting member also being formed with structure disposed exteriorly of the mirror and defining a second groove, and a lens in said second groove.

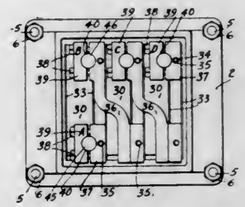
2,149,653
FORM FOR CONCRETE STRUCTURES
Mike Winandy, Richmond, Ind.
Application February 1, 1937, Serial No. 123,422
3 Claims. (Cl. 25—118)

1. In forms for concrete structures, a vertically disposed outer side member having an outwardly turned flange formed on the lower portion thereof with the flange being secured to floor members and with the upper portion of the outer side member turned in a horizontal position and at right angles to the vertically disposed portion and with the outer edge of the upper horizontal portion being turned downwardly, a clamp member removably secured on the upper portion of said side member, a wedge member forming a part of said clamp member and pivotly secured thereon and adapted to wedge against the under side of the upper portion and rigidly securing



the same thereto, and with the clamping member supporting and positioning an inner side member in predetermined spaced relation with the outer side member.

2,149,654
ELECTRIC WELDING APPARATUS
Herbert A. Woofter, Detroit, Mich., assignor to Swift Electric Welder Company, Detroit, Mich., a corporation of Michigan
Application February 19, 1936, Serial No. 64,727
4 Claims. (Cl. 171—119)



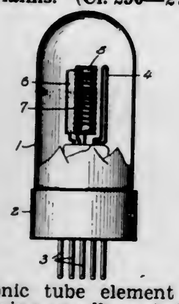
3. An electric transformer comprising a core, a primary winding and a secondary winding consisting of a plurality of U-shaped bars with liquid conduits extending through the interior thereof, means for conducting liquid to and from said conduits, and means for electrically connecting the free ends of said U-shaped bars to form said secondary winding.

2,149,655
HEAD COVERING
Fumiko Yamaguchi, Los Angeles, Calif.
Application August 3, 1938, Serial No. 222,841
10 Claims. (Cl. 66—171)



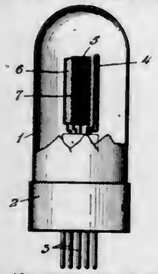
1. A crocheted headpiece having a brim or visor also formed of crochet stitches and characterized by the fact that there is reinforcement at the juncture of the crown with the brim or visor, formed by rows of switches pulled together.

2,149,656
THERMIONIC TUBE
Harry Howard Armstrong and Arthur Burley Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C., a corporation of Delaware
Application November 6, 1935, Serial No. 48,589
12 Claims. (Cl. 250—27.5)



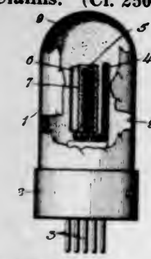
1. An electronic tube element comprising a metallic base having an adherent electrodeposited surface consisting essentially of tungsten and thorium.

2,149,657
THERMIONIC TUBE
Harry Howard Armstrong and Arthur Burley Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C., a corporation of Delaware
Application March 12, 1936, Serial No. 68,557
4 Claims. (Cl. 250—27.5)



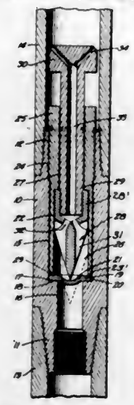
1. A grid for thermionic tubes which comprises a suitable metal base having electrodeposited thereon a surface including tungsten and tantalum together with a metal of the iron group.

2,149,658
THERMIONIC TUBE
Harry Howard Armstrong and Arthur Burley Menefee, Beverly Hills, Calif., assignors to Tungsten Electrodeposit Corporation, Washington, D. C., a corporation of Delaware
Application March 12, 1936, Serial No. 68,558
2 Claims. (Cl. 250—27.5)



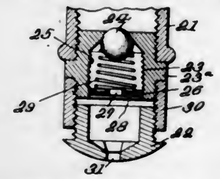
1. A plate for thermionic tubes having an electrodeposited surface of a tungsten nickel alloy thereon.

2,149,659
FLUID RELEASE DEVICE
Wilbur F. Bettis, Glendale, Calif., assignor to Mordica O. Johnston, Glendale, Calif.
Application August 10, 1937, Serial No. 158,400
2 Claims. (Cl. 166—1)



1. A fluid releasing device comprising a housing, walls providing a primary bore in said housing, walls providing a secondary bore in said housing communicating with said primary bore and forming a shoulder therebetween, a tubular sleeve disposed in said primary bore and having serrations on the lower end thereof, a frangible disc mounted on said shoulder and normally establishing a seal between said bores, said disc being held in sealing position by the penetration of said serrations in the marginal part thereof, a tubular stem adapted for movement within said sleeve, a perforating element having a collar threaded to the lower end of said stem, said perforating element acting to puncture said disc when moved in one direction, fluted portions forming passages in the surface of said perforating element, and walls forming openings in the lower end of said collar communicating with said passages to permit the passage of fluid through the disc after the perforating element has penetrated the same.

2,149,660
LIQUID DISTRIBUTING APPARATUS
Charles F. Blood, Jr., Springfield, Mass., assignor of one-half to Charles P. Price, Natick, Mass.
Application May 7, 1937, Serial No. 141,348
2 Claims. (Cl. 299—34)

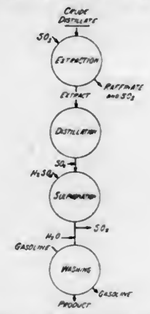


1. An oil distributing apparatus, including in combination, a source of supply for the oil, a distributor pipe for receiving the oil, conduit means connecting the source of supply with said distributor pipe, a main control valve for controlling the flow of oil from the source of supply to said distributor pipe, a plurality of downwardly directed discharge pipes communicating with said distributor pipe and depending therefrom, a nozzle associated with each of said discharge pipes for spraying the oil issuing therefrom, means providing a valve seat within each of said discharge pipes, a valve adapted for cooperation with each of said valve seats and disposed between the valve seat and said nozzle, spring means associated with each of said discharge pipes for normally forcing said valve upwardly into contact with said valve seat for closing communication between the discharge pipes and the nozzles when the main control valve is closed whereby to prevent dripping of oil remaining in the distributor pipe, and means disposed between each of said nozzles and each of said valves for adjusting the tension of each of said spring means whereby to effect a uniform distribution of the oil from said nozzles and to determine a predetermined pressure in said distributor pipe at which said valves will open.

2,149,661
MINERAL OIL SULPHONATES
Robert Louis Brandt, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application December 21, 1936, Serial No. 117,096
19 Claims. (Cl. 260—504)

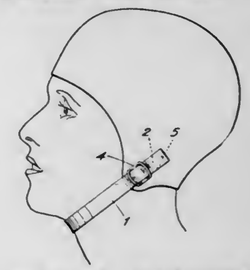
1. A composition of matter characterized by its ability to act as a detergent and as a wetting agent in aqueous solutions, by a substantial absence of color and odor, both in its dry form and in aqueous solution, and by the fact that its aqueous solutions do not stain fabrics, said composition being preparable by solvent extracting mineral oil with a preferential solvent that tends to dissolve certain constituents of the oil and not to dissolve others, the constituents which the solvent tends to dissolve being generally those of an unsaturated nature, including those of aromatic nature, and thereafter treating the material extracted, while in solution in liquid sulphur dioxide with a sulphonating agent.

2,149,662
MINERAL OIL SULPHONATES
Robert L. Brandt, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application April 22, 1937, Serial No. 138,463
9 Claims. (Cl. 260—504)



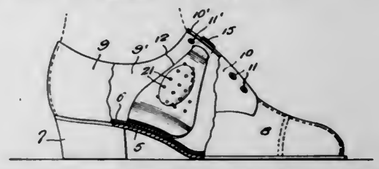
1. A composition of matter characterized by its ability to act as a detergent and as a wetting agent in aqueous solutions, by a substantial absence of color and odor, both in its dry form and in aqueous solutions, and by the fact that its aqueous solutions do not stain fabrics, said composition being preparable by fractionally distilling and solvent extracting mineral oil so as to produce a material boiling around 210 to 250° C. at 5 mm. pressure, said solvent extraction being performed by the use of a preferential solvent which tends to dissolve certain constituents of the oil and not to dissolve others, the constituents which the solvent tends to dissolve being generally those of an unsaturated nature, including those of aromatic nature, and thereafter treating the material, while in solution in liquid sulphur dioxide, with a sulphonating agent.

2,149,663
STRAP AND BUCKLE FASTENING
Frank Brighten, London, England
Application February 5, 1938, Serial No. 189,004
In Great Britain September 13, 1937
1 Claim. (Cl. 24—266)



In a strap and buckle attachment for bathing caps, a flat prongless buckle having strap receiving slots, a flexible strap having an integral stop device thereon near the leading end thereof, said device consisting of a substantially flat compressible projection formed on one face of the strap, said projection being thinned off in the direction of its length toward the leading end of the strap and merging into the surface of the strap to facilitate its being compressed and threaded through the slots of the buckle, and the end of the projection opposite the leading end of the strap providing an abutment ridge for engaging an edge of one of the slots in the buckle.

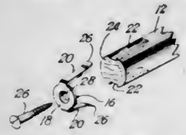
2,149,664
ARCH SUPPORTING SHOE
Lloyd W. Brown, Rochester, N. Y., and Herman T. Wood, Camp Hill, Pa.
Application February 23, 1937, Serial No. 127,268
1 Claim. (Cl. 36—71)



A low cut arch supporting shoe comprising a sole and heel, a vamp, inner and outer quarters having closure wings adapted to extend and be secured across the instep, the closure wing of the inner quarter being provided at the top with a slot, a strap attached to the outside of the closure wing of the outer quarter and carrying a buckle, and an arch supporting band secured at one end at the outer edge of the inner sole, said band extending across and above the shank within the shoe, then upwardly along the inner side of the inner quarter, then slidably extending outwardly through the slot in the closure wing of the inner quarter, and adapted to extend across and upon the adjacent upper portions of the closure wings for adjustable connection with said buckle

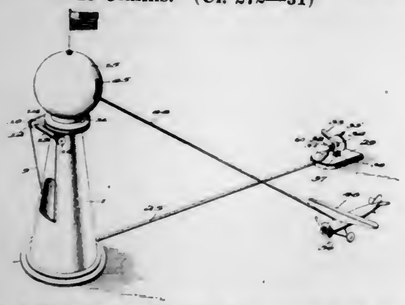
attached to the closure wing of the outer quarter, the portion of the arch supporting band extending across the shank and upwardly along the inner quarter being of relatively increased width and formed of two layers, and a pad secured between said layers and shaped to cause the adjacent portion of the band to fit the foot at the inner side of the arch.

2,149,665
FASTENER
Harry Box, Cedar Rapids, Iowa
Application May 10, 1937, Serial No. 141,803
1 Claim. (Cl. 20—92)



In a furniture construction, a first member having a bore, a second member having an end reach fitting inside said bore, said end reach having longitudinal grooves intersecting the end face of the reach, a fastener including a plate extending across the end face of said end reach and having flexible prongs lying within said grooves, said flexible prongs normally diverging toward their outer ends, and means for securing said plate to said face, said prongs having ends shaped to extend beyond the diameter of said end reach, to be anchored in the wall of said bore, the wall of said bore flexing the prongs inwardly of said grooves.

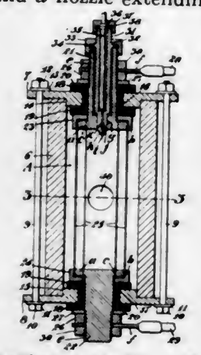
2,149,666
ELECTRICAL TOY AIRPLANE
Frederick A. Christiansen, Los Angeles, Calif., assignor of two-thirds to William H. Hammer and one-third to Lane Rhodes, both of Santa Monica, Calif.
Application May 7, 1937, Serial No. 141,371
19 Claims. (Cl. 272—31)



15. A toy airplane apparatus comprising a toy plane and including means for supporting and guiding the plane around a center, including a motor and a pivotally mounted weight, said supporting means being supported on said weight and manual means including a single element connected to said weight for causing said plane to be raised or lowered from a supporting surface upon manual actuation of said element.

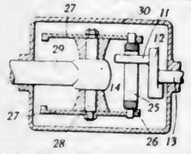
2,149,667
FLUID PRESSURE GENERATOR
Vernie E. Clarke, Los Angeles, Calif., assignor to Christine Association, Inc., Los Angeles, Calif.
Application May 10, 1937, Serial No. 141,637
5 Claims. (Cl. 219—38)

1. In a vapor generator, a cylinder, end walls on said cylinder, electrically conductive plugs extending through said end walls and insulated therefrom, electrically conductive resistant wires leading between said plugs, one of said plugs being hollow, and a nozzle extending through said



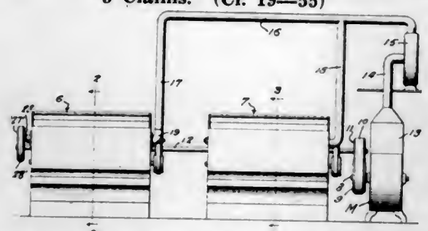
hollow plug having a needle orifice opening interiorly of said cylinder, means for directing liquid under pressure through said nozzle, and means for delivering generated vapors from said cylinder.

2,149,668
CHANGE-SPEED GEARING
Cedric Crosthwaite, Darlington, England
Application December 10, 1936, Serial No. 115,215
In Great Britain December 10, 1935
2 Claims. (Cl. 74—60)



1. Change-speed gearing comprising in combination a driving shaft, a driven shaft carrying an inclined crankpin, an oscillatable member rotatably mounted on said crankpin, a closed casing drivingly connected to said driving shaft and enclosing said oscillatable member, and a body of liquid filling said casing to increase the inertia effect of said oscillatable member, said casing having slots in which said oscillatable member works when said shafts are rotated relatively to one another.

2,149,669
COTTON-DRIER GIN
Curtis Henry Cumpston, Dallas, Tex., assignor of one-fourth to Adeline M. McMahon, and one-fourth to Jessiejo Eckford, Dallas, Tex.
Application October 26, 1938, Serial No. 237,104
5 Claims. (Cl. 19—55)



1. A cotton gin having a roll box, a perforated cylinder mounted to rotate within said roll box,

means for conducting a heating medium into said cylinder, and means for supporting the cylinder in contact with the cotton in the roll box during the ginning thereof and out of contact with the saws of the gin.

2,149,670
CARBONATOR
Ralph S. Fetterly, Los Angeles, Calif.
Application February 15, 1937, Serial No. 125,821
3 Claims. (Cl. 261—59)



1. In a carbonator, a casing, a valve controlled water inlet thereto, a valve-controlled gas inlet thereto, said valves being operatively connected for movements in opposite directions to simultaneously open said inlets, an inner casing shorter than the inside of said casing and open at its top to receive the mixture of water and gas as it rises in said casing to the top of said inner casing, an outlet means at the bottom of said casings communicating with the inner casing, and means within said inner casing to cause a surging and better mixing of gas and water in said inner casing when outflow is caused through said outlet means.

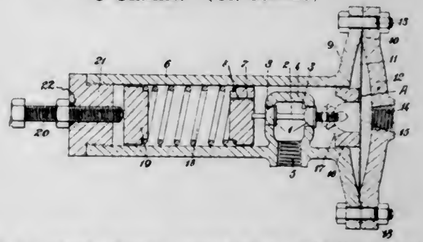
2,149,671
PROCESS FOR PURIFYING CARBON BLACK WHICH HAS BEEN FORMED ON IRON-CONTAINING CONTACTS
Hans Heinrich Franck, Berlin-Charlottenburg, and Diederich Wilm, Berlin-Friedenau, Germany
No Drawing. Application February 26, 1936, Serial No. 65,934. In Germany February 28, 1935
9 Claims. (Cl. 134—60)

1. A method of purifying carbon black containing carbide of iron group metal which has been formed on iron-containing contacts consisting in treating the carbon black at temperatures exceeding 400° C. with at least one of the substances chlorine gas and hydrogen chloride gas.

2,149,672
PROCESS FOR MAKING A PRESS POWDER
Albert Rudolph Frank and Hans Heinrich Franck, Berlin-Charlottenburg, Karl Zieke, Trostberg, and Emil Hey, Berlin, Germany
No Drawing. Application September 7, 1937, Serial No. 162,828. In Germany September 8, 1936
1 Claim. (Cl. 260—69)

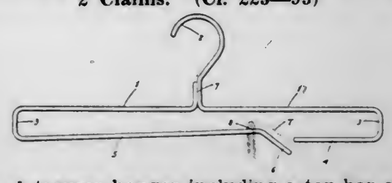
A process for producing a press powder consisting in boiling a mixture of dicyandiamide and a 40% solution of formalin under reflux for about three hours, the proportion of the reactants being 1 mol of dicyandiamide and 2.75 to 3.25 mols of formaldehyde, then effecting polymerisation on a water bath at 80° C., to form a jelly, comminuting the jelly, drying said comminuted jelly at 100 to 110° C., grinding the dried jelly, suspending the finely ground jelly in water, filtering off the water, washing the product and finally drying the product at room temperature in vacuo.

2,149,673
MEANS FOR CONTROLLING THE FLOW OF FLUIDS
Richard Godfrey, Cheadle Heath, Stockport, England
Application December 19, 1935, Serial No. 55,257
In Great Britain December 21, 1934
3 Claims. (Cl. 50—13)



3. A valve device comprising a hollow casing having an inlet opening and an outlet opening, a flexible diaphragm disposed with its flexible part across the hollow interior of the casing between the inlet and outlet openings and having a restricted orifice in its effective portion and arranged so that the effective pressures on the opposite sides thereof are determined by the flow of fluid through the diaphragm, a movable member controlling the outlet opening and movable by the diaphragm and means guiding the said movable member for movement within the casing including a guide member disposed against the outlet side of the diaphragm and having a hollow interior in communication with said restricted orifice but of greater cross sectional area than the latter, the said hollow guide member having a lateral opening affording communication between the interior thereof and the exterior.

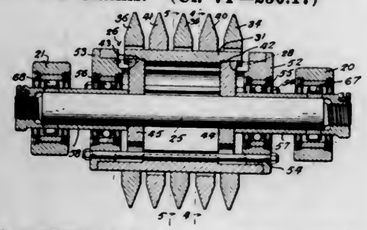
2,149,674
CLOTHES HANGER
Granville Lloyd Hendrix, deceased, late of Santa Rosa, Calif., by Ella O. Hendrix, executrix, Santa Rosa, Calif.
Application February 8, 1938, Serial No. 189,343
2 Claims. (Cl. 223—95)



1. A trouser hanger including a top bar and a bottom bar mounted therebeneath, said bottom bar comprising a pair of sections secured at their outer ends in connection with the top bar, one section being disposed at an upward and inward slope relative to the other section whereby the inner end of said one section is disposed in a plane above the plane of the other section, and a

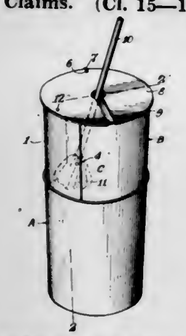
trouser engaging finger formed on the inner end of said one section and sloping downward to a termination below the plane of said other section.

2,149,675
VARIABLE SPEED TRANSMISSION
Nelson B. Henry, Columbus, Ga.
Application November 11, 1937, Serial No. 174,118
8 Claims. (Cl. 74—230.17)



1. A multiple belt speed change sheave comprising a shaft, a cylindrical support, means for fixing said support to said shaft, a set of bevel edged rings equi-distantly spaced along said support and secured against axial movement thereon, a second cylindrical support, means for mounting said second support to slide axially on said shaft, a second set of bevel edged rings spaced apart at distances equal to the spacing between the first named rings along said second support and arranged in alternation with the first named rings, all of said rings and shaft having a common axis.

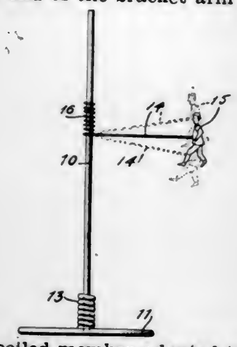
2,149,676
DUST CONTAINER
Edith L. Hill, Governors Island, N. Y.
Application July 31, 1937, Serial No. 156,781
2 Claims. (Cl. 15—104)



2. A dust confining container comprising in combination a bucket-like container, a portion formed from a one-piece blank of flexible material telescopically and expansibly engageable in said bucket, constituting a continuation thereof, and closure means carried by said portion adapted to permit a mop handle to extend therethrough, whereby the escape of dust during shaking of the mop within the container is prevented.

2,149,677
TOY
Jakob Hojnowski, Nekoosa, Wis.
Application May 18, 1937, Serial No. 143,358
2 Claims. (Cl. 46—47)

1. In a toy of the character described, a base support, a perpendicular rod rising therefrom, a bracket arm supported at one end on the rod and carrying a figure toy at its other end and the rod supported end of the bracket arm comprising an

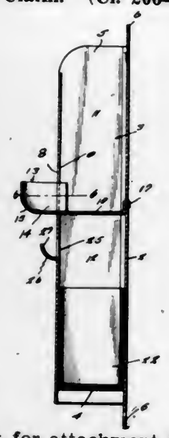


elongated coiled member adapted to move slowly downwardly on the rod during swinging movement of the bracket arm around the perpendicular rod.

2,149,678
ACID-AMINE CONDENSATION PRODUCTS
Almon G. Hovey, Pleasant Ridge, and Theodore S. Hodgins, Detroit, Mich., assignors to Helmuth Reichhold, Detroit, Mich., doing business as Reichhold Chemicals
No Drawing. Application February 2, 1938, Serial No. 188,392
2 Claims. (Cl. 260—2)

1. A resinous condensation product prepared by fusing benzoylbenzoic acid and an organic amine, said acid and amine constituting the principal reacting ingredients.

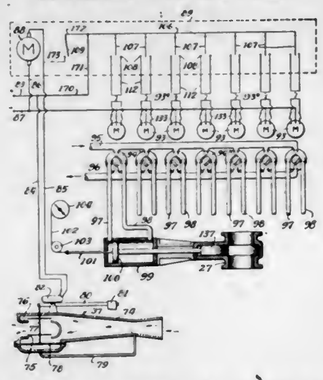
2,149,679
MATCH BOX
Lycon Leroy Hudson, Tampa, Fla.
Application May 21, 1938, Serial No. 209,347
1 Claim. (Cl. 206—31)



A match box for attachment to a wall or the like comprising an elongated rectangular receptacle having an open upper end, a closed lower end and a front wall apertured intermediate said ends of the receptacle, the aperture extending across said front wall, and a transverse partition member in the receptacle at the bottom of said aperture forming in the receptacle an upper compartment adapted to contain a box of matches

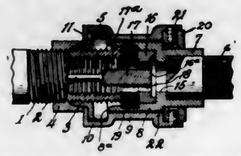
resting on said partition and accessible through said aperture, said partition having a tray-like extension protruding through the bottom of said aperture in front thereof, said extension having side walls, said side walls at the rear edges thereof and the front wall of the box being crimped into interlocking relation to secure the tray in position, and said aperture arching above said side walls to facilitate insertion of the fingers therethrough over said walls.

2,149,680
FILTER
Ira H. Jewell, Evanston, Ill.
Application February 28, 1935, Serial No. 8,732
10 Claims. (Cl. 210—130)



3. In a filtration plant, the combination with a bed of loose filtering material provided with means for retaining it only at its sides and bottom and inlet and effluent means whereby water can be passed downward through the bed to filter it and wash water can be passed upward through it to wash it, of a series of valves connected with the inlet and effluent means to control said filtering and washing movements of water through the bed, motors for operating said valves, a motor operated program switching mechanism set to start the motors necessary to close some of the valves and open others to shift them from their filtering to their washing positions and after a suitable time to reverse their movement to shift the valves from the washing to the filtering position and then break the circuit to its own motor, a switch to start the program switching mechanism, and means actuated by the rate of filtration to close said switch when said rate falls to a certain point.

2,149,681
CONTROL DEVICE
Carey W. Johnston, Newark, N. J.
Application January 25, 1937, Serial No. 122,300
9 Claims. (Cl. 284—19)



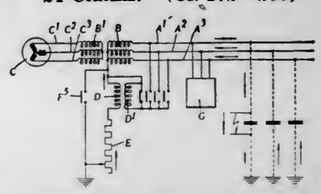
1. In a pipe coupling the combination of a pair of pipes and a sealing member therebetween; a valve in one of said pipes and including a valve pin; and means carried by the other pipe to actuate said pin when the ends of the pipes are coupled, said means comprising a stud having an integral base fixedly retained by said sealing member.

2,149,682
PROCESS OF IMPROVING THE BAKING STRENGTH OF FLOUR
Holger Jørgensen, Copenhagen, Denmark, assignor, by mesne assignments, to N. V. Noury & van der Lande's Exploitatie Maatschappij, Deventer, Netherlands
No Drawing. Application August 13, 1935, Serial No. 36,039. In Denmark March 29, 1935
4 Claims. (Cl. 99—90)

1. A method of improving the baking strength of dough comprising the step of imparting to the dough from 0.2 gram to 5 grams of a substance selected from the group consisting of ascorbic acid and the alkali salts thereof per 100 kilograms of the flour used in producing the dough.

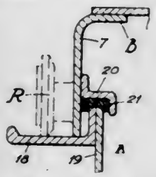
3. An improved flour consisting of from 0.2 gram to 5 grams of a substance selected from the group consisting of ascorbic acid and the alkali salts thereof per 100 kilograms of flour.

2,149,683
EARTH FAULT CONTROL ARRANGEMENT FOR POLYPHASE ALTERNATING CURRENT TRANSMISSION AND DISTRIBUTION SYSTEMS
Henry Leyburn, Newcastle-upon-Tyne, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application November 2, 1937, Serial No. 172,490
In Great Britain November 12, 1936
24 Claims. (Cl. 172—237)



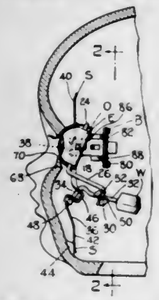
1. An earth-fault control arrangement for a polyphase A. C. system, comprising an earth connection from a neutral point of the system, an injection transformer having its secondary winding connected in series in the earth connection, an impedance, which is substantially non-inductive at the frequency of the supply system, connected in series with one of the windings of the injection transformer, and switching means operative on the occurrence of an earth fault on one of the phases of the system to supply to the primary circuit of the injection transformer a voltage having the same frequency as the supply system and a phase such that the voltage injected by the secondary winding of the transformer into the fault loop comprising the earth connection, the part of the faulty phase between the neutral point and the fault, the fault itself, and earth, produces in the fault loop a current which is substantially in phase opposition to the earth-fault current, the magnitudes of the impedance and the voltage supplied to the primary circuit of the injection transformer being such that the current produced in the fault loop by the injection voltage is substantially equal to the earth-fault current flowing before operation of the switching means.

2,149,684
SHIP'S HATCH COVER
Joseph Macgregor, Whitley Bay, England
Application March 3, 1937, Serial No. 128,854
5 Claims. (Cl. 114—201)



1. A hatch structure including, in combination, a hatch cover having a down-turned flange providing a bottom edge, a coaming, a seat below the upper edge of the coaming on which the bottom edge of the hatch cover rests, and a soft sealing member supported on the inside of the cover flange at a higher elevation than the said bottom edge thereof to yieldingly engage the top edge of the coaming and provide a compressed inner seal for the hatch structure.

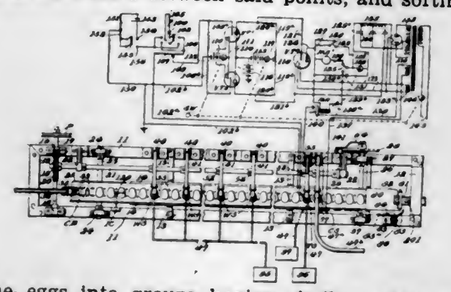
2,149,685
ROLLING EYESET
Samuel Marcus, Belle Harbor, N. Y., assignor, by mesne assignments, to Margon Corporation, Bayonne, N. J., a corporation of New Jersey
Application May 1, 1935, Serial No. 19,133
22 Claims. (Cl. 46—168)



1. A rolling eye set comprising a pair of eyes, pivot means for affording horizontal and vertical oscillation of the eyes, appropriate weight and link means for causing horizontal and vertical oscillation of the eyes, and means including three coaxial parts interconnecting the eyes, a pair of said parts mating to afford free axial movement of one part relative to the other while preventing rotational movement of one part relative to the other, and one of said pair of parts and the third part mating to afford frictional rotational movement of one relative to the other, the three parts together affording manual rotative adjustment of one eye relative to the other and free automatic self-adjustment of the spacing between the eyes.

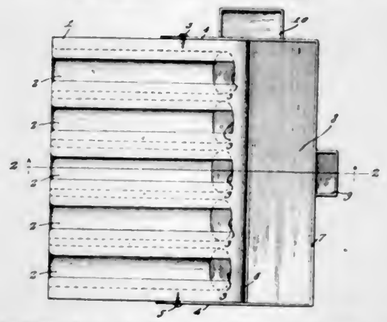
2,149,686
EGG TESTING METHOD AND MACHINE
Frederick L. Rivenburgh, Springfield, Ohio
Application June 3, 1936, Serial No. 83,383
23 Claims. (Cl. 209—81)

5. Method of testing and sorting eggs, which comprises supporting the egg in a definite position with the major axis horizontal so that normal hatchable eggs of the same period of incubation may orient themselves, wetting the egg shells at vertically spaced points, determining the electromotive force between said points, and sorting



the eggs into groups having similar values of electromotive force.

2,149,687
HOLDER FOR CHIPS AND PLAYING CARDS
John Rivers, Virginia, Minn.
Application October 26, 1937, Serial No. 171,105
1 Claim. (Cl. 273—148)

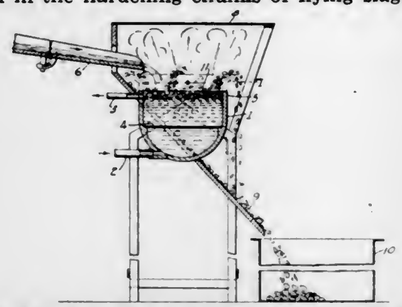


A holder for playing cards and chips, comprising a substantially flat body having horizontally disposed substantially cylindrical bores therein providing chip receiving pockets, said bores extending through one side of the body to provide open ends therefor and terminating short of the opposite side of the body to provide closed ends arranged at a downward angle toward said open ends, said bores opening through the top of the body throughout their length, a cover for the body and including a U-shaped portion having the arms thereof pivotally secured to the body for movement of the cover to open and closed positions, the bight portion of the U-shaped portion being adapted to close the open ends of the pockets, a wall included in the cover to overlie the bores, and a handle for the cover.

2,149,688
TREATMENT OF SLAG
Charles W. Schott, Duquesne, Pa.
Application September 10, 1936, Serial No. 100,179
4 Claims. (Cl. 49—14)

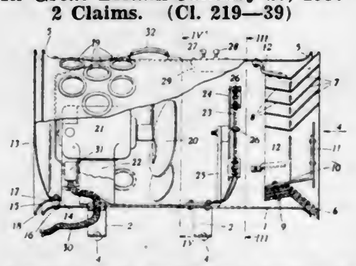
1. A process to produce porous chunks of slag, comprising flowing a stream of molten slag with minimum loss of heat directly upon the surface of a relatively deep pool of water, so that the slag is permeated by steam and gradually expanded and hardened thereby and flies in the form of chunks from the surface, confining the flying slag to a limited area above the surface of the pool, whereby the newly formed expanding chunks are blanketed by previously expanded chunks, for maintaining a warm atmosphere on

all sides of the flying chunks to prolong congelation and facilitate puffing and pore-forming action in the hardening chunks of flying slag.



3. Apparatus for producing porous chunks of slag, comprising a reservoir having an outlet to maintain constant level of liquid, means to distribute a supply of water below the liquid level, means to feed molten slag directly upon the surface of the water from a height up to about six inches, and means to confine the slag comprising a rim above the surface of water within a limited distance from the slag feed to promote heat blanketing of expanding masses and gradual discharge of slag accumulating above the liquid.

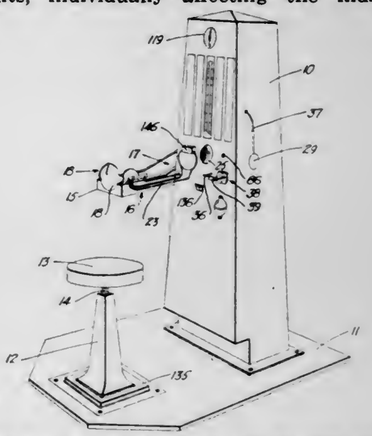
2,149,689
HEATING AND VENTILATING DEVICE
William Alec Duncan Smith, Hampstead, London, and Norman Hugh Webb, Hendon, London, England
Application January 21, 1938, Serial No. 186,174
In Great Britain January 29, 1937
2 Claims. (Cl. 219—39)



1. A heating and ventilating device comprising in combination a tubular casing provided with an air inlet at one end and an air outlet at the opposite end, means comprising a series of outwardly flared rings of uniformly varying diameter arranged eccentrically within one another in the same plane in said outlet, an electric fan and an electric heater both disposed within said casing, and means for connecting said fan and heater to a supply of electrical power.

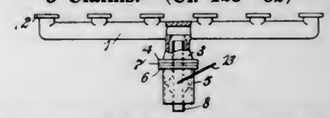
2,149,690
BLOOD PRESSURE TESTING MACHINE
George A. Snyder, West Hollywood, Calif.
Application August 14, 1935, Serial No. 36,242
11 Claims. (Cl. 128—2.05)

1. A blood pressure testing machine comprising pressure applying means adapted to be associated with the arm of a person whose blood pressure is being taken, pressure measuring means connected therewith and including a U-tube containing mercury, pressure creating means acting upon the pressure applying means and the measuring means, whereby the body of mercury will be shifted in position within the legs of the U-tube under application of pressure of different magnitude, and electrically energized pressure indicating means connected with the U-tube, and including a plurality of separate circuits, individually affecting the indicating



means in direct relation to the various positions of the body of mercury within the column, whereby the blood pressure of the patient will be indicated, and control means affected by the position of said mercury column for initiating and interrupting a flow of electric current to the aforesaid circuits.

2,149,691
THROTTLE CONTROLLED INDUCTION SYSTEM OF INTERNAL COMBUSTION ENGINES OF THE COMPRESSION IGNITION TYPE
Thomas James Swinney, London, England
Application February 23, 1938, Serial No. 192,148
In Great Britain February 24, 1937
5 Claims. (Cl. 123—52)

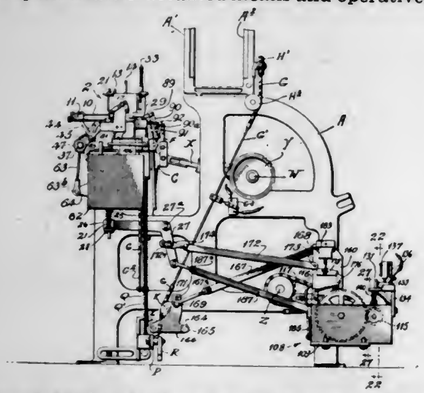


1. An induction system for compression ignition engines comprising two concentrically arranged tubes constituting passages for the supply of air to the engine cylinders, and in one only of such tubes a movable valve element adapted to control the flow of air therethrough, leaving a free and uncontrolled passage for air through the other tube.

2,149,692
LOOM
Philip F. Tirrell, Phillipsburg, N. J.
Application January 26, 1937, Serial No. 122,462
24 Claims. (Cl. 139—232)

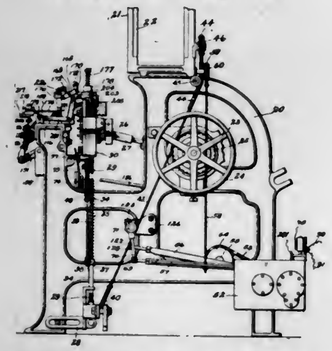
1. A loom comprising in combination, a frame; lay-carried shuttle box having a spent shuttle discharge cell, a replacement shuttle receiving cell and a plurality of working cells; working shuttles carrying different thread and operating from different predetermined ones of said working cells; means for actuating the working cells to operative position in predetermined sequence in normal operation of the loom; a frame-carried replacement shuttle magazine having a shuttle support and an outlet; replacement shuttles carried by

said support and having thread corresponding to the thread of the respective working shuttles; means for shifting said replacement shuttle support to position a predetermined shuttle for movement to said outlet; spent shuttle-operated means for actuating said spent shuttle-receiving and replacement shuttle-receiving cells to operative position; replacement shuttle-selecting means including said working cell actuating means and said spent shuttle-actuated means and operatively



connected to said support-shifting means of the magazine; shuttle-ejecting means for said magazine and operable to supply a selected shuttle to said replacement shuttle-receiving cell when the latter is in operative position; lay carried means for operating said shuttle ejecting means, and said spent shuttle-operated means having a portion acting through said shuttle box means to put said replacement shuttle in operative running position from its proper working cell.

2,149,693
LOOM
Philip F. Tirrell, Phillipsburg, N. J.
Application February 5, 1937, Serial No. 124,306
12 Claims. (Cl. 139—232)



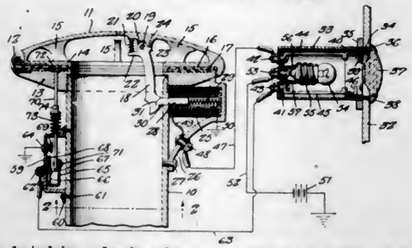
1. In a multi-shuttle shuttle changing loom operating with a shuttle box shifting to render any one of a plurality of weaving shuttles active, a normally stationary lever to be moved to effect shuttle change, a regularly rotating shaft, a driving clutch element slidable axially on the shaft and rotatable therewith, a driven clutch element freely rotatable and axially immovable on the shaft, resilient means normally holding said clutch elements disengaged, a member operable to move the driving clutch element into engagement with the driven clutch element to cause rotation thereof, a releasable latch normally holding said member inoperative, means effective on exhaustion of the active shuttle to release said latch, and means operable by rotation of said driven clutch element to move said shuttle change effecting lever.

2,149,694
SPONTANEOUSLY INFLAMMABLE FLASHLIGHT COMPOSITION AND METHOD OF PREPARATION
Richard E. Vollrath, Los Angeles, Calif.
No Drawing. Application August 9, 1937, Serial No. 158,115
17 Claims. (Cl. 52—24)

1. A spontaneously inflammable composition including a mixture of a substance combustible in a gas, said substance emitting upon combustion substantial quantities of light, and a second substance pyrophoric in said gas.

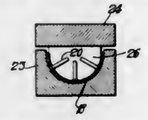
16. A method for producing a spontaneously inflammable flash light composition which includes forming a mixture of a finely divided flash material combustible in a gas and a compound of a metal, said metal being capable of a form pyrophoric in said gas, and heating said mixture in the absence of said gas at a temperature sufficiently high and for a sufficient time period to decompose said compound to produce said metal in the mixture in pyrophoric form.

2,149,695
ELECTRICALLY CONTROLLED LOCK
James M. Wilhelm, Marietta, Ohio
Application September 3, 1935, Serial No. 38,997
1 Claim. (Cl. 292—144)



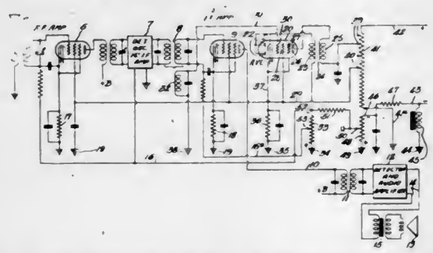
A latching device for use with a gasoline filling tube and a hinged cap for the tube having a spring connected to the cap and to the tube for opening the cap, comprising a latch adapted to be pivotally mounted on the bottom face of the cap and extend into the tube, a spring connected to the latch adjacent to the pivot for normally holding the latch pressed toward the tube in operative position, a solenoid, a spring pressed core for the solenoid having a tongue adapted to project laterally into the interior of the tube below the upper end thereof and having a terminal cam surface, a head on said latch having a notch receiving the extreme end of said core to hold the cap closed against the tension of its controlling spring, there being a cam surface on the head below the notch engageable with the cam surface of the core to permit the latch riding over the core when the cap is closed until the extreme end of the core registers with said notch, the controlling spring of the latch forcing the latch to operative position with the tongue fitted in the extreme end of the notch and lock the cap closed, and means for energizing the solenoid to withdraw the core from the notch and permit the controlling spring of the cap to swing the cap open.

2,149,696
METHOD OF MAKING HEAT EXCHANGERS
Henry S. Holmes, Brooklyn, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application March 13, 1936, Serial No. 68,605
2 Claims. (Cl. 29—157.3)



1. The method of making a heat exchanger of the character described which comprises welding projections along the length of a strip of sheet metal, leaving open transverse spaces, bending said strip to hollow form with the projections extending inward by pressure against the strip at said open transverse spaces and welding the edges of such strips together.

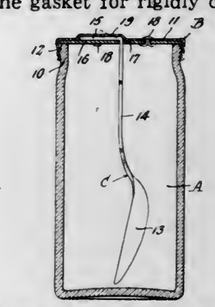
2,149,697
NOISE SUPPRESSOR SYSTEM
Poul F. G. Holst, Oaklyn, and Loren R. Kirkwood, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1936, Serial No. 98,746
3 Claims. (Cl. 250—20)



1. The combination with a radio receiving system having a main signal amplifying channel, of automatic volume control means comprising a second signal amplifying channel, a diode signal rectifier terminating said last named channel, a diode output resistor having the positive terminal thereof connected directly to ground and having automatic volume control connections thereon, means providing a fixed source of biasing potential, potentiometer means in circuit with said last named means having a movable contact for selecting a portion of said potential, means providing a connection equally conductive in either direction of direct current flow between said selecting means and the negative terminal of said output resistor, and a series resistor in said connection.

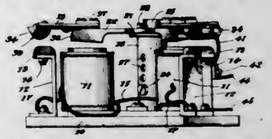
2,149,698
DISPENSING CONTAINER
Clen S. Humphrey, Brooklyn, N. Y.
Application March 10, 1938, Serial No. 195,072
2 Claims. (Cl. 215—38)

1. In a device of the character described, a container having a cup-shaped cap removably arranged thereon, a spoon having an angularly disposed shank terminal, a lining gasket within the cap having a slot through which the spoon shank protrudes with the angularly disposed shank terminal disposed between the lining gasket and the cap, and fastening means extending through the cap and the gasket for rigidly clamping the



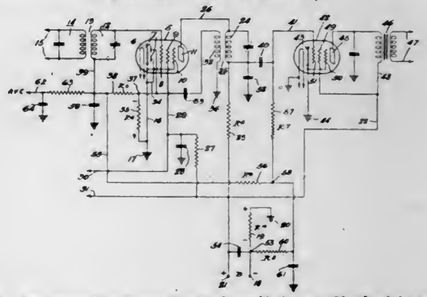
terminal of the spoon shank in place and for securing the gasket within the cap.

2,149,699
THREE-WAY SWITCH
Charles F. James and John H. Buckley, Beards Fork, and Samuel D. Buckley, Alloy, W. Va.
Application November 9, 1936, Serial No. 109,956
4 Claims. (Cl. 200—98)



1. A switch of the class described comprising a base, a supporting standard carried by said base, a contact member having a plurality of extending arms, a plurality of parallel spring fingers carried by and extending outwardly from the outer end of each arm in side by side relation to each other, flexible conducting strips extending from the arms under the spring fingers and secured to the arms and the fingers, a shoe carried by the outer end of each finger and having a rounded nose upon its lower face to provide wiping contact, electro-magnets cooperating with said arms for swinging the arms to a contacting position, and intake terminals adapted to contact with said shoes, the shoes because of said spring fingers and its shape providing a wiping contact with the intake terminal.

2,149,700
OVERLOAD CONTROL CIRCUIT
Loren R. Kirkwood, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1936, Serial No. 71,840
7 Claims. (Cl. 250—20)



1. An overload control circuit for a diode biased

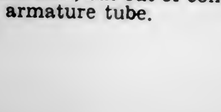
electric discharge device, comprising means providing a source of negative potential of substantially fixed value, a diode signal rectifier, having an anode, a cathode and low resistance output impedance means providing a source of signal variable negative potential, voltage drop producing network interconnecting said sources of potential and providing a relatively high resistance with respect to the resistance of said output impedance, and an electric discharge device having a control grid connected with a point on said network having a relatively low resistance path between said point and the negative terminal of said diode variable potential source, and said diode anode being connected with a point on said network having substantially zero initial negative potential in the absence of signals.

2,149,701

METHOD OF MAKING SHOES

Frank Maiellano, Winthrop, Mass., assignor, by mesne assignments, to Sbicca Method Shoes, Inc., Philadelphia, Pa., a corporation of Delaware

Application August 14, 1935, Serial No. 36,057
3 Claims. (Cl. 12—142)



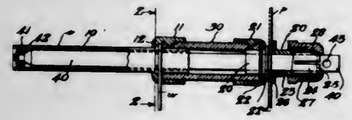
1. In a method of making shoes, the steps comprising forming composite sole blanks by cementing a ply of insole material to a ply of outsole leather, rounding sole units from said blanks suitable for the right and left feet, splitting each of said units along a plane below the cemented bond between said plies to form a two-ply insole and an outsole, reversing an insole from a sole unit rounded for one foot, and assembling it in a shoe with an outsole from a sole unit rounded for the other foot with the split face of said reversed insole uppermost in the finished shoe.

2,149,702

VARIABLE CONDENSER

Elwood S. Maris, Upper Darby, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1936, Serial No. 88,125
3 Claims. (Cl. 175—41.5)



2. A variable condenser comprising a pair of conductive tubes arranged in spaced end-to-end relation, one of said tubes constituting an armature of said condenser, a hollow insulating member spanning the space between said tubes, a pair of cup-shape members intimately joined respectively to said tubes and in which the opposite ends of said insulating member are immovably seated, and a rod-like armature extending through one of said tubes in slidable contact with the inner wall thereof and into, but out of contact with the walls of, said armature tube.

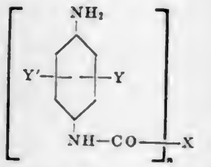
2,149,703

AZO DYES

Eugene A. Markush, Jersey City, Mark S. Mayzner, Asbury Park, and Julius Miller, Newark, N. J., assignors to Pharma Chemical Corporation, New York, N. Y., a corporation of New York

No Drawing. Application February 11, 1937, Serial No. 125,222
8 Claims. (Cl. 260—178)

1. The process of producing water-insoluble colored compounds which comprises combining an arylide of beta-hydroxy-naphthoic acid with a diazotized amine, the amine having the general formula:



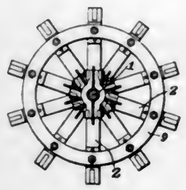
in which Y is alkyl or alkoxy and Y' is a halogen substituent, and X represents an aliphatic radical of a not less than four carbon and not more than six carbon acid and "n" is 1 when this aliphatic group is the radical of a monobasic acid and "n" is 2 when the aliphatic group is the radical of a dibasic acid.

2,149,704

THRASHING CYLINDER WITH RADIAL BARS AND SAFETY TEETH

Agustín Martínez B., Mexico, D. F., Mexico

Application October 20, 1936, Serial No. 106,553
In Mexico November 7, 1935
3 Claims. (Cl. 130—27)



1. A cylinder for thrashing, bruising, and similar machines comprising a shaft, a series of pairs of radial bars having central openings receiving the shaft, said pairs of radial bars being spaced longitudinally of said shaft and successive pairs being angularly disposed, the arrangement of parts being such that the ends of the successive pairs of bars are in helicoidal relationship; each of said bars having a longitudinal slit extending from each side of the central opening, the bars of each pair being arranged closely adjacent, with a pair of cleats on each side of the shaft engaging the bars of each pair with a bolt passing between said bars drawing said cleats together to form a clamp; perforations in each bar near the end equidistant from said shaft, and arranged in longitudinally aligned groups; round rods extending through each of said aligned groups of perforations, said rod having threaded ends, rings concentric with the shaft and forming the ends of the cylinder, said rings being provided with perforations through which the ends of said rods; spacer tubes surrounding each rod and extending from each ring to the nearest radial bar; and nuts engaging the threaded ends of said rods to hold the parts in assembly.

2,149,705

MAGAZINE PENCIL

Hans Maucher, New York, N. Y.

Application January 18, 1938, Serial No. 185,488
10 Claims. (Cl. 120—14)



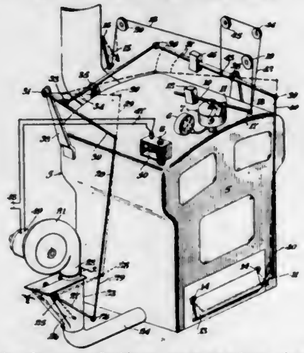
2. In a magazine pencil having a barrel and lead carrying mechanism in the barrel and an open end where-through the mechanism is inserted into the barrel, closure means for the open end comprising a laterally resilient open end on the barrel having an inwardly formed annular bead thereon, a colsure member having an annular groove adapted to engage and nest the said bead fitted into the said open end of the barrel and partly projecting therefrom, and a sleeve cap engaging the projecting end of the closure and fitting over the open end of the barrel to press the same against the closure.

2,149,706

FURNACE APPARATUS

James Mirra, Brooklyn, N. Y.

Application March 9, 1938, Serial No. 194,755
6 Claims. (Cl. 110—54)



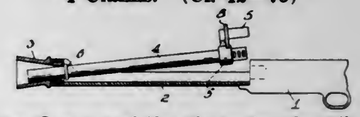
1. A draft regulating apparatus for a steam furnace having a natural draft inlet, comprising a draft door operatively associated with the inlet, a check door, electrically operated air-propelling means operatively connected to the furnace at a portion thereof remote from said natural draft air inlet, a make-and-break switch electrically connected to said air-propelling means, switch-control means operatively associated with the furnace and the switch and set to actuate the switch within a predetermined furnace pressure range whereby the said air-propelling means is operatively actuated only within said range, natural draft regulator means operatively associated with the furnace and including a weighted lever balanced to be actuated only within a range of furnace pressures above the range for said air-propelling means, and a weighted draft door lever operably connected to the draft door and normally urging the door into an open position, said natural draft regulator lever being independently connected to the said check door and the draft door lever and being adapted, upon an operative movement thereof, to exert an opening effort on the check door and an effort on the draft door lever to permit closing of the draft door.

2,149,707

BARREL-CHANGING DEVICE FOR AUTOMATIC FIREARMS

Emil Murbach, Budapest, Hungary, assignor of one-half to "Danuvia" Ipari és Kereskedelmi R. T., Budapest, Hungary, a firm

Application November 30, 1936, Serial No. 113,349
In Germany December 2, 1935
4 Claims. (Cl. 42—75)



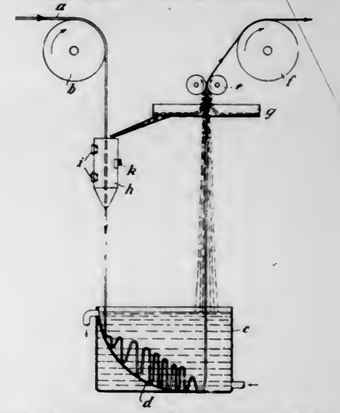
1. In a firearm of the character described, the combination with a stock and extension therefor of a removable barrel, supported in the stock and extension and a flash-concealing shield rigidly secured to the outer end of the extension and having a bore tapering inwardly from opposite ends to form a throat adjacent the rear end of the shield for supporting the muzzle end of the barrel, while the double taper permits the same to be tilted and withdrawn from the shield, the barrel being of such length that, when its rear end is locked to the stock, its muzzle end is spaced well back from the front end of the shield to permit hot products of combustion discharged from the muzzle to expand and be retained temporarily in the enlarged bore of the outer end of the shield.

2,149,708

TREATMENT OF BUNDLES OF ARTIFICIAL FIBERS

Hans von Recklinghausen, Dessau in Anhalt, and Paul Saffert, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application February 11, 1937, Serial No. 125,230
In Germany February 13, 1936
1 Claim. (Cl. 8—151)



A process of continuously washing, after-treating and dyeing bundles of artificial threads in

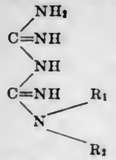
suitable treating liquids under conditions free from tension which comprises guiding the bundle on a substantial distance through the air so that it falls vertically on the treating liquid, loading the bundle with treating liquid while it is falling through the air, allowing a considerable piece of bundle to accumulate in the treating bath and withdrawing the bundle from the treating liquid, removing from the bundle the treating liquid carried with it and using said part of the treating liquid to load the bundle while it is falling through the air before entering the treating liquid.

2,149,709
TEXTILE ASSISTANTS

Herbert Rein, Leipzig, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application May 6, 1936, Serial No. 78,195. In Germany May 8, 1935
7 Claims. (Cl. 28—1)

3. A textile material impregnated with a compound corresponding with the general formula

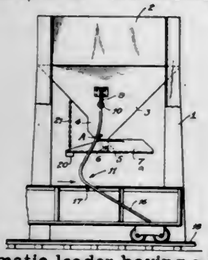


wherein R_1 is a member of the group consisting of hydrogen, aliphatic, araliphatic, aromatic, hydroaromatic radicals; and R_2 is a member of the group consisting of aliphatic, araliphatic and hydroaromatic radicals containing more than 6 carbon atoms.

2,149,710
AUTOMATIC LOADER

Richard G. Smith, Amsterdam, N. Y.

Application March 15, 1937, Serial No. 131,085
2 Claims. (Cl. 214—42)



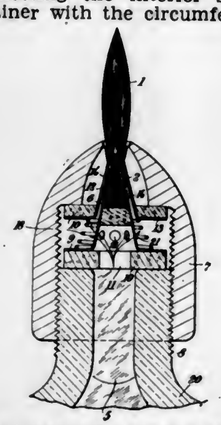
1. An automatic loader having a hopper having an outlet opening at the bottom, a channel shaped trough pivoted to the hopper adjacent to and below the opening, a counterweight carried by the trough to the rear of the opening to normally hold the chute elevated so that material flowing from the hopper into the chute will be retained in the chute, and a lever pivoted to the hopper above the chute pivot and co-operable with a laterally extending element carried by the chute for swinging the chute to discharging position.

2,149,711
FOUNTAIN BRUSH

Friedrich J. J. Stock, Berlin-Tempelhof, Germany

Application July 24, 1936, Serial No. 92,334
In Germany March 23, 1936
5 Claims. (Cl. 15—133)

1. In a fountain brush for liquids of low boiling point, a liquid container, a brush and a brush holder, including two telescopically arranged conical sleeves, the outer of said sleeves having a larger tapering angle than the inner sleeve to provide an annular channel formed between said sleeves connecting the interior space of said liquid container with the circumference of said

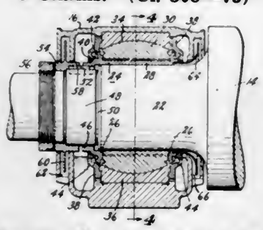


brush, resilient means for spacing said outer from said inner sleeve and an apertured screw cap adapted to be screwed on to said brush holder for approaching said outer sleeve towards said inner sleeve against the action of said resilient means.

2,149,712
BEARING

August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden, a corporation of Sweden

Application March 27, 1936, Serial No. 71,083
In Sweden April 2, 1935
5 Claims. (Cl. 308—73)



1. In a bearing for a rotatable shaft, a housing, a bearing ring secured within said housing and having a bearing surface, a plurality of load transmitting elements having bearing surfaces cooperating with the bearing surface on said ring, a cage for retaining said elements in place and for carrying said elements in rotation therewith, projections formed on said elements for contacting said shaft, said cage being movable axially with respect to said shaft, and means for causing said cage to rotate with said shaft.

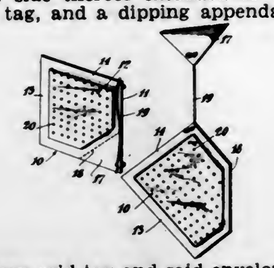
2,149,713
TEA BAG

George R. Webber, Grantwood, N. J., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

Application July 21, 1936, Serial No. 91,714
19 Claims. (Cl. 99—77.1)

19. A tea bag and the like comprising, an envelope composed of packaging material and

having a side thereof extended to form a detachable tag, and a dipping appendage extend-

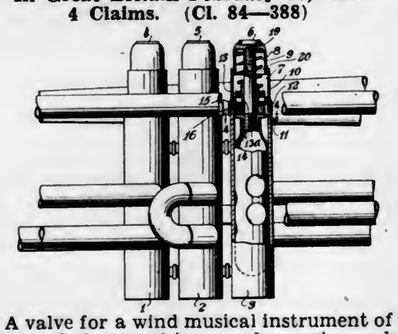


ing between said tag and said envelope structure to permit said envelope structure to be suspended from said tag when detached.

2,149,714
VALVE FOR BRASS WIND INSTRUMENTS

Charles Norman Macleod Wornell, Hampton, England, assignor of one-half to Thomas James Wornell, Hampton, England

Application December 24, 1937, Serial No. 181,642
In Great Britain February 16, 1937
4 Claims. (Cl. 84—388)



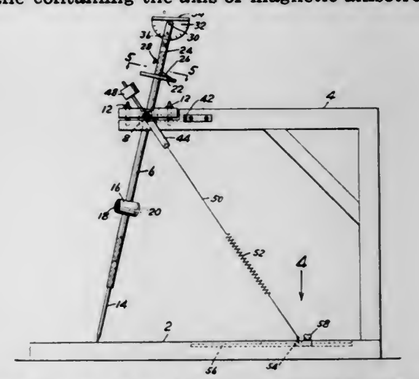
1. A valve for a wind musical instrument of the kind specified comprising a valve casing, a head therefor, a valve having a stem extending through said casing head, and the extremity of said stem being provided with a finger piece secured to the extremity of said valve stem, a skirt member dependent from said finger piece extending into a socket member formed in one piece with said casing head, said skirt member and socket member together forming a housing for a valve spring, and means for adjusting the tension of said spring.

2,149,715
CORE ORIENTATION APPARATUS

John M. Pearson, Swarthmore, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application June 7, 1937, Serial No. 146,739
3 Claims. (Cl. 33—1)

1. Apparatus for the determination of the dip and strike of a bedding plane indicated in a magnetically anisotropic core taken from a bore hole, said apparatus comprising means defining a horizontal plane at the position where the core was taken, means defining the azimuth and dip at said position of the earth's magnetic vector relative to said plane, means universally pivoted relative to said plane-defining means for defining relatively to the horizontal plane and magnetic vector the axis of the portion of the bore hole from which the core was taken, means defining relative to said universally pivoted means the axial plane containing the axis of magnetic anisotropy of the core, and means defining the bedding plane of the core relative to the axis of the bore hole and the last named plane, said various means being relatively adjustable for the representation of the data belonging to different cores and to represent the earth's magnetic vector in said axial plane containing the axis of magnetic anisotropy

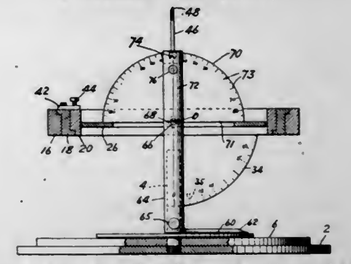


of each core, whereby the relationship of said means defining the bedding plane and said means defining a horizontal plane and the earth's magnetic vector may be made to represent a relationship of the bedding plane to the earth.

2,149,716
ORIENTATION APPARATUS

Clay H. Beattie, Jr., Covina, Calif., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application June 7, 1937, Serial No. 146,742
6 Claims. (Cl. 33—1)



1. Apparatus for the determination of the dip and strike of a bedding plane indicated in a magnetically anisotropic core taken from a bore hole, said apparatus comprising means providing an axis vectorially representing a horizontal plane at the position where the core was taken, a member mounted to rotate about said axis, and a plurality of gimbals mounted on said member, one of the gimbals being mounted on an axis perpendicular to, and intersecting, the first named axis, and another gimbal being mounted on the first gimbal on an axis which intersects the point of intersection of the first two axes, said first and second mentioned gimbals defining, respectively, the axis of a bore hole and the bedding plane indicated in a core therefrom.

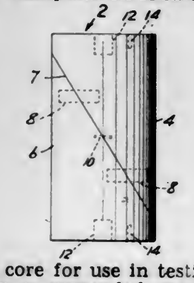
2,149,717
METHOD AND APPARATUS FOR CALIBRATING MAGNETOMETERS

John M. Pearson, Swarthmore, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application March 15, 1938, Serial No. 195,987
4 Claims. (Cl. 175—183)

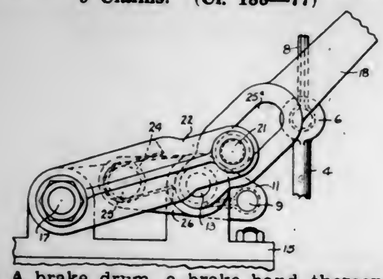
1. The method of testing a magnetometer having a suspended magnetic system adjacent which

a rock core is adapted to be rotated comprising locating in definite position relative to said system a coil, passing through said coil a measured current to produce thereby a determinate field affecting said suspended system, determining the effect on the system of such field, and then rotating adjacent said system, in the position to be occupied by a rock core, a dummy core of fixed magnetic characteristics to thereby ascertain the normal results on the magnetic system to be expected by such manipulation of said dummy core.



2. A dummy core for use in testing a magnetometer having a suspended magnetic system adjacent which a rock core is adapted to be rotated comprising a magnetic body and a cylindrical carrier therefor arranged to be rotated in the location of rotation of a rock core, said magnetic body having its magnetic axis transverse to the axis of said cylinder.

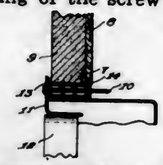
2,149,718
BRAKE CONTROLLING LEVER MECHANISM
Carl M. Anderson, Corsicana, Tex., assignor to American Well & Prospecting Company, a corporation
Application March 25, 1938, Serial No. 198,019
9 Claims. (Cl. 188—77)



1. A brake drum, a brake band thereon, one end of which is fixed, a brake shaft, a brake arm fixed thereon at one end and secured to the free end of said brake band at the other end, an operating lever fixed on said shaft, a stub shaft, a cam lever pivoted thereon, a cam slot in said cam lever, a roller on said operating lever movable in said slot, a hand lever pivoted to said brake shaft, a slidable connection between said hand lever and one end of said cam lever, whereby the movement of said hand lever will actuate said cam lever and said operating lever to rotate said brake shaft, in the manner described.

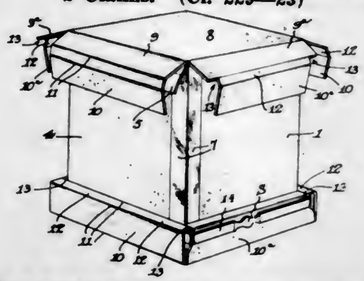
2,149,719
ELECTRIC OUTLET BOX
Harry L. Arnest, Arlington, Va.
Application April 13, 1937, Serial No. 136,677
4 Claims. (Cl. 220—3.4)

1. In an electric outlet box, a holding screw, a plaster excluding hood rigidly affixed to the outlet box, and a detent in said hood engaging the screw in such manner as to permit the direct endwise thrusting of the screw past said detent



while resisting reverse endwise movement of the screw, said detent engaging the threads of the screw in such manner that turning of the screw will impart a final tightening thereto.

2,149,720
SEALED SHIPPING CASE
Walter A. Becker, Charlotte, N. C., assignor to Old Dominion Box Company, Charlotte, N. C.
Application July 29, 1938, Serial No. 222,037
2 Claims. (Cl. 229—23)

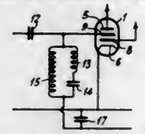


1. In a shipping case of the type described, the combination of a blank folded to form the sides of the case, means foldably connecting adjacent free edges of the sides of the case, flaps at the top and bottom of each of the sides, each of said flaps having a pair of spaced parallel creases on the portion of the flaps adjacent the sides, like top and bottom blanks forming the top and bottom of the case, each of said blanks having flaps of slightly less length than the length of the corresponding sides of the top and bottom of the case, each of said flaps having a pair of spaced parallel creases positioned approximately at their median portion to form outer and inner flap elements, the flaps on the bottom and top blanks foldably engaging over the flaps of the sides of the case to interlock with same when the case is assembled, the pair of opposite end flaps of the top and bottom flaps being of slightly shorter length than the flaps of which they are an extension, metal straps binding the bottom and top of the case in a tightly assembled position on the case, said straps being inserted within flap members on opposite sides of the case and exteriorly to the pair of opposite flap members of the remaining sides of the case, substantially as shown.

2,149,721
THERMIONIC OSCILLATION GENERATOR
David Arthur Bell, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application August 14, 1936, Serial No. 96,036
In Great Britain September 7, 1935
4 Claims. (Cl. 250—36)

1. In a synchronizing system, an electron discharge device oscillation generator having a cathode, first and second grids and an anode, in

the order named, circuits interconnecting said anode, cathode and first grid in such manner as to cause said device to produce oscillations, a source of synchronizing energy of substantially constant frequency coupled to said second grid, an output circuit coupled to said anode and tuned to a different frequency having a predetermined relationship to said synchronizing frequency, and



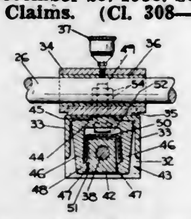
a circuit including a series arrangement of capacitance and inductance between said second grid and cathode, said last circuit being so arranged and constructed as to form a path of low impedance to energy of the frequency in said output circuit and high impedance to energy of the frequency of said synchronizing source, said series arrangement being tuned to the frequency in said output circuit.

2,149,722
SUPPORTING MEANS FOR FUNNELS AND THE LIKE
Carlton D. Blanchard, Norwich, Conn.
Application October 18, 1937, Serial No. 169,663
3 Claims. (Cl. 248—94)



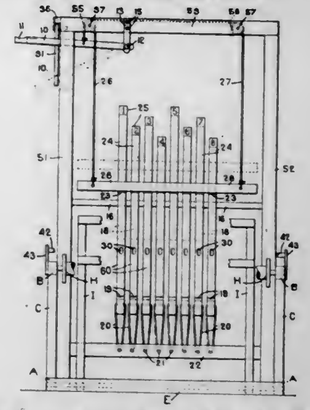
1. A supporting and coupling device for the purposes described comprising, an elongated annular body terminating at its ends in loop members, side portions intermediate corresponding arms of said loop members, said side portions being acutely angular to the planes of said loop members and adapted to dispose said loop members in offset planes, and the junctures of said loop member arms and said side portions providing hook-like elbows.

2,149,723
TAKE-UP MECHANISM
Robert E. Briggs, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 29, 1936, Serial No. 118,068
9 Claims. (Cl. 308—59)



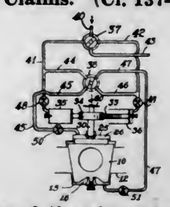
1. A take-up mechanism comprising spaced end members, supporting means connecting said members together, a bearing box slidable along said supporting means, a threaded shaft supported by said end members and freely rotatable with respect thereto, a nut threaded on said shaft, a connecting member connected to said box and having side plates on opposite sides of said nut and end plates on opposite ends of said nut whereby said nut is held against rotation and insures movement of said member with said nut when said shaft is turned, and an inverted channel protector for said shaft extending longitudinally between said end members and passing between the side plates of said connecting member and said nut.

2,149,724
LOOM
John C. Brooks, Paterson, N. J.
Application January 5, 1938, Serial No. 183,438
5 Claims. (Cl. 139—33)



1. In a loom, a plurality of groups of heddles, a heddle-lifting member for each group of heddles, a guiding rod for each group of heddles with which said heddles have a sliding pivotal engagement, manually operated means to actuate the lifting members, each heddle being constructed to be individually connected to or disconnected from its lifting member, and a spring acting on each heddle and tending both ot hold it in lowered position and to yieldingly maintain it operatively connected to its lifting member.

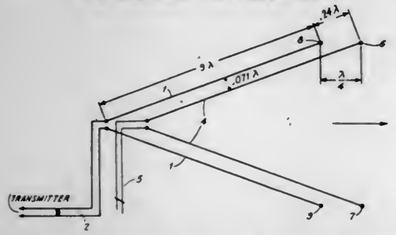
2,149,725
APPARATUS FOR CONTROLLING THE OPERATION OF CONE VALVES
Svend A. Canariis, Pittsburgh, Pa.
Application March 12, 1937, Serial No. 130,525
12 Claims. (Cl. 137—139)



1. Apparatus of the character described comprising in combination, a clear flow cone valve plug having a piston on each end thereof, cylinders in which said pistons operate, fluid actuated means for rotating said valve plug, a four-way valve hydraulically interconnected with said rotating means, a second four-way valve hydraulically interconnected with said cylinders and with

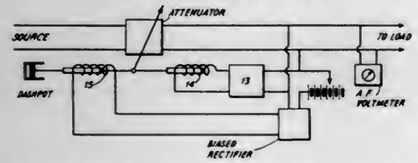
said first mentioned four-way valve, means for operating said first mentioned four-way valve to deliver fluid pressure simultaneously to said cone valve plug rotating means and through said second mentioned four-way valve to one of said cylinders and for connecting the other of said cylinders to drain, and means operated by said cone valve plug on rotation thereof for reversing said second mentioned four-way valve to connect the first energized cylinder to drain and the other cylinder to the source of fluid pressure without disturbing the delivery of fluid pressure to said rotating means.

2,149,726
ANTENNA SYSTEM
Philip S. Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1935, Serial No. 15,958
Renewed April 23, 1938
20 Claims. (Cl. 250—11)



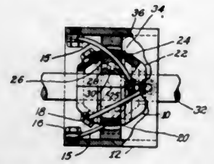
1. A unidirectional antenna system comprising two staggered wires in the same vertical plane and located one above the other, each of said wires having a length at least as long as the length of the communication wave, high frequency apparatus connected only to that one of the wires whose far end is behind the corresponding end of the other wire in the direction of communication, said other wire being left floating.

2,149,727
VOLUME CONTROL SYSTEM
James W. Conklin, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 1, 1935, Serial No. 8,805
2 Claims. (Cl. 178—44)



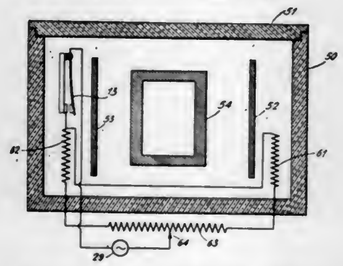
1. A translating system for the transmission of intelligence signals comprising an input and output circuit, a source of intelligence signals connected to said input, a volume control device connected to said input, automatic means for actuating said control device whereby energy is supplied to said output at an amplitude determined by the amplitude of said signals, said means comprising a pair of solenoids adjacent each other, armatures for said solenoids connected in opposing relationship to a common control shaft of said volume control, means to energize one of said solenoids comprising a rectifier connected to said output and having an output directly proportional in amplitude to the amplitude of the signal and means to energize the other of said solenoids comprising a second rectifier also connected to said output and having a maximum output in the absence of signals.

2,149,728
UNIVERSAL BEARING SUPPORT
Clifford B. Cronan, Newtonville, Mass.
Application June 27, 1933, Serial No. 677,840
Renewed July 27, 1938
11 Claims. (Cl. 308—26)



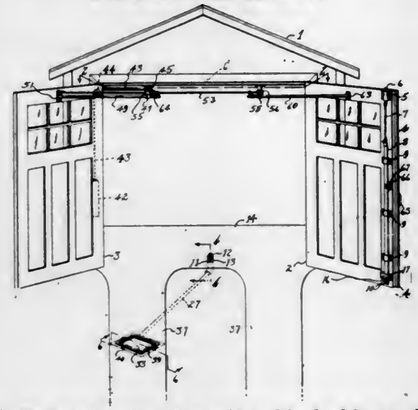
1. A universal bearing support comprising an inner member, an outer member, and two pairs of diametrically opposed and elongated spring elements each having the two ends thereof connected to said two members respectively and in relatively spaced planes extending transversely through the members whereby to support the inner member for resilient universal movement about a normal centrally disposed position on and within the outer member, said inner member being supported solely by said elements.

2,149,729
AUTOMATIC TEMPERATURE CONTROL
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 13, 1934, Serial No. 757,326
4 Claims. (Cl. 219—20)



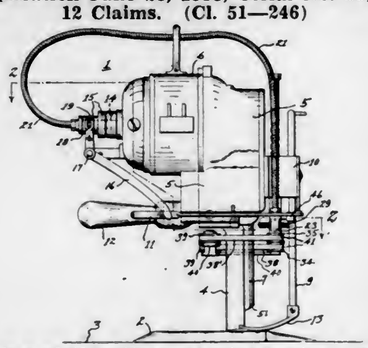
1. An automatic temperature control device comprising a casing, an oven within said casing, means for maintaining constant temperature within said oven, said means comprising two separate heating elements, each one of which is located at a different position inside of said casing, a thermostat having electrical contacts located within said casing and adjacent one of said heating elements, two separate heat baffles each being located intermediate one of said heating elements and a side of said oven, and a potentiometer having each end connected to an end of each separate heating element, the remaining ends of each one of the two separate heating elements being connected together and also being connected through the contacts on said thermostat to one side of an electrical supply source, the movable contact of said potentiometer being connected to the other side of said supply source for controlling the heat within said oven from said electrical supply source.

2,149,730
DOOR LATCHING MECHANISM
Martin Greenbaum, Newark, N. J.
Application June 11, 1935, Serial No. 25,998
3 Claims. (Cl. 292—94)



1. In mechanism for releasably locking a laterally swinging garage door structure, said door structure having means to automatically move the same to open condition when released, comprising, a spring projected bottom bolt mounted in the floor of the door opening, a spring projected top bolt carried by the door structure, a bottom bolt receiving socket means fixed on the door structure, a vertically yieldable latch plate mounted in said socket means for cooperation with said bottom bolt, said bottom bolt and latch plate having cooperative beveled portions permitting the latter to yield to the former when the door structure is moved to closed position, a connecting rod means having connection with said top bolt, means for coupling said bottom bolt with said connecting rod means when the door structure is closed and locked so that retractive movement of said bottom bolt is transmitted to and causes retractive movement of said top bolt, and a depressible means for retracting said bottom bolt to door release position located in the approach to the door opening and in outwardly spaced relation to said opening.

2,149,731
SHARPENER FOR CLOTH CUTTING MACHINES
Martin Greenbaum, Newark, N. J., assignor to Martin Industrial Development Co., Inc., Newark, N. J., a corporation of New Jersey
Application June 28, 1935, Serial No. 28,799
12 Claims. (Cl. 51—246)

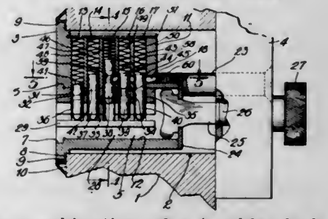


2. In a cloth cutting machine having a driving motor, a vertically reciprocable knife driven from said motor, and means for sharpening said knife, said means comprising staggered belts arranged to be driven from said motor and engaging opposite sides of the cutting edge portion of said knife, means for vertically reciprocating said belts, said belts having abrasive material adhered thereto for effecting the rapid sharpening of said knife in use and having their upper and lower edges beveled.

2,149,732
COMPOSITE MOLDED ARTICLE AND PROCESS FOR MAKING THE SAME
Frazier Groff, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application July 15, 1931, Serial No. 551,062
11 Claims. (Cl. 154—2)

9. That process of making a laminated material which comprises the steps of preparing metal foil with minute perforations therethrough, applying thereto a sheet of material which is plastic upon being heated, and pressing the foil and material together while applying heat sufficient to render such material plastic.

2,149,733
PIN TUMBLER LOCK
Joseph E. Hagendorn and Jean Vervueren, Hewlett, N. Y.
Application February 8, 1938, Serial No. 189,312
10 Claims. (Cl. 70—364)

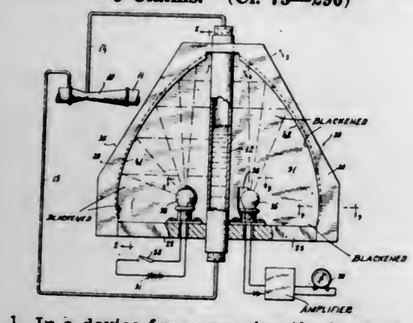


1. The combination of a tumbler lock including a casting having tumbler chambers, a barrel rotatably mounted in said casting and having tumbler chambers alineable with the tumbler chambers in said casting, a keyway, and a lip cooperating with said keyway normally to support the alined tumblers when the lock is closed, springs in said chambers for urging the alined tumblers toward said lip, the lengths of the tumblers selected corresponding to the pattern of the key to be used, there being a communication formed between two adjacent tumbler chambers in said casting, there being recesses formed in the sides of the tumblers mounted in said adjacent tumbler chambers, and a locking ball corresponding in size to fit in the recess in one of said tumblers and said communication but too large to fit in said communication without protruding therefrom whereby a tumbler in one or the other tumbler chamber may be locked against movement and only one released at a time.

2,149,734
LAUNDRY STARCH AND METHOD OF USING THE SAME
Ralph E. Hall, Mount Lebanon, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 17, 1937, Serial No. 148,725
6 Claims. (Cl. 134—19)

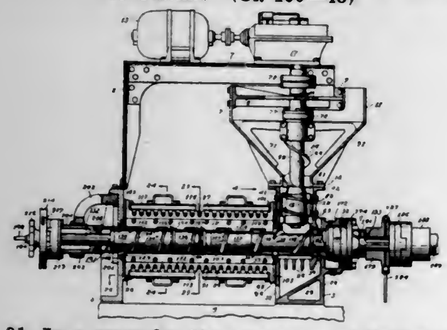
1. Laundry starch containing an alkali-metal tripolyphosphate.

2,149,735
PHOTOSENSITIVE MEASURING INSTRUMENT
Angus D. Henderson, Flushing, N. Y., assignor to Alan W. Ross, Upper Montclair, N. J.
Application July 8, 1935, Serial No. 30,312
6 Claims. (Cl. 73—290)



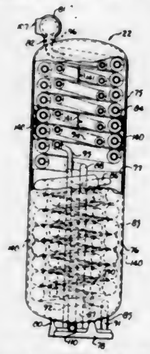
1. In a device for measuring the level of a substantially opaque liquid in a transparent tube, the combination with such tube, a casing through which said tube passes, a parabolic reflector adjacent a wall of said casing, a source of light of small area mounted adjacent the tube between the reflector and tube and at substantially the focus of the reflector parabola, said reflector having a width which increases with increasing distance of the reflecting surface from the source of light and serving to direct the light against said tube in the form of a band of uniform intensity along its length, a shield between the source and tube and light responsive means positioned in said casing to measure the quantity of light passing through the tube in the path of light from said source and tube.

2,149,736
APPARATUS AND METHOD FOR EXPRESSING FLUID
Stanley Hiller, Berkeley, and Howard A. Nibecker, San Mateo, Calif., assignors to Stanley Hiller, Ltd., San Francisco, Calif., a corporation of California
Application October 21, 1933, Serial No. 694,568
45 Claims. (Cl. 100—48)



31. In a press for the expressing of fluid from material and having a feed end and a discharge end, rotary screw means therein including a plurality of spaced screw flights between said feed end and said discharge end, the spaces between said screw flights and the character of said screw flights being arranged to compensate for reduction in volume of the material as it travels from the feed end to the discharge end to thereby effect maintenance of pressure throughout the length of said rotary screw means, means between screw flights to prevent turning of the material, dam means rotatable with said rotary screw means, means for conducting a cooling fluid entirely through said rotary screw means to prevent excessive heating and reduction in viscosity of the material along the entire region in which pressure is applied, a positively driven fluid expulsion press for feeding material to said rotary screw means, a screen structure about said feed press to allow escape of fluid from the feed press to thereby increase the capacity of said rotary screw means, and means for varying the speed of said feed press to compensate for change of pressure conditions at said rotary screw means.

2,149,737
HEAT EXCHANGER
Bernard W. Jewell, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 14, 1938, Serial No. 207,955
6 Claims. (Cl. 257—229)

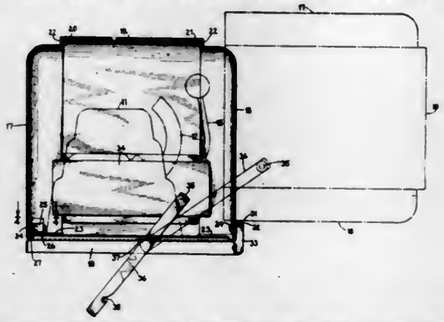


3. A heat exchanger of the shell and tube type comprising a shell having two sections of tube coils arranged therein, one of said sections occupying substantially half of said shell at one end thereof and comprising a first coil of large size adjacent the inner surface of the shell and a second coil of smaller size nested in said first coil, and the other of said sections being located in the other half of the shell and comprising a third coil of large size adjacent the inner surface of the shell and a fourth coil of smaller size nested in said third coil, a tube sheet affixed to one end of said shell adjacent the first-mentioned section of coils and having the inlets to each of said coils affixed thereto, an outlet header affixed to the other end of said shell adjacent the second-mentioned section of coils and having the outlet of at least one of the coils of the second section affixed thereto and communicating therewith, and an inlet header removably attached to said tube sheet, said inlet header being divided into a plurality of spaces, one of said spaces comprising an inlet space communicating with the inlets to each of said coils, and at least one other space communicating with the outlets of said first and second coils.

2,149,738
IRONING MACHINE
Gustav B. Keil, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application April 2, 1936, Serial No. 72,249
1 Claim. (Cl. 45—68)

In combination, a frame, a cover, means for

supporting said cover on said frame, said means providing a fixed pivot hinge comprising a fixed pivot on one of said members, a readily disengageable open hook on the other of said members for detachable and pivotal connection with said pivot, said frame having a slot, and a link pivotally attached to said cover arranged to cooperate with said frame at said slot to limit the pivot-



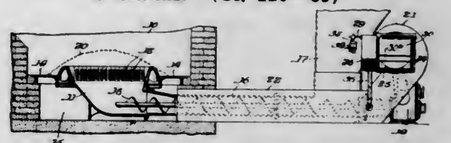
al movement of said cover to substantially 90°, said link being detachable from said frame to permit complete detachment of the cover when raised bodily to disengage said open hook, the open hook being arranged vertically so that said link will prevent bodily horizontal movement of the cover when the cover is at the limit of its opening movement.

2,149,739
TABLET AND SUPPOSITORY PRESS
Jonas Langerman, New York, N. Y., assignor of one-half to Sol Gaswirth, Brooklyn, N. Y.
Application June 23, 1938, Serial No. 215,432
4 Claims. (Cl. 107—18)



1. A tablet, lozenge and suppository press comprising a compression block having a mold therein, a plunger having a pounding member at the end thereof, a tube slidably engaging said plunger above the pounding member, a springably returnable depressing member for the plunger being adjustably secured to the said plunger and being in slidable engagement with the upper end of said tube, a barrel member adjustably secured to the tubular member and forming a receptacle at the bottom thereof with a pounding member, the top of the barrel member serving as a stop for the depressing member, the lower end of the barrel member being adapted to engage the mold of the compression block whereby on forcing the plunger downwardly, compression of the tablet, lozenge and suppository material takes place within the barrel below the lower surface of the pounding member.

2,149,740
DRAFT REGULATOR FOR FURNACES
Thomas A. Marsh, Chicago, Ill., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application July 23, 1934, Serial No. 736,471
6 Claims. (Cl. 110—69)



1. In fuel burning apparatus having a fuel support and an air chamber for supplying air thereto, the combination of a blower operable to feed air into said chamber, a damper for controlling volumetrically the admission of air to the blower, said damper tending normally to assume a closed position, a movable regulating device disposed outside the air chamber and operatively connected with the damper, and means for rendering air pressure from said chamber effective on said movable regulating device to move said damper to open positions.

2,149,741
STRUCTURAL ASSEMBLY AND UNIT AND METHOD OF MAKING
William Stanley Miles, Hastings on Hudson, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application August 16, 1935, Serial No. 36,478
1 Claim. (Cl. 20—5)

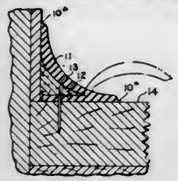


An assembly adapted for use as siding, roofing and the like comprising a supporting substructure, a plurality of horizontally extending courses of sheet material secured upon the substructure, said courses overlapping at their horizontal edge portions and each containing a plurality of individual units displaced longitudinally with respect to each other and meeting in flush relationship at their vertical edges to form a joint therebetween, and resiliently yieldable joint closing means of the type of a strip of water-impermeable felt disposed behind the said joint and secured in position, whereby the said plurality of units in a given course form a weather-tight strip.

2,149,742
TRIM
Walter E. Miller, Columbus, Ohio
Application August 10, 1937, Serial No. 158,358
3 Claims. (Cl. 20—74)

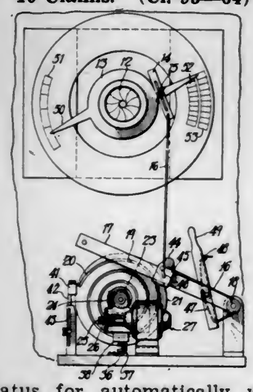
1. Trim for corners formed by intersection of surfaces, said trim comprising an integral strip of flexible elastic material formed substantially to the profile required in use and having integral flanges extending in spaced relation to each other, including an inner flange for lying along a surface adjacent said corner and adapted to be

secured to said surface and an outer flange which extends beyond and conceals said inner flange by extending to and contacting with a surface ad-



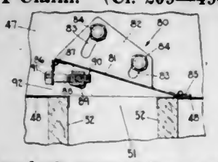
jacent said corner, said material flexing without buckling of the exposed flange because of the space between said flanges.

2,149,743
CAMERA EXPOSURE CONTROL APPARATUS
Richard P. Newick, Rutherford, N. J.
Application December 31, 1937, Serial No. 182,774
10 Claims. (Cl. 95—64)



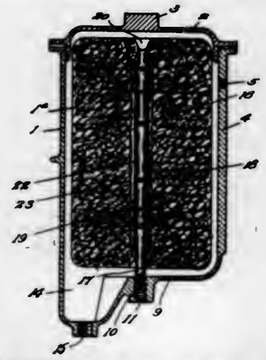
8. Apparatus for automatically varying the opening of a camera diaphragm, comprising a cam of varying contour, movable means engaging said cam and connected to operate the diaphragm, an electric motor, a clutch for interconnecting said motor and cam, a manually movable member for causing said clutch to become engaged or disengaged, and switch means in the circuit of said motor and operatively connected to said manually movable member to start the motor upon engagement of said clutch.

2,149,744
AIR LAUNDER
Richard D. Nichols, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 15, 1936, Serial No. 96,239
1 Claim. (Cl. 209—494)



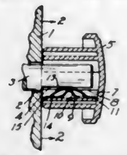
A separator deck comprising a perforate plate, an upright discharge chute leading from said plate, a cover for said chute constructed and arranged to cover the vertical projection thereof, said cover including a pivoted top plate and a baffle plate pivoted to said top plate and positioned above said perforate plate.

2,149,745
FILTER
Stanley Douglas Osborn and Otto Dahl, Spokane, Wash.
Application February 10, 1938, Serial No. 189,842
1 Claim. (Cl. 210—131)



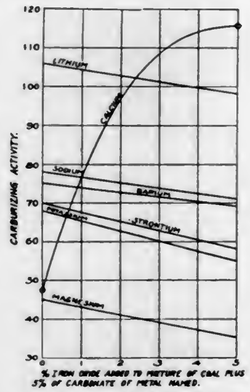
A filter comprising a casing having a side opening adjacent its upper end constituting an inlet and an outlet through its bottom, the bottom of the casing being formed with a well having a drain opening at its bottom, a removable closure for the drain opening, an outlet tube extending vertically in said casing and having its lower end screwed into the outlet opening of the casing and its upper end pinched together to close the upper end of the tube and provide a portion adapted to be grasped when screwing the tube into place, said tube being formed with opposed perforations constituting inlets, sleeves of screening about said tube, pins passed through certain of the opposed openings of said tube with their end portions protruding from opposite sides of the tube and through said sleeves, a mass of waste about the tube and sleeves with end portions of said pins embedded therein to maintain the waste in its proper position, and a binding about the mass of waste.

2,149,746
SPRING ATTACHING MEANS
Julius T. Pfeiffer, Erie, Pa., assignor to Erie Resistor Corporation, Erie, Pa., a corporation of Pennsylvania
Application April 14, 1937, Serial No. 136,901
5 Claims. (Cl. 287—53)



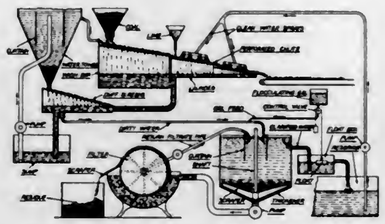
2. In an article to be mounted on a shaft having a spring engaging surface, said article having a central bore for receiving said shaft and an aperture adjacent said bore, a spring attaching means for disposal in said aperture adjacent the central bore of said article comprising a plate, having a portion thereof cut out and struck out of the plane thereof to form a tongue extending upwardly and outwardly from said plate to contact the spring engaging surface on said shaft to secure said article on said shaft, said plate being deformed to shorten said plate whereby the free end of said tongue contacts and slides upon the surface of said plate when said tongue is forced thereagainst.

2,149,747
CARBURIZER
Hugh Rodman, Verona, Pa., assignor to Rodman Chemical Company, Verona, Pa., a corporation of Pennsylvania
Application May 1, 1936, Serial No. 77,329
6 Claims. (Cl. 148—30)



1. A carburizing compound comprising carbonaceous material, lime as the principal effective added energizer, and an activity-promoting material selected from the group consisting of finely divided metal having an atomic weight between 50 and 60 and finely divided reducible compound of such metal, said activity-promoting material being present in an amount sufficient to render the compound of commercially acceptable carburizing activity.

2,149,748
TREATMENT OF DISPERSIONS
John Oswald Samuel, Pontlliw in Swansea, Wales, assignor, by mesne assignments, to Unifloc Reagents Limited, Swansea, Wales, a British company
Application March 5, 1935, Serial No. 9,392
In Great Britain March 16, 1934
16 Claims. (Cl. 210—2)



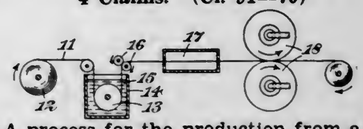
1. The method of separating dispersed material from dispersions comprising adding to the dispersion a flocculating gel which is of gummy consistency, is clear and free from membranes of the amylaceous cells, and is capable of dispersion in water to give particles having a strong electric charge, and which is the reaction product of an amylaceous material and a metallic salt capable of forming an aqueous solution which is not strongly acid, is not strongly alkaline, has a viscosity at least 3.3 times that of water, a boiling point of at least 130° C. and a positive molecular heat of dilution not greater than 3,500 calories per gram molecule.

2,149,749
PROJECTILE
Edward S. Savage, Rochester, N. Y.
Application October 1, 1936, Serial No. 103,492
8 Claims. (Cl. 273—106)



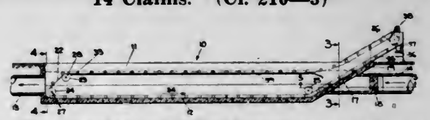
1. A projectile for use in an air gun of the type in which one projectile is positioned within the bore of the gun near the muzzle thereof and in which a second projectile is moved through the bore toward the muzzle to act as a piston to compress air to cause discharge of the first projectile from the muzzle, said projectile comprising an elastic compressible body of porous cellular material having open pores on that surface of the body contacting with the walls of the bore of the gun and having a substantially non-porous flexible wall disposed transversely of said bore.

2,149,750
PROCESS FOR THE PRODUCTION OF WATERPROOF FABRICS PERMEABLE TO AIR
Fernand Frederic Schwartz, Paris, France, assignor, by direct and mesne assignments, to American Ecla Corporation, Dover, Del., a corporation of Delaware
Application November 6, 1936, Serial No. 109,604
In France November 15, 1935
4 Claims. (Cl. 91—70)



1. A process for the production from a woven or knitted textile material which is permeable both to air and water of a textile product which is impermeable to water but which remains permeable to air, which process comprises first applying rubber latex containing vulcanizing reagents to the said textile material in amount small enough to permit the passage of water through the interstices of the treated textile material, then drying the latex-treated textile material, and thereafter applying mechanical pressure and heat to the faces of the treated textile material to permanently deform and vulcanize the latex rubber deposited thereon so as to reduce the size of the interstices between the threads of the fabric to a point at which the passage of water through said interstices is prevented but the passage of air still permitted.

2,149,751
METHOD AND APPARATUS FOR CLEANING SEWAGE
Samuel L. Tolman, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 2, 1936, Serial No. 72,358
14 Claims. (Cl. 210—3)



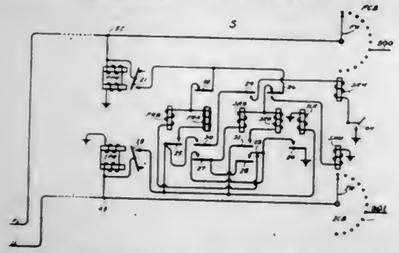
1. The method of cleaning sewage grit comprising introducing grit containing sewage into a chamber favoring settling of the grit, conveying the settled grit up an inclined surface and out of said chamber at the end of said chamber where the sewage is introduced, and permitting the liquid to separate from the grit and flow laterally

on said inclined surface and directly from said surface into the path of the influent sewage, while removing the effluent from said chamber at a remote point from said inclined surface.

2,149,752
PROCESS OF PRODUCING HIGH SATURATION OILS
Frederick Paul Vickery, Sacramento, Calif., assignor to California Spray-Chemical Corporation, Berkeley, Calif., a corporation of Delaware
No Drawing. Application January 4, 1934, Serial No. 705,239
9 Claims. (Cl. 196—13)

1. The process of producing oils of high saturation which comprises treating petroleum oils or their distillates with a mixture of acetone and a sufficient amount of ethylene glycol to reduce greatly the capacity of the acetone to dissolve saturates.

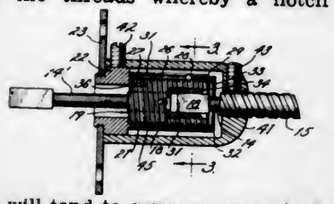
2,149,753
COMPOSITE SELECTOR CIRCUIT
Bert A. Wallace, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1936, Serial No. 91,471
5 Claims. (Cl. 177—353)



2. A selector system comprising a control station and a remote station, a pair of conductors and common return connecting said stations, a polarized relay associated with each conductor responsive to current of predetermined polarity, a selector switch at the remote station having a stepping magnet and release magnet associated therewith, a source of current at the control station, means at said control station for causing a steady flow of current of the predetermined polarity to one of said conductors and the common return to thereby continuously operate the corresponding polarized relay and to intermittently apply a current flow of the predetermined polarity from said source to the other conductor and the common return to thereby intermittently operate the other polarized relay and means at said remote station responsive to the continued operation of the one polarized relay and the intermittent operation of the other polarized relay for operating the release magnet after a predetermined number of operations of the intermittently operated polarized relay if the selector is not then in released position and for rendering the stepping magnet responsive to further operations of the intermittently operated polarized relay to thereby step the selector switch.

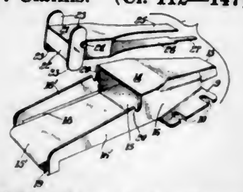
2,149,754
CONTROL APPARATUS
Thomas Whiteford, Chelsea, Mass.
Application October 8, 1937, Serial No. 168,013
17 Claims. (Cl. 74—10)

1. The combination of a radio receiving set including a tuning unit and a tuning control device therefor including a cylinder rotating with the movement of the tuning unit and having threads formed thereon of relatively soft metal, and a ball riding on and resiliently urged against the threads and restricted to movement longitudinally of the cylinder and resiliently urged against the threads whereby a notch in the



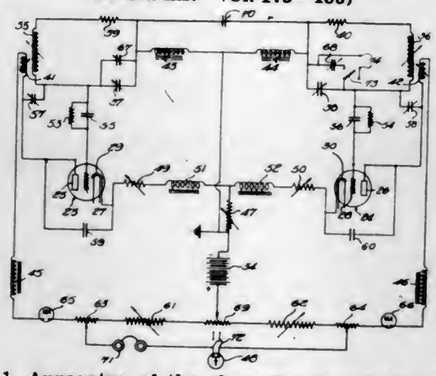
threads will tend to cause movement of the cylinder to stop, the ball being harder than the threads and being accessible to the application of manual pressure whereby a notch may be formed by such manual pressure after the set has once been tuned to a station and will thereafter aid in tuning the set to the same station.

2,149,755
STRIP FOLDER
Albert A. Ackerman, South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 10, 1937, Serial No. 136,071
17 Claims. (Cl. 112—147)



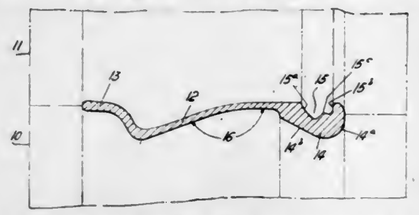
1. A strip-folder for sewing machines, comprising, a longitudinally-tapered tubular casing having opposite side walls provided interiorly of the casing with opposed lips, arbors disposed within said casing above and below said lips and extending longitudinally of the casing in spaced relation to said side walls, and supporting means for said arbors.

2,149,756
MEASURING APPARATUS
David L. Arenberg, Rochester, and Percy M. Roope, Worcester, Mass.
Application November 13, 1937, Serial No. 174,478
20 Claims. (Cl. 175—183)



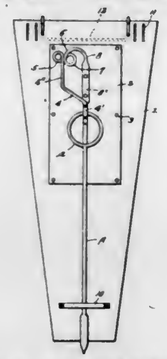
1. Apparatus of the character described comprising a Wheatstone bridge, circuits connected thereto for separately producing alternating currents of variable frequency and amplitude in separate branches respectively of said bridge, means for synchronizing the frequencies in said branches, and means indicating a change in balance of the bridge caused by variations in the electrical condition in one branch of said bridge.

2,149,757
STEEL SECTION
Winfield S. Brink, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 16, 1935, Serial No. 2,041
5 Claims. (Cl. 29—159.1)



1. A steel section for the manufacture of tire rims, said section consisting of a web, one margin of said web being formed with an upstanding tire retaining flange, the other margin of said web being formed with a downwardly extending rim mounting and side ring retaining channel, the lateral profile of which comprises a semi-circular marginal face that merges, on the under side of the channel, with a bevel mounting face extending toward the bottom face of the web, the top face of said channel being formed with a side ring retaining gutter that is relatively shallow with respect to the depth of said channel, said gutter having a vertical front wall that merges with a ledge intermediate the top and bottom of said gutter.

2,149,758
CHAINING PIN CARRIER FOR SURVEYORS
Chester S. Burns, Ellensburg, Wash.
Application November 9, 1937, Serial No. 173,731
1 Claim. (Cl. 224—5)

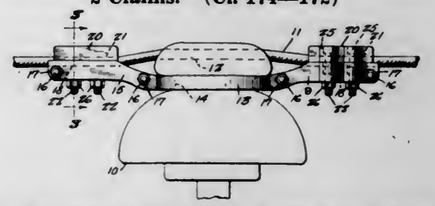


A pin carrier of the class described comprising an elongated flat base member of flexible material, a metal plate connected to the upper portion of the base member, a pin carrier formed from a bar and shaped to provide a base portion connected with the plate and vertically arranged, a second part sloping upwardly and forwardly from the base part, a third part sloping upwardly and towards one side edge of the plate from the second part, said third part paralleling the plate and a fourth part extending vertically upwardly from the third part and having its upper end rounded, and a latch member for holding pins on the carrier, said latch member including a base part vertically arranged and attached to the plate and a spring part of substantially inverted U-shape with one limb connected with the base part and its other end rounded and engaging the upper portion of the fourth part of the carrier, said U-shaped part extending outwardly and toward said fourth part of the carrier to contact the same, means for connecting the upper ends of the flexible base member to an article of clothing, and a metal strap of substantially U-shape connected with the outer face of the lower end of the flexible base member and receiving the lower ends of the pins carried by the device.

2,149,759
MANUFACTURE OF PHENOL-OLEFIN REACTION PRODUCTS USEFUL AS GASOLINE GUM INHIBITORS
Troy Lee Cantrell, Lansdowne, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 4, 1936, Serial No. 99,488
5 Claims. (Cl. 260—624)

1. The process of manufacturing concentrated phenol-olefin reaction products useful as gasoline gum inhibitors and insoluble in dilute alkali solution which comprises establishing a liquid mixture of a phenol and a small amount of sulfuric acid, introducing into close contact therewith a stream of gas comprising said olefin in a gaseous state under conditions effective to prevent excessive mechanical condensation of said olefin, removing the reaction products and washing them with dilute alkali solution to remove products of less value as gum inhibitors.

2,149,760
INSULATOR CLAMP
Gilbert J. Carlson, Bradford, Pa.
Application April 20, 1937, Serial No. 138,018
2 Claims. (Cl. 174—172)

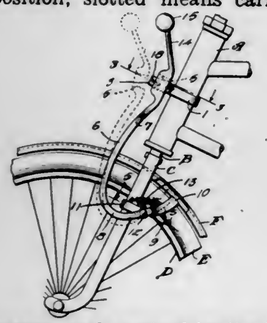


1. An insulator clamp including members adapted to embrace opposite sides of an insulator, stationary jaws on the ends of said members confronting each other, movable jaws each disposed to bridge a pair of the stationary jaws, bolts for clamping the movable jaws to the statitonary jaws, and springs sleeved upon the bolts and tending constantly to urge the movable jaws to open position.

2,149,761
BICYCLE LOCK
Ray E. Coats, Lewistown, Ill.
Application April 7, 1938, Serial No. 200,764
4 Claims. (Cl. 70—228)

1. A bicycle locking device comprising a keeper, means for fixing the keeper to the frame of the

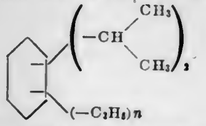
bicycle, a wheel engaging means, means for pivotally connecting the engaging means to the frame, means normally holding the engaging means out of wheel engaging position, handled means for moving the engaging means into operative position, slotted means carried by the



handled means, and received by the keeper with the latter in the slot thereof, said keeper having an opening therein, and means carried by the slotted means and received in the opening for holding the engaging means in operative position.

2,149,762
ETHYLATED-DI-ISOPROPYL BENZENE
Robert R. Dreisbach, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 18, 1936, Serial No. 91,428
5 Claims. (Cl. 260—671)

1. A compound having the general formula



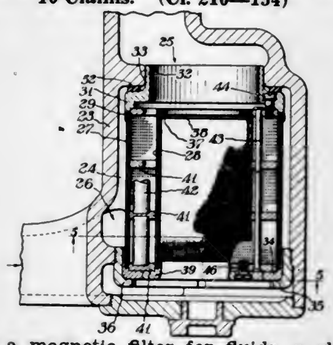
wherein n is an integer not exceeding 4.

2,149,763
UNIVERSAL JOINT
Nevin S. Focht, Reading, Pa.
Original application May 12, 1936, Serial No. 79,381. Divided and this application April 2, 1937, Serial No. 134,645
1 Claim. (Cl. 287—90)



A joint of the character described comprising a pin, means for securing said pin rigidly to a support, a spherical formation on said pin having a hole formed therethrough, said hole being of circular shape in cross section and being flared from its middle to its ends, a rod of substantially the same diameter as the middle portion of said hole extending through said hole, spherical washers on said rod at opposite ends of said spherical formation, a member from which said rod extends, a block between said member and the adjacent washer, and a nut on the free end of said rod holding the parts of the joint in snug assembly.

2,149,764
MAGNETIC FILTER
Jakob Rudolf Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 10, 1937, Serial No. 147,533
10 Claims. (Cl. 210—154)



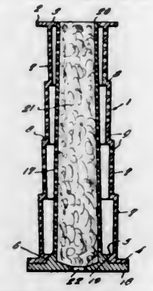
1. In a magnetic filter for fluids, a chamber having a fluid port, a cylindrical filter body having a fluid-tight fit in said port and having an axial fluid passage therethrough and a peripheral envelope of foraminous magnetic material, a plurality of magnets arranged longitudinally in the filter body with like poles adjacent, and a plurality of baffles of magnetic material with serrated edges interposed between like poles of said magnets.

2,149,765
PHOTOCHEMICAL PURIFICATION OF ACETIC ACID
Arthur W. Goos, Marquette, and James S. Owens, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 13, 1937, Serial No. 158,910
6 Claims. (Cl. 260—540)

1. The process which comprises subjecting acetic acid to the action of ultra-violet radiation for a period of time sufficient to convert discoloring agents therein which are volatile at the boiling point of acetic acid to a form which is nonvolatile at that temperature, and thereafter redistilling the acetic acid.

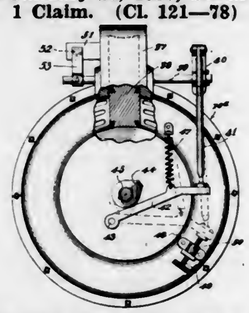
2,149,766
THREAD CARRYING CONE
Joseph Harley Gritman, Wilkes-Barre, Pa.
Application June 15, 1938, Serial No. 213,889
3 Claims. (Cl. 242—121)

1. A device of the class described comprising a tubular shell having upper and lower laterally and externally flanged ends and being stepped to provide sections decreasing in size successively toward the upper end of the shell and shoulders be-



tween said sections, each section being downwardly tapered.

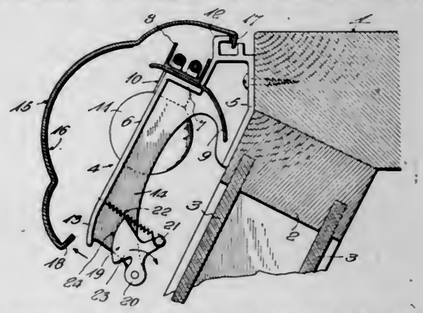
2,149,767
ROTARY ENGINE ABUTMENT AND OPERATING MEANS THEREFOR
Alvin G. Halverson, Houston, Minn.
Application January 25, 1937, Serial No. 122,298
1 Claim. (Cl. 121—78)



In combination with an engine casing having a cylinder bore, a rotor carrying a piston rotatably mounted within the casing, the piston operating in the bore, a drive shaft carried by the rotor and rotating therewith, an abutment housing supported by said casing and disposed transversely thereof, a disc-like abutment mounted within said housing and having an opening adapted to be moved into and out of registration with said cylinder bore when the abutment is turned about its axis, an operating shaft for said abutment pivotally mounting the same, an arm secured to said operating shaft and adjustable circumferentially thereof, a link connected at one end to said arm, an operating crank arm connected to the other end of said link and to said casing, adjustable means for limiting the swinging movement of said crank arm in one direction, means carried by said drive shaft for swinging said crank arm, resilient means for returning the crank arm to its normal position, an upstanding arm carried by said operating shaft and adjustable circumferentially thereof, an arm extending from said housing, and resilient buffer means carried by the arm of said housing and adapted to be engaged by said upstanding arm of the operating shaft for providing a cushioning means therefor when said abutment operating shaft is rotated in one direction.

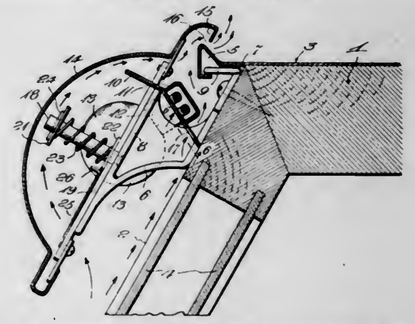
2,149,768
REFLECTOR FOR DISPLAY CASES
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Co., Inc., Trenton, N. J., a corporation of New Jersey
Application November 4, 1937, Serial No. 172,850
6 Claims. (Cl. 240—6)

1. In means for connecting a detachable reflector to a display case having a front glass display panel, a bracket fastened at its upper end to the upper portion of the front of the display case above said panel, said bracket extending from its upper end downwardly in front of and substantially parallel with the panel and having at its upper end a reflector suspending flange and at its lower end a reflector supporting portion, illuminating means carried by the bracket, a reflector disposed on the outer side of said bracket and having at its upper edge a flange to engage



the suspending flange of the bracket and at its lower edge a bearing portion adapted to rest against said supporting portion at the lower end of the bracket, said bearing portion terminating in a retaining flange at the lower edge of the reflector, and a fastening device carried by the lower end of the bracket and engageable with said supporting portion of the bracket and retaining flange on the reflector to clamp the bearing portion of the reflector against said supporting portion of the bracket.

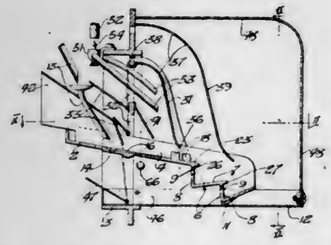
2,149,769
REFLECTOR FOR DISPLAY CASES
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Co., Inc., Trenton, N. J., a corporation of New Jersey
Application November 4, 1937, Serial No. 172,851
2 Claims. (Cl. 240—6)



1. In means for detachably connecting a reflector with a display case, bracket members on the display case having fastening arms disposed in advance of and lying parallel with the plane of the front of the case, a perforate inside reflector carried by said bracket members, illuminating means carried by said bracket members, a concavo-convex main reflector lying outside of and partially enclosing said illuminating means and inside reflector, bracket members on the main reflector, and means for holding said bracket members detachably connected and maintaining the main reflector in spaced rela-

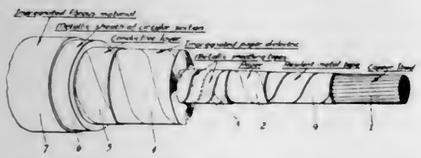
tion to the display case to provide for the flow of a current of air between the reflector and case.

2,149,770
LIQUID FUEL FURNACE
Sydney Harold Hook, Gardiner, Victoria, Australia
Application February 7, 1938, Serial No. 189,265
In Australia April 22, 1936
7 Claims. (Cl. 158—91)



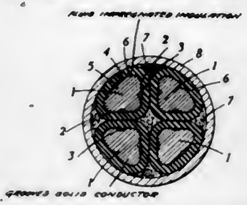
1. A liquid fuel furnace comprising an inclined burner plate adapted to be heated and provided upon its upper surface with a plurality of upstanding spaced projections, a plurality of deflectors arranged over the burner plate in spaced relation relative to the flow direction of the fuel on the plate for causing a plurality of air drafts to be directed against different areas on the top of the burner plate of which one deflector terminates in close proximity to the projections to create a restricted passage for the air draft located adjacent to said projections whereby the liquid fuel and the air draft are forced to pass between said projections and are thus divided into a number of relatively small streams which facilitates vaporization of the fuel and mixing of the air draft and fuel vapour.

2,149,771
ELECTRIC CABLE
Philip Vassar Hunter and Leslie Giddens Brazier, London, and Harry Hill, Kent, England, assignors to Callender's Cable and Construction Company Limited, London, England, a British company
Application April 9, 1936, Serial No. 73,474
In Great Britain April 16, 1935
6 Claims. (Cl. 174—25)



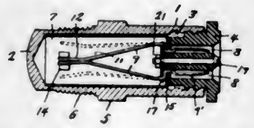
1. A single core electric cable comprising a conductor, a smoothing layer of small thickness surrounding said conductor and consisting of soft fibrous material, a complete, elastic, smooth surfaced, metal layer of non-circular cross-section enclosing said smoothing layer and consisting of at least one helical lapping of metal tape, impregnating fluid in the interstices in the structure enclosed by said metal layer, an impregnated laminated body of insulation built up on said metal layer, and an impervious sheath surrounding said laminated body of insulation.

2,149,772
ELECTRIC CABLE
Philip Vassar Hunter, London, and Harry Hill, Belvedere, England, assignors to Callendar's Cable and Construction Company Limited, London, England, a British company
Application April 28, 1937, Serial No. 139,519
In Great Britain May 9, 1936
4 Claims. (Cl. 174—26)



1. An insulated electric cable comprising a prespiralled, solid conductor having a cross-sectional contour comprising portions of different radius of curvature, fibrous dielectric material surrounding said conductor, insulating fluid impregnating said dielectric material, and an impervious sheath surrounding said dielectric material, said conductor having in its surface at least one shallow groove extending lengthwise of the conductor and so located that the minimum radius of curvature of cross-sectional contour is not decreased by its presence.

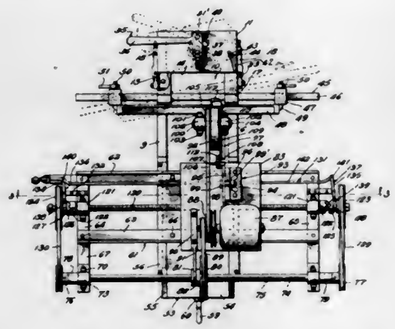
2,149,773
SAFETY PLUG
George W. Huntley, Washington, D. C.
Application October 25, 1937, Serial No. 170,921
6 Claims. (Cl. 200—142)



1. In a device of the class described, a plug, a pair of spring contact strips supported by the plug in spaced relation and including integral offset portions adjacent the free ends thereof, and a fusible element connecting the free ends of said strips to bring the offset portions into engagement with each other to establish a direct electrical connection between said strips.

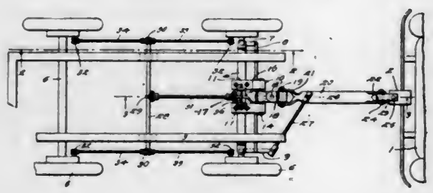
2,149,774
MACHINE FOR SHARPENING LAWN MOWERS
William F. Ingleman, La Fayette, Ind.
Application October 10, 1936, Serial No. 105,108
4 Claims. (Cl. 51—48)

2. In a device of the class described, a frame, mower supporting means carried by the frame for supporting a lawn mower for permitting sharpening of the blades thereof, a carriage carried by the frame, means for moving the carriage longitudinally of the frame, a sub-frame carried by the carriage, a screw carried by the sub-frame and having clutch members, pulleys carried by the screw and having clutch members selectively engageable with said first mentioned clutch members for permitting rotation of the screw either in one direction or the other, a platform carried by the sub-frame and movable laterally therealong, said platform having dogs, a nut carried on the screw and engageable by the dogs, rotation of said screw causing lateral movement in one direction or the other of said platform, means carried by the sub-frame for rotating the pulleys, a prime mover for rotating said last mentioned means, and a blade sharpening stone carried by the platform and operable by



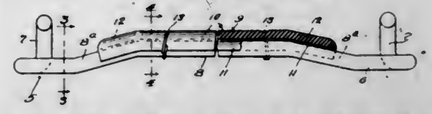
said prime mover simultaneously with the operation of the last mentioned means, said sharpening stone being adapted to engage the edge of a blade for effecting the sharpening operation and being movable thereacross in one direction or the other by said cooperating screw, platform and last mentioned means.

2,149,775
BRAKE OPERATOR FOR TRAILERS
Henry J. Jezek and Louis F. Jezek, Jr., Temple, Tex.
Application February 5, 1938, Serial No. 188,983
4 Claims. (Cl. 188—142)



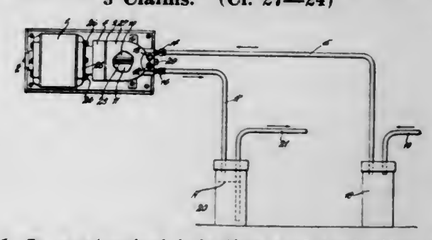
1. A brake actuating mechanism for a trailer having a chassis and a pair of supporting wheels each provided with a brake and actuating mechanism therefor, comprising a unit adapted to be mounted at the forward end of the chassis and including an axle extending transversely of the chassis, an elongated link member disposed across said unit axle and adapted to oscillate thereon in a vertical plane, a draft bar, pivotal means coupling one end of the draft bar with the forward end of said oscillatably mounted link by which lateral and vertical swinging of the draft bar is permitted, said link at its rear end having an ear, means preventing the downward swinging movement of the rear end of said link but permitting the said link forward end to swing downwardly whereby the rear end will swing upwardly when a rearward thrust is imparted to the link by the draft bar, and pull means coupling said link ear with said brake actuating means whereby the upward swinging of the rear end of the said link will effect the application of the trailer brakes.

2,149,776
POTATO DIGGER CHAIN
Arthur T. Knoerzer, Hammond, Ind., assignor to Champion Corporation, Hammond, Ind., a corporation of Indiana
Application October 8, 1937, Serial No. 167,955
5 Claims. (Cl. 198—189)



1. A potato digger chain link having a link hook at each end and offset laterally between the hooks, the ends of the offset portion extending transversely thereof to the end portions of the link, in combination with a cushioning member comprising an elastic strip and a tubular, resilient-metal, rod-clasping member fastened to one side thereof and formed with a slot extending lengthwise thereof along the side opposite the cushioning member, said rod-clasping member having transversely extending end portions disposed parallel with the transversely extending portions of the link, and said rod-clasping member clasping the offset portion and the transversely extending portions of the link, whereby the rotation of the rod-clasping member on the link is prevented.

2,149,777
ANATOMICAL INJECTOR AND ASPIRATOR
Clarence Kidwell, St. Louis, Mo., assignor, by mesne assignments, to K-Z Company, St. Louis, Mo., a firm composed of Clarence Kidwell, Edwin J. Zeigenhein, and Arthur L. Locatell
Application November 22, 1937, Serial No. 175,810
5 Claims. (Cl. 27—24)

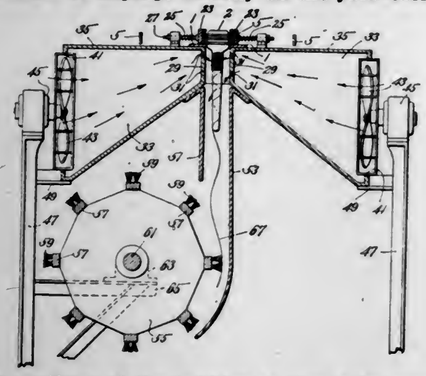


1. In anatomical injecting and aspirating apparatus having a pump with a suction port and a pressure port, a receiving vessel, an injecting fluid reservoir, a line connecting the suction port with said vessel and a line connecting the pressure port with said reservoir, the improvement comprising an expansion chamber open to the first mentioned line, an automatic valve to regulate the pressure in the expansion chamber, a pressure chamber open to the second mentioned line, and a relief valve connected with the pressure chamber adapted to open at a predetermined pressure in the chamber.

2,149,778
BOBBIN STRIPPER
Julius E. Kimbirl, Charlotte, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina
Application November 24, 1937, Serial No. 176,181
9 Claims. (Cl. 28—19)

1. In a bobbin stripper, in combination, means for guiding the bobbins along a path with their tips pointing downwardly a side wall defining a long narrow aperture which extends alongside

such path, and means propelling air through such aperture to impinge initially on the yarn-carrying portions of the bobbins as the latter move sidewise along such path.

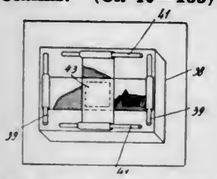


2,149,779

PICTORIAL REPRESENTATION

Friedrich Kroner, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden

Application December 18, 1935, Serial No. 54,963
In Great Britain December 19, 1934
3 Claims. (Cl. 40—135)



1. A plurality of very thin transparent sheets in the shape of continuous webs adapted to be moved in superposed relation to each other and at various angles relative to each other, each sheet bearing a succession of opaque pictorial representations of same objects lying entirely in the plane of the sheet so as to be seen equally clearly from the front and rear of the sheet, said sheets when superposed in any desired order showing different composite pictures as viewed from the topmost sheet of a number of superposed sheets and as viewed from the bottom sheet, or any intermediate sheet.

2,149,780

DISPLAY DEVICE

Friedrich Kroner, Berlin-Charlottenburg, Germany, assignor to Transart Aktiebolag, Goteborg, Sweden, a Swedish company

Application August 28, 1937, Serial No. 161,439
In Germany August 29, 1936
6 Claims. (Cl. 40—102)



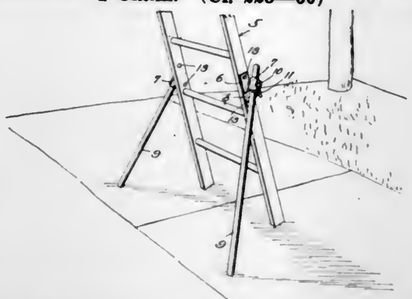
1. The combination with a prismatic base member, of a thin at least partly transparent strip or web comprising a plurality of successive image bearing sections containing interrelated graphic representations, said strip or web being adapted to be wound on said base member so as to form different composite graphic representations by the various image bearing sections of the strip or web being wound up and superposed on said base member.

2,149,781

SAFETY DEVICE FOR LADDERS

Henry Leiser, Denver, Colo., assignor to Dorothy R. Atler and Anne Leiser

Application November 2, 1937, Serial No. 172,421
1 Claim. (Cl. 228—60)



A ladder support comprising a rectangular base plate having screw openings for the reception of screws to secure the base plate to a ladder, a tubular member on the base plate and disposed at an oblique angle with respect to the side edges of the base plate, a web formed integral with the base plate and connecting the tubular member with the base plate, said web being wide at one end and narrow at the other end whereby the tubular member is inclined with respect to the side rail of the ladder, a bracing leg member slidable through the tubular member, a screw movable through the tubular member and adapted to engage the bracing leg adjustably securing the bracing leg within the tubular member.

2,149,782

MAGNETIZABLE FLUID

Ralph Lucas, Albany, N. Y., assignor of fifty per cent to Clare L. Frisbie, Syracuse, N. Y., and twenty per cent to Herbert Champagne, Albany, N. Y.

No Drawing. Application March 17, 1937, Serial No. 131,536
4 Claims. (Cl. 75—169)

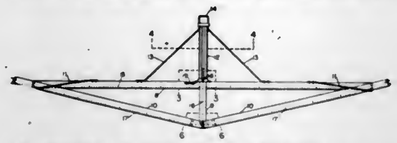
1. A magnetically responsive fluid of the character described, said fluid comprising approximately from 2 to 14 percent by volume of steel dust, 3 percent by volume of powdered graphite, and from 83 to 95 percent by volume of quicksilver.

2,149,783

TERRACE CHANNEL CHECKING DEVICE

John Thomas McAlister, Spartansburg, S. C.; dedicated to the free use of the People of the United States of America

Application February 11, 1938, Serial No. 189,962
4 Claims. (Cl. 33—93)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for measuring excavations consisting of a graduated horizontal bar, two graduated angle members slidingly supported between said horizontal bar and rods carried on the ends thereof, a graduated vertical strut having said angle members hingedly secured to its lower end, and a vertical channel fixedly mounted on the top of said horizontal bar in which the upper portion of said vertical strut is slidably disposed.

2,149,784

ART OF BUILDING CONSTRUCTION

John B. McClatchy, Lower Merion, Jesse P. Mollenkof, Springfield Township, Montgomery County, and Vincent Mercaldo, Germantown, Pa., assignors to Rosemary D. McClatchy, Overbrook, Pa.

Application April 27, 1937, Serial No. 139,890
9 Claims. (Cl. 72—35)



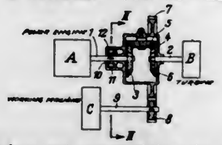
1. A wall construction having the appearance of a regular-masonry stone wall and comprising successive, superimposed, horizontal rows of preformed, composite wall units, whose adjacent juncture surfaces are generally flat and regular throughout their width;—each of said wall units including a cast cement-mixture body and an outer layer of natural irregularly flat-faced stones embedded in said cement-mixture body, and having relatively large exposed facial areas in relation to the clearances between the stones in their facial plane, thin bonding cement-mixture layers intermediate the juncture surfaces of adjacent wall units, and water-resistant cement pointing superimposed upon the outer edge portion of said bonding layer and upon the outer cast-cement body portions between stones and generally in their facial plane and uniting the stones into a single, variegated stone pattern and obscuring the boundaries of the wall units, to produce the appearance of an individually-laid-stone wall.

2,149,785

MACHINE SET

Franz Neugebauer, Dessau-Alten, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany

Application June 8, 1937, Serial No. 147,064
In Germany June 15, 1936
8 Claims. (Cl. 60—13)



1. A machine set comprising in combination a working machine, a turbine, another power engine, a differential gear for transmitting power from said turbine and said engine to said machine and an overrunning clutch inserted between two relatively rotating members of said gear and coupling said parts, until the speed of said turbine exceeds that of said engine.

2,149,786

MINIATURE BOWLING GAME APPARATUS

Jens C. Nielsen, Chicago, Ill.

Application May 23, 1938, Serial No. 209,564
2 Claims. (Cl. 273—109)



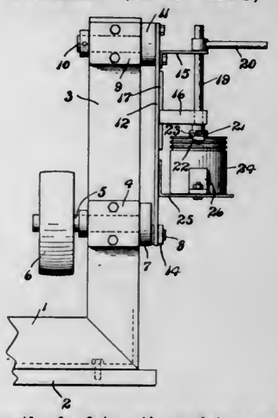
1. A game apparatus comprising a handled elongated body provided with a chamber extending longitudinally thereof for the major portion of its length, an elongated member mounted in the chamber and providing a ball receiving alley, said alley being spaced from the side walls of the chamber to provide a gutter upon opposite sides thereof, balls to be rolled along the alley, means having a depression therein adjacent one end of the alley for initially receiving the balls, a substantially cup-shaped member of generally triangular formation, at the opposite end of the alley and providing goal means for the balls, a shank formed on and depending from the cup-shaped member and being secured to the body for the disposal of a corner of the cup-shaped member toward the center of the alley and ball retaining and guide means extending along the sides of a portion of the alley and from adjacent the depression.

2,149,787

METHOD OF TREATING PISTONS

Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan

Application August 16, 1937, Serial No. 159,313
6 Claims. (Cl. 29—156.5)



1. The method of treating pistons which consists in impacting loosely mounted pointed rods against the inner surface of the piston by oscillating said rods and said piston.

2,149,788

TREATING LUBRICANTS

Albert S. Orr, Upper Darby, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 7, 1936, Serial No. 109,793
14 Claims. (Cl. 87—9)

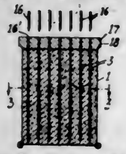
1. As a composition of matter, useful as a lubricant, a uniform composition comprising a

major amount of a mineral oil and a minor amount of an aryl sulphonyl chloride dissolved therein.

2,149,789
HEAT TRANSFER MEDIUM
Karl Willy Rittler and Wolfgang Gündel, Radebeul, near Dresden, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany
No Drawing. Application March 20, 1936, Serial No. 69,980. In Germany March 22, 1935
4 Claims. (Cl. 252—5)

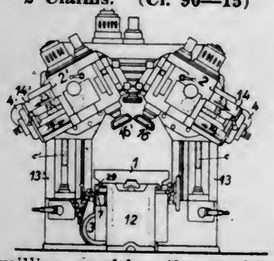
4. As a heat transfer medium boiling higher than 300° C., a combination of an arylether of the monohydroxydiaryls with a compound taken from the class consisting of benzoyldiphenylethers, benzylnaphthalenes, phenylnapthylethers and dihydroxybenzoldiphenylethers.

2,149,790
TREATING AND PACKING POWDERED MATERIAL
Christian Roesch, Jamaica, N. Y., assignor to Paula Roesch, Jamaica, N. Y.
Application April 22, 1938, Serial No. 203,603
8 Claims. (Cl. 99—189)



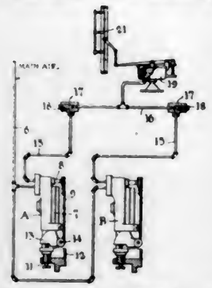
1. The method of vacuumizing powdered material which comprises providing the material with passages for the flow of gases from within the interior of the material to and through said passages and thereafter vacuumizing the material.

2,149,791
MACHINE TOOL
Max Saupe, Chemnitz, Germany, assignor to J. E. Reinecker, Aktien-Gesellschaft, Chemnitz, Germany
Application August 6, 1937, Serial No. 157,763
In Germany August 7, 1936
2 Claims. (Cl. 90—15)



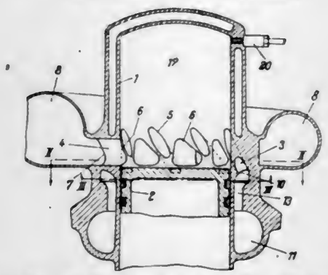
1. In a milling machine, the combination with a reciprocable work table, of a tool support, reciprocable at right angles to the work table, and electrically operated feeding means for effecting a four cornered relative movement therebetween, namely a closed cycle of four consecutive milling operations at right angles to each other,—said electrically operated feeding means being energized from a main circuit of alternating current and comprising two reversible electric feed motors for individually operating the feeding devices of the work table and the tool support respectively and self-acting switching means for alternately and consecutively starting, stopping and reversing said feed motors in response to the lengthwise and crosswise feeding movements of the work table and tool support relatively to each other.

2,149,792
TEMPERATURE CONTROL
Otto Scharpf, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 1, 1938, Serial No. 228,031
3 Claims. (Cl. 236—79)



1. The combination of a fluid pressure supply line; a plurality of gradual acting relays connected therewith and each having a branch line in which it controls pressure and a variable leak port arranged to control the relay; responsive elements, one controlling each leak port; a motor adapted to regulate an atmospheric condition; and restricted communications of substantially identical flow capacity between the various branch lines and said motor.

2,149,793
INTERNAL COMBUSTION ENGINE
Alfred Scheibe, Dessau-Ziebigk, Germany, assignor to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany
Application September 29, 1936, Serial No. 103,135
In Germany October 14, 1935
10 Claims. (Cl. 123—65)



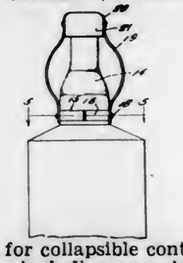
1. In an internal combustion engine of the single-piston two-cycle type the combination of a cylinder and a piston reciprocable in said cylinder, the wall of said cylinder being formed near its outer end, uncovered by the piston on its outward stroke, with intake and exhaust ports, each kind of ports being arranged in a circle, all said intake ports being substantially alike and having the form of simple plain passages in both directions of gas flow, their openings in the inner wall surface of said cylinder extending farther in the direction towards the dead space than those of the exhaust ports, the exhaust ports having a total cross-sectional area of passage considerably exceeding that of the intake ports, said piston being the sole means controlling the passage of air and gas through said ports.

2,149,794
SIGNALING DEVICE
William H. Scott, Rochester, N. Y.
Application October 31, 1936, Serial No. 108,649
1 Claim. (Cl. 88—80)



A traffic signal device comprising a pair of spaced apart opposed members having convex surfaces facing inwardly toward one another, reflective signal elements carried by the said members at their outwardly facing surfaces, and a substantially U-shaped spring supporting band the extremities of which extend between the said members and the reflective elements, said extremities of the band being rigidly secured flatwise to said members and terminating within the marginal limits thereof and being of a width less than that of the said members whereby the latter project laterally beyond the sides of said band extremities and longitudinally therebeyond and thus form engaging terminals for the device.

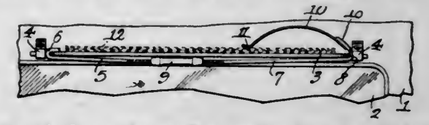
2,149,795
CLOSURE FOR COLLAPSIBLE CONTAINERS
Serge K. Skoblin, Missoula, Mont.
Application September 20, 1938, Serial No. 230,855
2 Claims. (Cl. 221—60)



1. A closure for collapsible containers comprising a nozzle including an internally screw threaded portion to be threaded on a neck of a container and having an annular groove provided with depressions in the walls thereof, a split band mounted in said groove and having inwardly directed ends to enter any of the depressions, a spring member having its ends pivoted on said band and including arcuately curved portions capable of being compressed, and a cap carried by the spring member for closing the nozzle and held seated thereon by the spring member and disengageable from the nozzle by compressing of said portions of the spring member in the direction of each other and the pivoting of said spring member on the nozzle to position the cap laterally thereof.

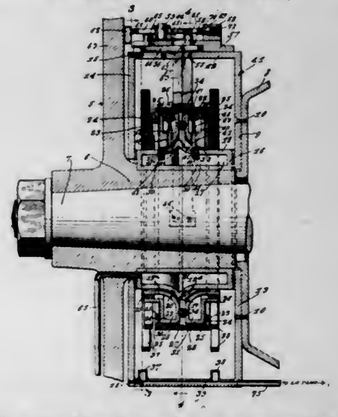
2,149,796
PAPER HOLDER
Jacob K. Smith, North Baltimore, Ohio
Application June 13, 1938, Serial No. 213,560
3 Claims. (Cl. 40—11)

1. A paper-holder for the sun shade of a vehicle, comprising rods having hooks at their outer ends, a turn buckle connecting the inner



ends of the rods, and a resilient paper-holding tongue carried at one end by one hook and projecting in the general direction of the other hook.

2,149,797
TUBE INFLATING DEVICE
Anton A. Starke, Reno, Nev., assignor of twenty-five per cent to Gene Cascl, twenty per cent to Georgiana Cascl, twenty per cent to Elizabeth Starke, and ten per cent to Don Cassettari, all of Reno, Nev.
Application April 1, 1938, Serial No. 199,508
2 Claims. (Cl. 152—416)

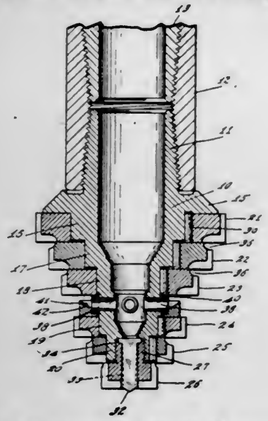


1. The combination of a motor vehicle wheel equipped with an inflatable tire tube and formed with a rotatable hub and a stationary brake drum; of a tire inflating device comprising a housing fixed to said drum and provided with an air receiving bore, a shell mounted on said hub and rotatable therewith, said shell equipped with oppositely disposed clutch faces having passages communicating with the interior of said shell, a band embracing said shell, clutch elements interposed between said band and said shell and fashioned with air chambers and for alternately engaging said clutch faces for communicating air from said chamber to said passages, tubular springs connected to said housing and said clutch elements respectively for effecting communication between said bore and said air chambers, a yoke carried by said band for shifting said band in a manner whereby said clutch elements alternately engage said clutch faces, an air line connecting said shell to said tube, means mounted on said housing for operating said yoke, and a member secured on said wheel for operating said means whereby said clutch elements are alternately shifted for maintaining a flow of air through said springs into said shell.

2,149,798
WELL-DRILLING BIT
William Carleton Starkey, Indianapolis, Ind., assignor of one-half to Arthur E. Krick
Application June 27, 1936, Serial No. 87,601
5 Claims. (Cl. 255—61)

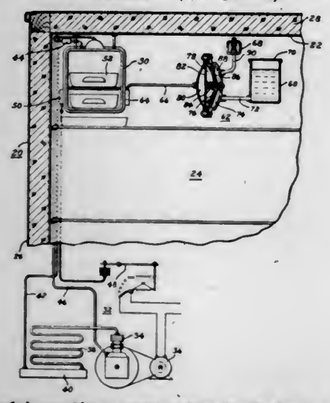
3. In a drill head, a body having an annular flange and below such flange a series of annular

steps decreasing in diameter toward the lower end of the body, an annular element mounted on each of said steps, each of such elements having an external diameter greater than the internal diameter of the element next above it, each of said elements projecting downwardly below the end of the associated step to engage the element next below, some of said elements being provided



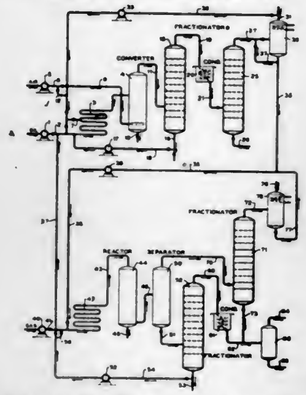
respectively with annular series of cutting teeth, and a clamping member having an external diameter greater than the internal diameter of the annular element immediately above it and also having an upwardly projecting axial boss screw-threadedly received in said body at the lower end thereof, said clamping member having an annular series of cutting teeth.

2,149,799
REFRIGERATING APPARATUS
Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 31, 1935, Serial No. 56,987
8 Claims. (Cl. 62—1)



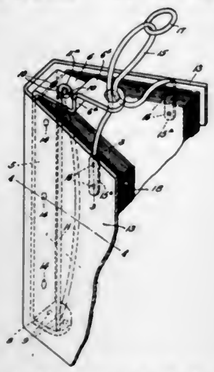
2. Refrigerating apparatus including an insulated refrigerator cabinet means having a door and a door opening, a cooling means in heat exchange relation with the interior of the cabinet, means for intermittently reducing the temperature of said cooling means, a self contained atomizer within the cabinet means including a supply reservoir, a pump having its inlet connected to said supply reservoir, an atomizer nozzle connected to the outlet of said pump, said pump including means operated by the variations in temperature of said cooling means for pumping a liquid from the supply reservoir to the atomizer nozzle.

2,149,800
CONVERSION OF HYDROCARBON OILS AND GASES
Le Roy G. Story, Bronxville, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 23, 1936, Serial No. 92,074
2 Claims. (Cl. 196—10)



1. A process for the conversion of high boiling hydrocarbons into low boiling motor fuel hydrocarbons of the class of gasoline, which comprises subjecting the oil to conversion in the presence of oxygen whereby a larger amount of polymerizable gaseous products is formed than is produced by thermal cracking said oil in the absence of said oxygen, said products comprising a large proportion of the oxygenated and unsaturated hydrocarbons, separating and subjecting said products to a polymerization operation and recovering from the reaction products normally liquid products of high antiknock value and suitable for the manufacture of gasoline.

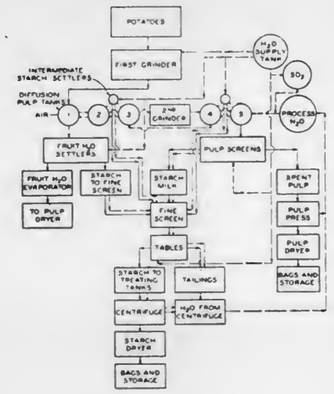
2,149,801
BOOK HANGER
Joseph H. Thornton, Spokane, Wash.
Application March 25, 1938, Serial No. 198,159
6 Claims. (Cl. 129—38)



6. A book hanger comprising a back member

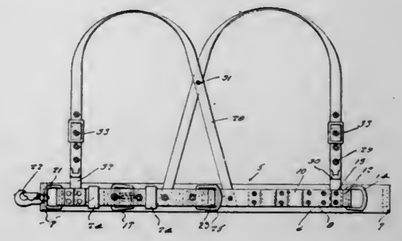
consisting of a strip having its lower end portion bent to form a lip and its upper end portion bent to form an arm disposed over said lip, said arm being bent intermediate its length to dispose its free end portion in an upwardly offset position, the free end portion of said arm having an opening therein, the arm and lip being formed with a plurality of alined holes, a resilient book engaging rod extending between the arm and lip and having its upper end formed with an eye loosely engaged through selected ones of the holes in said arm and its lower end adapted to be removably engaged through a selected one of the holes in said lip, a book cover member secured to said back member and having foldable sides, and a flexible hanger secured at its ends to the sides of said cover member and its intermediate portion constituting a suspension loop passing upwardly through the opening in said arm.

2,149,802
PROCESS FOR THE EXTRACTION OF ROOT STARCHES
Francis H. Thurber, Arlington, Va., dedicated to the free use of the People of the United States
Application March 18, 1938, Serial No. 196,745
4 Claims. (Cl. 127—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In the extraction of starch from root crops, the process which comprises grinding the roots; thence subjecting them to the action of water in the presence of a preservative agent in a countercurrent diffusion and settling system; thence permitting the recoverable starch from the water used in the diffusion system to settle in fruit water settlers; thence subjecting the pulp from the final container of the diffusion system to the action of screening; thence subjecting such starch collected from the screens and from the fruit water settlers to the action of screening; thence tabling the starch; and thence dewatering the starch and drying it; thence collecting the water from the starch dewatering unit, tailings from the tables and water from the pulp press and returning the combined material to a process water storage tank and finally to the counter-current diffusion and settling system, thus completing the cycle in the continuous system; thence evaporating the fruit water from which the recoverable starch had been previously removed by settling, thereby recovering the solids, and thence dewatering the pulp, and drying.

2,149,803
SAFETY BELT
Francis J. Wight, Springfield, Ohio
Application September 30, 1938, Serial No. 232,694
3 Claims. (Cl. 227—49)



1. A safety belt comprising a waist encircling strip, a second strip mounted on the first strip and having portions free thereof to provide tool receiving loops, a ring secured to one end of the second strip, a buckle secured on the first and second named strips, a strap adjustably connected on the second strip by said buckle, a snap fastener carried by the strap to engage with the ring for connecting the strips about the waist of a person, and adjustable shoulder straps connected to the first and second named strips.

2,149,804
PLASTIC IMPRESSION COMPOUND
Ralph E. Yoder, Brooklyn, N. Y.
No Drawing. Application July 27, 1936, Serial No. 92,849
2 Claims. (Cl. 18—47)

1. A plastic impression compound comprising a mixture of powdered waxy material and powdered plaster of Paris.

2,149,805
ELECTRICAL STRUCTURE
William H. Butler, Palisades Park, N. J., and Edward H. Gross, Wethersfield, Conn., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 31, 1935, Serial No. 47,617
7 Claims. (Cl. 91—68)

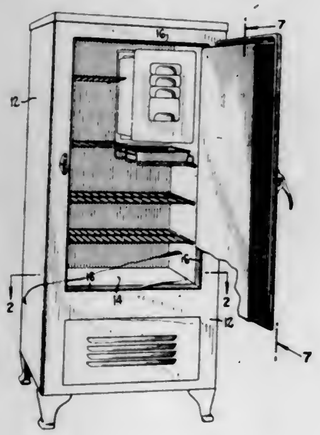
1. Electrical structure comprising in combination a conductive element and insulation for said element, said insulation comprising a primer coating containing a resinous product selected from the group consisting of fatty acid-modified alkyd resins and polyhydric alcohol-esterified reaction products of phenol carboxylic acids with aldehydes, and a protective coating of a varnish in the proportions of one part of a reaction product of an aldehyde with a phenol substituted by a radical selected from the group consisting of alkyl and aryl radicals to from two to six parts of a fatty oil.

2,149,806
SLEEVE LIFTING PAD FOR GARMENTS
John J. Calleo, Lodi, N. J.
Application October 8, 1937, Serial No. 167,872
3 Claims. (Cl. 2—268)



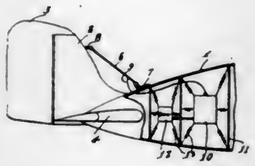
1. A sleeve lifting pad for garments, comprising material in the form of a pad and having its edges in substantially a common plane and its central area convexed out of said plane, and binding material along the said edges for holding the perimeter of said pad to assist in maintaining said convex shape, and means for increasing or decreasing the convex shape of said pad, as desired, said means comprising a piece of string or similar material inserted into said pad beneath said binding material and having its ends extending to the outside thereof through openings formed in said binding material so that these ends may be tied together in their adjusted positions for increasing or decreasing the convex shape of said pad.

2,149,807
REFRIGERATOR CABINET
William D. Collins, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 23, 1933, Serial No. 653,014
Renewed June 17, 1937
11 Claims. (Cl. 220—9)



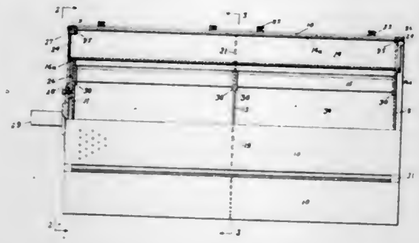
7. Cabinet construction comprising an insulating frame member, wall plates of small insulating value overlapping said frame member, a heat insulating strip forming a trim for the frame member between overlapping edges of said wall plates and bridging said plates said insulating frame member and said strip having long cooperating longitudinally disposed key and groove portions, the key portion being freely insertable in the groove portion, and mechanical holding means between the exterior of said key and the interior of said groove portions.

2,149,808
EMERGENCY AUTOMATIC RADIO TRANSMITTER
Daniel E. Ellis, Los Angeles, Calif.
Application June 1, 1938, Serial No. 211,143
6 Claims. (Cl. 250—17)



1. In combination with an aircraft having a tail portion, radio transmitting means and means responsive to sudden stoppage of the aircraft for rendering said transmitting means operative; each of said means being located in said tail portion of said aircraft.

2,149,809
CYLINDRICAL WASHING MACHINE STRUCTURE AND METHOD OF MAKING SAME
Howard H. Harlan, East Moline, Ill., assignor, by mesne assignments, to American Machine & Metals Inc., New York, N. Y., a corporation of Delaware
Application February 18, 1936, Serial No. 64,423
10 Claims. (Cl. 29—148.2)

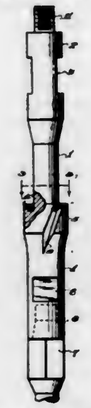


1. The method of making a washing machine cylinder divided into a plurality of compartments which comprises welding to the interior of a perforate sheet bent to form a cylindrical wall, a plurality of ribs all of a length equal to the interior of each of said compartments, inserting a partition within said sheet between the adjacent ends of said ribs, said partition having a peripheral flange, closing said sheet about said partition and welding the said flange to said sheet and fastening the ends of said ribs to said partition and thereafter inserting heads in the ends of the cylinder so formed and attaching the same to the ribs and welding the periphery of said heads to the said sheet.

2,149,810
SCRAPER FOR OIL WELL TUBING
Edward A. Kliewer, Longview, Tex., assignor of one-half to R. W. Fair, Tyler, Tex.
Application August 19, 1935, Serial No. 36,848
6 Claims. (Cl. 166—18)

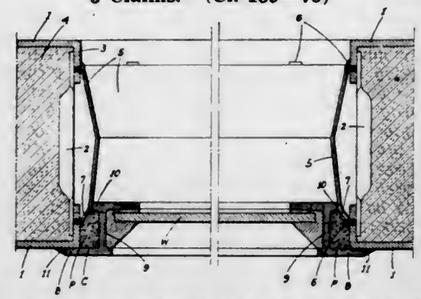
1. A tubing scraper comprising a body having an annular shoulder of greater diameter than the body and tapered at its base, said shoulder

being provided with a pair of diametrically opposite, angularly disposed channels terminating at



their upper ends in an annular cavity having sharpened edges.

2,149,811
WINDOW FRAME MOUNTING
Robert Gilmore Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application January 26, 1938, Serial No. 186,998
3 Claims. (Cl. 189—75)



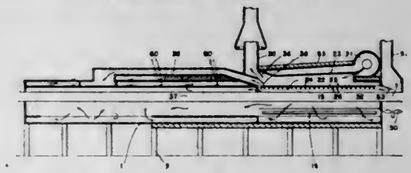
1. In the combination of a wall having a window opening therein, and a window frame for said opening, the frame including a flange surrounding the opening and secured to the wall, and another flange disposed in the opening laterally inward from and connected to the surrounding flange and in spaced relation to the wall surface which outlines said opening; and a jamb plate unit secured on the wall within said opening, the unit including jamb plates having a general convex configuration exteriorally, said other flange engaging said plates in wedging relation.

2,149,812
METHOD OF DRYING BATTERY PLATES
Bruce Gustaf Lindstrom, Milwaukee, Wis., assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application December 28, 1931, Serial No. 583,453
2 Claims. (Cl. 136—33)



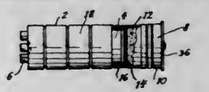
1. The method of treating freshly pasted plates for storage batteries of the Faure lead-acid type preliminary to the drying of the paste, which comprises forming on the surfaces only of the plates a layer of carbonate of lead in sufficient amount to prevent material cracking of the paste while being dried.

2,149,813
APPARATUS FOR DRYING BATTERY PLATES
Bruce G. Lindstrom, Norrkoping, Sweden, assignor, by mesne assignments, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Original application December 28, 1931, Serial No. 583,453. Divided and this application January 22, 1937, Serial No. 121,794
10 Claims. (Cl. 34—12)



1. In a drier, means forming a preliminary heating chamber, a setting or curing chamber and a final drying chamber, means for carrying the articles to be dried through said chambers, means in said final drying chamber for supplying heat and CO_2 gas, a blower, the blower having a discharge duct leading therefrom to the final drying chamber and a return duct leading from the final drying chamber back to the blower, and means for bypassing gases from said discharge duct to one of the other chambers.

2,149,814
AMMUNITION FOR EXPLOSIVE OPERATED TOOLS
Philip E. Littlehale, Middletown, Conn., assignor, by mesne assignments, to Rockhill Patent Holding Corporation, Middletown, Conn., a corporation of Connecticut
Application June 22, 1936, Serial No. 86,464
8 Claims. (Cl. 102—12)

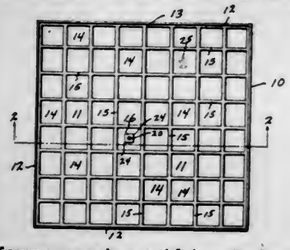


1. Ammunition adapted for use in an explosive operated tool having in combination a shell with an explosive charge therein and wadding covering the charge, the lateral walls of the shell having a portoin thereof extending a substantial distance beyond said wadding and turned inwardly upon itself and engaging said wadding to retain it in place, the inturned portion of said walls forming a recess and in front of said wadding, and a working element having a portion thereof extending into said recess slidably and frictionally engaging the inturned portion of said walls to retain the working element in position.

2,149,815
AMUSEMENT DEVICE
Pansy B. Lloyd, Sioux City, Iowa
Application December 28, 1936, Serial No. 117,784
1 Claim. (Cl. 273—108)

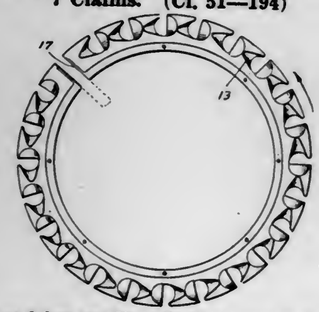
An amusement device comprising a base member, a plurality of flat pockets being attached to the base member, said pockets having side barriers, said barriers being formed of wire having

a plurality of undulating vertical wave forms formed therewith, a top for spinning on said base,



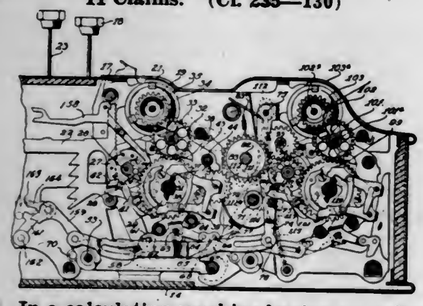
said wave forms causing said top to be deflected into certain of said pockets.

2,149,816
SANDING DRUM PAD
Freeman S. Mitchell, San Diego, Calif.
Application December 9, 1937, Serial No. 178,997
7 Claims. (Cl. 51—194)



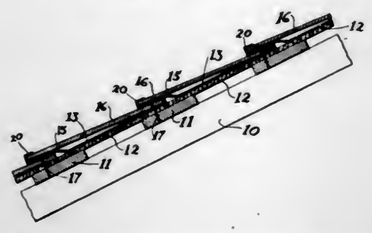
6. A pad for sanding drums comprising a resilient sheet of material, means for securing said sheet around the drum under an abrasive sheet carried by said drum and a plurality of air channels in the outer surface of said pad and extending diagonally thereof, one end of each of said channels constituting an air intake end and the other end of said channels constituting an air discharge end and means for accelerating the passage of air through said channels.

2,149,817
CALCULATING MACHINE
Frederick A. Niemann, Chicago, and Joseph A. V. Turck, Wilmette, Ill., assignors to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Original application November 5, 1934, Serial No. 751,526. Divided and this application November 22, 1935, Serial No. 51,096
11 Claims. (Cl. 235—130)



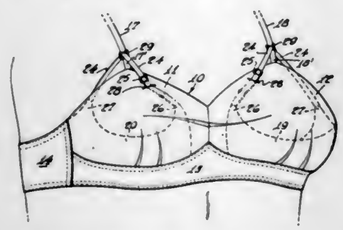
1. In a calculating machine having an ordinary registering mechanism, means for zeroizing said ordinary registering mechanism including a manually operable member, supplemental registering mechanism, means for transferring totals from said ordinary registering mechanism to said supplemental registering mechanism, means for blocking the operation of said manually operable member, and means operable by said transfer means for moving said last named means into blocking position.

2,149,818
BUILDING CONSTRUCTION
William B. North, East Orange, N. J.
Application October 1, 1937, Serial No. 167,985
12 Claims. (Cl. 108—9)



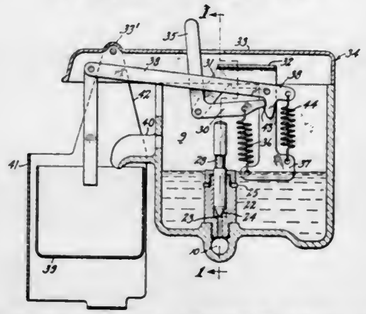
1. A roof or siding construction comprising a base structure, overlapping courses of shingles on the base structure, each course having adjacent shingles therein laid in substantially abutting relationship and having the head ends only of the shingles therein overlapped by but one other course, driven elements for securing the shingles of each course to the base structure, said elements being disposed beneath the overlapping portions of shingles in another course, shingle supporting members arranged to support the lower edge portion of each shingle and weatherproofing means under the joints between shingles in each course and over the driven elements in an overlapped course, said shingle supporting members having a portion underlying the weatherproofing means in the overlapped course.

2,149,819
BRASSIÈRE
Abraham Rubinstein, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application August 18, 1937, Serial No. 159,695
5 Claims. (Cl. 2—42)



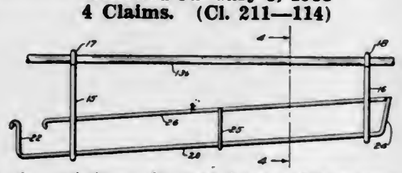
1. In a brassière, a pair of breast pockets, a breast supporting flap within each pocket and secured thereto along its lower and one side edge, and an adjusting strap secured at spaced points to the upper edge of each flap, one end of each strap passing from the inside to the outside through an opening in each pocket.

2,149,820
SAFETY DEVICE FOR A LIQUID FUEL BURNER
Walter M. Simpson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application June 25, 1936, Serial No. 87,170
10 Claims. (Cl. 137—68)



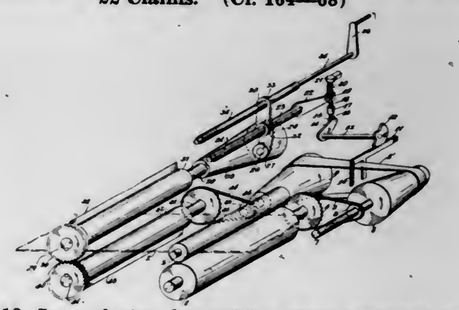
1. A safety device for a liquid fuel burner comprising a valve housing provided with a plurality of openings and having an inlet for liquid fuel and an outlet for conducting the fuel to the burner, a valve member for controlling the inlet, a float within said housing operatively connected to said valve member for regulating the flow of fuel into said housing, a lever pivoted for vertical movement within said housing and having an arm projecting through an opening in said housing, said lever upon downward movement to its lower position being operative to close said valve member, a spring connected to said lever to urge the latter to its lower position, a second lever pivoted within said housing for vertical movement and having one end thereof projecting through another of the openings in said housing, a bucket suspended from the projecting end of said second lever adapted to receive liquid upon overflow from said housing, said second lever being notched to receive a part of said first lever, a spring connected to said second lever to urge the projecting end thereof upward so that said notch effectively holds said first lever in its upper position, said notch moving away from and releasing said first lever to permit downward movement thereof to close said valve member when the projecting end of said second lever moves downward against the tension of said second spring due to overflow of liquid fuel from said housing into said bucket.

2,149,821
REFRIGERATOR
Donald W. Sutherland, Sioux Falls, S. Dak., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 5, 1935, Serial No. 5,057
Renewed January 5, 1938
4 Claims. (Cl. 211—114)



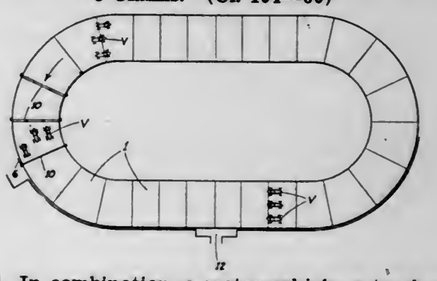
4. A container, for use in a refrigerator having a member therein with a substantially flat underside, said container having upstanding sides and a bottom for retaining eggs within the same, said container including laterally spaced members constituting a track for supporting and causing eggs to align themselves in a row thereon, means for supporting said track inclined toward the front of the refrigerator so that the eggs will gravitate down the track as removal is made from the lower end of the track, stop means on the lower end of the track, said container being supported in said compartment beneath the flat underside of said member so that a top will thereby be provided for the container capable of protecting eggs in the container during insertion of articles into and removal of articles from the refrigerator.

2,149,822
CUTTING MACHINE
Gustave A. Ungar, Pelham Manor, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application October 21, 1935, Serial No. 45,858
22 Claims. (Cl. 164—68)



13. In a device for cutting strip material in predetermined lengths; cutting mechanism operable in cycles; power means for feeding said strip material at constant speed past said cutting mechanism; a driving connection from said power means to said cutting mechanism; and a timing means exterior of said driving connection for varying the period of the cycle at which said driving connection drives said cutting mechanism and for causing said driving power to drive said cutting mechanism in synchronous speed with said strip material during the cutting interval; and means for compensating for any tendency to a slight difference between the speed of the cutting mechanism and strip material at the period of cutting.

2,149,823
JUNIOR SPEEDWAY
Leonard M. Weeks, Modesto, Calif.
Application October 14, 1933, Serial No. 693,621
Renewed February 12, 1937
3 Claims. (Cl. 104—60)



1. In combination, a motor vehicle, a track on which the vehicle is adapted to travel, an engine on the vehicle, a disengageable drive connection

between the engine and the drive wheels of the vehicle, means tending to disengage said connection, means to hold the connection engaged in opposition to the disengaging means and including a catch bar, a rearwardly swingable trip rod mounted on and depending from the vehicle, means between said rod and bar to release the latter when the rod is swung rearwardly, and means mounted on the track to project into the path of the rod with the forward movement of the vehicle to engage and cause the rod to be swung rearwardly whereby to release said driving connection.

2,149,824

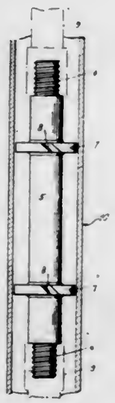
TUBING SCRAPER FOR OIL WELLS

Carl A. Wettermark, Dale, Tex., assignor, by mesne assignments, to R. W. Fair, Tyler, Tex., and E. A. Kliewer, Longview, Tex.

Application July 23, 1934, Serial No. 736,617

Renewed September 25, 1936

3 Claims. (Cl. 166—18)



1. A device of the class described comprising a shaft having a stationary annular flange thereon intermediate its ends and provided with means at the ends thereof whereby it may be connected and interposed in a string of sucker rods, said flange having grooves formed in the periphery thereof, said grooves being on opposite sides of the flange and arranged at approximate forty five degrees to the vertical.

2,149,825

METHODS AND COMPOSITIONS FOR SPRAYING METAL

Frank Osbern Albertson and Gustav A. Olsen, Sioux City, Iowa, assignors to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

No Drawing. Application May 18, 1936, Serial No. 80,372

4 Claims. (Cl. 91—70.3)

1. The method of repairing metal bodies comprising exposing a clean metal surface by abrasion of the body, applying a tinning compound comprising hydrochloric acid, bichloride of mercury, and an excess of metallic mercury, rubbing the cleaned metal surface with said compound until a uniform bright tinned surface is produced, and applying metal to said surface in the form of a meltable solder composition, melted and reduced to a finely divided spray and directed against the tinned surface by compressed air.

2,149,826

METHODS AND COMPOSITIONS FOR SPRAYING METAL

Frank Osbern Albertson and Gustav A. Olsen, Sioux City, Iowa, assignors to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

No Drawing. Application February 23, 1937, Serial No. 127,179

2 Claims. (Cl. 91—70.3)

2. The method of repairing aluminum bodies which comprises exposing a clean metal surface by abrasion of the aluminum body, applying an aluminum wash to said clean metal surface, said wash comprising of a solution of silver nitrate, applying a tinning compound comprising copper sulphate, hydrochloric acid, bichloride of mercury, and an excess of metallic mercury, rubbing the cleaned metal surface with said compound until a uniform bright tinned surface is produced, and applying metal to said surface in the form of a meltable solder composition, melted and reduced to a finely divided spray, and directed against the tinned surface by compressed air.

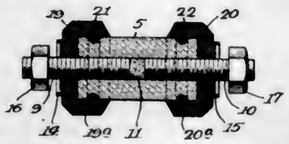
2,149,827

LIGHTNING ARRESTER

Gustaf E. Andre, Richmond, Ind., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 7, 1934, Serial No. 756,449

3 Claims. (Cl. 175—30)



3. The method of manufacturing a lightning arrester, which consists in placing a predetermined quantity of a suitable granular material within a tubular insulating casing which is open at either end thereof, placing a terminal within each of said openings to confine said granular material therebetween, biasing said terminals toward each other so as to subject said granular material to a predetermined compressive stress, and finally sealing the open ends of said casing and locking said terminals in place while said granular material is subjected to said stress by molding a suitable end portion on each end of said casing while said terminals are biased toward each other.

2,149,828

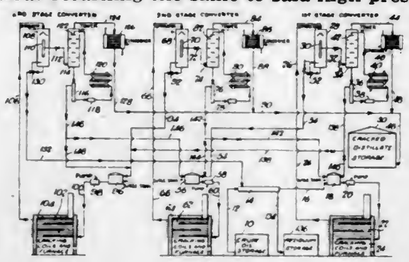
PROCESS AND APPARATUS FOR CRACKING OIL

Cecil E. Beatie, Los Angeles, Calif., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

Original application July 31, 1920, Serial No. 400,531. Divided and this application October 7, 1936, Serial No. 104,411

8 Claims. (Cl. 196—49)

1. A continuous process for converting higher boiling point hydrocarbon oils into oils of lower boiling point of the type of gasoline, which comprises passing the high boiling point oil to be cracked through a high pressure heating and cracking zone in a stream of restricted cross section to effect cracking and vaporization of the oil, introducing the highly heated stream of cracked oil products from said cracking zone into the upper portion of an enlarged vertical separating chamber wherein vapors are separated from unvaporized oil constituents, withdrawing the separated vapors from said enlarged chamber substantially below the top thereof and fractionating them to produce a reflux condensate and an overhead vapor containing gasoline constituents, discharging the separated unvaporized oil constituents from the bottom of said enlarged chamber through a float valve controlled line and without returning the same to said high pressure



zone passing them into a second cracking zone of lower pressure in which the unvaporized oil constituents are heated and subjected to cracking conditions, separating vapors from unvaporized residue resulting from the cracking in said second zone and fractionating the resulting vapors to produce a reflux condensate and an overhead vapor containing gasoline constituents, and passing said reflux condensates into said high pressure cracking zone to supply at least in part the high boiling oil to be cracked therein.

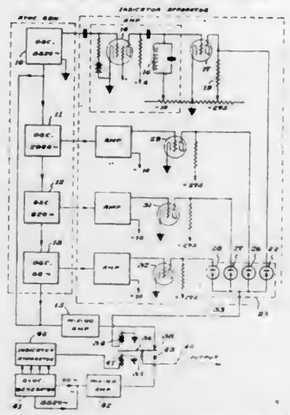
2,149,829

INDICATING AND SWITCHING APPARATUS

George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1937, Serial No. 161,757

5 Claims. (Cl. 250—36)



4. In combination, a generator of synchronizing impulses comprising a chain of oscillators connected to function as frequency dividers, a second generator of synchronizing impulses, means for normally keeping said first generator connected to an output conductor, and means for disconnecting said first generator from said conductor and connecting said second generator to said conductor in response to any one of said oscillators failing to supply a voltage at a predetermined frequency.

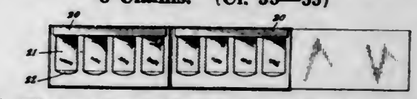
2,149,830

WEIGHTED SAMPLE TAB

Sydney E. Bender, New York, N. Y.

Application February 28, 1938, Serial No. 193,004

8 Claims. (Cl. 35—55)



1. The method of producing weighted sample tabs, which consists of preparing three sets of like patterns, skeletons or masks from reinforcing or stiffening material in the form of sheets having elongated perforations, the perforations of all patterns being adapted to register, the inner faces of the future outer patterns being provided with adhesive matter, placing parallelly a plurality of strips of sample materials over one of the outer patterns so that the strips traverse, but do not fill the elongated perforations, leaving free the longitudinal edges of the strips, placing another, inner pattern, in registry with the first pattern, over the strips of sample material, placing similar sample strips over the inner pattern, but in registry with the first laid strips, covering the now double layer of strips with the other outer pattern, compressing the now sample-filled patterns so as to cause them to adhere and so that the samples are securely held between them, and severing or cutting the now united, sample-holding patterns so as to form individual tabs of sample material, which are joined at one of their edges and free at their three other edges, and reinforced and weighted by the pattern material at their edges opposite to their joined edges.

2,149,831

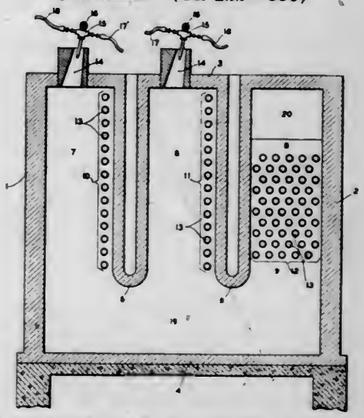
HEATING OF FLUIDS

Donald J. Bergman, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 5, 1935, Serial No. 467

Renewed September 17, 1938

6 Claims. (Cl. 122—356)



5. A heater for fluids comprising, in combination, an elongated combustion zone having a substantially vertical fired wall and an opposite unfired wall substantially parallel to the fired wall and spaced therefrom to form the combustion zone, means comprising a plurality of burners for projecting flames and hot combustion gases, in a substantially continuous sheet and in a substantially vertical direction, over and in intimate contact with the surface of said fired wall in the combustion zone, whereby to heat

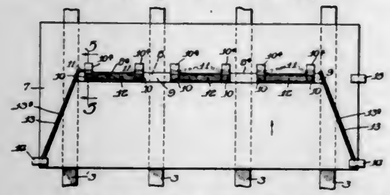
said surface to a highly radiant condition, a substantially vertical bank of horizontally disposed fluid conduits located in the combustion zone out of the direct path of travel of said flames and hot combustion gases and in close proximity to said unfired wall, the walls of the combustion zone being otherwise substantially devoid of fluid conduits and the arrangement of said fluid conduits being such that each is heated, on one side, by direct radiation from the flames, hot combustion gases and fired wall and, on the opposite side by reflected radiation from the unfired wall.

2,149,832

ROLL OF PAPER FOR HIGH SPEED PASTERS

David G. Bernard, Chicago, Ill., assignor, by mesne assignments, to Donald M. Carter, Chicago, Ill.

Application April 22, 1932, Serial No. 606,873
5 Claims. (Cl. 242—58)



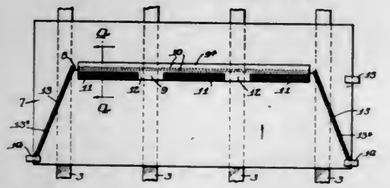
3. A roll of paper arranged for making a high speed paster, having the end of its web substantially parallel with the longitudinal axis of the roll and reinforced by a separate reinforcing part attached to the outer face of the leading edge, and tabs connected with the end of the reinforced web and projecting beyond the end of the web, the tabs being attached to the periphery of the roll beyond the end of the web, said tabs being weakened intermediate their ends.

2,149,833

MEANS FOR PREPARING A ROLL OF PAPER FOR HIGH SPEED PASTERS

David G. Bernard, Chicago, Ill., assignor, by mesne assignments, to Donald M. Carter, Chicago, Ill.

Application April 22, 1932, Serial No. 606,874
Renewed November 16, 1936
3 Claims. (Cl. 242—58)



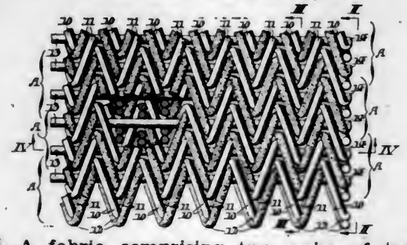
3. A roll of paper arranged for making high speed pasters comprising a web having a substantially straight leading edge near the middle of the roll and extending along the greater portion of the length of the roll, a separate reinforcing member attached to said leading edge of the web and extending therealong, and a weakened connecting means forming a part of the reinforcing means for connecting said reinforcing member with the convolution at the surface of the roll which underlies the last convolution of the roll, the weakened portion of said weakened connecting means being adjacent the free edge of the last convolution on the roll and between such edge and that portion of the underlying convolution to which said reinforcing member is attached.

2,149,834

WIRE FABRIC

Ernest Linwood Blackburn, Philadelphia, Pa., assignor to Korb-Pettit Wire Fabrics & Iron Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application December 20, 1937, Serial No. 180,760
5 Claims. (Cl. 245—6)



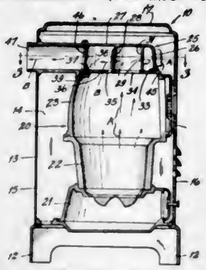
1. A fabric comprising two series of transverse rows of short wire lengths arranged with the lengths of successive rows interlapping, and with those of each series in the same plane and forming one face of the fabric, and integrally connected to the lengths of the other series; and transverse wire strands extending between the wire lengths of the two series, and each interconnecting the wire lengths of two successive rows with those of the adjacent two successive rows.

2,149,835

STOVE

George L. Bridge, Ladue Village, Mo.

Application March 13, 1937, Serial No. 130,682
2 Claims. (Cl. 126—58)



1. A stove comprising an upper section and a dome, said upper section including a top plate having an opening therethrough, said dome including an exterior wall having an aperture therein and an interior wall defining the opening in the plate and having an opening therein, said plate having an additional opening adjacent the opening in the exterior wall, and a plate damper operatively associated with said last-named opening and adapted to be selectively opened or closed, said construction permitting heated gases and air to pass directly to the flue through the second plate opening and the exterior wall opening when the damper is open, and said construction forcing the said heated gases and air to travel successively through the first enumerated plate opening, the interior wall opening and the exterior wall opening when the damper is closed.

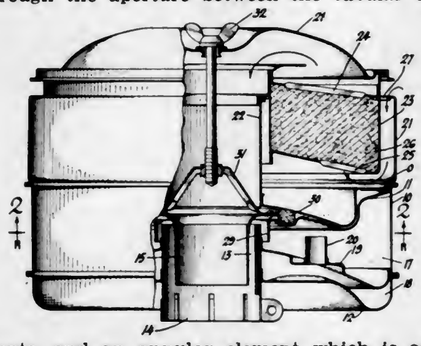
2,149,836

INTAKE SILENCER

Benjamin Gratz Brown, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 4, 1935, Serial No. 48,128
3 Claims. (Cl. 181—59)

1. In a silencer, a duct through which sound waves may travel, the duct including two telescopically related, radially spaced tubular elements, a wall which encircles and is radially spaced from the duct, walls which with the tubular elements and the first-specified wall define a compartment which communicates with the duct through the aperture between the tubular elements, and an annular element which is connected to the same of the second-specified walls as the inner of the tubular elements and encircles and is radially spaced from the inner end of the outer of the tubular elements so that it defines therewith an angularly disposed extension of the aperture through which the compartment communicates with the duct.

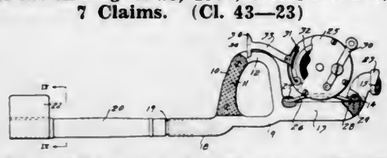


2,149,837

FISHING ROD HANDLE

Carl N. Browne, Panama City, Fla., assignor of one-half to I. F. McDonnell, Birmingham, Ala.

Application August 23, 1937, Serial No. 160,374
7 Claims. (Cl. 43—23)



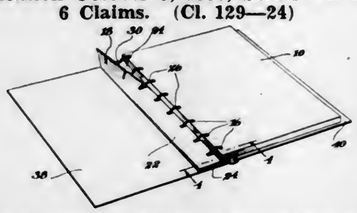
1. In a fishing pole handle, a metallic frame comprising a rearwardly facing back brace socket, an intermediate upstanding handle grip, a reel seat depressed below the middle level of said grip, and a forwardly facing front pole socket substantially level with the middle of said grip and a rear arm brace mounted in said rearwardly facing socket.

2,149,838

LOOSE LEAF BINDING

Vincenzo Catini, New York, N. Y., assignor to Spiral Binding Company, Inc., New York, N. Y., a corporation of New York

Application October 5, 1935, Serial No. 43,735
6 Claims. (Cl. 129—24)



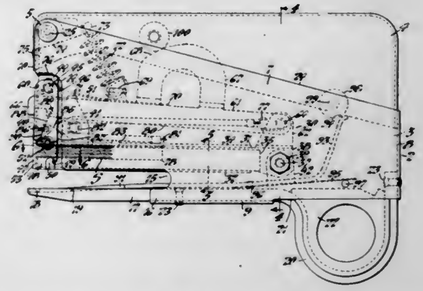
4. In a loose leaf assembly comprising a stack of sheets perforated along one edge, a cover member and a binder adapted to connect the loose sheets to the cover member: a binder made of open ring members adapted to pass through the openings in the stack, and the cover member having a hinged flexible member thereon adapted to cover the free ends of the open ring members and obstruct their movement and said cover member also having a portion thereof adapted to receive the opposite ends of the ring members.

2,149,839

FASTENER APPLYING IMPLEMENT

John F. Cavanagh, Providence, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine

Application November 11, 1936, Serial No. 110,364
19 Claims. (Cl. 1—49)



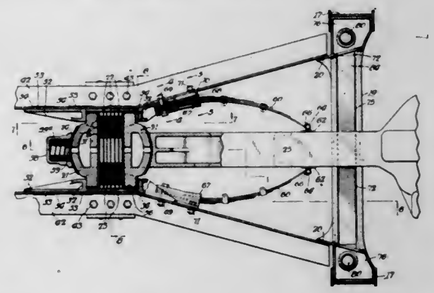
1. In a device of the type indicated, fastener-applying mechanism, a relatively stationary anvil for clinching the fasteners in the work, a work-support independent of the anvil and normally positioned in spaced relation to the fastener-applying mechanism, said work-support being mounted on a fixed pivot for movement away from the anvil toward the fastener-applying mechanism to grip the work thereagainst and hold it suspended above the anvil, and means for actuating the work-support to move it toward the fastener-applying mechanism.

2,149,840

DRAFT GEAR COUPLING ARRANGEMENT

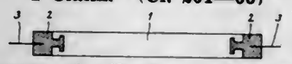
Andrew Christianson, Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application April 18, 1938, Serial No. 202,594
31 Claims. (Cl. 213—20)



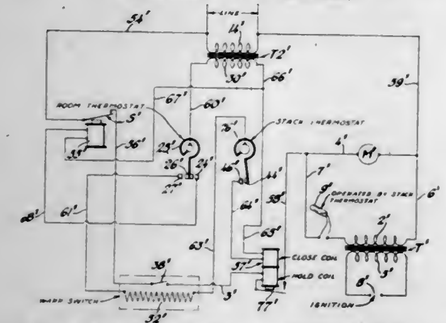
23. A draft gear, a coupler having a rigid yoke encircling and supported from the draft gear and having universal movement with respect thereto, and means supporting the coupler.

2,149,841
ELECTRIC RESISTANCE
Wilhelm Alfons Karl De Schrevel, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 26, 1936, Serial No. 87,331
In Germany August 17, 1935
1 Claim. (Cl. 201—63)



The process of adhering contact pieces to a resistance strip of the type which is made up of a composition of materials sintered together after the resistance strip is shaped as desired which process consists in partially embedding into different points of the unsintered but formed resistance strip, key shaped pieces of carbon material and sintering the resistance material and the key shaped pieces to the resistance material at the same time.

2,149,842
OIL BURNER CONTROL
Robert E. Fowler, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 12, 1936, Serial No. 115,512
2 Claims. (Cl. 158—28)

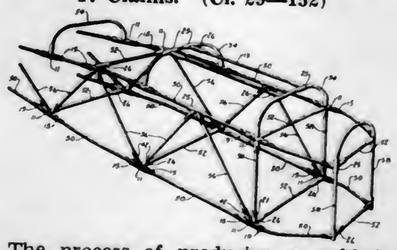


1. In a burner control; a power circuit which includes the primary of a transformer; a first relay; a second relay having a hold coil and a close coil; a burner motor and a circuit therefor connected in parallel with the transformer primary when the burner is in operation including a normally closed switch adapted to be opened by the first relay, a bimetallic switch and a third switch adapted to be moved into closing position by the close coil of the second relay and held in closing position by the hold coil thereof, said hold coil forming a portion of said motor circuit and being connected in series therewith; an ignition means which includes a transformer connected in parallel with the motor; a circuit for said first relay which includes the secondary of said first mentioned transformer and a thermostatically controlled switch moved to closing position when a desired room temperature has been attained; a second circuit which includes the secondary of said first transformer, a switch operated by thermostatic conditions in the stack, the close coil of said second relay, a heating coil in proximity to the bimetallic switch and a switch moved to closing position when the room thermostat demands heat, said heating coil causing said bimetallic switch in the motor circuit to open should the stack thermostat not open after the burner motor has been operating for a desired time interval; and a switch actuated by the stack thermostat adapted to make and break the ignition circuit.

2,149,843
TREATMENT OF CHEMICAL PULP
Frederick F. Frick, Anaconda, Mont., assignor to International Smelting and Refining Company, East Chicago, Ind., a corporation of Montana
No Drawing. Application April 4, 1936, Serial No. 72,770
7 Claims. (Cl. 210—1)

1. In decanting a chemical or metallurgical pulp, the improvement which comprises preparing a cooked aqueous emulsion by heating substantially to the boiling point a mixture of water, starch-bearing material and caustic soda, and incorporating the resulting cooked emulsion in the pulp, thereby to increase the rate of settlement of suspended matter in the pulp.

2,149,844
TUBULAR STRUCTURE EMBODYING WELDED JOINT AND METHOD OF MAKING THE SAME
Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 7, 1935, Serial No. 9,695
17 Claims. (Cl. 29—152)



7. The process of producing a welded joint adapted for use in airplane fuselage construction, which comprises welding an end of a tubular metal bushing to and around an end of a tubular structural member, hardening the said member and bushing assembly at least adjacent the welding zone, inserting the free end of the bushing in a tubular sleeve, and welding the bushing and sleeve together.

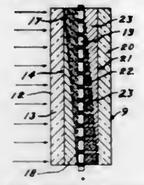
2,149,845
SKYROCKET
Lester Holcomb, Freeport, N. Y., assignor to Paramount Fireworks Company, Inc., New York, N. Y., a corporation of New York
Application November 22, 1933, Serial No. 699,113
9 Claims. (Cl. 102—23)



6. A stickless explosively charged destructible skyrocket having a plurality of readily destructible tail wings forming the sole base therefor

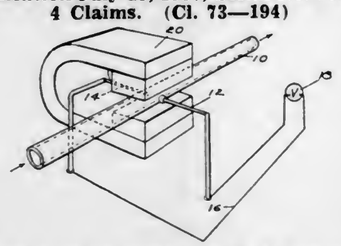
upon which it is located in a substantially vertical position preparatory to firing without the assistance of accessory firing equipment, the explosive charge being adapted to substantially entirely destroy the rocket and the wings thereof during flight.

2,149,846
PROCESS FOR PRINTING
Arden R. Johnson, Elmhurst, Ill.
Application November 14, 1935, Serial No. 49,701
8 Claims. (Cl. 95—5.6)



1. A process for forming printing plates consisting in exposing a photographic light sensitive coating on a plate to a beam of light corresponding inversely in intensity to the light originally passing from the object the image of which is to be printed and simultaneously casting fine shadows on the coating throughout its surface, in then developing the coating, and in then dissolving out therefrom the light exposed portions thereof, whereby the plate with its intaglio surface thus formed may be used for printing.

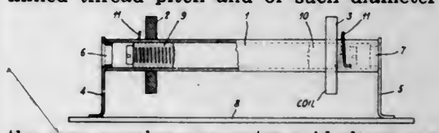
2,149,847
APPARATUS FOR MEASURING FLUID FLOW
Alexander Kolin, Chicago, Ill.
Application July 15, 1937, Serial No. 153,737
4 Claims. (Cl. 73—194)



1. Apparatus for measuring fluid flow comprising a conduit through which the fluid to be measured flows, means disposed adjacent the conduit for creating a homogeneous magnetic field across the entire sectional area of the conduit, electrodes associated with the conduit and communicating electrically with the fluid, and an indicator in circuit with said electrodes.

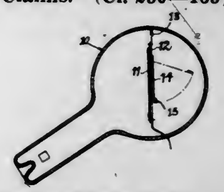
2,149,848
SCREW AND NUT DEVICE
Erich Lampel, Niedersedlitz, Sachsen, Germany, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 18, 1937, Serial No. 126,360
In Germany February 19, 1936
3 Claims. (Cl. 74—424.8)

1. In a device of the kind described, a sleeve member, a pair of oppositely disposed recesses formed on the sleeve member, said recesses being axially displaced to correspond with a predetermined thread pitch, a U-shaped saddle member inserted with its shanks laterally into the opposite recesses and so that a portion of the inner edges of each of the shanks enters the interior of the sleeve member through the recesses to form a partial screw thread within the sleeve member, a core provided with an external screw thread having substantially said same predetermined thread pitch and of such diameter that



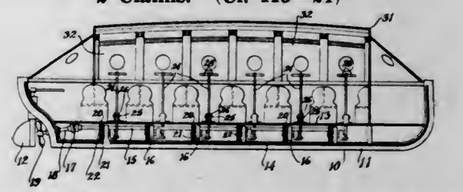
the core member can enter said sleeve member, said screw thread on the core member cooperating with the partial screw thread formed by said shanks within the sleeve member so that the core may be adjusted within the sleeve member by turning the same.

2,149,849
ELECTRON DISCHARGE DEVICE
Hans Gerhard Lubszynski, Hillingdon, and George Stanley Percival Freeman, Chiswick, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 15, 1937, Serial No. 120,642
In Great Britain January 15, 1936
8 Claims. (Cl. 250—165)



1. An electron discharge device comprising an envelope, a support member within said envelope, a surface to be photo-electrically sensitized, a shield member, means securing said surface to one side of said support, means pivotally securing said shield to the other side of said support, a part of said other side of the support being coated with material capable of absorbing photosensitizing material, said shield being adapted to cover the absorbing material during sensitization of the surface and to be pivoted to expose the absorbing material after sensitization.

2,149,850
LIFEBOAT
Arthur W. Lyda, North Canton, Ohio, assignor of one-half to J. Simms Applegate, Wellsburg, W. Va., and one-half to Orpha E. Lyda, North Canton, Ohio
Application July 30, 1937, Serial No. 156,531
2 Claims. (Cl. 115—24)



1. Hand operated boat propelling mechanism including in combination with a boat, a propeller, a drive shaft operatively connected to the propeller and located longitudinally within the lower portion of the boat, a plurality of spaced pinions fixed upon the drive shaft, gears meshing with

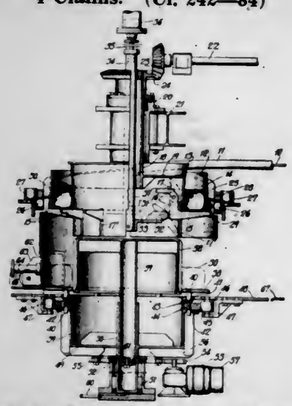
opposite sides of alternate pinions, an eccentric wrist pin connected to each gear, upright operating levers located on opposite sides of the shaft to the gears and fulcrumed intermediate their ends, and a link connecting the lower end of each lever to the wrist pin of the corresponding gear.

2,149,851

APPARATUS FOR HANDLING COILED WIRE AND ROD

Lester R. MacLeod, Ardsley, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application January 21, 1937, Serial No. 121,448
4 Claims. (Cl. 242—84)



1. Apparatus for unloading coils from a coiling machine having a rotating coil forming member, comprising an annular platform positioned to receive a coil discharged from said member, means to rotate said platform at the speed of said member and to bring it to a stop independently of the rotation of said member, and a guide movable to said platform to and from said member to guide coils discharged from the member onto said platform.

2,149,852

DETONATOR FOR CHRISTMAS CRACKERS AND THE LIKE

Arthur Montague Mahaffy, Toronto, Ontario, Canada

Application January 20, 1938, Serial No. 185,871
5 Claims. (Cl. 46—196)



1. A detonator comprising two detonator pull members formed of inextensible strips and each including a detonating device intermediate of its ends, the said members being associated at each end for simultaneous pulling but one of them including slack to form a provision for lost motion to delay its action and thus cause the detonations to succeed one another.

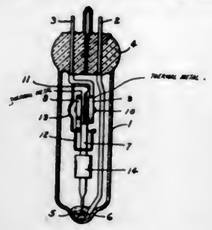
2,149,853

ELECTRIC SWITCH

Ira E. McCabe, Chicago, Ill.

Application January 2, 1937, Serial No. 118,719
11 Claims. (Cl. 200—138)

1. An electrical switch having a fixed contact and a movable contact to open and close the switch, means to normally maintain the switch closed having an instrumentality included in the movable contact provided with means responsive to the passage of an electrical current therethrough to impart movement to said contact to



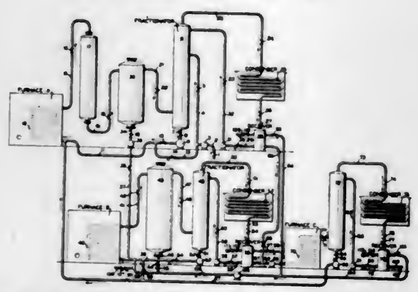
open said switch, and means responsive to radiant energy to prevent said movement of said contact.

2,149,854

TREATMENT OF HYDROCARBON OILS

John Warren McCaffrey, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 6, 1932, Serial No. 584,927
Renewed February 13, 1937
5 Claims. (Cl. 196—62)



1. In processes for cracking hydrocarbon oil of the character in which the oil is subjected to cracking conditions of temperature and pressure, thence separated into vapors and residue in a separating zone, the vapors subjected to fractionation to condense intermediate products heavier than gasoline and the lighter vapors finally condensed to form gasoline-containing distillate, the improvement which comprises subjecting the gasoline-containing distillate to temperature conditions adequate to reform and improve the antiknock characteristics of the gasoline components thereof, recovering the reformed distillate and gases resulting from the reforming operation and subjecting such gases and the residue of the cracking process to hydrogenating conditions of temperature and pressure in an independent hydrogenating zone and recovering distillate from the hydrogenation of the residue and combining the same with the distillate from the cracking operation to be concurrently reformed therewith.

2,149,855

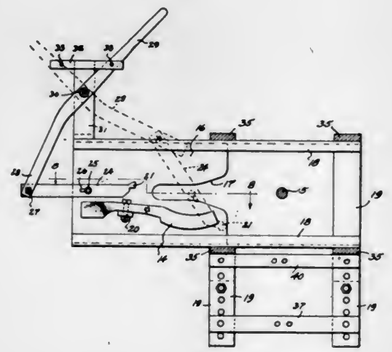
SAFETY PULL ROD COUPLING

Lawrence Jefferson McKinney and Christian Winther Jensen, Detroit, Mich.

Application June 11, 1936, Serial No. 84,604
8 Claims. (Cl. 74—593)

1. A coupling structure for use in a reciprocating power line located between a power source

and the pump of an oil well or the like comprising, cooperating coupling members in the line arranged to be connected and disconnected, abutment means on the line positioned on the side of the coupling members nearest the pump, a stationary frame, a blocking member mounted in said frame and arranged to be shifted into the path of the abutment for taking the load of the



pump and relieving the tension on the coupling members, means for shifting the blocking member into blocking position, means for actuating one of the coupling members when the tension is relieved for shifting one of said coupling members out of coupling relation with the other coupling member, and means for blocking said actuating means from uncoupling said members when the latter are under tension.

2,149,856

LUBRICATING OIL

Leo J. McKone and Willard E. Lyons, Chicago, Ill., assignors to Leo Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 12, 1935, Serial No. 44,682
2 Claims. (Cl. 87—9)

1. A motor lubricating oil comprising a mixture of beta-diketones of a metal selected from the group consisting of platinum, palladium, cobalt, nickel, uranium, zinc, molybdenum, copper, iron and tungsten, and of a metal selected from the group consisting of cerium, thorium, zirconium, beryllium, barium, chromium, titanium, vanadium, cesium, boron, aluminum, and lanthanum.

2,149,857

OILINESS AGENT IN LUBRICATING OILS

Louis A. Mikeska, Westfield, and Raphael Rosen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 18, 1936, Serial No. 91,424
7 Claims. (Cl. 87—9)

1. An improved lubricant comprising a viscous hydrocarbon and a small quantity of an acid compound produced from the condensation product of diolefins contained in cracked naphtha with a material selected from the class consisting of maleic anhydride and unsaturated aldehydes.

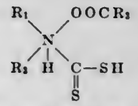
2,149,858

VULCANIZATION ACCELERATOR AND PROCESS OF MAKING THE SAME

Charles O. Miserentino, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

No Drawing. Application September 20, 1935, Serial No. 41,379. Renewed October 8, 1938
4 Claims. (Cl. 260—500)

1. The vulcanization accelerator of the formula—



where R_1, R_2 and R_3 are alkyl radicals.

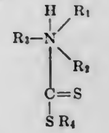
2,149,859

VULCANIZATION ACCELERATOR

Charles O. Miserentino, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York

No Drawing. Application May 15, 1937, Serial No. 142,876
18 Claims. (Cl. 260—270)

1. The compound



in which

$$\frac{R_1}{R_2}$$

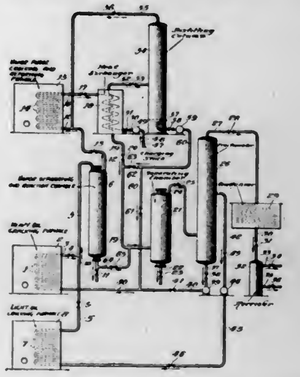
is an organic group having two carbon atoms separately joined to the nitrogen atom to form a secondary amine, in which R_3 is a mono-basic organic acid radical, and R_4 is a member of the group consisting of the metals usually used in rubber, hydrogen and ammonium.

2,149,860

CONVERSION OF HYDROCARBON OILS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

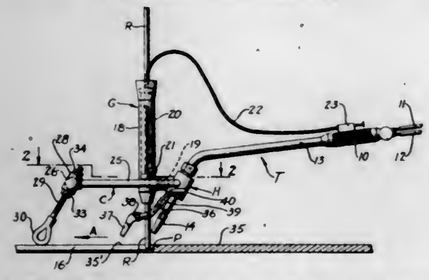
Application June 27, 1936, Serial No. 87,650
6 Claims. (Cl. 196—49)



1. In a process for the treatment of hydrocarbon oils wherein an oil of relatively high-boiling

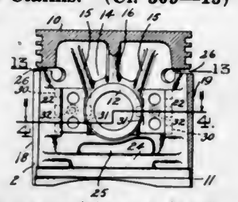
characteristics, recovered from within the system, is subjected to cracking temperature at superatmospheric pressure in a heating coil, the heated products introduced into an enlarged chamber also maintained at substantial superatmospheric pressure wherein separation of their vaporous and residual liquid components is accomplished and the vaporous products passed through a separate cracking coil wherein they are subjected to additional cracking, the improvement which comprises passing charging stock for the process, comprising a hydrocarbon oil of relatively wide boiling range, in indirect heat exchange with relatively hot products discharged from the last mentioned cracking coil, introducing the heated charging stock into a distilling column wherein a substantial portion thereof is vaporized, supplying vapors from said column to the last mentioned cracking coil, commingling unvaporized portions of the charging stock from said column with heated products discharged from the last mentioned cracking coil, introducing the commingled materials and residual liquid withdrawn from said enlarged chamber into a separating chamber maintained at a substantially reduced pressure relative to that employed in said enlarged chamber, removing the resulting non-vaporous residue from the separating chamber, subjecting vaporous products from the separating chamber to fractionation for the formation of reflux condensate, subjecting fractionated vapors of the desired end-boiling point to condensation, recovering the resulting distillate, supplying selected relatively high-boiling fractions of the reflux condensate formed by said fractionation to the first mentioned cracking coil, subjecting selected lower boiling fractions of the reflux condensate formed by said fractionation to an independently controlled cracking temperature at substantial superatmospheric pressure in another separate heating coil, and introducing the heated products from said separate heating coil into said enlarged chamber.

2,149,861
WELDING APPARATUS
William Morton, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application April 24, 1935, Serial No. 17,932
6 Claims. (Cl. 113—59)



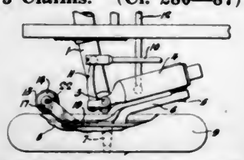
1. Welding apparatus comprising, in combination, means adapted to deliver a welding jet at a welding point on the work; means adapted to deliver a plurality of preheating jets against an unwelded portion of the work on opposite sides of the line of welding ahead of said welding point; means for guiding a welding rod to said welding point between said welding jet and said preheating jets, and a carrier for the three aforesaid means, said carrier including means adapted to engage the surface of the work only at a point substantially ahead of the point of impingement of said preheating jets and also adapted to support at least a portion of the weight of the apparatus on the work.

2,149,862
PISTON
Adolph L. Nelson, Detroit, Mich.
Application July 20, 1936, Serial No. 91,458
Renewed January 13, 1938
19 Claims. (Cl. 309—13)



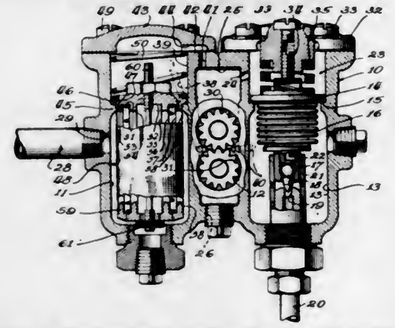
1. A piston comprising a head, piston pin bosses, a skirt having an oval shape with the minor axis of the oval coinciding with the axis of the piston pin bosses, curved thrust walls located on opposite sides of the skirt and separated from the head by slots, the head, pin bosses, and thrust walls being of light-weight piston material, and bimetallic elements extending from at least one thrust face to the piston pin bosses, each bimetallic element consisting of an innermost member and an outermost member, said innermost member being a plate of material having a lower rate of thermal expansion than the material of the thrust walls and located between a pin boss and a thrust wall, said outermost member being a web of material similar to that of the thrust walls and being set back from the periphery of the skirt and being shrunk on the innermost member, said bimetallic elements being adapted to bend under an increase of temperature to change the shape of the skirt and compensate for the excess expansion of the skirt.

2,149,863
HARMONIC BALANCER FOR VEHICLE ROAD WHEELS
Maurice Olley, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 6, 1937, Serial No. 152,107
3 Claims. (Cl. 280—87)



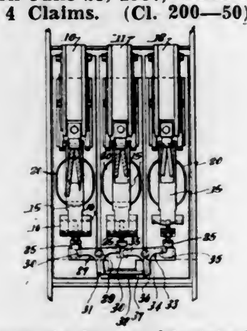
1. In a vehicle having a "sprung" mass resiliently supported on the spindle of a road wheel, said road wheel and associated parts constituting "unsprung" mass of the vehicle, harmonic balancing means operative to counteract forces tending to cause vertical oscillations of the "unsprung" mass relatively to the road, said means comprising a weight resiliently supported for vertical oscillation between a pair of vertically spaced air cushion springs carried by the "unsprung" mass, the lowermost of said air cushion springs being inflated with air to a desired pressure and the uppermost of said air cushion springs being provided with a restricted orifice to atmosphere for the influx and efflux of air at a selected rate, to damp the oscillations of the weight.

2,149,864
FUEL SUPPLY UNIT FOR OIL BURNERS
Herbert C. Osborne, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Wisconsin
Application April 4, 1938, Serial No. 199,742
2 Claims. (Cl. 103—42)



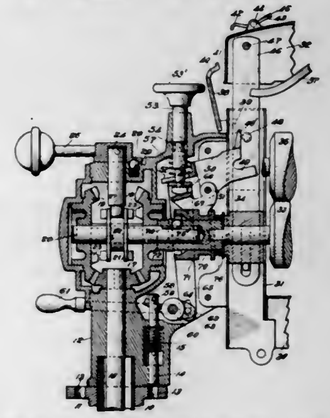
1. In a fuel supply unit, the combination of a pump with a housing provided with a strainer chamber and with a by-pass chamber, a by-pass and pressure regulating valve, said pump feeding liquid fuel from the strainer chamber to an outlet and to the by-pass chamber under the control of said regulating valve, said housing having an annular shoulder in said strainer chamber, with a partition engaging said annular shoulder, said partition supporting a strainer unit, a spring engaging said partition, and a cover plate for said strainer housing, said cover plate engaging and compressing said spring to secure said strainer unit partition in said housing, said cover plate also being provided with a conduit groove communicating with the strainer chamber and with a flat seating surface, and with said by-pass chamber having a conduit adapted to be closed by said seating surface or to be opened by registry with said groove, said cover plate being rotatably adjustable to control said by-pass conduit.

2,149,865
INTERLOCKING MEANS FOR A GROUP OF ELECTRICAL CONTACTORS
Glenn W. Packer, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 23, 1937, Serial No. 149,944
4 Claims. (Cl. 200—50)



1. An interlock for an electrical circuit including a plurality of electrical contactors, and means for interlocking said contactors to operate in a predetermined order comprising a rocking member pivoted midway between the first two of said contactors and having a pair of arms extending laterally in opposite directions from its pivotal axis for engagement with said contactors, to pivot said rocking member upon movement of one of said contactors, a third arm depending from said rocking member, another rocking member pivoted midway between the second two of said contactors and having a pair of arms extending laterally in opposite directions from its pivotal axis for engagement with said contactors, a third arm depending from said rocking member, and a plunger movable transversely of said contactors and having engagement with said depending arms at its opposite ends.

2,149,866
WRINGER HEAD MECHANISM
Fred A. Parish, Newton, Iowa
Application October 15, 1934, Serial No. 748,275
6 Claims. (Cl. 68—249)

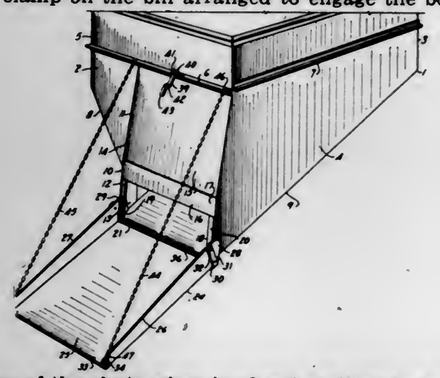


1. A wringer head mechanism comprising, means for driving the wringer rolls, clutching means disposed between the driving means and said rolls, mechanism for releasing pressure between the wringer rolls, a wringer post rotatably supporting the wringer head, mechanism for locking the head relative to the post, and mechanism inter-connecting the locking means, the releasing mechanism and said clutching means whereby release movements of the releasing mechanism or unlocking movement of the locking mechanism brings about operation of the clutching means to stop the wringer rolls.

2,149,867
DELIVERY CONTROL MECHANISM FOR BINS
Torvald N. Pierson, Independence, Mo., assignor to Gleaner Harvester Corporation, Independence, Mo., a corporation of Delaware
Application August 19, 1937, Serial No. 159,919
2 Claims. (Cl. 193—17)

1. In a bin for combine harvesters and the like including side walls, an inclined bottom sloping in the direction of an opening in one of the side walls, a spout covering the opening having spaced sides and a bottom formed as a continuation of said bin bottom, a cover closing the upper portion of the spout and having an upper portion sloping toward the bin at a greater angle than the lower portion, said lower portion cooperating to form an outlet for said spout, a chute having a bottom extending across the width of the spout and having side wings respectively overlapping said sides, means hinging the chute with respect to the spout whereby the chute is moved from a

delivery position to a position where the chute bottom closes said outlet opening of the spout and the side wings overlap the sides of the spout, and a clamp on the bin arranged to engage the bot-



tom of the chute when in closed position to urge said chute bottom in the direction of said upper portion of said cover to bind the chute bottom over said outlet opening of the spout.

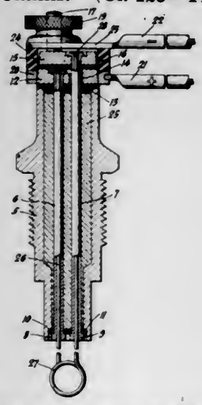
2,149,868

GLOW PLUG

Hector Rabezzana, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 14, 1935, Serial No. 49,845

11 Claims. (Cl. 123—145)



1. A glow plug comprising a hollow cylindrical shell or casing adapted to fit within an opening in the wall of an internal combustion engine cylinder; two metallic rods within said shell and extending longitudinally thereof, and having terminals at the outer end of the plug; an igniting member to which current is supplied through said rods, and which member is located adjacent the inner end of the plug; two insulating members separate and independent of one another and located one at the inner and the other at the outer end of said shell, and having holes through which the ends of said rods extend; and a mass of non-conducting granular material filling the space between said rods and said shell.

2,149,869

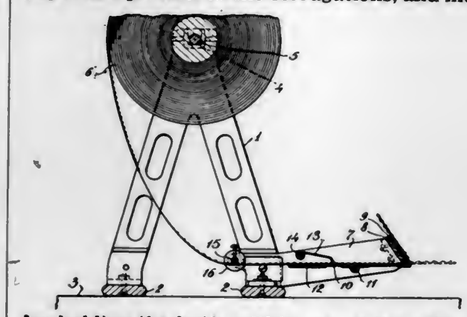
METHOD AND APPARATUS FOR TEARING CORRUGATED PAPER

Herman Ringel, Newark, N. J.

Application July 16, 1937, Serial No. 153,984

15 Claims. (Cl. 164—84.5)

1. Apparatus for tearing corrugated paper comprising a knife disposed at an angle to the paper and parallel to the corrugations, and means



for holding the knife within one of the valleys of the corrugated face of the paper during the tearing operation.

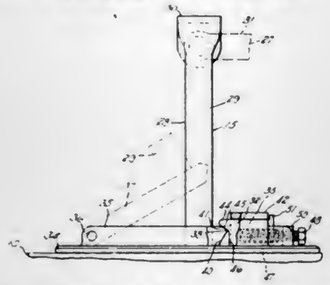
2,149,870

PANIC DOOR RELEASE MECHANISM

Sheldon S. Roby, Meriden, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application July 10, 1936, Serial No. 89,935

10 Claims. (Cl. 268—66)



1. In combination with a power actuated door operating mechanism for causing the opening movement of a swinging door in one direction, a panic release apparatus including a release link and permitting the door to be manually opened in an opposite direction, means pivotally securing one end of the link to the door adjacent its pivotal support, means connecting the link to the power operating mechanism, a releasable latch movably mounted on the door and normally securing the link in operative door engagement to open and close the door under power, and means associated with the latch permitting said latch to be moved out of link engagement in response to a push exerted against the door in a direction opposite to that of its power actuated opening movement so that the door may be manually operated independently of the power mechanism whenever desired and the release link may serve as a lost motion connection between the power operating mechanism and door.

2,149,871

OIL BURNER CONTROL VARIABLE RESISTANCE OPERATED STACK SWITCH

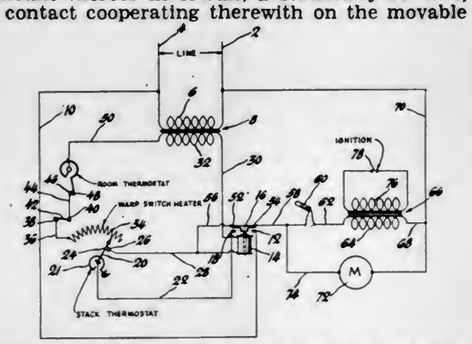
Henry C. Rohr, Rochester, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 23, 1936, Serial No. 70,388

1 Claim. (Cl. 158—28)

In a control system for fuel burners, a high and a low voltage circuit, a fuel propelling means and

a switch therefor in the high voltage circuit, a room thermostat, switch contacts, electrical heating coil for actuating said contacts and a relay coil all in series in the low voltage circuit, said relay actuating the high voltage switch, a member movable over the heating coil to vary the amount thereof in circuit, a stationary contact, a contact cooperating therewith on the movable



member, said member closing the pair of contacts at one extremity of its travel, means for moving the member actuated by combustion temperature, a shunt circuit around the last-named contacts and a pair of contacts in said shunt circuit actuated by the relay coil simultaneously with the high voltage switch whereby a starting and a holding circuit is provided for the relay coil.

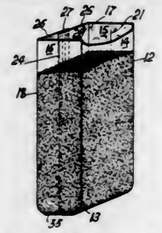
2,149,872

BAG AND METHOD OF MAKING SAME

David Schmidt, Lakewood, Ohio, assignor to The Dobeckmun Company, Cleveland, Ohio, a corporation of Ohio

Application November 17, 1938, Serial No. 241,003

13 Claims. (Cl. 229—58)



1. As an article of manufacture, a bag comprising a pleated tube, an end closure for said tube, and means uniting a panel of the pleat to an adjacent wall of said tube along a line extending diagonally from the inner fold of said pleat adjacent said closure to an outer fold of said pleat and closing off the volume of the bag included between said panel and said adjacent side wall below said diagonal line.

2,149,873

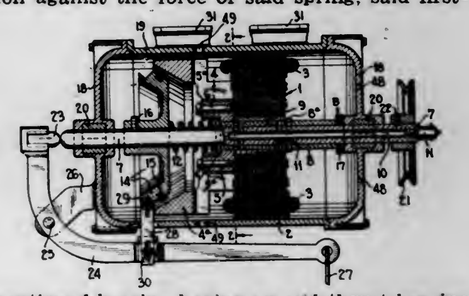
POWER TRANSMISSION DEVICE

Henry Shapiro, New York, and Isaac Joffe, Brooklyn, N. Y.; said Shapiro assignor to said Joffe

Application December 11, 1934, Serial No. 756,916

4 Claims. (Cl. 192—17)

1. A power transmission unit comprising an electric motor having a rotor which is provided with a central opening, a shaft passing through said opening, a bearing located in said opening between said shaft and said rotor, said bearing being mounted on said shaft, a clutch having a first clutch member and a second clutch member, the first clutch member being connected to said rotor, the second clutch member being shiftable and being operatively connected to a power transmission element, a spring abutting said bearing and said second clutch member, means for shifting the second clutch member into operative relation against the force of said spring, said first-



mentioned bearing having an end-thrust bearing between one end of said first-mentioned bearing and a part of the unit which is held against movement which could be produced by the force of said spring, in order to take up the force of said spring when the clutch is operative.

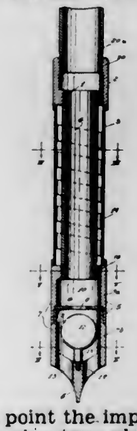
2,149,874

WELL POINT

John W. Stang, Hollis, N. Y.

Application September 28, 1937, Serial No. 166,083

4 Claims. (Cl. 166—5)



1. In a well point the improvement comprising a drill point having two subtantially symmetrical concavely bevelled surfaces with a common pointed vertex, each of said surfaces carrying means for propelling jets of water to an area immediately surrounding said drill point, a duct, a drainage screen surrounding said duct and spaced apart from said duct by a spirally wound corrugated metal strip thereby forming a drainage space between said screen and said duct, said duct being in communication with said means for propelling jets of water and with said drainage space, and means for closing the communication of said duct with said means for propelling jets of water.

2,149,875

CABLE SUPPORT

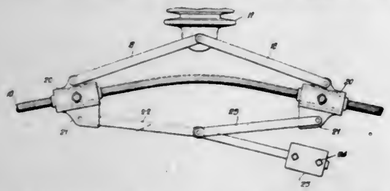
James E. Talbott, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application February 1, 1936, Serial No. 61,927

4 Claims. (Cl. 248—63)

1. A cable support assembly for supporting a length of cable below and slightly spaced from a

support, which comprises a pair of clamps for said cable spaced equally distant from the position of support and each having an ear projecting upwardly above said cable, a pair of links for securing said ears to the support, each link being pivotally connected to its respective ear and extending upwardly toward said support for pivotal connection thereto, each clamp having a pair of ears projecting below said cable, a second pair of links pivoted to each other midway of said clamps and pivotally secured at their free ends to the downwardly projecting ears on said clamps, and a weight on said linkage to draw said clamps toward each other.



2,149,876

SOLUBLE COFFEE PRODUCT AND METHOD OF PREPARING SAME

Gerald L. Wendt, New York, and Douglas Fronmuller, Middle Village, Long Island, N. Y., assignors to Coffee Products Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 15, 1934, Serial No. 730,752
7 Claims. (Cl. 99—71)

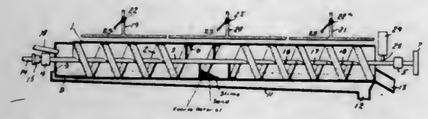
1. The improvement in the production of solid coffee products from green unroasted coffee beans which comprises subjecting a purified extract from such beans to evaporation to produce a concentrated extract and combining the removal of water from said concentrated extract with the roasting of the product by supplying the concentrated extract in the form of a thin layer to surfaces heated to the roasting temperature, whereby the water is rapidly removed from the concentrated extract and the product thereafter rapidly roasted.

2,149,877

SCREENING

Charles Erb Wuensch, Joplin, Mo.

Application May 28, 1936, Serial No. 82,203
3 Claims. (Cl. 209—270)



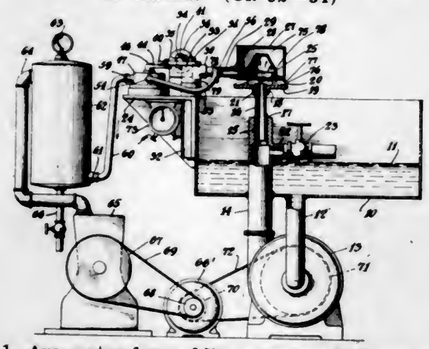
3. A screening device which comprises a drum having a foraminous wall and a substantially horizontal axis of rotation, a continuous spiral conveyor disposed within the drum and having flights which extend from approximately the axis of rotation of the drum to the foraminous wall thereof, a continuous and relatively broad ribbon fastened to and extending forward from the leading edge of the conveyor and having its major surfaces substantially parallel to and adjacent to the foraminous wall, means for rotating the drum about said axis, means for feeding solids into the rear end of the drum and means for retaining a substantial pool of liquid in the drum.

2,149,878

PULP MOLDING

Harvey V. Mitchell, Massillon, Ohio

Application August 27, 1936, Serial No. 98,181
15 Claims. (Cl. 92—54)



1. Apparatus for molding articles of fibrous material comprising a liquid stock tank for said fibrous material, a hollow foraminous mold having a downwardly directed mouth for receiving said fibrous material, a jacket surrounding said mold, an upwardly pointing jet beneath said mold adapted to project the liquid stock upwardly in the form of a geyser, means for moving liquid stock from said tank in a stream of controlled velocity head through said jet into the interior of said mold, and means for controlling the amount of fibers deposited on the walls of said mold including mechanism for maintaining a sub-atmospheric pressure in said jacket and a baffle adjacent the mouth of said mold to regulate the flow of fibrous stock out of said mold under controlled velocity head.

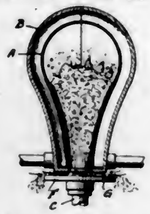
6. In a process of molding hollow containers from pulp stock the steps which include feeding a stream of pulp stock of restricted cross-section upwardly into a hollow foraminous mold, causing said stream to break and spread laterally and downwardly in a direction reverse of said upwardly flowing stream and over the entire interior surface of said mold while maintaining a partial vacuum on the outside of the porous walls of said mold whereby to deposit pulp fibres from said laterally and downwardly flowing stream upon said interior surface of the mold and to draw liquid from said stream through the pores of said walls, and maintaining the flow of pulp stock in and out of said mold while depositing pulp fibres on said walls from said stock, whereby to selectively deposit the pulp fibres on said mold walls.

2,149,879

PULP MOLDING

Harvey V. Mitchell, Massillon, Ohio

Application February 27, 1937, Serial No. 128,110
5 Claims. (Cl. 92—54)



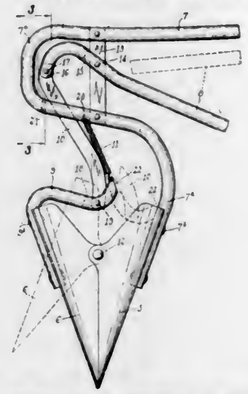
1. The method of forming hollow pulp articles which comprises introducing a restricted stream of liquid suspension of pulp fibres under controlled head upwardly through a restricted opening at the lower end of a hollow foraminous mold while simultaneously drawing air into said opening directly from the atmosphere by maintaining a sub-atmospheric pressure on the exterior of said mold whereby to dilute said liquid and form a foaming pulp suspension, causing said foaming pulp suspension gradually to rise in the interior of said mold while maintaining said sub-atmospheric pressure whereby to deposit a blanket of pulp fibres on the interior surface of said mold progressively from bottom to top as the foam front rises, discontinuing the flow of liquid suspension after said foam front has reached the top of said mold, and continuing the flow of air for a sufficient time to remove excess liquid from said blanket to render the article so formed sufficiently rigid for removal intact from said mold.

2,149,880

SOIL OPENER FOR PLANTING BULBS AND THE LIKE

John M. Boordsen, New London, Conn.

Application February 24, 1938, Serial No. 192,306
6 Claims. (Cl. 55—68)



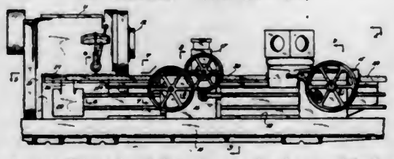
1. A soil-opening implement comprising a pair of curved pointed jaws having opposing edges and pivoted together at their inner edges intermediate of their ends, a handle member comprising a bent rod rigidly attached to one of said jaws adjacent its upper end and having a laterally directed handle portion, a second handle member pivotally mounted on the intermediate portion of the first for cooperation therewith in opening the jaws, means connecting said second handle member with the second jaw, and a spring normally holding the jaws in the closed position.

2,149,881

WAY GUARD FOR MACHINE TOOLS

Edward P. Burrell, Shaker Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Application June 30, 1936, Serial No. 88,158
22 Claims. (Cl. 82—32)



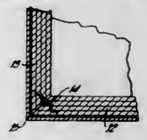
1. A machine tool having a bed provided with ways and a plurality of slidable members, one of said ways being common to said slidable members and of stepped formation on one side thereof with the entire way including the steps slidably supporting one of said members, and guard members extending over the common way protecting the working surfaces thereof without interfering with the movements of the sliding members.

2,149,882

METHOD OF MAKING A FLANGED PANEL

MacMillan Clements, Schenectady, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 1, 1937, Serial No. 128,319
4 Claims. (Cl. 29—148)



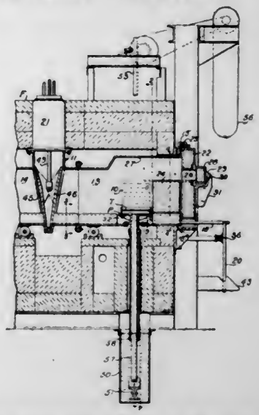
1. In the art of sheet metal working, those steps in the method of forming a flanged panel from a rectangular, board-like product comprising a sheet metal facing adhesively secured to a wood backing which comprise, cutting a V-shaped groove in said backing parallel to each edge of said product and with the bottom of the grooves substantially coincident with the back of said facing, removing those portions of the product at the corners thereof and included between the bottom lines of the grooves, bending said product along each of the lines defined by the bottoms of said grooves until the sides of each of said grooves are substantially coincident, and soldering the metal facing of the flanges together at the corners.

2,149,883

HEAT TREATING FURNACE

Ernest G. de Coriolis, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application July 3, 1937, Serial No. 151,784
8 Claims. (Cl. 263—6)



1. In a heat treating furnace having a chamber wherefrom articles in a stack on a tray are required to be removed, the combination comprising a block of substantial height positioned within and extending across and substantially filling the discharge end of the chamber except

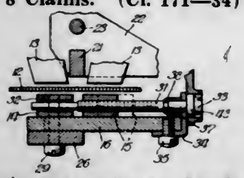
at the upper portion thereof, a closure at the discharge end of the chamber having a door opening which provides access to said upper portion, a platform normally disposed adjacent the floor of the chamber in front of said block for receiving a tray which is to be unloaded, and means for elevating the platform to bring the top article of the stack on the tray into position for removal from the chamber across the top of said block as the articles are successively removed from the top of the stack.

2,149,884
NECKTIE
Harry L. Frezel, Philadelphia, Pa.
Application December 31, 1936, Serial No. 118,620
4 Claims. (Cl. 2—150)



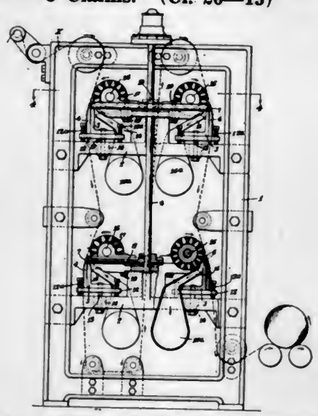
1. A preformed necktie comprising a knot portion having a longitudinal gap formed in the rear thereof and consisting of a base member of stiff material and a cover member of flexible material; a short flexible strip disposed within and stitched to said knot portion and terminating in two free ends; a front pendant portion stitched at its upper end only to one of the free ends of said flexible strip; a combined neck and rear pendant portion stitched at its upper end only to the other of the free ends of said flexible strip; said stitching connecting said flexible strip to said knot portion and said pendant portions falling wholly within and being concealed by the knot portion material.

2,149,885
WATT-HOUR METER WITH UNIFORM DAMPING ADJUSTMENTS
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application February 16, 1938, Serial No. 190,726
8 Claims. (Cl. 171—34)



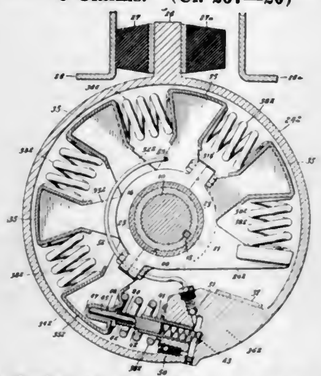
1. A damping magnet assembly for a rotating disc, including a generally U-shaped magnet disposed to be positioned with its poles adjacent one face of the disc and an armature disposed to be positioned adjacent the other face of the disc opposite the poles of the magnet, said armature including a magnetic bar relatively remote from the magnet poles and magnetic members substantially in magnetic contact with the bar and positioned relatively close to the magnet poles but relatively movable toward and away from each other for altering the damping torque which would be exerted on the rotating disc by the damping magnet assembly.

2,149,886
THREAD CLIPPING MACHINE
Wilfred N. Hadley, Springfield, Vt.
Application March 26, 1936, Serial No. 70,938
8 Claims. (Cl. 26—15)



1. In a machine of the class described, the combination of an endless cutter band, supporting and driving pulleys arranged outside the opposite edges of the travelling cloth to cause the cutter band to travel across the face of the cloth in forward and rear tangential stretches, cutter guiding means extending across the width of the cloth in parallel guiding relation to the tangential stretches of the band and on opposite sides of the band, the forward edge portions of said guiding means being notched rearwardly to afford protection against injury to the cloth while exposing projecting threads to the shearing action of the travelling cutter.

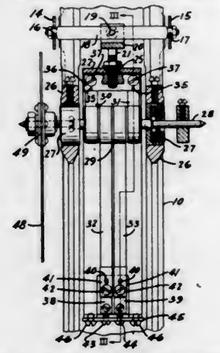
2,149,887
DEVICE FOR PROVIDING TORSIONAL RESISTANCE
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York
Application April 15, 1937, Serial No. 137,099
6 Claims. (Cl. 267—20)



1. A device for providing torsional resilience and adapted to be interposed between a stationary member and a rotary member and comprising: a casing having an interior abutment and an exterior leg; connecting means between said leg and said stationary member; a thrust arm connected with the rotary member; a transfer arm movably connected with said stationary member; a spring

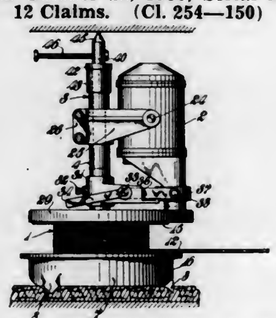
connected with said thrust arm and said transfer arm; and another spring connected with said transfer arm and said abutment.

2,149,888
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application December 3, 1937, Serial No. 177,951
4 Claims. (Cl. 265—62)



1. In a device of the class described, in combination, weighing mechanism comprising load receiving means, pendulum load counterbalancing mechanism operatively connected to said load receiving means, load indicating means and means for operatively connecting said pendulum load counterbalancing mechanism to said indicating means, said connecting means including a frame pivotally connected to said pendulum load counterbalancing mechanism and partaking of its movement, a member pivotally mounted in said frame and adapted to rotate about an axis parallel to the axis of rotation of said pendulum load counterbalancing mechanism, a member pivotally connected to said aforementioned member and adapted to oscillate in a plane extending at right angles to the oscillating axis of said pendulum load counterbalancing mechanism and a substantially Z-shaped plate, adapted to freely rotate about a vertical axis, connected to said second mentioned oscillating member and flexable means for connecting said substantially Z-shaped plate to said indicating means.

2,149,889
HOISTING MECHANISM
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 21, 1936, Serial No. 106,850
12 Claims. (Cl. 254—150)



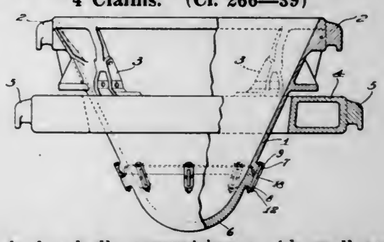
2. In a hoisting mechanism, a central mine column structure for securing the hoisting mechanism in hoisting position, a hoisting drum journaled on said column in coaxial relation therewith, a motor pivotally mounted on said column for driving said drum, said motor having a motor pinion, a gear secured to the drum, and means for swinging said motor relative to said column structure to move said motor pinion into and out of meshing engagement with said drum gear.

2,149,890
TOOTH BRUSH
James Kilburg, San Francisco, Calif., assignor to Turgard, Inc., Portland, Oreg.
Application October 3, 1936, Serial No. 103,854
2 Claims. (Cl. 15—205)



1. A toothbrush comprising a handle and an elongated hollow head formed integral therewith, a plurality of spaced slotted walls arranged transversely of the head to form a plurality of compartments therein, a plurality of interconnected bristles disposed within each compartment, a wedge-plate positioned lengthwise of the head within the slots of said walls to divide said bristles into tufts, and the lower edge of the wedge-plate engaging the connecting portions of said bristles and being formed with projections embedded in the bottom wall of the hollow head.

2,149,891
SLAG LADLE
William C. Kitto, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1938, Serial No. 224,083
4 Claims. (Cl. 266—39)

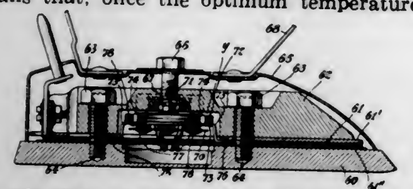


1. A slag ladle comprising a side wall section formed of cast steel to withstand service conditions, a bottom section of receptacular shape formed of cast iron to resist the adhesive tendencies of slag steel, and means for detachably connecting said bottom to said wall section whereby the former may readily be separated from the latter to facilitate the removal of solidified slag steel from the ladle.

2,149,892
THERMOSTATIC DEVICE
Emil Klahn, New Vernon, N. J.; Johanna Margaret Percival administratrix of said Emil Klahn, deceased
Application August 5, 1931, Serial No. 555,211
9 Claims. (Cl. 219—25)

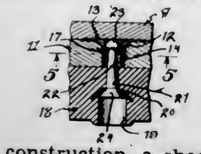
9. An electrical ironing device, comprising a sole plate, unitary electrical resistance heating

means, a rugged, inherently insensitive, snap-acting thermostatic switch disposed in the circuit of said heating means and controlling the same, said switch including a bi-metallic thermostatic member and said heating means including a main portion of relatively large electrical resistance, which portion is metallically shielded from said thermostatic member and adapted to primarily heat said sole plate, and also including a minor portion integral with said main portion and of relatively small electrical resistance, in series with said main portion, said thermostatic member being so disposed with respect to the sole plate and such minor portion of said heating means that, once the optimum temperature in



the sole plate at which, when attained, the said switch is set to open and when the switch is closed during the periodic operations thereof, such thermostatic member is more intensely heated by such minor portion of the heating means than by said metallically shielded main portion thereof and thereby the switch opens and closes in direct response to the heating and cooling of such minor portion of the heating means, the arrangement and proportion of the parts being such that the rapid heating and cooling of the said minor portion of the heating means, in response to the operation of the switch, compensates for the lack of sensitivity of the switch and permits of the maintenance of such optimum temperature in the sole plate.

2,149,893
DETACHABLE HEEL
Paul G. Lehwald, Milwaukee, Wis., assignor of one-half to Charles J. Lehwald, Sun Prairie, Wis.
Application October 15, 1937, Serial No. 169,215
2 Claims. (Cl. 36—36)

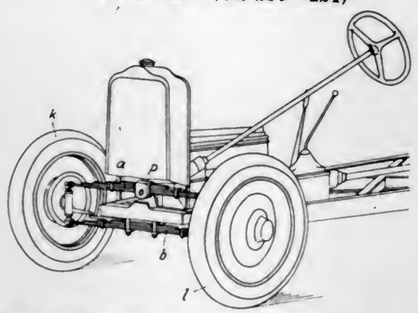


1. In a heel construction, a shoe lift provided with openings, socket members including sleeves fitted in said openings having slots on the opposite sides thereof, U-shaped springs fitted in said slots and bearing against the material of the lift, a wear lift having recesses therein, and removable studs insertible through the recesses in the wear lift into the sockets having ball heads for engaging the springs.

2,149,894
CARBON REMOVER
Eugene Lieber, Elizabeth, and William H. Smyers, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 11, 1934, Serial No. 756,974
2 Claims. (Cl. 87—5)

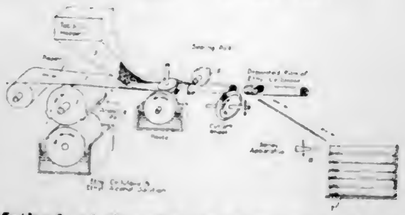
1. A carbon remover in emulsion form consisting of about 25–35% of a 10–20% refined petroleum lubricating oil solution of oil soluble sulfonates derived by treatment of a petroleum lubricating oil with concentrated sulfuric acid, and about 65–75% of a 10% aqueous solution of tetramethyl ammonium hydroxide, said oil solution and aqueous solution being emulsified together.

2,149,895
SPRINGING
Herbert Maruhn, Berlin-Charlottenburg, Germany
Application September 30, 1932, Serial No. 635,672
In Germany October 12, 1931
4 Claims. (Cl. 280—124)



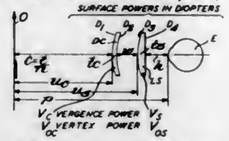
1. A springing arrangement for a pair of wheels of a power-driven vehicle, which are so attached to the frame of the vehicle as to be capable of swinging with respect thereto, comprising a plurality of resilient means of which one portion is fixed to the vehicle frame and the other portion is rotatably journalled to the frame in the longitudinal central plane of the vehicle, as set forth.

2,149,896
METHOD OF MAKING CIGARETTES
Edward Hoxsie McArdle, Elizabeth, and Leo Roon, South Orange, N. J., assignors to Roxalin Flexible Lacquer Company, Incorporated, a corporation of New Jersey
Application February 12, 1935, Serial No. 6,258
1 Claim. (Cl. 131—39)



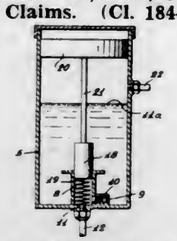
Method of forming a partially waterproofed cigarette which comprises feeding a strip of paper applying thereon a band of a solution of ethyl cellulose and ethyl alcohol, permitting the ethyl alcohol of the solution to volatilize and deposit on the paper a band of solid ethyl cellulose, folding said paper while positioning therein loose tobacco, compressing the tobacco and sealing the paper therearound, cutting the paper and tobacco to form a cigarette, and treating one end thereof with a solution of ethyl cellulose and ethyl alcohol to bond the tobacco particles together, whereby said particles at the treated end are maintained in a stiffened and assembled relation and the cigarette prevented from sticking to the lips.

2,149,897
TRIAL LENS
Kenneth N. Ogle, Hanover, N. H., assignor to Trustees of Dartmouth College, Hanover, N. H., a corporation of New Hampshire
Application April 27, 1936, Serial No. 76,511
2 Claims. (Cl. 88—20)



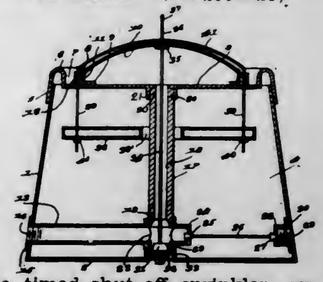
1. Apparatus for testing the eyes of a person for dioptric defects comprising means for holding two lens units before the respective eyes, means for substantially fixing the distances of said holding means from the eyes, and a set of lens units fitting said holding means for insertion thereinto, said set including several groups of lens units, the units of each group having one spherical surface and a torical second surface respectively, said surfaces being curved to effect the same power in one lens meridian of each unit of the group and powers stepped in certain prescription values in meridians normal to said first meridians, said powers in said first meridians being for different respective groups stepped in certain prescription power values, all units having the same thickness, the same surface curvatures of said first surfaces and means for equally distancing said second surfaces of said units from said holding means, any unit pair, if placed in said holding means with the second surfaces at said equal distances from from the eyes, providing spherical and cylindrical dioptric power effects constituting one of a series of ocular trial corrections, whereby any lens unit pair selected from said series as representing the desired dioptric correction of the eyes substantially excludes undesirable changes of the relative size of the ocular images.

2,149,898
VALVE LUBRICATING SYSTEM
John V. Pagliaroni, Clawson, Mich., assignor of one-half to Mildred A. Hund, Grosse Pointe Park, Mich., and one-fourth to Joseph Halter, Detroit, Mich.
Application October 29, 1936, Serial No. 108,143
7 Claims. (Cl. 184—6)



1. Lubricating apparatus for an automotive vehicle having an engine with an intake manifold providing a source of suction, comprising a cylindrical container adapted to contain a quantity of lubricant, a pump chamber within said container having a check valve controlled inlet opening into said container and an outlet adapted to be connected to elements to be lubricated, a piston slidable in said container, a plunger slidable in said chamber and connected to said piston for actuation thereby, spring means for moving said plunger and piston in a direction to draw lubricant from the container into said chamber, means for connecting the container on one side of said piston with the source of suction or with the atmosphere selectively, and means on the other side of said piston constantly connecting the container with the atmosphere.

2,149,899
TIMED SPRINKLER
Anton W. Pfeffer, Spokane, Wash.
Application February 1, 1938, Serial No. 188,084
12 Claims. (Cl. 299—25)

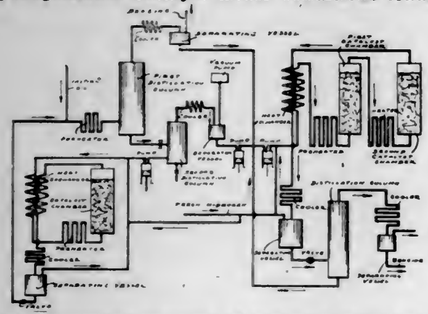


1. In a timed shut-off sprinkler, an annular hollow body forming a reservoir float chamber and having a bottom wall forming a base and a top wall having a sprinkler rose extending thereover, said top wall having an annular receiving well surrounding said rose and adapted to be fed from the spray, a timing valve in said well controlling delivery of water therefrom to said float chamber, a water ingress pipe extending from the periphery of said hollow body into the latter, a valve pipe extending substantially vertically in said body and juncturing with said ingress pipe to receive water therefrom and said valve pipe extending to and discharging through said top wall under said rose, said valve pipe having a valve seat above the juncture of said ingress pipe and extending below said juncture to form a dead flow valve well, a valve closure in said valve well adapted to coact with said valve seat and having a stem extending longitudinally in said valve pipe and through said rose and provided with a lost motion loop above said rose, and a valve actuating float in said float chamber having a bail with the limbs thereof extending slidably through said top wall and the bight portion extending above and across said rose and through said loop to permit of a limited ascent of said float before said bail actuates said valve stem to lift said valve closure.

2,149,900
PRODUCTION OF VALUABLE LIQUID HYDROCARBONS
Mathias Pier, Heidelberg, Walter Simon, Ludwigshafen-on-the-Rhine, and Ernst Donath, Mannheim, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application November 12, 1934, Serial No. 752,706
In Germany November 18, 1933
1 Claim. (Cl. 196—53)

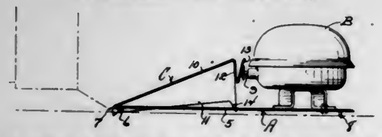
The process of producing a liquid hydrocarbon product of substantially lower boiling point from an unhydrogenated liquid carbonaceous material containing high molecular substances of the nature of pitch, asphalt, resins and similar substances which impair the activity of a destructive hydrogenation catalyst which comprises subjecting said unhydrogenated material to distillation under atmospheric pressure to the extent that this is possible without decomposition of the material and completing the distillation under reduced pressure, said distillation effecting a sepa-

ration of the material into an overhead fraction free from said high molecular substances and a pitchy residue, destructively hydrogenating said overhead fraction by passing it in the vaporized state together with a gas comprising free hydrogen under elevated pressure over a destructive hydrogenation catalyst under conditions leading



to a substantial splitting of higher boiling hydrocarbons in said overhead fraction into hydrocarbons boiling within the gasolene range, subjecting the pitchy residue to catalytic destructive hydrogenation and returning the product obtained in the last mentioned hydrogenation to the initial distillation step.

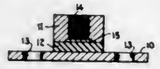
2,149,901
BURGLAR ALARM
George Peterse, Sr., Englewood, N. J.
Application December 20, 1937, Serial No. 180,891
3 Claims. (Cl. 116—82)



1. A door operated burglar alarm comprising an elongated flat base plate to be placed on the floor and extended longitudinally adjacent to the lower edge of a door, said base plate having floor engaging prongs at its end remote from the door, a signal device mounted on said remote end portion of the base plate, said signal device having a normally projected depressible actuating element, and a channeled wedge element hingedly attached at its apex end portion to the inner end of said base plate transversely thereof, said wedge element terminating with its base end adjacent said signal device and having an end wall rebent upwardly to provide a cam portion engaging the actuating element whereby to support said wedge element in raised position, the longitudinal side flanges of said wedge element straddling the base plate whereby to move into contact with the floor and support the wedge element independently of said base plate when the door is moved upon the inclined body portion of said wedge element.

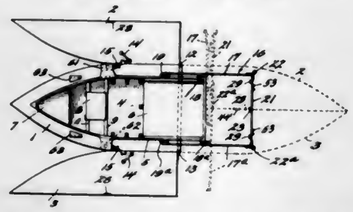
2,149,902
METHOD OF MAKING VIBRATION INSULATORS
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application April 4, 1931, Serial No. 527,756, now Patent No. 2,047,493, dated July 14, 1936. Divided and this application June 9, 1936, Serial No. 84,318
2 Claims. (Cl. 29—148)

1. The method of making vibration insulators which comprises forming threaded apertures in a metal strip of indefinite length, inserting a closure member in one end of each of said apertures, assembling said strip with a wider strip of metal and an intervening layer of rubber, the latter adjoining that face of the first mentioned



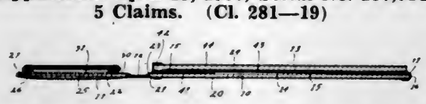
strip which includes the aperture closures, uniting the metal strips by vulcanizing the rubber therebetween, severing the composite structure into individual units of relatively short length, and then drilling the wide strip of the individual units.

2,149,903
PORTABLE BOAT
Will E. S. Thompson, Flagstaff, Ariz.
Application August 22, 1934, Serial No. 740,999
13 Claims. (Cl. 9—2)



7. A boat comprising a body of a rigid non-collapsible stern portion and two float members, said float members being hinged to opposite sides of the front portion of the rigid non-collapsible portion and adapted to be swung together in the same plane as the rigid noncollapsible portion of the boat to form a bow portion of said boat.

2,149,904
PAD-A-MONTH DESK CALENDAR
John P. Wege, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application April 15, 1937, Serial No. 137,014
5 Claims. (Cl. 281—19)

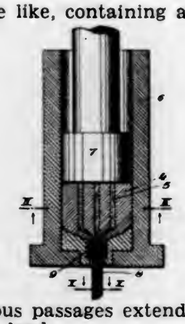


3. A desk pad comprising a base, a pocket therein, a pad of sheets bound along one edge, a tab bound with said sheets engageable in said pocket, a cover hingedly secured to said base, a heavy metal plate embedded in said cover, said cover covering a portion of said pad and leaving a substantial portion thereof exposed.

2,149,905
LEAD FOR PENCILS, COLOR PENCILS, COPYING PENCILS, OR THE LIKE AND PROCESS FOR MANUFACTURING THE SAME
Richard Zückert, Bohmisch-Budweis, Czechoslovakia, assignor to the firm "Koh-i-noor" tužkárna L. & C. Hardtmuth, Ces. Budejovice, Czechoslovakia
Application May 20, 1937, Serial No. 143,848
In Germany May 30, 1936
4 Claims. (Cl. 120—83)

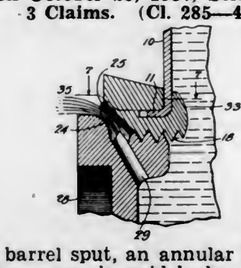
1. A lead for pencils, color-pencils, copying

pencils and the like, containing artificially pro-



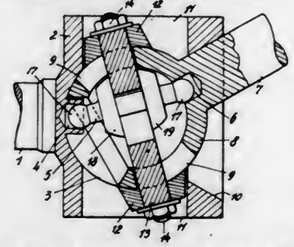
duced continuous passages extending parallel to the axis of the lead.

2,149,906
BARREL SPUT
Leon M. Bell, Portsmouth, Ohio
Application October 29, 1937, Serial No. 171,791
3 Claims. (Cl. 285—49)



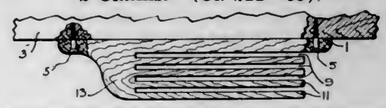
1. In a barrel sput, an annular body member, an annular recess in said body member, a deformable projection on said body member adjacent said annular recess, projections within said recess so arranged as to arrest the movement of the upstanding portion of an open flanging of a barrel into said recess, whereby said flanging may be forced into said recess and against said projections and into the spaces between projections where it is held firmly in place under compression by said deformable projection, said flanging exerting a strong force against said deformable projection because of its inherent resiliency, said projections within said recess holding said sput against rotation.

2,149,907
UNIVERSAL JOINT
Fritz Briese, Soest, Germany, assignor to Otto Steffen, Apparatebau, Soest, Germany
Application November 5, 1937, Serial No. 172,916
In Germany November 5, 1936
8 Claims. (Cl. 64—21)



1. In a ball joint, in combination with a shaft having one of its ends formed as a ball-socket and a second shaft having one of its ends formed as a ball engaging the ball-socket in said first shaft, a link disposed with its ends in the said two shaft ends, and a drive transmitting member controlled by said link and passing diametrically through slots in said ball and provided with sliding members peripherally engaging said ball so as to guide said drive transmitting member with respect to said ball and ball-socket whereby said drive transmitting member can oscillate only about the center point of said ball.

2,149,908
GARMENT HANGER
Nina L. Poole, Riverside, Calif.
Application June 2, 1937, Serial No. 145,961
2 Claims. (Cl. 211—89)



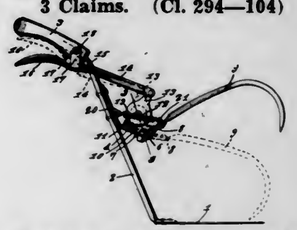
1. An integrally formed garment hanger comprising a horizontally disposed elongated base having a bracket projecting outwardly from one end portion thereof, and a plurality of spaced and parallel bars having their axes in a horizontal plane and parallel with the axis of said elongated base for providing slots therebetween, said bars being arranged in a horizontal plane and having one end adapted to be supported by said bracket.

2,149,909
GEAR LAPPING MACHINE
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 23, 1935, Serial No. 41,802
15 Claims. (Cl. 51—157)



7. Guide means for controlling the relative rotative positions of two relatively reciprocable members, comprising a tongue and groove connection between said members, and means whereby the ratio of the width of the tongues to the width of the cooperating grooves of said connection may be increased to eliminate clearance therebetween.

2,149,910
CULINARY IMPLEMENT
Roy Clow, Ann Arbor, Mich.
Application October 25, 1938, Serial No. 236,954
3 Claims. (Cl. 294—104)



1. A culinary device comprising a head in the form of a substantially rectangular shaped blade, a shank secured to and rising from said head,

a handle on the upper end of said shank, a bracket secured to said shank, a fork including penetrating tines and pivoted to said bracket for cooperation with said head to set up a grasping action, a spring connected to the bracket and fork, a gear segment on the fork, a gear segment on the bracket and the teeth thereof meshing with the teeth of the first segment, hand gripping means pivoted to the handle and linked to the gear segment on the bracket for cooperation with the spring for moving the tines toward and away from the head.

2,149,911

GOLF CLUB GRIP

James Victor East, Longmeadow, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a corporation of New Jersey

Application May 25, 1935, Serial No. 23,497
1 Claim. (Cl. 273—81)



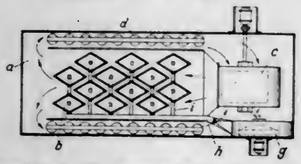
A golf club having a head and a shaft with a substantially uniformly tapering grip, the major portion of the cross sectional contour of which is circular at all points throughout substantially the whole of the intermediate, or normal, hand engaging part of the grip, and having another section of said contour provided with a rib formed by converging portions substantially tangential to said circle, said point of convergence being located on the under side of the grip, and said contour including a third substantially flat faced section which is located at the back of the grip and extends for a substantial extent lengthwise of the grip.

2,149,912

METHOD FOR THE MANUFACTURE OF CLEAR ICE

Johann Fuss, Netzschkau in Vogtland, Germany, assignor to Netzschkauer Maschinenfabrik Franz Stark & Söhne, Netzschkau in Vogtland, Germany

Application April 20, 1938, Serial No. 203,035
In Germany April 20, 1937
2 Claims. (Cl. 62—172)



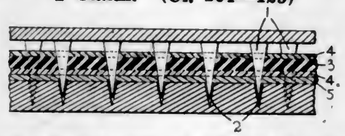
1. A method of generating clear ice in ice generators operating with air as cold carrier, comprising the steps of blowing dried air cooled to a low temperature along ice cans for generating ice, blowing dried air cooled to a low temperature through freezing water in said ice cans, mixing the air leaving said cans again with the air serving as carrier of cold and finally drying and cooling said air again to a low temperature.

2,149,913

PERFORATED FABRIC

Clinton Deitz Gilpin, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 21, 1938, Serial No. 203,410
1 Claim. (Cl. 164—125)



In the manufacture of perforated rubberized fabric by passing perforating pins through said fabric into complementary cavities contained in a perforating die, the steps which comprise inserting between said pins and die a rubberized fabric sheet and a loose sheet of paper, and passing the perforating pins through both of said sheets into the cavities of the die.

2,149,914

COATING COMPOSITIONS

Oswald H. Greager and Gordon D. Patterson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 15, 1935, Serial No. 21,692
12 Claims. (Cl. 134—39)

1. A metal-protective coating composition comprising 50% to 80% by volume of an oil type vehicle, rust-inhibitive lead pigment in amount of at least 2% by volume, and flake extender in amount not less than 15% by volume, all of said amounts being based upon the total paint solids.

2,149,915

COATING COMPOSITIONS

Oswald H. Greager and Gordon D. Patterson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 15, 1935, Serial No. 21,693
10 Claims. (Cl. 134—39)

1. A metal-protective coating composition comprising 50% to 80% by volume of an oil type vehicle, rust-inhibitive chromate pigment in amount of at least 2% by volume, and flake extender in amount not less than 15% by volume, all of said amounts being based upon the total paint solids.

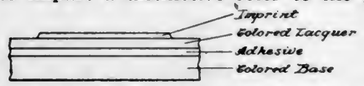
2,149,916

DECALCOMANIA

Ferdinand W. Humphner, Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company, a corporation of Delaware

Application August 7, 1935, Serial No. 35,174
1 Claim. (Cl. 41—33)

A decalcomania paper comprising a water-leaf backing sheet containing dye in sufficient quantity to impart a distinctive color to the paper,



and a coating of adhesive thereon adapted to take decalcomania printing.

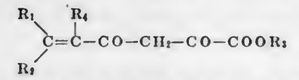
2,149,917

SELECTIVE EXTRACTION OF ROTENONE BY CERTAIN ESTERS

Lowell B. Kilgore, Washington, D. C., assignor to Kilgore Development Corporation, Washington, D. C., a corporation of Virginia

No Drawing. Application April 24, 1936, Serial No. 76,293
8 Claims. (Cl. 167—24)

1. A process which comprises the extraction of rotenone and other compounds having insecticidal properties from rotenone bearing plants by means of an ester belonging to the class of organic compounds knowns as δ,ϵ-unsaturated-α,γ-diketo carboxylic esters of the general formula,



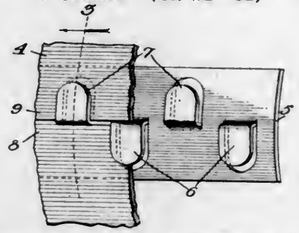
wherein R_1 and R_2 are the same or different organic radicals or respectively one organic radical and one hydrogen atom, R_4 is an alkyl radical or a hydrogen atom and R_3 is any organic radical forming an ester of the carboxyl group.

2,149,918

SHEET SECURING MEANS

Joseph Komorous, Riverside, Ill., assignor to Parisian Novelty Company, Chicago, Ill., a corporation of Illinois

Application August 16, 1937, Serial No. 159,446
5 Claims. (Cl. 24—81)



1. Securing means for sheet edges comprising a strip member, series of tongues at a face thereof with the bases of said tongues in substantial alinement lengthwise of the strip member, one of said series of tongues extending outwardly toward one lateral edge of said strip member and the other of said series of tongues extending outwardly toward the opposite edge of said strip member.

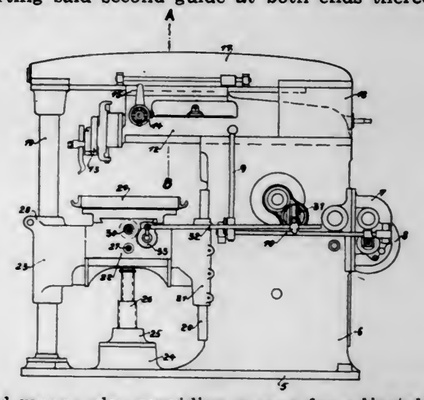
2,149,919

SHAPING MACHINE

Emil Krenzler, Wuppertal-Barmen, Germany

Application April 28, 1937, Serial No. 139,594
In Germany April 25, 1936
3 Claims. (Cl. 90—38)

1. In a high speed shaping machine having a ram mounted for sliding movement over the work upon a guide formed on an upper surface of said machine, said guide having a sliding engagement with the under surface of said ram, tool mounting means carried by one end of said ram, a second guide parallel to said first guide, said tool mounting means and said guides all being in vertical alinement to prevent yielding of said ram in an upward direction during the cutting stroke thereof, means on said machine supporting said second guide at both ends thereof,



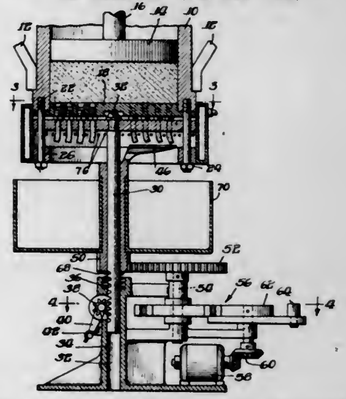
said means also providing means for adjustably mounting said work beneath said ram, an elongated boss formed on said ram, said boss being formed to provide a groove therein, said groove engaging said second guide to provide a supplementary support and guide for said ram.

2,149,920

EXTRUSION DEVICE

Frank P. Kretchmer, Chicago, Ill.

Application August 14, 1937, Serial No. 159,129
16 Claims. (Cl. 107—14)



2. In an extrusion device, a die, means for forcing a plastic material through said die from one side thereof to provide an extruded section of plastic material, and an apertured plate spaced from the said die on the other side of said die to guide the section of material extruded thereby, the aperture in said plate being in alignment with the die aperture and having its edges engaging the material extruded from the die aperture for aligning the extruded section.

2,149,921

CONE TYPE CENTRIFUGAL PUMP

Edward S. Lea, Morrisville, Pa., assignor to George Von Seebeck, New York, N. Y.

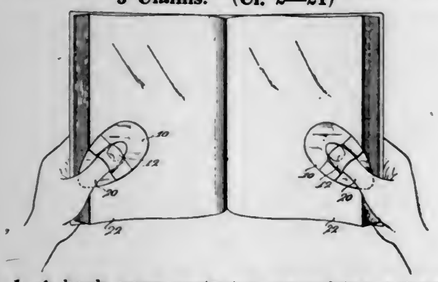
Application August 13, 1936, Serial No. 95,831
7 Claims. (Cl. 103—99)

1. A multiple pumping cone including a hub portion adapted to receive a vertical drive shaft,

radially projecting axially extending tapered vanes on the hub, an axially elongated cone having a portion to fit over said vanes, radially projecting axially extending tapered vanes on the lower end of said cone and a second cone of lesser axial length including a portion to fit over the vanes of the first cone, said second cone having a plurality of water trapping vanes on its upper surface extending inwardly from the periphery thereof, rearwardly of the radii of the cone and then curving forward whereby water is guided between the vanes without violent impact thereagainst and is slung violently from the periphery of the cone.

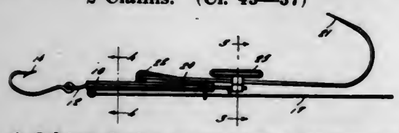


2,149,922
BOOK PAGE PROTECTOR
Elias E. Lemire, Cloquet, Minn.
Application May 31, 1938, Serial No. 211,052
3 Claims. (Cl. 2—21)



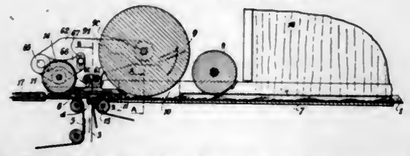
1. A book page protector comprising a transparent pad, and means cooperable with the pad for attaching the latter to a reader's thumb, with the pad lying against the palm side of the thumb, said pad being of considerably larger area than the palm side of the thumb.

2,149,923
FISHING DEVICE
Jennie J. Martin, St. Ignace, Mich.
Application June 22, 1938, Serial No. 215,259
2 Claims. (Cl. 43—37)



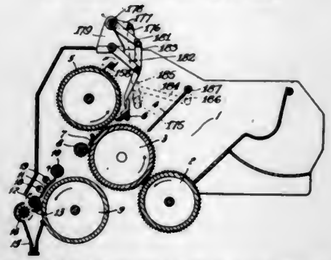
1. A fishing device comprising a casing, means on said casing for securing the latter to a fishing line, a trigger element slidable in said casing and having its ends exposed and having a fishing hook secured to one end thereof, a jabbing means hingedly mounted on said casing, spring means acting on said jabbing means to drive the latter into a fish when the latter takes the fishing hook into its mouth with a pull, and a chip slidable on said jabbing means with a frictional fit to engage with the trigger for releasably securing the jabbing means in a position away from the fishing hook.

2,149,924
TOBACCO MANIPULATING MACHINE
Walter Everett Molins, Deptford, London, England; Harold Bernardo Molins and Moses Hyman Isaacs, executors of said Walter Everett Molins, deceased, assignors to Molins Machine Company Limited, London, England
Application March 22, 1935, Serial No. 12,498
In Great Britain March 23, 1934
5 Claims. (Cl. 131—43)



1. In apparatus for forming a continuous tobacco filler rod, a first conveyor having a relatively smooth surface for feeding tobacco particles in a stream, a second conveyor having a relatively smooth surface to continue the feeding of the stream at a linear speed less than that at which it is fed by the first conveyor, the relative speeds of said conveyors being such that the greater velocity of the tobacco particles on said first conveyor will cause the same to compact on slower moving particles, and a passage through which the stream is fed, having a generally uniform transverse sectional area and in which a continuous tobacco filler rod is formed by the axial compacting of the tobacco in the passage to a substantially constant cross-section which is determined by the confining walls of the passage, said passage being of sufficient length to extend on either side of the point of compacting of the stream as measured axially.

2,149,925
METHOD OF AND APPARATUS FOR FEEDING TOBACCO TO CIGARETTE-MAKING OR TOBACCO-PACKAGING MACHINES
Walter Everett Molins, Deptford, London, England; Harold Bernardo Molins and Moses Hyman Isaacs, executors of said Walter Everett Molins, deceased, assignors to Molins Machine Company Limited, London, England
Application June 25, 1935, Serial No. 28,348
In Great Britain July 20, 1934
24 Claims. (Cl. 131—39)

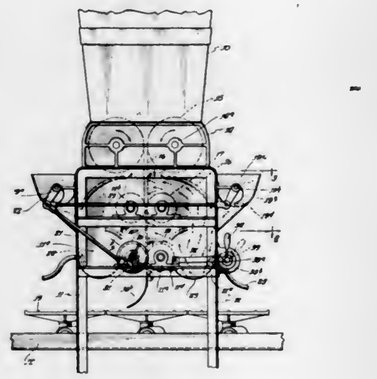


1. A method of forming a tobacco carpet which comprises the steps of showering tobacco particles downwardly, intercepting the showered particles and conveying the same laterally at a rate sufficient to form a stream having a depth much less than that desired in the completely formed carpet, and retarding the movement of the stream to cause the trailing particles to impact on the leading particles while confining the stream against appreciable lateral expansion, the extent of retardation of the stream being sufficient to build up a tobacco carpet of the desired depth.

2,149,926
CHLORINATED RUBBER PRODUCT
Joseph Grange Moore, Runcorn, and Leonard Thane Dod, Great Crosby, Liverpool, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 8, 1937, Serial No. 178,824. In Great Britain December 15, 1936
2 Claims. (Cl. 106—23)

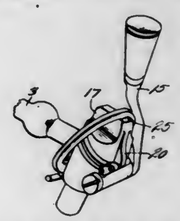
1. A new composition of matter comprising a chlorinated rubber, containing more than 55 per cent of chlorine, in admixture with a chlorinated rubber, containing between 2 and 20 per cent of chlorine.

2,149,927
MATERIAL-TREATING MACHINE
Sidney H. Pellar, Chicago, Ill.
Application January 16, 1937, Serial No. 121,005
5 Claims. (Cl. 107—12)



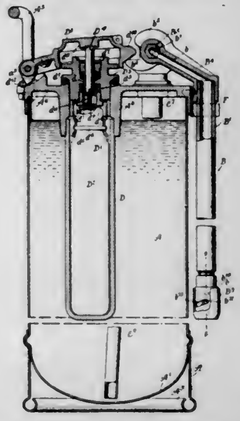
1. In a material treating machine comprising a housing having means to feed a sheet of plastic material downwardly through the same, means to powder the surfaces of said material and including containers outside the ends of the housing for the powdered substance, rock shafts in the containers, cranks carried by one of the ends of the rock shafts, a cross bar linking the cranks for joint motion, an element imparting oscillating motion to the cranks, a sweep member carried by each rock shaft and operable along the bottom of the related container, the latter having perforations for the passage of the powdered substance into the housing from the agitation of the sweep member, and other means to direct the substance falling into the housing against the sides of the material sheets.

2,149,928
FAUCET
Frederick C. Picut, Newark, N. J., assignor to Economy Faucet Co., Newark, N. J., a corporation of New Jersey
Application July 12, 1938, Serial No. 218,859
7 Claims. (Cl. 251—156)



1. A sectional body faucet having angularly disposed branch intake and discharge portions and a chamber therein, a valve seat in the bottom of said chamber, a spring actuated valve unit cooperating with said seat, means for unseating the valve unit, said valve seat being carried by a main body section, a hinged body section angularly engaging the main body section and extending diagonally across the axis of the intake and discharge portions of the main body portion, said hinged section being hingedly connected to the main body portion at its forward side and an endless clamping yoke extending around the hinged section and a portion of the main body portion at a right angle to the engaging surfaces thereof.

2,149,929
SPRAYING DEVICE
James C. Plastaras, Laurelton, N. Y., assignor to Wil-X-M'f'g Corporation, a corporation of New York
Application August 23, 1934, Serial No. 741,028
23 Claims. (Cl. 169—31)



1. A spraying device including, in combination, a closed container for liquid, a discharge nozzle pivotally mounted on the container, and arranged to extend longitudinally thereof when inoperative and laterally thereof when operative, a connection between the interior of the container and the nozzle, a cartridge containing fluid under pressure and mounted independently of the nozzle so as to facilitate its renewal after use without removing the nozzle from the container, means for puncturing the cartridge, a connection

between the cartridge and the interior of the container to permit fluid from the cartridge when punctured to build up a pressure in the container and thereby effect the discharge of fluid therefrom, and means controlled by the nozzle for preventing operation of the puncturing means when the nozzle is in inoperative position and for operating said puncturing means when the nozzle is moved to operative position.

21. A spraying device including, in combination, a container for liquid, a head closing the container at the top, a discharge nozzle pivotally mounted on the container head and arranged to extend longitudinally of the container when inoperative and laterally thereof when operative, a high pressure chamber within the container housing a replaceable cartridge containing fluid under pressure, means in the container head giving access to the high pressure chamber and removable independently of the nozzle to facilitate the removal and replacement of the cartridge, a puncturing device for the cartridge, connections between the high pressure chamber and the container and between the container and the discharge nozzle, and means for automatically operating the puncturing device when the nozzle is moved to operative position.

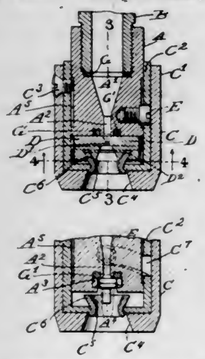
2,149,930

NOZZLE FOR SPRAYING DEVICES

James C. Plastaras, Laurelton, N. Y., assignor to Wil-X-M'f'g Corporation, a corporation of New York

Original application August 23, 1934, Serial No. 741,028. Divided and this application October 19, 1936, Serial No. 106,329

1 Claim. (Cl. 299—132)



A nozzle including, in combination, a body portion having a passageway for liquid with a discharge opening of one configuration, a pair of elements mounted in grooves formed in said body portion and movable transversely of said opening to effect changes in the configuration thereof, a pair of inclined slots in said elements, a member arranged outside the body portion and having a passageway for liquid in alinement with the passageway in the body portion, circular means mounted on said member and formed with an inclined wall extending into said slots, and arranged to separate said elements as the member is moved longitudinally of the body portion in one direction and to move said elements together as the member is moved in the opposite direction, and an inclined slot in said member adapted to cooperate with a pin in the body portion whereby longitudinal movement is imparted to said member as it is rotated with respect to the body portion.

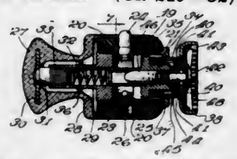
2,149,931

CIGAR LIGHTER

John Sinko, Chicago, Ill.

Application May 2, 1936, Serial No. 77,581

8 Claims. (Cl. 219—32)



1. In a cigar lighter: a round tubular socket member forming one terminal for a withdrawable plug member and having in its base another terminal; and a withdrawable igniter plug comprising a hollow body having a grooved ferrule at its front end and provided with outwardly extending longitudinal ribs adapted to fit into said socket, an igniting unit detachably mounted with projections engaging the grooves in said ferrule at the front end of said body and provided with a heating element adapted to be connected in series with said socket terminals and be heated to incandescence, said unit having rearwardly extending openings to permit light from the incandescent element to shine back between said ribs to the opening in the socket member.

2,149,932

SPRAYING APPARATUS

Richard Zippel, Holzhausen, near Leipzig, Germany

Application December 22, 1936, Serial No. 117,241

In Germany December 23, 1935

3 Claims. (Cl. 299—140.1)



1. A spraying apparatus comprising a main body, control parts in said body, a hinged U-shaped cap on the body opening and closing on the control parts, a spring controlled piston in the cap, said piston having a cup-shaped portion, a nozzle needle in said body actuated by said control parts, said nozzle needle resting in the cup-shaped portion of the piston when the cap is in closed position, locking means in said cap, and means for disengaging the cap locking means and moving said piston away from the nozzle needle at the same time, whereby the cap may be opened without injury to the nozzle needle.

2,149,933

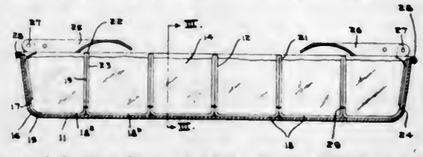
FLEXIBLE ICE TRAY GRID

William B. Anderson, West Springfield, and Jules N. Saler, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 24, 1936, Serial No. 76,232

8 Claims. (Cl. 62—108.5)

1. A grid for dividing a substantially rigid metal pan member into a plurality of ice containing cells, said grid being formed of flexible sheet metal and embodying a flexible bottom wall member formed of a single thickness of said sheet metal and a plurality of transverse wall members extending vertically from the bottom wall member and being formed of a double thickness of said sheet metal and means cooperating with the ice in said cells for preventing upward flexing of said grid when force is applied to an end thereof in an upward direction, said grid being flexible in other directions.



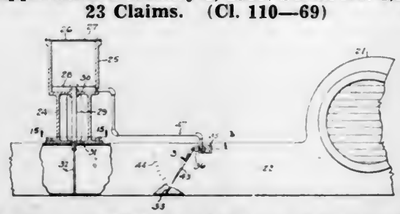
2,149,934

AIR FLOW CONTROL FOR UNDERFEED STOKERS

Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.

Application February 4, 1935, Serial No. 4,945

23 Claims. (Cl. 110—69)



1. In an underfeed stoker a combination of an air supply duct having means for supplying air thereto, a main control damper disposed within said duct and movable to increase or decrease the resistance of flow of air through the duct, a pneumatic actuator for said main control damper, a pilot vane responsive to velocity of flow of air and located within said duct between said air supplying means and the main control damper, an air pipe extending from said pneumatic actuator to the interior of said air duct and having an intake opening facing in the direction of said air supplying means and a valve actuated by said pilot vane for controlling the flow of air through said air pipe to said pneumatic actuator, whereby an increase of velocity of air past the pilot vane will cause the valve to lessen the flow of air through the air pipe so the actuator will move the main damper to restrict the flow of air to the stoker, thus maintaining a uniform volume of air flow to the stoker.

2,149,935

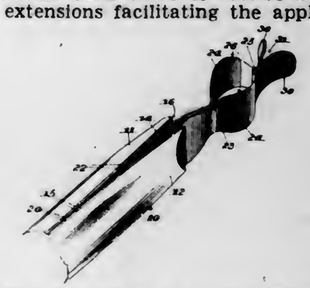
CANE STRIPPER

James D. Chambless, Bronwood, Ga., assignor to Carolyn Chambless Lowrey, Dawson, Ga.

Application July 9, 1937, Serial No. 152,853

1 Claim. (Cl. 130—31)

A cane stripper comprising a handle having an outwardly diverging kerf at one end, a pair of blades having shanks received by the kerf and secured to said handle at points adjacent the other end of said handle, said shanks being formed of spring metal and lying in contact at points with each other, the outer faces of the shanks being spaced from the kerf to permit said shanks to be moved outwardly from each other, a semi-circular cutter projecting from each shank, an outwardly flared extension projecting from each blade, the cutters being bowed outwardly from each other to receive a stalk, the flared extensions facilitating the application of the cutters to a stalk, a portion of each shank substantially within the kerf being bowed outwardly for maintaining the cutters in operative relation, the shanks being in contact at points just inwardly of the cutters.



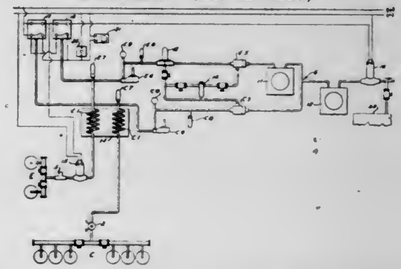
2,149,936

FUMIGATION SYSTEM

Earl P. Collins, Little Neck, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

Application April 2, 1936, Serial No. 72,262

6 Claims. (Cl. 21—108)



3. A fumigation system of the type employing a mixture of a plurality of fluids including flammable and non-flammable components, which comprises a separate source for each fluid component, conduits from each source to a common mixing point, pressure reducing regulators in each conduit, means in the low pressure side of each conduit adapted to maintain volume flow of each fluid in predetermined relative non-flammable proportions, a conduit from said common mixing point to the fumigating zone, and valve means in said latter conduit operative automatically to prevent all fluid flow when any one component ceases to flow.

2,149,937

ABSORPTION MEDIUM

Michael J. Copley, Urbana, Ill., assignor to Glenn F. Zellhoefer, Normal, Ill.

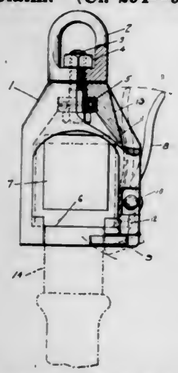
No Drawing. Application February 16, 1938, Serial No. 190,702

10 Claims. (Cl. 252—5)

1. A working fluid for an absorption refrigerating system, comprising a volatile hydrogen-containing halogenated aliphatic hydrocarbon as a refrigerant and an ester of a phosphoric acid and low molecular weight aliphatic alcohols as the absorbent.

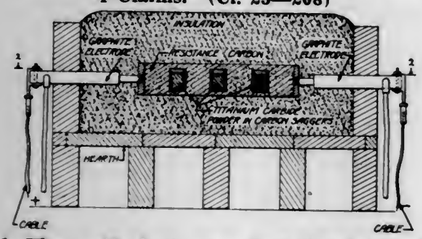
10. A working medium for an absorption refrigerating system comprising methylene chloride and triethyl phosphate.

2,149,938
ELEVATOR
John M. Hickman, Oklahoma City, Okla., assignor to Carson Machine & Supply Co., Oklahoma City, Okla., a corporation of Oklahoma
Application March 19, 1936, Serial No. 69,620
1 Claim. (Cl. 294—91)



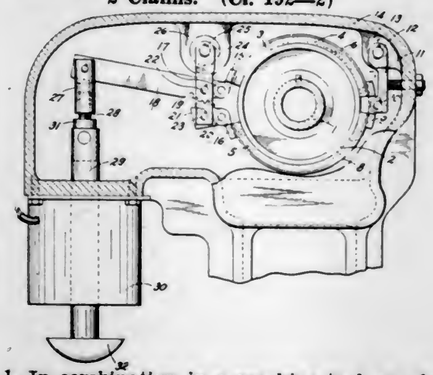
An elevator comprising a housing having a downwardly flared top and having a bottom and side walls, a clevis, said clevis and top having aligned openings, connecting means working through said openings, a thrust bearing mounted on the lower end of said connecting means rotatably supporting the housing, said top forming a shield and the bottom having an opening provided with a surrounding seat and having a side gate merging into the bottom opening to permit the entrance of an object to be handled, the rear wall of the housing having an opening for access to the inside of the housing, a latch pivoted on the outer wall of the housing and having a lateral projection arranged, when in active position, to restrict the gate to prevent the displacement of the object held by the elevator, a handle on the latch and yieldable means carried by the latch arranged to normally hold the latch in active position and to permit retraction of the latch to inactive position.

2,149,939
CRYSTALLINE GRANULAR TITANIUM CARBIDE AND METHODS OF MAKING SAME
Charles J. Kinzie and Donald S. Hake, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
Application May 8, 1936, Serial No. 78,558
4 Claims. (Cl. 23—208)



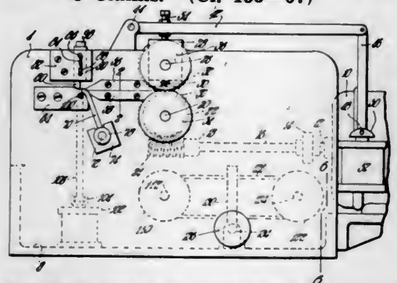
1. The method of converting ilmenite mixed with coke into a friable essentially crystalline and chemically reactive titanium carbide, which comprises placing said mixture of ilmenite and coke in equal parts by weight to form the charge within a carbon container wholly surrounded by resistance carbon acting substantially as the heat-producing resistor, but substantially mechanically separated therefrom, and then heating said separated charge enveloped in an insulating mix in an electric resistance furnace by the temperatures mainly developed in the resistor surrounding the charge with substantial decomposition of the charge into said crystalline carbide, and then removing the metallic iron formed.

2,149,940
BRAKE AND CONTROL THEREFOR
Oskar Kylin, Cleveland Heights, Ohio, assignor to Bardons & Oliver, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 4, 1937, Serial No. 140,745
2 Claims. (Cl. 192—2)



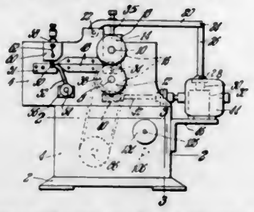
1. In combination in a machine tool, an electrically operated spindle brake, a control shaft adapted to control the rotation of said spindle and having on and off positions, a control lever, means for connecting said lever to said shaft, means for permitting movement of said lever in a direction axially of said shaft, switch means for controlling said electric brake, and an operating button for said switch disposed at the off position of said lever whereby movement of said lever axially of said shaft when in the off position may move said button and operate said switch.

2,149,941
COILING MACHINE
George M. Prentice, Holyoke, Mass., assignor to White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts
Application June 6, 1938, Serial No. 212,147
5 Claims. (Cl. 153—67)



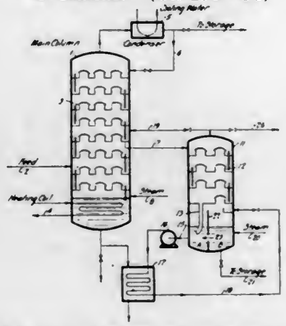
1. A coiling machine comprising in combination, a pair of feed rolls for feeding a wire, a coiling means for receiving said wire from said feed rolls and forming same into a coil, a means for cutting off successive coils, a means for controlling the operation of said feed rolls, and a means controlling the operation of said cutting off means, all adapted and arranged whereby said cutting off means operates when a coil of predetermined length has been formed.

2,149,942
COIL FORMING MACHINE
George M. Prentice, Holyoke, Mass., assignor to White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts
Application August 31, 1938, Serial No. 227,799
8 Claims. (Cl. 153—67)



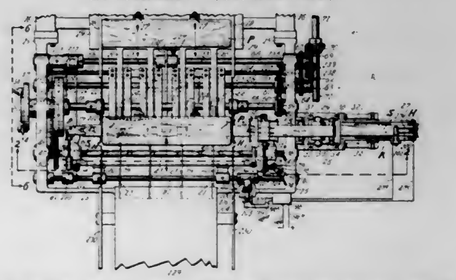
1. The combination in a machine for winding successive coils from wire comprising, cooperating rolls for feeding wire relatively movable between feeding and non-feeding position, means for maintaining said rolls in feeding relation including a solenoid, a drive shaft for said feed rolls, means for receiving wire from said feed rolls and forming the same into a coil, means for cutting off successive coils therefrom including a solenoid, separate circuits for said solenoids, and means for alternately opening the said circuits so that the solenoids operate to permit the feed rolls to assume non-feeding positions while the cutting means is operated, including a shaft operatively connected to said drive shaft through a reversing mechanism, and a switch mechanism for said circuits operated by reversal of rotation of said shaft.

2,149,943
FRACTIONATING METHOD
Johannes Hendrik Willem Rost van Tonningen, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 23, 1935, Serial No. 55,736
In the Netherlands January 4, 1935
3 Claims. (Cl. 196—94)



1. In the process of fractionally distilling a liquid mixture by means of a fractionating column, the steps of withdrawing a portion of said mixture from the column intermediate its highest and lowest points, introducing the withdrawn portion into a secondary column, subjecting it therein to redistillation to produce a vapor fraction consisting of the most volatile components and a liquid fraction consisting of heavy components and containing a small amount of volatile components, maintaining two pools of liquid at the bottom of the secondary column, allowing the liquid descending through the secondary column to collect in the first pool, preventing any of the liquid collected in the first pool from passing directly to the second pool, withdrawing from the secondary column a portion of the liquid collected in the first pool, heating the withdrawn portion to a temperature above that of the feed to the secondary column, returning the heated portion to the vapor space above the second pool, flashing off the volatile components contained in the heated portion, returning said components to the main fractionating column together with the vapor fraction formed in the secondary column, allowing the heavy components of the heated portion to collect in the second pool, and withdrawing a portion of the liquid in the second pool from the system.

2,149,944
STRIP SEALER FOR WRAPPING MACHINES
Anton Van Veen, West Hartford, Conn., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application November 29, 1935, Serial No. 52,023
27 Claims. (Cl. 216—29)

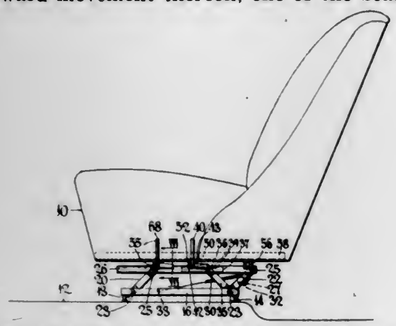


1. In a strip sealer, the combination with means for supporting in an upright position at a sealing station a package having a bottom seam and end folds in its wrapper, of mechanism for applying a strip of sealing material over said bottom seam and end folds only, to seal the same, said mechanism comprising devices for feeding an adhesive sealer strip lengthwise relatively to said folds, and devices for pressing said strip against the folds.

2,149,945
MOUNTING FOR SEAT STRUCTURES
Le Grand S. Whedon and Albert A. Grinnell, Medina, N. Y., assignors, by mesne assignments, to Le Grand S. Whedon, Medina, N. Y.
Application August 27, 1935, Serial No. 38,107
5 Claims. (Cl. 155—14)

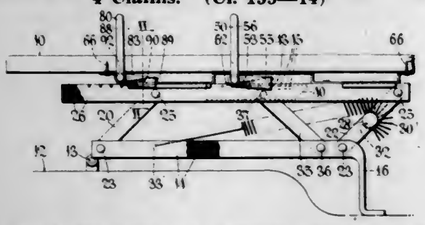
2. In a seat structure, a seat bottom, bracket members secured to the forward and rearward portions of the seat bottom adjacent opposite sides of the latter, said bracket members having parallel substantially vertical walls adjacent forward and rearward portions of the seat bottom, parallel frame guide members arranged adjacent opposite sides of the seat bottom and extending forwardly and rearwardly underneath the latter, the parallel vertical walls of the brackets adjacent each side of the seat bottom slidably engaging opposite sides of one of the guide members both forwardly and rearwardly thereof,

bracket portions both forwardly and rearwardly of the seat bottom extending underneath portions of the guide member adjacent each side of the seat bottom, bearing members mounted in the bracket members and supporting the seat bottom upon the guide members for forward and rearward movement thereon, one of the bearing



members having a lever extension and being pivotally carried in one of the guide members, a locking arm rigid with said lever extension, one of the guide members and said arm having interengaging locking elements for releasably securing the seat bottom in various positions longitudinally of the guide members.

2,149,946
SLIDE AND GUIDE SUPPORT FOR SEAT STRUCTURES
Le Grand S. Whedon and Albert A. Grinnell, Medina, and Raymon E. Rousseau, Buffalo, N. Y., assignors, by mesne assignments, to Le Grand S. Whedon, Medina, N. Y.
Application August 27, 1935, Serial No. 38,108
4 Claims. (Cl. 155—14)



1. In a seat structure, channel frame members disposed beneath the seat structure in substantially horizontal relation and opening downwardly, means for supporting the channel members, a slide disposed longitudinally upon each channel member for forward and rearward sliding action thereon, said slide having upper substantially horizontal sections, a seat frame secured rigidily to the upper sections of the slide, said slide having lower substantially horizontal sections resting slidably upon the upper surface of the channel member, said lower sections having downwardly extending marginal flanges along opposite sides of the channel member and adjacent opposite ends of the slide for preventing lateral displacement from end to end of the slide from the channel member, said slide having portions connecting the upper and lower sections to space the seat structure from the channel members, means for limiting relative sliding movement of each assembly of slide and channel member, and means passing through the space between said seat structure and channel members for selectively holding the slide against sliding movement on the frame member at various positions within the limits of their relative movement.

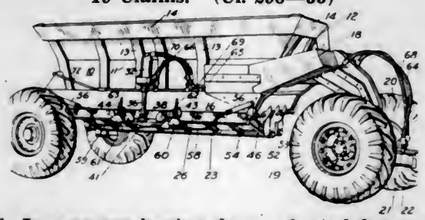
2,149,947
REFRIGERATION
Glenn F. Zellhoefer, Normal, Ill.
No Drawing. Application February 16, 1938, Serial No. 190,727
17 Claims. (Cl. 252—5)

5. A working fluid for an absorption refrigerating system, which includes a refrigerant comprising a relatively volatile, chemically and thermally stable, non-fluorinated halogenated hydrocarbon containing within its structure the dichloromethyl group or radical (—$CHCl_2$), and an absorbent comprising a chemically stable, relatively nonvolatile, nonhalogenated liquid organic compound which contains within its structure a divalent oxygen atom both bonds of which are linked to carbon, said organic compound being capable of combining reversibly with said refrigerant to form a thermally unstable, loose molecular-type of compound.

2,149,948
SOLVENT
Glenn F. Zellhoefer, Normal, and Carl S. Marvel and Michael J. Copley, Urbana, Ill.; said Marvel and said Copley assignors to said Zellhoefer
No Drawing. Application February 16, 1938, Serial No. 190,728
13 Claims. (Cl. 252—5)

1. A working fluid for an absorption refrigerating system, which comprises a relatively volatile chemically and thermally stable hydrogen-containing halogenated hydrocarbon as a refrigerant, and a relatively non-volatile, liquid amide as the absorbent for said refrigerant.

2,149,949
WAGON
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application March 16, 1936, Serial No. 68,987
19 Claims. (Cl. 298—35)

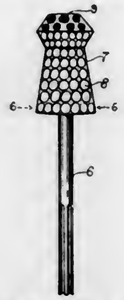


1. In a wagon having doors adapted for opening and closing and latch means for holding the doors in closed position, a pair of jacks and means operatively connecting the rams of the jacks to the doors to permit them to be closed by the jacks and other means actuated by the same jacks for unlatching the doors, a third jack connected to the first named jacks, a braking mechanism operated by the last named jack, and control means whereby fluid from the line supplying the first named jacks may be employed to apply the brakes on the wagon.

2,149,950
DOUBLE ACTION TOOTH BRUSH
Paul M. Axline, East Lansing, Mich.
Application March 1, 1938, Serial No. 193,342
1 Claim. (Cl. 15—188)

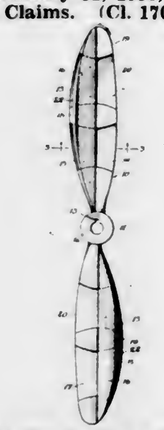
An implement for brushing the teeth and gums

comprising a handle and a flexible head on the handle having an end portion consisting of two truncated conical parts integrally formed base to base whereby a circular ridge is constructed to act upon the teeth of the user, the said end por-



tion being integrally joined to a longer truncated conical portion forming the body of the implement and usable to rub the gums of the user, the said body portion having the said handle secured axially therein.

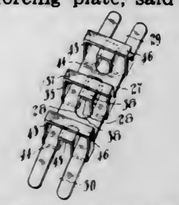
2,149,951
PROPELLER
Edward C. Baker, Avenel, N. J.
Application January 31, 1938, Serial No. 187,865
7 Claims. (Cl. 170—172)



1. In a propeller having a high-pitched blade with a leading and a trailing edge, means for preventing loss of efficiency due to the degree of pitch, said means comprising apertures extending from the center of the face of said blade through the trailing edge, said apertures terminating short of the tip of said blade.

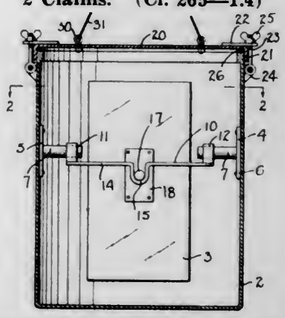
2,149,952
BRAKE SHOE
Frank T. Birch, Mimico, Ontario, Canada
Application December 17, 1937, Serial No. 180,353
8 Claims. (Cl. 188—248)

1. A brake shoe for a head having transverse lugs longitudinally spaced and apertured receptive to a key, said shoe comprising a cast metal body, a reinforcing plate mouldably embedded in the back thereof and provided with an aperture, a pair of complemental lugs integral with the back of the body in spaced transverse alignment for interfitting contact with the lugs of the head, a web integral with the back of the body and inter-connecting the spaced lugs thereof, said web terminating in an upper face short of the tops of the lugs, and a substantially rectangular strap mouldably embedded in the body and the spaced lugs thereof and encompassing the aforesaid reinforcing plate, said strap having a



bottom part beneath the plate with a deformed portion upwardly extending through the aperture therein and embedded in the web, said strap also having a top part extending between the lugs above the web and defining a keyway with the upper face of the web receptive to the key of the lugs of the head.

2,149,953
AUTOMATIC LEVELER FOR GRAVITY MEASURING INSTRUMENTS
August K. Birnbaum, Houston, Tex., assignor of one-half to Horton C. Cockburn, Houston, Tex.
Application March 2, 1936, Serial No. 66,626
2 Claims. (Cl. 265—1.4)

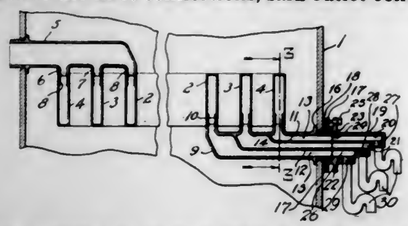


1. Apparatus for making geophysical measurements upon shallow water covered areas of the earth's surface which comprises a torsion balance and a container therefor, means in said container for supporting said balance for tilting movement so that the instrument will seek a gravitational level, means to seal said container whereby the container may be immersed and deposited upon the earth's surface in a submerged area and recordings of gravity measurements obtained, and additional means attached to said container to lower and retrieve the container.

2,149,954
VACUUM PAN FOR CONDENSING MILK PRODUCTS
Harold W. Brock, Milwaukee, Wis., assignor to C. E. Rogers Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1936, Serial No. 89,813
2 Claims. (Cl. 257—248)

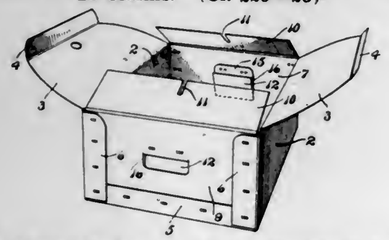
2. A heating unit for vacuum condensing pans comprising a bank of several coils circular in form and positioned therein in concentric relation, an inlet conduit having an inlet end thereof extending through the wall of the pan and having openings therein corresponding in number

to the number of coils, a connection between each opening and the upper side of a coil providing a passageway for steam, and an outlet conduit for the bank of coils having a connection with the bottom side of each coil at a point diametrically opposite the inlet connections, said outlet conduit



being formed to provide channels therein with which the respective outlet connections communicate, said outlet conduit having a portion extending to the exterior of the pan and terminating in a portion having an opening for each channel for connection of an independent extension to a waste line.

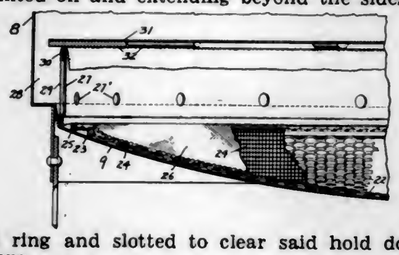
2,149,955
CONTAINER CONSTRUCTION
John S. Burns, Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application June 14, 1937, Serial No. 148,064
12 Claims. (Cl. 229—23)



4. A receptacle or container comprising, a horizontal bottom, vertical sides and end flaps connected one at each end of the bottom and at each end of each side, said flaps connected with the bottom being adapted to be turned upwardly and those connected with the sides turned inwardly toward each other, and end members, one at each end of the receptacle formed from a single length of material bent back upon itself to provide inner and outer parts lying against each other, over the entire area of said bent back parts and securing means passing through said flaps and the said parts of the end members, as specified.

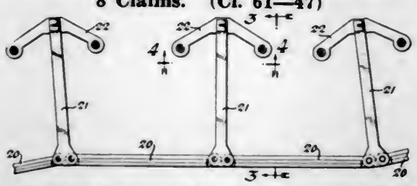
2,149,956
FILTERING APPARATUS
Edward C. Damrow, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application October 5, 1936, Serial No. 103,989
9 Claims. (Cl. 210—149)

9. In a milk filtering apparatus, the combination of a tank provided with a bottom discharge outlet, a filter cloth, foraminous supporting means for said cloth mounted at the bottom portion of said tank, an apertured clamping ring spaced from the side wall of said tank to provide a sediment chamber and clamping the cloth between its lower edge and a part of said tank, said cloth extending over the upper edge of said ring, hold down clamps for said ring and cloth removably mounted on said tank, and a baffle plate mounted on and extending beyond the sides of



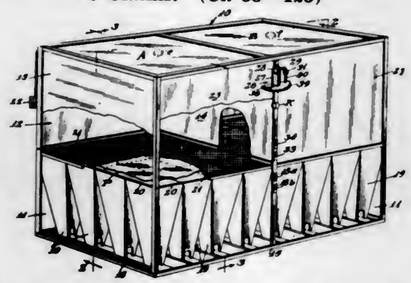
said ring and slotted to clear said hold down clamps.

2,149,957
CRIBBING
Orley H. Dawson, Highland Park, Mich.
Application May 16, 1938, Serial No. 208,178
8 Claims. (Cl. 61—47)



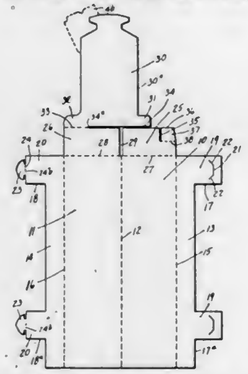
1. A precast concrete cribbing comprising, in combination, a plurality of stretchers having enlarged vertically disposed cylindrical ends formed tangent with the face thereof erected end to end in spaced tiers, headers having enlarged forward ends with the outwardly disposed corners thereof formed substantially the same radius as the radius of the said cylindrical ends of the stretchers adapted to space and splice said stretchers, and anchorage members secured to the rear end of the said headers adapted to space the said rear end of the said headers, the said stretchers and headers presenting a substantially uniform front elevational appearance when erected into either a straight faced wall, a wall meandering in angular directions, or a wall taking the direction of the chords of a curve, and means for securing the said stretchers, headers and anchorage members into a unitary structure.

2,149,958
MEASURING SYSTEM
Marvin Fox, New York, N. Y.
Application April 11, 1938, Serial No. 201,315
6 Claims. (Cl. 33—123)



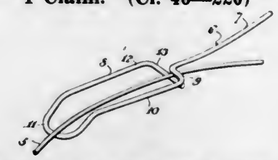
1. In an area measuring apparatus of the class described, a sensitive element and a light source associated therewith, a second sensitive element and a light source associated therewith, said sensitive elements being electrically connected in series and capable of generating voltage under influence of luminous flux thereon, means for adjusting the light source associated with said second named sensitive element to cause the same to generate the same voltage as that of the first named sensitive element under influence of its source of light, and means associated with said second named sensitive element for varying the exposure surface thereof with relation to the luminous flux acting thereon from its source of light, and a translating device for indicating in units of area the amount of variation imparted by said last named means to said exposure surface.

2,149,959
KNOCK-DOWN DISPLAY DEVICE
Clyde L. Gilbert, Elkhart, Ind., assignor to American Coating Mills, Inc., Elkhart, Ind., a corporation
Application January 31, 1938, Serial No. 187,809
11 Claims. (Cl. 40—126)



1. A knock-down display device comprising a single blank of sheet material having its lower portion arranged in the form of a collapsible, hollow elongated prism of polygonal cross section, certain adjacent walls of said prism simulating adjacent walls of a container for an elongated article of merchandise, the upper portion of the blank being arranged in partly projected position relative to the prism and with its exposed portion bent into arcuate-like cross-section so as to simulate the front of said elongated article of merchandise.

2,149,960
HOOP AND PROPELLING MEANS
Samuel Heath, Philadelphia, Pa.
Application February 13, 1937, Serial No. 125,528
1 Claim. (Cl. 46—220)



In a device of the character a hoop propelling means formed from wire having some resiliency and sufficiently pliable to be bent into shape, said wire being fashioned to provide a handle and an elongated loop, said loop consisting of a keeper forming a portion of the rear end of the loop, parallel sides, a rounded nose and a latch, the latter also forming a portion of the rear end of the loop and normally engaged with the keeper by the inherent resiliency of the wire to provide a spring closed entrance through which a hoop may be entered, the nose of the loop projecting outwardly and downwardly.

2,149,961
METHOD OF THICKENING LATEX WITHOUT COAGULATION, AND PRODUCT
William H. Holst, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1937, Serial No. 175,439
6 Claims. (Cl. 18—50)

1. The method of thickening latex preserved with alkali without coagulation which comprises admixing the latex with an aqueous solution of an alkali metal salt of a compound selected from the group consisting of mannitol borate and sorbitol borate, the alkali metal radical of said salt being the same as that of the principal alkali employed as a preservative for the latex, and the alkalinity of the aqueous solution being not less than the alkalinity of the latex, said aqueous solution having water present in sufficient amount to prevent coagulation of the latex upon admixture of the solution therewith.

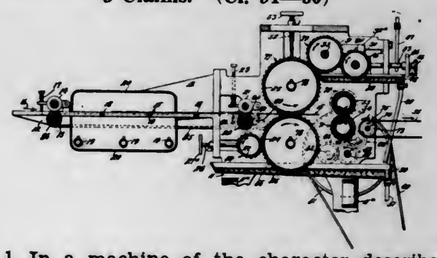
2,149,962
SOLDERING FLUX
William H. Holst, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 11, 1937, Serial No. 179,281
4 Claims. (Cl. 148—23)

1. A soldering flux comprising a substantially permanent suspension of mannitol in a volatile, non-aqueous organic liquid, said liquid having a density of about that of mannitol and being of volatility such that it will volatilize below the melting point of mannitol without decomposition into corrosive, non-volatile materials.

2,149,963
SOLDERING FLUX AND PROCESS OF FLUXING
William H. Holst, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 4, 1938, Serial No. 188,697
13 Claims. (Cl. 148—23)

1. A soldering flux comprising mannitol triacetonate.

2,149,964
OIL WIPING MACHINE
August Hormel, Hoboken, N. J., assignor to National-Standard Company, a corporation of Michigan
Application August 18, 1937, Serial No. 159,730
3 Claims. (Cl. 91—50)



1. In a machine of the character described, feeding means for a metal plate, means for heat-

ing the plate while it is being fed, a pair of oil-applying rollers, means for supplying oil to said rollers whereby the same will apply a film of oil to the opposite faces of the plate as it is fed between them, and wiping rollers between which the oil-treated plate is fed after leaving the oil-applying rollers.

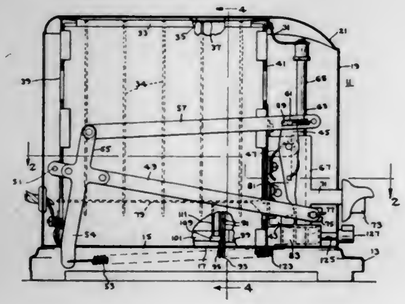
2,149,965

TOASTER CONTROL

Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware

Application January 13, 1938, Serial No. 184,788

9 Claims. (Cl. 219—19)



1. In an automatic toaster, the combination with a heating means for toasting a slice of bread and means for initiating a toasting operation, of means for terminating a toasting operation, said terminating means including a pair of spaced jaw members movable to grip a slice of bread at spaced points thereon when it is placed in toasting position in a toaster and means to effect deenergization of said heating means when said gripping members have been moved a predetermined distance nearer to each other by a slice of bread during a toasting operation.

2,149,966

ADDING NITROGEN VALUES TO SUPERPHOSPHATE

Walter H. Kniskern, Petersburg, Va., and Leonard V. Rohner, Syracuse, N. Y., assignors, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application October 2, 1935, Serial No. 43,218

5 Claims. (Cl. 71—43)

1. In a process for producing a fertilizer by ammoniating superphosphate with an ammoniacal liquid added to the superphosphate in amount at least sufficient to neutralize the free acid and react with a substantial proportion of the water soluble phosphates of the superphosphate and thus impart a substantial proportion of nitrogen to the resulting product, that improvement which comprises ammoniating the superphosphate with a solution of calcium nitrate in an ammoniacal liquid, containing a proportion of ammonia to water corresponding to about 30% or stronger aqua ammonia and an amount of calcium nitrate which substantially saturates said solution with calcium nitrate at a temperature between about —30° C. and about 30° C.

2,149,967

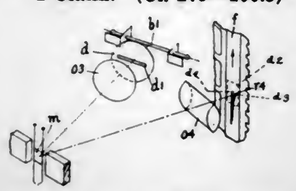
LIGHT SOURCE FOR USE IN THE PHOTOGRAPHIC RECORDING OF SOUND

Otto Kurt Kolb, Chiswick, London, England, assignor to British Acoustic Films Ltd., London, England

Application August 3, 1936, Serial No. 94,013

In Great Britain August 23, 1935

1 Claim. (Cl. 179—100.3)



In a system for photographically recording sound on film, a source of light comprising a discharge lamp containing a metallic vapor at very high pressure, an electro-optical system for producing upon the film a linear image of light from said source, means including an oscillograph for longitudinally vibrating said image under the influence of phonic currents and for vibrating said image transversely to the line of motion of the film, whereby a single hump sound record will be produced on the latter.

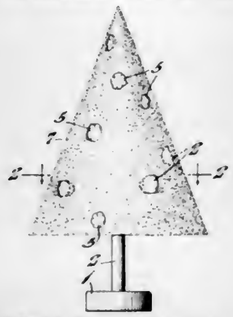
2,149,968

ARTIFICIAL CHRISTMAS TREE

Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.

Application December 15, 1937, Serial No. 179,897

3 Claims. (Cl. 41—15)



3. An artificial Christmas tree comprising a stem, relatively thin flexible bristles carried by and radiating from said stem to simulate branches, and floral decorations permanently secured to said tree, said decorations being disposed between and inwardly from the outer ends of said bristles.

2,149,969

PUMP

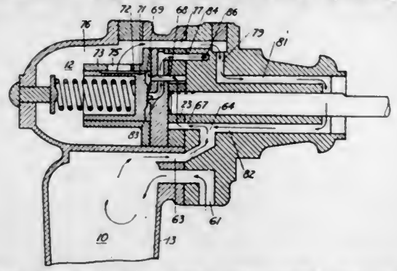
Emert J. Lattner, Cedar Rapids, Iowa

Application May 4, 1936, Serial No. 77,781

1 Claim. (Cl. 103—42)

In a fuel feeding unit for use with an oil burner, a roughly cylindrical base structure having a cylindrical collar portion extending therefrom to form a bearing for a pump shaft rotatably mounted therein, a shaft housing surrounding the collar and pump shaft for a portion of its length and spaced therefrom to form a shaft

chamber, said shaft housing threadedly attached to the base structure, a sealing means near the outer end of the shaft to prevent leakage between the shaft and the shaft housing, said shaft chamber arranged to receive any leakage between the collar and the shaft, pump gears operatively connected with the inner end of the shaft, a conduit connecting the intake side of the pump gears with the shaft chamber, a cone shaped main housing attached to the base structure, a body portion within the main housing having a gear chamber formed therein to enclose the gears, a pressure regulating valve also within the main housing and attached to the body portion and including a cylinder, a conduit through the body portion connecting the cylinder with the outlet side of the pump gears, a piston in the cylinder adapted to be moved against the pressure of a spring, by the pressure of oil forced by the pump



gears through the last mentioned conduit, a means threadedly engaged in the main housing to vary the pressure of the spring on the piston, an outlet conduit leading from the cylinder, the piston adapted by the aforementioned pressure of the spring to close the outlet conduit except when the pump gears force oil under sufficient pressure into the cylinder to counteract the spring pressure, the cylinder also having a by-pass port arranged to be opened to relieve excess pressure within the cylinder, said by-pass port exhausting into the interior of the main housing, a conduit connecting the main housing to the shaft chamber, a cup shaped strainer housing removably sealed against the lower portion of the main housing, a strainer therein, an intake conduit connecting with the strainer, and an outlet conduit therefrom connecting with the shaft chamber and with the inlet side of the pump gears.

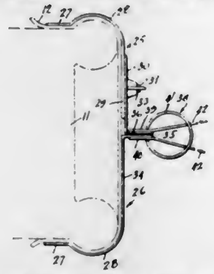
2,149,970

BLANKET FASTENER

Moses Liebmann, New York, N. Y.

Application December 16, 1937, Serial No. 180,102

1 Claim. (Cl. 24—263)



A device for clampingly holding the bed covering on the bed mattress against accidental displacement, the said device comprising an upper member, a horizontal ledge on the said member to hold the covering against the top of the mattress, a lower member, a horizontal ledge on the said lower member for holding the covering against the underside of the mattress, a vertical wall on each of the said members, an apron vertically adjustable on one of said walls, a horizontal flange on the apron, a similar flange on the other of said walls, and a spring clamp for clampingly engaging the said flanges to exert a pressure against the top and bottom of the covering and mattress.

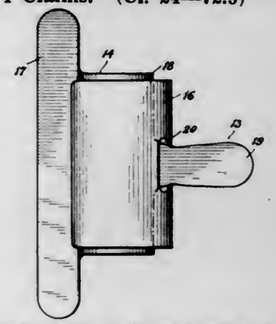
2,149,971

BLANKET FASTENER

Moses Liebmann, New York, N. Y.

Original application December 16, 1937, Serial No. 180,102. Divided and this application October 4, 1938, Serial No. 233,154

4 Claims. (Cl. 24—72.5)



2. A device for holding bed clothing to a rolled edge of mattress, said device comprising companion members each having a concavo-convexed jaw and a handle projecting rearwardly therefrom, lips projecting forwardly from front ends of said jaws, the lips being disposed in planes at right angles to each other for flat face to face contacting engagement with bed covering when the jaws are in straddling engagement with a rolled edge of a mattress, and spring means for urging said jaws and lips towards each other to a clamping position.

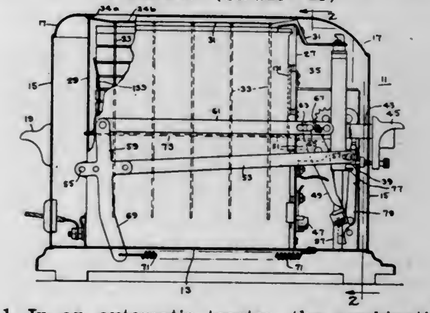
2,149,972

AUTOMATIC TOASTER AND METHOD OF CONTROLLING THE SAME

William L. Lodge, University, City, Mo., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware

Application December 8, 1937, Serial No. 178,723

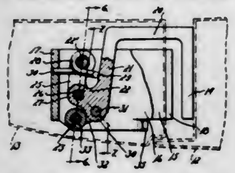
20 Claims. (Cl. 219—19)



1. In an automatic toaster, the combination with a heating means for toasting a slice of bread and means for initiating a toasting operation,

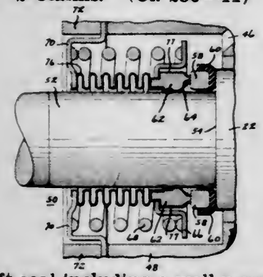
of means for terminating a toasting operation operable in accordance with the surface hardness of a selected surface of a slice of bread being toasted and effective to terminate a toasting operation when the surface hardness of a selected surface of a slice of bread being toasted has increased to a certain value.

2,149,973
HINGE
John Ludwig, Detroit, Mich.
Application April 15, 1937, Serial No. 136,978
7 Claims. (Cl. 16—164)



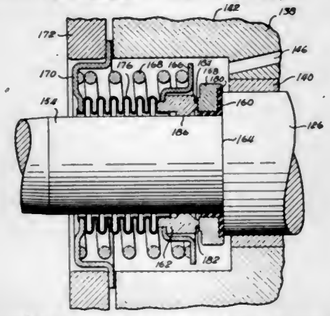
1. A hinge of the class described, comprising: a stationary part; a swingable part, there being a knuckle formed adjacent one end of said swingable part; a laterally off-set knuckle-bearing portion on said end of said swingable part; a link; a pivot pin pivotally connecting one end of said link to said stationary part; a pivot pin pivotally connecting the opposite end of said link to the knuckle of said off-set portion; a second link; a pivot pin pivotally connecting one end of said second link to said stationary part; a pivot pin pivotally connecting the opposite end of said second link to the end knuckle of said swingable part, said first link and the portion of said swingable part lying between the pivot pins projecting therethrough, forming a toggle and said second link and the portion of said swingable part lying between the pivot pins projecting therethrough forming a second toggle, the mounting of said links on said stationary part being such that upon swinging of said swingable part to open position, said toggles will be moved toward center and said first toggle moved beyond center prior to the movement of said second toggle on to center, and said second toggle moving beyond center immediately prior to the termination of the swingable movement.

2,149,974
SEAL FOR REFRIGERATING APPARATUS
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 30, 1935, Serial No. 47,515
2 Claims. (Cl. 286—11)



1. A shaft seal including a wall member having a shaft opening therein, a shaft member passing through said shaft opening, one of said members being provided with an axially stationary sealing surface, the other of said members being provided with an axially movable sealing surface in contact with the axially stationary sealing surface, one of said sealing surfaces being provided with an annular sealing surface formed of metal having a high resistance to wear under poor lubricating conditions, said metal annular sealing surface being flanked by a sealing surface of another metal for protecting the first mentioned metal sealing surface, said last mentioned sealing surface being exposed to lubricant and corrosion and having a higher resistance to corrosion than said first mentioned metal sealing surface.

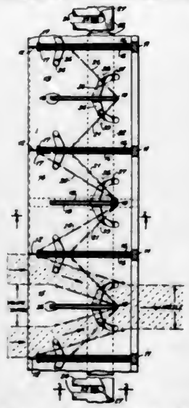
2,149,975
ELASTIC COMPOSITION
Alex A. McCormack, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 5, 1936, Serial No. 94,421
3 Claims. (Cl. 260—27)



1. A refrigerant seal for refrigerating systems comprising an elastic composition having ingredients in about the following proportion by weight:

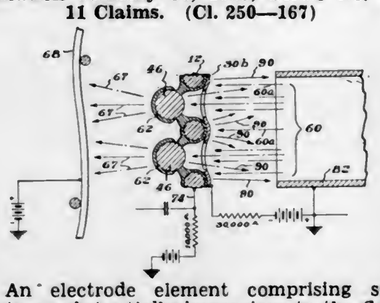
	Parts by weight
Polymer of chloro-2-butadiene-1,3	100
Litharge	50
Zinc oxide	2
Abietic acid	2½
Carbon	100
Mineral oil	5
Sulphur	1% of entire volume

2,149,976
VENTILATION CONTROL
James D. McKnight, New York, N. Y.
Application May 8, 1935, Serial No. 20,306
7 Claims. (Cl. 98—101)



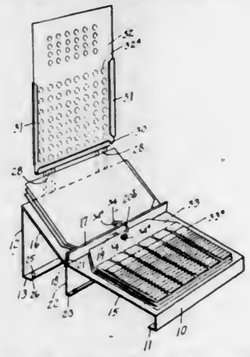
1. In apparatus of the class described, a conduit, and damper regulating means in said conduit comprising a plurality of pivoted vanes, extending from their pivots in the general direction of flow of the medium in said conduit and arranged to control the velocity thereof, and a plurality of pivoted vanes extending from their pivots in a general direction opposite to the flow of said medium in said conduit arranged to control the volume thereof, said last mentioned vanes being disposed between said first mentioned vanes.

2,149,977
TELEVISION TRANSMITTING TUBE
George A. Morton, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1935, Serial No. 4,023
11 Claims. (Cl. 250—167)



1. An electrode element comprising screen structure substantially impervious to the flow of electrons through the same, said structure comprising a conducting base member provided through the same with relatively minute and spaced holes at least of the order of ten thousand to the square inch, a layer of insulating material over at least one surface of said member and about the edges of said holes, and metallic elements disposed respectively over said holes, the projected area of said elements being greater than the area of the individual holes and said elements being partly embedded in and fixed to said member by said material whereby the holes at said surface are closed and sealed off by said elements and the insulating material whereby said elements are insulated from said member and from each other by said material, said elements over their outside surfaces being photosensitive, the holes at the other surface of said member being open whereby the inside metallic surfaces of said elements are exposed on this side of said member.

2,149,978
DISPLAY AND RETAINER DEVICE
Guy E. Noel, Muncie, Ind.
Application June 10, 1937, Serial No. 147,465
2 Claims. (Cl. 129—1)

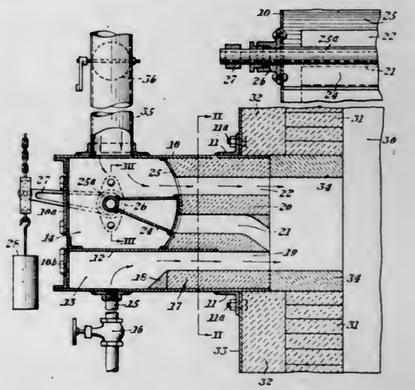


1. In a display device, front support structure, an upright rear support structure, and intermediate means therebetween and supported thereby and having a forward support portion and the rearward support portion for supporting articles in either of two positions, and arranged at progressively increasing angles to the horizontal and with an upstanding rail at the vertex, and article retaining means secured to the rail and permitting movement of an article from one side of the rail to the other side thereof.

2,149,979
DYEING OF MINERAL MATERIALS
Anderson Pace, Jr., Ithaca, N. Y., assignor to The Lehon Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 28, 1937, Serial No. 171,479
9 Claims. (Cl. 8—8)

1. The method of dyeing asbestos containing iron as an impurity, which consists in washing the asbestos fibers with a thirty per cent solution of concentrated acid to separate the fibers and render their surfaces receptive to a pigment, and in utilizing the iron impurity for precipitating a pigment by adding to said acid solution a soluble ferrocyanide.

2,149,980
METHOD AND APPARATUS FOR CONTROLLING FURNACE COMBUSTION
Henry Wilbur Paret, Jr., Pittsburgh, Pa.
Application November 4, 1937, Serial No. 172,683
19 Claims. (Cl. 263—15)

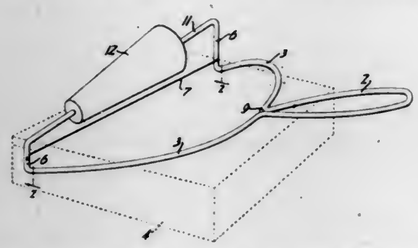


1. In a method of controlling the intensity and other characteristics of a flame in a furnace, the steps of introducing a fuel gas into the furnace in a substantially uni-directional rectangular path, flowing an oxygen-containing gas in a substantially parallel path spaced apart with respect to the flow of said fuel gas, and then without throttling either gas, directing the oxygen-containing gas downwardly in a superimposed relationship upon the fuel gas while maintaining the ultimate direction of flow of the two gases substantially the same.

2,149,981
SLICER
Florian B. Pedersen, Alameda, Calif.
Application January 21, 1937, Serial No. 121,584
7 Claims. (Cl. 30—116)

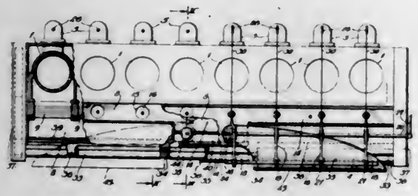
1. A slicer comprising a taut cutting wire, a

conical guide roller journaled about an axis angu-



larly disposed to said wire, and means mounting the roller for adjustment along said axis.

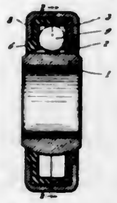
2,149,982
INTERNAL COMBUSTION ENGINE
Max Rotter, Milwaukee, Wis., assignor, by mesne assignments, to Reconstruction Finance Corporation, St. Louis, Mo., a corporation of the United States
Application February 12, 1937, Serial No. 125,381
10 Claims. (Cl. 123—65)



3. In an internal combustion engine having a plurality of cylinders arranged in a line and provided with individual charging ports, a charging receiver for said ports disposed substantially parallel to the line of cylinders, and a non-return valve between each of said ports and said receiver, the combination therewith of a supercharging receiver also disposed substantially parallel to said cylinder line and provided with individual outlet passages opening to said charging ports between the interior of the respective cylinder and the respective non-return valve, valves individually controlling the flow through said outlet passages, casing means substantially parallel to and coextensive with the cylinder line, a plurality of rotors in said casing means also substantially parallel to said line, some of said rotors delivering a gaseous medium to said charging receiver and some delivering a gaseous medium at higher pressure to said supercharging receiver, the supercharging rotors being aligned with the other rotors and all said rotors being of relatively short radius and the group of rotors as a whole extending continuously for substantially the full length of the line of cylinders, and means for driving the rotors at velocities suited to produce the respectively different pressures required of them.

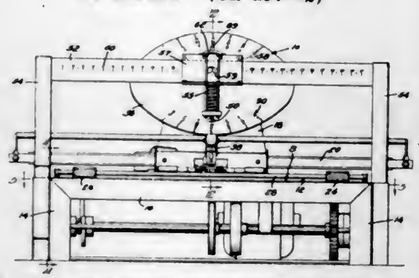
2,149,983
BEARING
William F. Smith, Brooklyn, N. Y.
Application August 17, 1937, Serial No. 159,457
8 Claims. (Cl. 308—72)

1. In combination, a bearing ring, a steel shell around said bearing ring, a heat-insulating spacer between the ring and the shell, and means for holding said ring within but allowing limited motion with respect to said spacer, whereby the



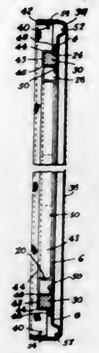
axis of the ring may be aligned at an angle to the axis of the shell.

2,149,984
AUTOMATIC SHOW CARD PRINTING DEVICE
Lyman A. Stinson, Chicago, Ill., assignor of one-half to James L. Allen, Wilmette, Ill.
Application September 11, 1936
Serial No. 100,239½
18 Claims. (Cl. 197—2)



1. Show card printing apparatus comprising a base, a card supporting platform thereon, a type carrying disc mounted above said platform at an angle of 45°, individual type members thereon, means for selecting any one of said type members for operation, and power means including a resiliently mounted hammer for moving a selected type member to printing position.

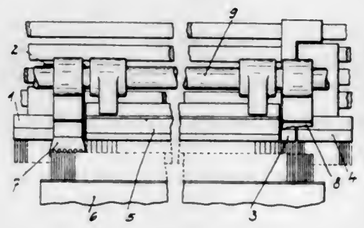
2,149,985
COMBINED CANVAS-STRETCHER AND PICTURE FRAME
Joseph Tepper, Boston, Mass.
Application May 10, 1935, Serial No. 20,712
21 Claims. (Cl. 40—155)



1. A frame comprising a plurality of sheet-metal strips at least some of which are angularly disposed to one another in the form of a closed figure, the strips being provided with

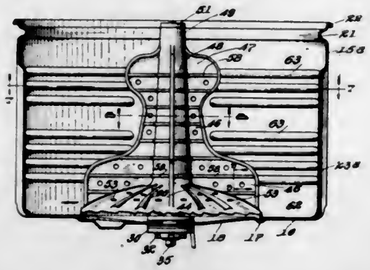
overhanging portions and with a plurality of holding pins struck out from the metal of the strips positioned inside the overhanging portions.

2,149,986
FLAT KNITTING FRAME
William Welker, Oberfrohna, Germany
Application February 1, 1938, Serial No. 188,021
In Germany February 2, 1937
2 Claims. (Cl. 66—96)



1. A flat knitting frame for patterning over the entire width of the needle bar, said frame being provided with narrowers for varying the width of the fabric and with picot bars in which the picot bar is narrower than the needle bar and is widened in use by the narrowers disposed on its sides, the non-patterning frame needles within range of the narrowers being not engaged by the latter.

2,149,987
WASHING MACHINE
Alpheus W. Altorfer, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a corporation of Illinois
Application April 9, 1936, Serial No. 73,428
30 Claims. (Cl. 68—54)



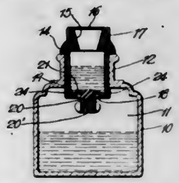
1. In a washing machine for fabric materials or articles, a tub, a dolly arranged to be oscillated in water in the tub comprising a base and upstanding radially disposed wings thereon, the tub wall having rubbing formations disposed substantially throughout the heighth of the tub and comprising a plurality of inwardly projecting ribs, and the base and wings of the dolly having rubbing formations comprising a plurality of radially projecting ribs, tne respective ribs being adapted upon the oscillation of said dolly to create a substantially universal rubbing condition upon the materials being cleansed as they are caused to successively contact said tub and dolly rubbing formations.

2,149,988
INKSTAND
Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.
Application October 14, 1936, Serial No. 105,466
3 Claims. (Cl. 120—69)



1. An inkstand comprising a bottle having an upstanding neck, a soft rubber insert for the neck including a cup closed at its lower end and extending downwardly through said neck, an outer annular flange carried by the rubber insert between the upper and lower ends thereof for engagement with the outer side of the bottle neck for holding the rubber insert in position, said cup having an opening in its side wall below and adjacent the outer annular flange whereby the tilting of the bottle fills the cup with ink, an inwardly directed annular flange on the soft rubber insert adapted to receive and support a pen holder and to cooperate with the pen holder to provide a closure for the inkstand, an upstanding annular flange on the soft rubber insert surrounding the inwardly directed annular flange and a closure cap for the soft rubber insert and bottle engaged with the upper edge of the upstanding annular flange and interlockingly engaged with the outer side thereof.

2,149,989
INKSTAND
Frank M. Ashley, Great Kills, N. Y., assignor to Lewis Gompers, trustee, New York, N. Y.
Application October 14, 1936, Serial No. 105,467
Renewed August 11, 1938
2 Claims. (Cl. 120—69)

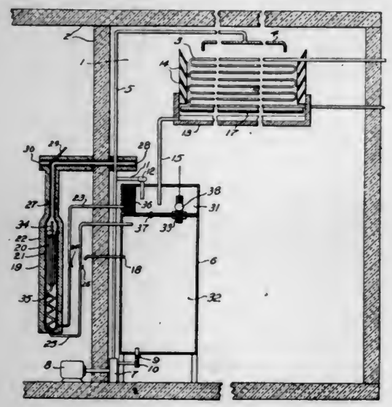


1. An inkstand comprising a reservoir for ink and formed with a cylindrical opening in its upper side, a soft rubber cup fitted into said opening and formed with a cone-shaped dip-tube adapted to support a pen-holder which serves as a cork for said opening, a cover for said opening, said cup formed to provide an opening in its lower end, a soft rubber valve having a flexible flange seat, controlling said opening and operating by gravity in the act of filling the cup.

2,149,990
HUMIDITY CONTROL FOR REFRIGERATED SPACES
William Harrison Cook, Ottawa, Ontario, Canada
Application November 22, 1937, Serial No. 175,852
12 Claims. (Cl. 62—103)

1. A method of controlling the humidity in a closed space having cooling elements which comprises applying an aqueous spray to the surfaces of the cooling elements to prevent moisture freezing thereon and to collect condensed moisture, recovering the aqueous spray with its accumu-

lated moisture, continuously vaporizing water in a portion of the recovered spray and delivering



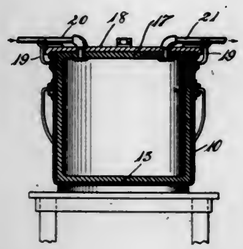
the water vapor within or without the space as required.

2,149,991

METHOD OF LINING HOLLOW ARTICLES WITH RUBBER

Howard M. Dodge, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 25, 1936, Serial No. 70,822
4 Claims. (Cl. 18—59)



1. The method of lining hollow articles which comprises forming substantially to final form a rubber lining, cementing the interior of the hollow article, applying to one of the contacting surfaces a lubricating material adapted to be absorbed by the rubber during vulcanization, inserting the lining in the article, and pressing the lining into intimate contact with the cemented surface of the article.

2,149,992

LIGHT-TRANSFORMING SCREEN OR REFLECTOR AND METHOD OF MAKING AND USING THE SAME

Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application October 8, 1936, Serial No. 104,663
6 Claims. (Cl. 250—80)

1. A light-transforming screen or reflector composed essentially of alkali metal salt of rhodamine B hydrochloride and a binder therefor.

2,149,993

COMPOSITION CONTAINING A RHODAMINE DERIVATIVE

Gerton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Original application October 8, 1936, Serial No. 104,663. Divided and this application March 30, 1937, Serial No. 133,851
5 Claims. (Cl. 260—41)

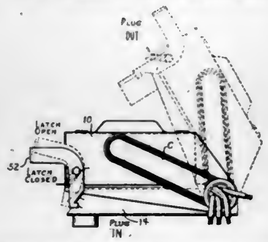
5. A liquid coating composition comprising the potassium salt of rhodamine B hydrochloride, cellulose acetate, and acetone.

2,149,994

ELECTRICAL DISTRIBUTION SYSTEM

William H. Frank and Joseph W. Harper, Detroit, Mich.

Original application September 24, 1934, Serial No. 745,300. Divided and this application January 25, 1935, Serial No. 3,446
12 Claims. (Cl. 200—114)



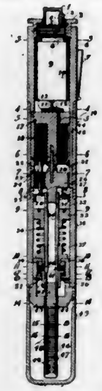
8. A distribution system including a bus bar conduit, and a branch outlet box hinged with relation thereto and having contacts adapted to engage the bus bars in the conduit.

2,149,995

RAZOR

Edwin Gruessner, Brooklyn, N. Y.

Application November 7, 1936, Serial No. 109,652
3 Claims. (Cl. 30—43)



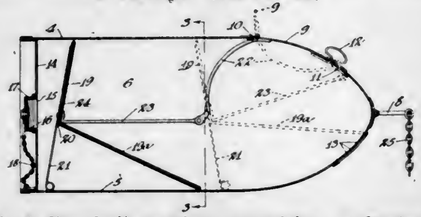
1. A razor constituting a self contained unitary inherently operable instrumentality of convenient pocket size comprising a casing and a blade movable longitudinally of itself and longitudinally of said casing, an elongated element within said casing fast with respect to said blade and longitudinally reciprocable for vibrating the blade, means within said casing for vibrating said element and blade, and a dash-pot in said casing and situated between the ends of said element effective thereon for damping the vibration of said element and blade simultaneously in the same direction.

2,149,996

LIVE BAIT CARRIER

Edmund Gulden, St. Paul, Minn., assignor of three-fourths to Herbert C. Gulden, Rhinold Gulden, and George W. Granstrom, all of St. Paul, Minn.

Application December 9, 1937, Serial No. 178,914
8 Claims. (Cl. 43—55)



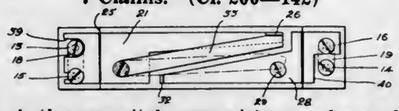
1. A live bait carrier comprising, a horizontally elongated bait chamber, float compartments extending along opposite sides of said chamber, a foraminous gathering member extending from top to bottom and from side to side of said chamber and movable longitudinally therein, said chamber having an opening near one end, an upwardly and outwardly opening closure for said opening and means operatively connecting said gathering member to said closure for actuating said member longitudinally within said chamber to and from said opening when the closure is moved to and from open position.

2,149,997

FIRE ALARM THERMOSTATIC CONTACT

Herbert G. Hunt, New York, N. Y.

Application March 26, 1937, Serial No. 133,197
7 Claims. (Cl. 200—142)



1. A thermoswitch comprising: a base plate; an open circuit contact plate having an offset portion engaging an end of said base plate and having a right angled forwardly bent rigid integral lug; a circuit closing contact plate mounted upon said base plate and insulated from the open circuit contact plate and having an offset portion engaging another end of said base plate and having a right angled forwardly bent integral electrical contact point; means attaching the open circuit contact plate to the base plate; a contact lever pivotally mounted on said means; fusible material disposed between the free end of said lever and said lug and holding the lever and the lug together whereby upon the fusing of said material the lever will drop by the action of gravity and will rest upon the electrical contact point.

2,149,998

TRAFFIC DETECTOR

Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 19, 1937, Serial No. 131,903
1 Claim. (Cl. 200—87)

In a vehicle detector for a traffic signalling system, the combination of a casing mounted below the road surface, a permanent bar magnet, pivots for supporting said magnet at its center in said casing, means for normally holding said magnet in a vertical position comprising a rigid support for preventing rotation of said magnet about its pivot in one direction, spring means for normally holding said magnet in the vertical position



against said rigid support, and a pair of contacts operated to control a circuit responsive to a movement of said magnet about its pivot, whereby upon the passage of vehicles over said detector in one direction, an operating circuit for the traffic signalling system will be affected and whereby upon vehicles traveling over the detector in the other direction, the detector will remain inoperative.

2,149,999

LIGHTLY COATED MANGANESE STEEL ELECTRODE

Walter B. Lair, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application December 9, 1936, Serial No. 115,056
5 Claims. (Cl. 219—8)

3. An arc welding electrode having associated therewith a flux consisting essentially of one part by weight of magnesium silicate to one-half to two parts by weight of silica and containing titanium dioxide in quantities not greater than one-quarter of the weight of the magnesium silicate present therein.

2,150,000

WELDING ELECTRODE

Walter B. Lair, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application December 28, 1936, Serial No. 117,888
6 Claims. (Cl. 219—8)

1. A flux for use in arc welding having substantially the following composition:

	Parts by weight
Titanium dioxide	4
Iron oxide	1 to 5
Sodium carbonate	2
Silica	1

Hydrated lime, up to 5 per cent of the above ingredients.

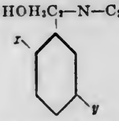
2,150,001

MANUFACTURE OF DI-(γ-CHLORO-HYDROXYPROPYL) ARYLAMINES

Hans Lange, Dessau in Anhalt, Germany, assignor to General Aniline Works, Inc., New York. N. Y., a corporation of Delaware

No Drawing. Application March 25, 1937, Serial No. 132,971. In Germany April 18, 1936
11 Claims. (Cl. 260—573)

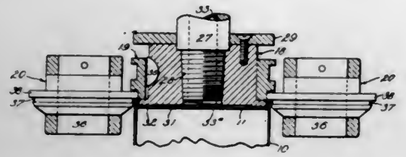
1. The compounds which correspond to the general formula



wherein x and y are members of the group con-

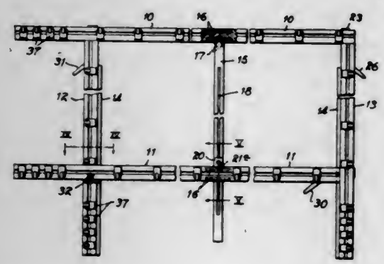
sisting of hydrogen, lower alkyl, lower alkoxy, and halogen, said tertiary amines being crystallized bodies, and coupling with diazo compounds.

2,150,002
METHOD FOR FORMING SEAMS
Maximilian Paul Link, Los Angeles, Calif.
Application December 2, 1935, Serial No. 52,594
3 Claims. (Cl. 113—121)



1. The method of forming a seam between a tubular body and an assembly of an end having an axial peripheral flange and a radial flange on the axial flange and a seam ring within the axial flange of the end, the ring having a radial flange overlying the radial flange of the end, said method including, arranging the assembly of the end and ring on the end of the body to project into the body and overlie the end of the body, placing the face of the end and the interior of the ring against an abutment and applying axial pressure to the body to hold the end against the abutment, applying a temporary abutment to the radial flange of the ring to resist said pressure, simultaneously partially curling the radial flanges of the end and ring to wrap the edge portion of the ring flange around the edge portion of the radial end flange and leave the same in pressure engagement with the outer wall of the body, removing the temporary abutment and then completing the seaming of the radial flanges to the body by simultaneously confining the end and ring axially on the body and forcing the wrapped edge portions of the ring and end radial flanges radially inward into tight sealing engagement with the outer surface of the body.

2,150,003
CURTAIN STRETCHER
John F. Lizak, McKeesport, Pa.
Application September 9, 1937, Serial No. 163,050
2 Claims. (Cl. 45—24)



1. A curtain stretcher comprising frame bars held in assembled relation and provided with undercut grooves extending longitudinally thereof, gripping elements having enlarged projections extending into said grooves and slidable longitudinally thereof, and camming devices operable to rock the said gripping devices into position to grip and hold the curtain against the said bars.

2,150,004
SHINGLE ELEMENT
Chester R. MacDonald, Monroe, Mich., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Original application March 13, 1926, Serial No. 94,377. Divided and this application October 21, 1931, Serial No. 570,110
4 Claims. (Cl. 108—8)



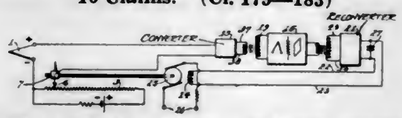
4. A thick butt shingle composed of a saturated fibrous foundation, waterproof coating material completely covering the face of said foundation, granular material partially embedded in said coating material and substantially completely covering the face of said foundation, a layer of coating material extending from the forward edge of said element and substantially completely covering the granular material on the lower portion of the face only of said element to be exposed to the weather, said layer of coating material being extended about the forward and side edges of the element but not upon the back of the element, thus sealing the cut edges of the element, and additional granular material partially embedded in the said layer of coating material.

2,150,005
DENTAL SEPARATOR AND MATRIX HOLDER
Frank B. McNinch, Philadelphia, Pa.
Application December 28, 1937, Serial No. 182,047
10 Claims. (Cl. 32—64)



1. A dental separator and matrix holder comprising a member of elastic material T-shaped in cross section and including a web adapted to be inserted between contiguous teeth, a head along one edge of said web, and a pair of protuberances on each face of said web adjacent its opposite edge each one of said protuberances being adjacent to an end of said web.

2,150,006
MEASURING AND CONTROL METHOD AND APPARATUS
Humphrey F. Parker and Julius G. Aceves, New York, N. Y., assignors, by direct and mesne assignments, to Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 21, 1933, Serial No. 667,237
16 Claims. (Cl. 175—183)



7. The method of measuring direct currents of minute magnitude which comprises opposing the E. M. F.'s producing said currents to a standard E. M. F. of known magnitude, deriving an alternating current from the resultant of said opposed E. M. F.'s of fixed frequency and of one phase or

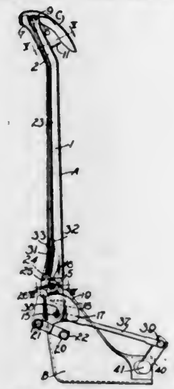
of opposite phase depending upon whether the standard or unknown E. M. F. is predominant, amplifying said alternating current at said frequency, reconverting said amplified current into a continuous current flowing in one direction or the other accordingly as said alternating current is of said one phase or said opposite phase, and applying said continuous current directly to effect a balance between said opposed E. M. F.'s.

2,150,007
LIQUID-COOLED ELECTRIC LAMP
John W. Ryde, Middlesex, England, assignor to General Electric Company, a corporation of New York
Application September 14, 1937, Serial No. 163,835
In Great Britain September 21, 1936
3 Claims. (Cl. 176—122)



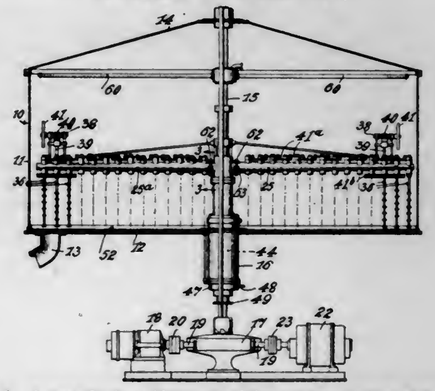
1. The combination of an electric discharge lamp comprising a tubular envelope having an electrode sealed in each end thereof, a tubular jacket surrounding said envelope and spaced therefrom to form an annular cooling chamber through which liquid can be caused to flow over said envelope, and a transversely extending partition in said cooling chamber located adjacent to the upstream electrode and spaced from said envelope to form a channel of much smaller cross section than the mean cross section of the channel through which the liquid passes over the part of the envelope occupied by the discharge.

2,150,008
BRAKE LEVER
Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 14, 1937, Serial No. 142,569
4 Claims. (Cl. 74—537)



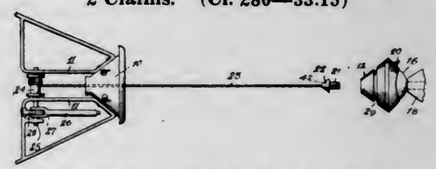
1. In a hand brake lever construction, a support, a one piece lever pivoted between its ends to said support and having parallel legs at one end, a ratchet plate pivoted between said legs in vertically and longitudinally extending planes, said plate having an arcuate upper edge formed with ratchet teeth, a pawl pivoted to said lever in position to make latching engagement with said teeth, a pawl operating rod within said lever body, a yoke pivoted to said pawl with its legs astraddle the pawl, the web of said yoke being apertured to receive the adjacent end of said rod, and the said end of said rod being headed against said web to engage the yoke to move the yoke and pawl when the rod is moved in release direction.

2,150,009
LAUTER MACHINE
Robert C. Schock, New Rochelle, N. Y., assignor to Schock, Gusmer & Co., Inc., Hoboken, N. J., a corporation of New Jersey
Application December 13, 1937, Serial No. 179,535
11 Claims. (Cl. 259—107)



1. A mash treating machine comprising a tub, a central post in said tub, an arm extending from said post, radially outward to the wall of the tub, a plurality of knives on said arm and depending downwardly therefrom into the mash of the tub, said knives having a horizontal cross-section forming a front knife edge, widening, and a rear edge, and having a vertical section forming a plurality of front concave curves, plows spaced apart on said knives at the juncture lines of said curves, and inclined to the longitudinal axes of said knives rearwardly upwardly, each plow having in plan a sharp front entrance point, and widening to form table portions laterally of the knife, and having a closed rear portion, and each plow having in vertical view a sharp front edge point, and tapering sides merging to a knife edge, the front edge of each plow being on a line inclined upwardly and rearwardly from the horizontal.

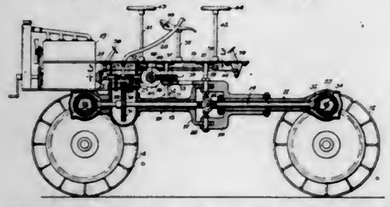
2,150,010
TRAILER HITCH
Guillermo Solomon, Santiago, Dominican Republic
Application September 1, 1937, Serial No. 161,919
2 Claims. (Cl. 280—33.15)



1. A trailer hitch, including a housing adapted to be secured to a trailer, a body adapted to be rotatably and removably secured in said housing, a cap ring screwed on to the body, said cap ring and body forming a spherical socket, a ball in the socket, means for securing said ball to a tower, a screw plug extending longitudinally of said body screwed in the end of the body, a cable secured to the screw plug and extending axially

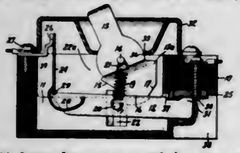
thereof, said cable projecting through the housing, a windlass on which said cable is adapted to be wound, and means for turning the windlass.

2,150,011
POWER STEERING MECHANISM
Ralph Tinker, Fountain City, Wis.
Application August 12, 1937, Serial No. 158,698
4 Claims. (Cl. 180—79.4)



1. A steering mechanism including a pair of wheel-supported frames, means for pivotally connecting said frames, a toothed segment fixed to one of the frames, a pinion engaging the segment, a power driven shaft on one of said frames, friction means operatively connecting said shaft and the pinion, said friction means including a longitudinally movable friction spool, a friction gear on the power driven shaft adapted to engage either end of said spool when the latter is moved longitudinally, a worm driven by said spool, and a worm wheel engaging the worm and operatively connected to the pinion, and hand actuated means for shifting said spool from one position to another.

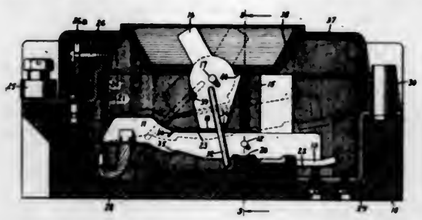
2,150,012
CIRCUIT BREAKER
Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 27, 1937, Serial No. 122,581
19 Claims. (Cl. 200—116)



1. A circuit breaker comprising a switch member, a current responsive holding device, a stationary contact spaced therefrom, spring means biasing said switch member to closed circuit position with its ends in engagement respectively with said holding device and said stationary contact, a pivoted handle having an operating portion movable into engagement with an intermediate portion of said switch member to move said switch member about said holding device to an open circuit position, said holding device releasing said switch member in response to a predetermined current through said switch member whereupon said spring means moves said switch member about said handle as a pivot to disengage said stationary contact.

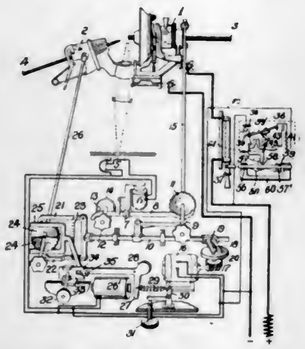
2,150,013
CIRCUIT BREAKER
Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application June 18, 1937, Serial No. 148,937
Renewed April 25, 1938
29 Claims. (Cl. 200—116)

1. A circuit breaker comprising a switch member, a handle of electrically insulating material, means pivotally mounting said handle, a spring biasing said switch member against said handle, said handle being provided with a face located a predetermined distance from the pivot of said handle for engagement with said switch member in dependence upon the position of said handle, a spring strip secured to said switch member and



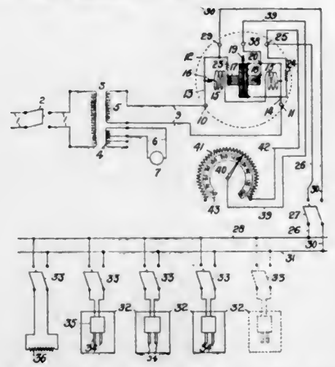
having a portion in spaced relation with said switch member forming a bearing surface for said handle, load responsive means securing one end of said switch member whereby movement of said handle moves said switch member about said secured end, and circuit controlling means operated by said switch member.

2,150,014
FEEDING AND ARC STRIKING MECHANISM FOR SEARCHLIGHTS
Hollis Walter, Baldwin, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application November 21, 1934, Serial No. 754,005
6 Claims. (Cl. 176—73)



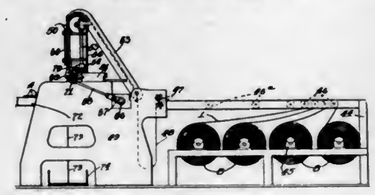
6. A combined feeding and arc striking mechanism for searchlights and the like having positive and negative electrodes, a main arc circuit adapted to include said electrodes, electrically operated means for feeding the negative electrode in either direction responsive to the voltage drop across the arc, means cooperating with said feeding means for positioning the positive electrode, a main switch included in said arc supply circuit for throwing the electrodes into and out of said arc supply circuit, a branch circuit connected across said main switch for causing actuation of said first mentioned feeding means, a trigger type thermostatically released switch in said branch circuit, a connection between said trigger switch and said main switch to cock the former when the main switch is opened, means for consequently closing said trigger switch, and thermostatic means responsive to an increase in current through said branch circuit for releasing the trigger and opening said switch.

2,150,015
SALINITY INDICATOR SYSTEM
Raymond L. Witham, Mountain Lakes, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 23, 1935, Serial No. 17,807
3 Claims. (Cl. 175—183)



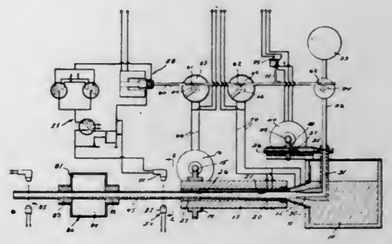
1. In a salinity indicator system for determining the saline content of boiler water, an A. C. supply, a plurality of differently positioned pairs of spaced electrodes immersed in said boiler water, a checking resistor, meter indicating means having a deflecting coil, switching means for selectively connecting one of said pairs of electrodes in series with said deflecting coil across said A. C. supply, a holding coil connected independently across said A. C. and fixed at right angles with respect to said deflecting coil, a field coil inductively related to said deflecting and holding coils and independently connected across said A. C. supply, an indicator carried by said deflecting coil, and a salinity scale over which said indicator moves, said deflecting and holding coils being relatively movable with respect to said field coil, whereby said indicator is caused to indicate on said scale the conductivity and hence the relative salinity of the boiler water, and substantially independently of voltage and frequency variations, said switching means being also adapted for connecting said checking resistor in series with said deflecting coil for checking the readings of said meter indicating means.

2,150,016
METHOD OF PRINTING AND PUNCHING BLANKS
Andrew C. Wood, Chicago, Ill., assignor to Dixie-Vortex Company, a corporation of Delaware
Application June 7, 1935, Serial No. 25,438
7 Claims. (Cl. 270—1)



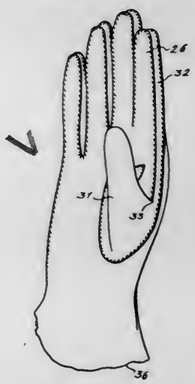
1. In the art of making paper containers, the method of printing and punching blanks, including first printing a plurality of continuous sheets of stock, aligning the printed sheets, and simultaneously punching complete blanks from an intermediate region of the aligned sheets.

2,150,017
METHOD OF AND APPARATUS FOR FORMING GLASS TUBES, RODS, AND THE LIKE
Randolph H. Barnard, Toledo, Ohio
Application January 10, 1936, Serial No. 58,443
Renewed January 31, 1938
17 Claims. (Cl. 49—17.1)



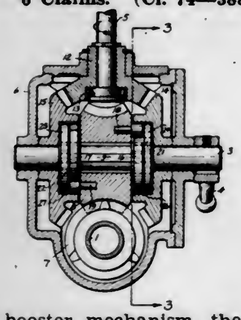
7. In an apparatus for forming glass tubing, a pair of spaced shaping and sizing bushings through which the glass is adapted to be drawn, means for feeding molten glass to one of said bushings, a sleeve mounting said bushings, means for rotating said sleeve, a nozzle for discharging air through the bushing to which the glass is initially supplied, a device for gauging the size of the tubing which is formed, and means controlled by said gauging device for controlling the speed of rotation of the sleeve, the spaced relation of the nozzle to the bushing adjacent which it is located, and the pressure of the air discharged by the nozzle.

2,150,018
GLOVE
Alice Bates, Long Island City, N. Y.
Application September 17, 1938, Serial No. 230,463
6 Claims. (Cl. 2—159)



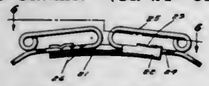
6. A glove comprising integral back and palm portions having corresponding digit extensions spaced in a front to rear direction when said back and palm portions are folded about a median longitudinal line, a single piece thumb formed integral with a fourchette strip, said strip starting at the base of said thumb at the rear thereof and running along and between the outer side of the index finger digit extensions and beyond and following the contour of and forming a continuous connection between the digit extensions of the remaining fingers.

2,150,019
BOOSTER MECHANISM
Gerhard H. J. Baule, Syracuse, N. Y.
Application April 14, 1937, Serial No. 136,861
6 Claims. (Cl. 74—388)



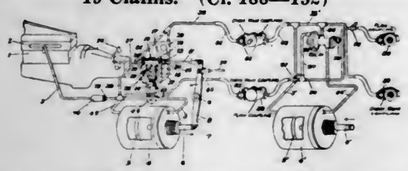
1. In a booster mechanism, the combination of a progressively-movable, operator-operated control member, a driven member, a gear mounted on the driven member, the control member being operable to turn the gear and the gear being connected to the driven member by a lost motion connection, a power shaft, gearing between the power shaft and the driven member including a gear mounted to rotate about the driven member, and a self-releasing clutch operable by the relative rotation of the first gear to the driven shaft to clutch the second gear to the driven shaft, and held in clutching engagement by the progressive follow-up movement of the control member.

2,150,020
COLLAR HOLDER
Oscar Carlson, East Providence, R. I., assignor to Dolan & Bullock, a corporation of Rhode Island
Application October 26, 1937, Serial No. 171,079
5 Claims. (Cl. 24—81)



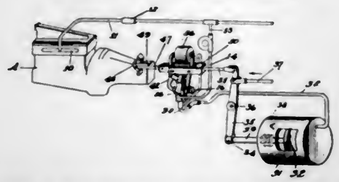
3. A collar holder comprising a base having detents, and two jaw members associated therewith each of said jaw members comprising a U-shaped frame having one arm slidably secured to said base and having notched portions engageable with said detents, said jaw members being adjustably movable to vary the length of the collar holder and means resiliently engaging said members for retaining said notched portions in engagement with said detents.

2,150,021
VEHICLE BRAKE
Niels A. Christensen, South Euclid, Ohio
Application April 9, 1932, Serial No. 604,203
19 Claims. (Cl. 188—152)



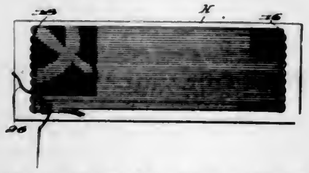
1. The combination with a control mechanism, a member to be controlled, an operator operated part, a power actuated cylinder having a piston therein operated by pressure differences, said piston being operatively connected to said member, a lost motion connection between said operator operated part and said member including a pair of relatively movable sections, a control valve casing supported by one section, a reciprocable valve in said casing, a valve operating lever of the first order supported by the other section and movably connected to said valve casing and connected directly to said reciprocable valve, and spring means connecting said valve operating lever and the casing for normally retaining said valve lever in release position.

2,150,022
POWER CONTROLLER FOR VEHICLE BRAKES
Niels Anton Christensen, South Euclid, Ohio
Application November 3, 1932, Serial No. 641,047
6 Claims. (Cl. 188—152)



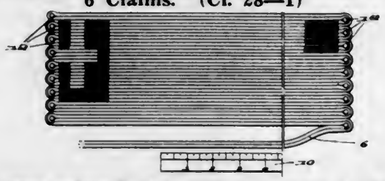
1. The combination with a power actuator having a movable part dependent upon differential pressures for operation, an operator operated part, a control valve operated thereby and including a casing and a valve operator pivotally connected to the valve casing and a pressure responsive device pivotally connected to the valve operator, spring means positioned between said pressure responsive device and the casing acting in a direction to oppose movement of the valve operator, and a conduit connecting the casing of said pressure responsive device on one side of pressure responsive device with the power actuator.

2,150,023
RUG AND METHOD OF MAKING THE SAME
Thomas H. Clack, New York, N. Y.
Application March 25, 1938, Serial No. 198,138
8 Claims. (Cl. 28—1)



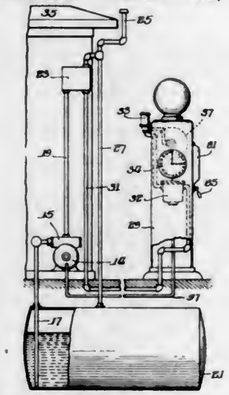
8. In the method of making a braid for a rug in which said braid is formed and fastened in side by side relation to form the rug, the steps consisting of drawing strands from freely unravelable sources of supply, holding the strands at a single point, frictionally gripping said strands remote from said point and between said point and sources of supply to hold said strands under tension, placing the mid-point of a length of pile forming material against said strands between said point and the point of frictionally gripping, drawing the free ends of such length of material around and between said strands to form a knot, pulling said knot toward said point and into contact with a precedingly formed knot, and making a plurality of similar knots to form a braid.

2,150,024
RUG MAKING
Thomas H. Clack, New York, N. Y.
Application October 25, 1938, Serial No. 236,947
6 Claims. (Cl. 28—1)



1. The method of forming a braided pile according to a predetermined design comprising preparing a chart showing the position of and length of colors upon the braid, preparing a board-like element into a width commensurate with the length of pile piece desired, wrapping a continuous length of pile material around said element a number of times equal to the number of pile pieces necessary to form the length of color on the braid as indicated by said chart, severing said wrapped material lengthwise of said element to produce a plurality of equal length pile pieces, and tying said pile pieces upon strands to form a completed portion of the braid as indicated by said chart.

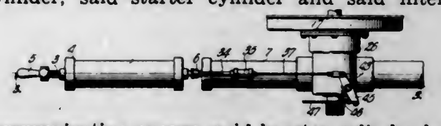
2,150,025
DISPENSING APPARATUS
Junius F. Cook, Jr., and James Ballard Moore, Chicago, Ill., assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application September 21, 1936, Serial No. 101,700
17 Claims. (Cl. 221—95)



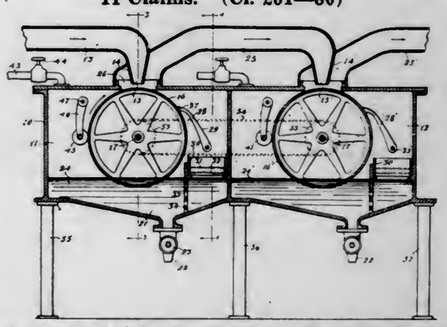
1. In a dispensing apparatus, the combination of a hose terminating in a nozzle, means for supplying a flow of fluid to said hose, means upon which said hose may be stored and from which it may be withdrawn by tension applied to the nozzle end of the hose, means operable automatically during the initial part of the withdrawing operation to render said flow supplying means operative, and means operable automatically during the initial part of the storing operation to render said flow supplying means inoperative.

2,150,026
STARTER FOR INTERNAL COMBUSTION ENGINES
Wayne C. Criley, Kansas City, Mo.
Application March 31, 1938, Serial No. 199,313
6 Claims. (Cl. 123—179)

1. A starter for internal combustion engines, including in combination a starter cylinder, a piston in said cylinder, means responsive to the movement of said piston for cranking an internal combustion engine, a detent for selectively preventing movement of said piston, a booster cylinder, a piston in said booster cylinder, means providing communication between said booster cylinder and said starter cylinder, a pump cylinder, a piston in said pump cylinder, means providing communication between said pump cylinder and said starter cylinder, liquid disposed in said pump cylinder, said starter cylinder and said intercommunicating means, said booster cylinder being filled with a gas under superatmospheric pressure, the construction being such that, with said detent in starter piston immobilizing position, movement of said pump piston in pumping direction will pump said liquid into said booster cylinder, displacing the booster cylinder piston to further compress the gas disposed therein, whereby when said detent is moved to free said starter piston, the pressure thus built up is free to move the starter piston to crank the internal combustion engine to be started.



2,150,027
APPARATUS FOR PURIFYING AIR
Ugo V. d'Annunzio, New York, N. Y.
Application October 30, 1937, Serial No. 171,827
11 Claims. (Cl. 261—80)

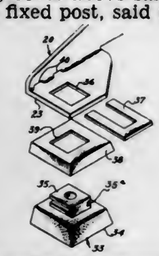


1. Apparatus for freeing a gas from small particles therein suspended, comprising a casing, an impurity collecting member having an endless surface, mounted within said casing, a nozzle for discharging said gas at a certain velocity directly against said surface, means for actuating said member so as to cause said surface to continuously travel in a given direction, means for maintaining said surface in a moist condition adapted to retain particles carried by said gas impinging against the same, and a discharge conduit for the purified gas deflected by said surface, the inlet of said conduit facing said surface at a point in close proximity of the outlet of said nozzle.

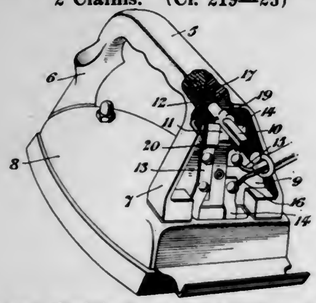
2,150,028
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 20, 1935, Serial No. 17,403
7 Claims. (Cl. 248—24)

1. In a portable typewriter, the combination

with a typewriting machine, of a baseboard, a shank provided upon the frame of said machine and having an eye, a soft rubber foot having a flange whereby it is buttoned into said eye and having lateral grooves above said eye, said baseboard having a fixed post, said rubber foot having a socket whereby it is removably fitted upon said post and a flat annular shoulder extending beyond said eye beneath the surrounding wall of the shank, and a locking-piece having parts engaging said lateral grooves and overlying the top wall of said shank.



2,150,029
ELECTRIC IRON
Alfred William French, Ladywood, Birmingham, England
Application April 13, 1937, Serial No. 136,577
In Great Britain April 14, 1936
2 Claims. (Cl. 219—25)



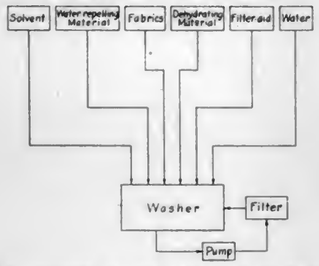
1. In an electric iron a cut out comprising in combination, a spring actuated plunger disposed in the handle of the iron, a contact member mounted on said plunger, a recess formed in the rear vertical member of the handle, fixed contact members mounted in said recess which are normally engaged by the contact member mounted on the spring actuated plunger, a cover mounted on said recess through which said spring actuated plunger passes, a stop mounted on said spring actuated plunger for limiting the movement of said plunger, a guide member mounted on said spring actuated plunger, a guide formed in said cover in which said guide member is normally positioned and a radial slot formed in said cover in which the guide member can be located to retain the movable contact member out of contact with the fixed contacts positioned in the recess of the handle.

2,150,030
METHOD OF FORMING INNER TRIM PANELS
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 19, 1936, Serial No. 106,363
6 Claims. (Cl. 154—2)

1. The method of forming inner trim panels which includes applying a relatively thick layer of adhesive to a backing sheet, applying a layer of loosely felted non-woven fibrous material to said adhesive covered backing sheet, simultaneously cutting substantially through said fibrous material to said backing sheet along predetermined lines and forcing the fibrous material cut downwardly toward said backing sheet to emboss the same, said cutting operation being performed while said adhesive is wet whereby the ends of the fibers cut will be bonded in position.

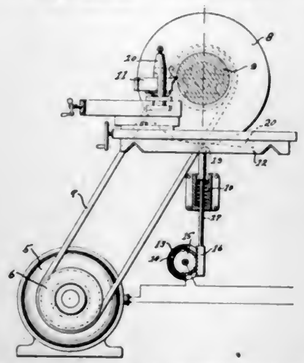


2,150,031
METHOD OF DRY CLEANING
Arthur Edward Hatfield, Toronto, Ontario, Canada
Application March 1, 1937, Serial No. 128,462
6 Claims. (Cl. 8—142)



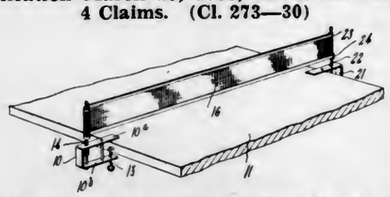
1. In a process of dry cleaning in which a dry cleaning bath is successively humidified prior to successive cleaning operations on successive batches of fabrics, the steps of dehydrating the solvent prior to each moisture charging step.

2,150,032
MACHINE TOOL SPEED CONTROL
Kenneth R. Herman and Harry F. Vickers, Detroit, Mich., assignors to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application October 18, 1937, Serial No. 169,626
10 Claims. (Cl. 82—21)



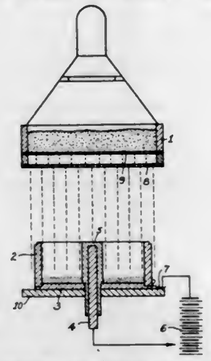
1. In a machine tool, a pressure source, a variable piston displacement motor connected to said pressure source comprising a driving shaft and a cylinder head universally connected thereto, the speed of said driving shaft being inversely proportioned to the angle between the central axes of said cylinder head and said driving shaft, a rotatable means, driven by said motor, for holding an article to be machined, a tool carriage, and means operatively connecting said carriage and said cylinder head whereby movement of said tool carriage as it is fed toward the axis of an article being machined will increase the speed of said motor and maintain a constant cutting speed.

2,150,033
SUPPORT AND REEL STRUCTURE FOR TABLE TENNIS NETS
Jacob Hillson, Brookline, Mass., assignor to Harvard Specialty Mfg. Corp., Cambridge, Mass., a corporation of Massachusetts
Application March 29, 1938, Serial No. 198,711
4 Claims. (Cl. 273—30)



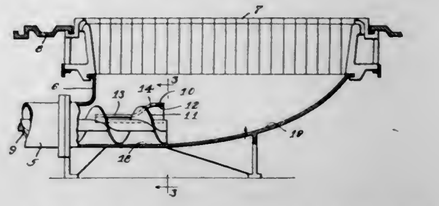
1. A support and reel structure for a table-tennis net equipped with a tubular end-seam, comprising a frame structure inclusive of means for securement to a table, a post upstanding from said frame and on which said tubular seam is loosely receivable, an elongated member of U-shaped cross section pivotally secured at its lower end portion to said post and swingable to an upstanding position so as partially to encompass said post and hold said tubular seam firmly against slippage upon rotation of said post, and means normally holding said post against rotation in said frame but being releasable to enable the rotation of said post and the winding thereon of net slack.

2,150,034
APPARATUS FOR FORMING BONDED GRANULAR ARTICLES
Romie L. Melton, Henry P. Kirchner, and Raymond C. Benner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application October 15, 1935, Serial No. 45,142
5 Claims. (Cl. 18—5)



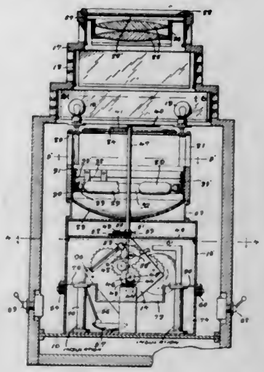
2. An apparatus for forming bonded granular articles comprising electrodes arranged to form a mold for said article, one of said electrodes having a facing of poorly conducting material to permit a leakage current to flow therethrough but of sufficient resistance to prevent arcing or spark over between said electrodes, means for applying a high electrical potential difference between the said electrodes, means for depositing elongated granular materials and a bond therefor into said mold and between said electrodes, said apparatus being adapted to electrostatically orient the elongated granular particles so that their longest dimensions lie in a predetermined direction.

2,150,035
COAL DISTRIBUTOR FOR STOKER RETORTS
Floyd R. Nelson, Rockford, Ill., assignor to Cotta Transmission Corporation, Rockford, Ill., a corporation of Illinois
Application January 2, 1936, Serial No. 57,153
5 Claims. (Cl. 110—45)



1. As an article of manufacture, a stoker feed screw retort baffle comprising an elongated arcuate plate adapted to be placed concave side down over a feed screw in the inlet end of a stoker retort, said plate having a longitudinally extending opening provided therein reaching from one end thereof to a point near the other end, the opening being of uniform width for a portion of its length, the width representing a large fraction of the width of the plate, and said opening being narrowed abruptly to approximately half the first width and being of uniform narrow width the rest of its length.

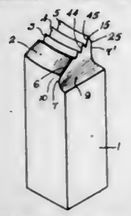
2,150,036
CLOCK
James J. Paris, George J. Paris, and Andrew J. Paris, Detroit, Mich.
Application November 9, 1936, Serial No. 109,994
1 Claim. (Cl. 58—50)



In a clock having a casing, clock mechanism in the casing having minute and hour hand

arbors disposed on a horizontal axis, a dial supported horizontally above the clock mechanism in said casing and formed of transparent material, minute and hour hand arbors for the dial extending vertically in the casing and connected to said minute and hour hand arbors of the clock mechanism for movement in timed relation therewith, hour and minute hands carried by the vertically disposed arbors movable over the face of the dial, a lens supported in horizontal position on the top of said casing in axial alignment with said hour and minute hands, a lamp bulb disposed in said casing for illuminating the dial, and a reflector in rear of the bulb for projecting the image of the hands and dial through said lens upon a ceiling; time controlled mechanism for energizing the lamp bulb comprising an alarm controlling gear, a time responsive shaft connected to said clock mechanism upon which said gear is slidably mounted, a hub on said gear having a cam notch, a leaf spring engaging said hub tending constantly to force the gear longitudinally of said shaft, an arm on said shaft normally engaged on the surface of said hub and adapted to ride into said notch in the gear to permit the gear to slide longitudinally of the shaft under impulse of the spring, the free end of said spring being adapted to follow the gear, a metal stop against which said free end of the spring lodges when the spring has moved the gear on the shaft, said spring and said stop forming a circuit closer, a source of electricity, and circuit wires connecting said circuit closer to the lamp bulb.

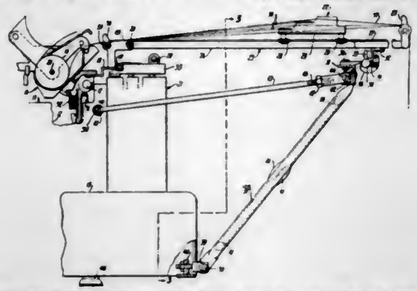
2,150,037
CHASER
Kenneth W. Reed, East Cleveland, and Harry A. Maurer, Novelty, Ohio, assignors to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1936, Serial No. 85,872
3 Claims. (Cl. 10—111)



2. A taper threading chaser having a plurality of teeth all of equal top rake and all of equal side rake, both rakes being formed by the chip groove surface, said teeth being sharper along the front edges of their entering ends than along the rear edges of the entering ends, and said chip groove so inclining from front to rear as to make the rear teeth shorter than the front teeth.

2,150,038
TYPEWRITING MACHINE
Walter T. Sagner, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 21, 1937, Serial No. 121,457
14 Claims. (Cl. 197—126)

14. In a typewriting machine having a frame and a carriage on said frame having a rearward extension; the combination with a rear track upon which said extension runs, of a truss structure supporting said track and comprising two divisions having pivotal joints to the frame and converging triangularly to and connected by a third pivotal joint behind said frame, and means readily adjustable for effecting adjustment of the

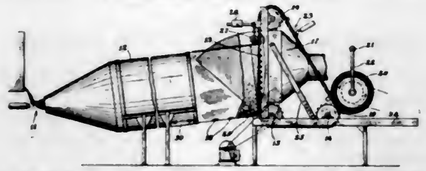


relative locations of said pivotal joints, whereby to adjust said track.

2,150,039
PREPARATION OF ORGANIC COMPOUNDS
Norman D. Scott, Sanborn, and Joseph Frederic Walker, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 12, 1937, Serial No. 136,434
14 Claims. (Cl. 260—671)

1. The process comprising reacting together an organic halide with a solution of the alkali metal addition compound of a polycyclic aromatic hydrocarbon.

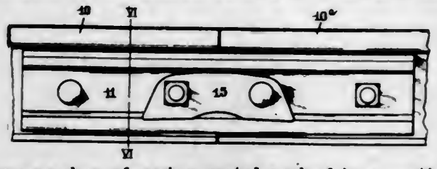
2,150,040
APPARATUS AND METHOD FOR MAKING MINERAL WOOL
William R. Seigle, Mamaroneck, N. Y., and Bailey Townshend, Westfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 26, 1935, Serial No. 56,218
7 Claims. (Cl. 154—27)



1. In an apparatus for forming and felting mineral wool fibres, means for converting a suitable molten material into fibres and suspending the fibres in a gaseous medium, a generally horizontally extendng chamber positioned to receive the resulting suspension, a gas-permeable conveyor member exposed in the said chamber at the end thereof remote from the position of shredding the molten material, means for felting fibres from the suspension upon the said member and drawing therethrough gas from the said suspension, and means for admitting additional gas through the lower portion of the said chamber to provide gas-washing of fibrous material tending to settle in the said chamber.

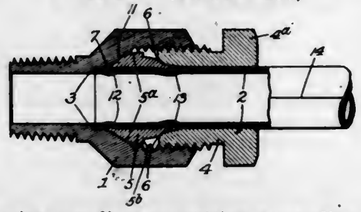
2,150,041
MEANS FOR SUPPORTING THE MEETING ENDS OF RAILROAD RAILS
William H. Sharp, Columbus, Ohio
Application July 21, 1936, Serial No. 91,678
4 Claims. (Cl. 238—244)

1. Means for supporting the meeting ends of railroad rails including a joint bar between the heads and bases thereof, said bar longitudinally recessed in its exterior face, a horizontally bent



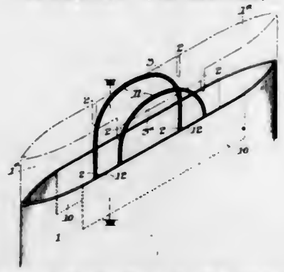
truss washer of spring metal arched in a vertical longitudinal plane to fit wedgingly and spring vertically in said longitudinal recess, and means for holding said washer tightly in said recess.

2,150,042
PIPE COUPLING
Michael L. Shultz, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application December 13, 1934, Serial No. 757,263
2 Claims. (Cl. 285—166)



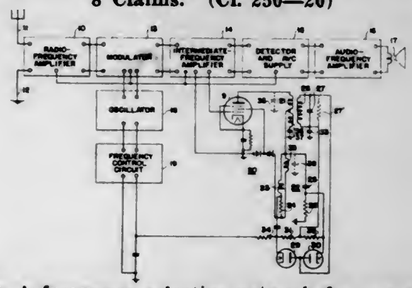
1. A pipe coupling comprising a coupling member, a clamping element separate therefrom but connected thereto by means of solder and into which coupling member and clamping element the pipe to be coupled is received, said clamping element having two separated pipe deforming portions, a second coupling member having a threaded connection with the first coupling member and into which the clamping element is received, and means on the two coupling members for forcing the deforming portions of the clamping element toward the pipe when the coupling members are rotated relatively, the relative rotation of the coupling members disconnecting the clamping element from its associated coupling member, the said coupling member riding upon the clamping element and distributing the solder between the opposed faces thereof.

2,150,043
MANUFACTURE OF BAG HANDLES AND BAGS COMBINED THEREWITH
William H. Stark, Langhorne, Pa.
Application September 17, 1937, Serial No. 164,376
12 Claims. (Cl. 229—54)



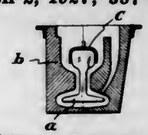
9. The combination with a bag having its open end provided with an internally folded rim, of a handle structure comprising a strip of stiff material and a looped cord applied thereto with straight runs extending across the strip and spaced equidistantly from the ends of the same; same internally folded rim portions having notches and the straight runs of the handle loops being disposed opposite said notches, and fastening means for said straight runs arranged to engage the ends of said notched portions of the internally folded rim.

2,150,044
FREQUENCY SELECTIVE NETWORK
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 1, 1937, Serial No. 166,749
8 Claims. (Cl. 250—20)



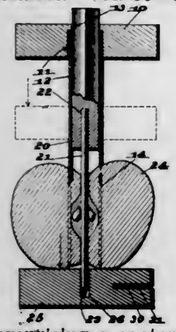
2. A frequency-selective network for operation over a given frequency range comprising an input circuit, a tuned circuit coupled to said input circuit, means for deriving a voltage from said input circuit the phase and magnitude of which vary with frequency with respect to the voltage across said tuned circuit and which is equal in phase and magnitude to the voltage across said tuned circuit at one of the limiting frequencies of said range, and means for deriving and rectifying a voltage proportional to the difference of said derived voltage and the voltage across said tuned circuit.

2,150,045
PROCESS OF WELDING METALS
Wilhelm Ahlert, Berlin-Tempelhof, Germany
Application January 6, 1936, Serial No. 57,864
In Germany January 5, 1935
7 Claims. (Cl. 22—204)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



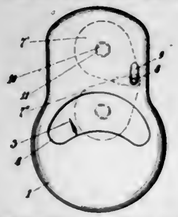
1. In the welding of metal parts, the process which comprises abutting metal parts to be welded, forming a mold around the resulting joint, at least partially covering the said joint with a heat-conducting cap conforming to the shape of said joint and of such character as to produce solidification of the slag of an aluminothermic charge contacted therewith, then contacting the so-protected joint with an aluminothermic charge in such manner that the slag congeals on said cover thus producing a form-fitting mold while fusion of said metal parts at the joint is produced by the heat of said charge, the said protecting cover being so constructed and arranged as to permit passage therethrough of sufficient heat to produce fusion of said parts.

2,150,046
COREER
Charles Tyler Bard, Gales Ferry, Conn.
Application May 13, 1938, Serial No. 207,828
7 Claims. (Cl. 30—278)



1. A corer comprising a centering rod adapted to be forced axially through the core of a fruit, a guide at one end of the rod, a corer sleeve received by the guide, and means for forcing said sleeve through the fruit as it is guided axially by the rod.

2,150,047
PHOTOELECTRIC EXPOSURE METER
Albrecht Bernhard and Guido Beyrich, Nuremberg, Germany, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgeraete, a German company
Application August 28, 1936, Serial No. 98,396
In Germany August 31, 1935
5 Claims. (Cl. 88—23)



1. A photo-electric exposure meter comprising a photo-electric element, a direct current measuring instrument, a housing for said element and instrument, and a bodily shiftable diaphragm for alteration of the range of measurement, said diaphragm being pivotally mounted in said housing and adapted to be shifted alternatively to a position in front of or aside from the sensitive surface of said element, said diaphragm being formed with a passage and a border forming means corresponding in contour to and disposed at the edge of said passage, said means projecting at right angles to the plane of said diaphragm.

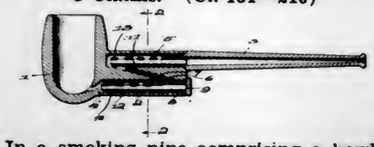
2,150,048
LEVEL
John B. Boyd, Reno, Nev.
Application April 28, 1938, Serial No. 204,882
1 Claim. (Cl. 33—209)

A level of the class described comprising a flexible conduit, transparent tubes having one end connected to the ends of said conduit, said tubes and conduits for the reception of a liquid, said tubes including substantially conical end portions providing valve seats and having vents in the apices thereof, float valves operable in the tubes on the liquid and engageable with the seats for closing the vents, said float valves having longitudinal air channels in the sides thereof, substantially cylindrical housings enclosing the tubes and having openings therein exposing said tubes, one end portion of the housings being spaced from the conical end portions of the tubes



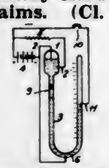
and having vents therein, removable caps threadedly mounted on said one end portion of the housings, gaskets in said caps engageable with the tubes for closing the vents therein, and apertured lugs integral with the caps for suspending the level on a support.

2,150,049
SMOKING PIPE
William B. Bush, Knoxville, Tenn.
Application December 24, 1936, Serial No. 117,644
3 Claims. (Cl. 131—210)



1. In a smoking pipe comprising a bowl having a side projection thereon for connection with a stem, said projection having a passageway therein leading from the bowl, a trough mounted in said passageway, said trough having its side walls provided with transversely overlapped fingers at the upper edges thereof and approximately in a plane where said side walls are at their greatest distance apart and spaced from the adjacent portion of the passageway, said fingers being arranged in staggered relation and laterally spaced from each other for the passage of smoke into said trough approximately throughout the major portion of the length thereof to trap nicotine from the smoke.

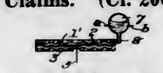
2,150,050
APPARATUS FOR TRANSLATING VARIATIONS OF ILLUMINATION INTO MECHANICAL ACTIONS
Constantin Chilowsky, Paris, France
Application September 14, 1935, Serial No. 40,657
In Germany January 5, 1935
22 Claims. (Cl. 200—52)



1. An apparatus of the type described which comprises, in combination, a closed rigid vessel having a gas space adapted to be exposed to the action of light, a liquid in said gas space electrolytically transformable into at least two gases

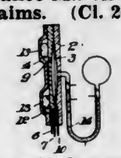
such that they combine together under the action of light with a resulting reduction of the total volume of the liquid and gases, electrolytic means for acting on said liquid, at least one stationary electric contact element inside said vessel, and a movable contact element adapted to cooperate therewith and constituted by a column of an electricity conducting liquid movable inside said vessel in response to variations of said total volume.

2,150,051
PHOTORESPONSIVE APPARATUS
Constantin Chilowsky, Paris, France
Application March 4, 1937, Serial No. 129,105
In France March 6, 1936
15 Claims. (Cl. 200—52)



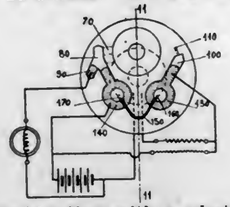
1. An apparatus which comprises, in combination, a vessel forming a reaction chamber containing chemical substances capable of producing variations of the pressure in said chamber in response to variations of the illumination of said chamber, at least one thin glass wall closing said chamber, and rigid means for limiting the deformations of said glass wall.

2,150,052
PHOTORESPONSIVE APPARATUS
Constantin Chilowsky, Paris, France
Application March 10, 1937, Serial No. 130,103
In France March 14, 1936
20 Claims. (Cl. 200—52)



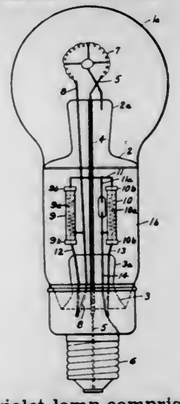
1. An apparatus which comprises, in combination, a cup-shaped plate, and a thin glass membrane fixed in a fluid-tight manner at its periphery to said plate so as to form therewith a reaction chamber adapted to contain chemical substances capable of producing pressure variations in said chamber in response to variations of the illumination thereof, and at least one rigid plate associated with said membrane for limiting the displacements thereof and forming a support for it.

2,150,053
MERCURY CONTACTOR
Constantin Chilowsky, Paris, France
Application May 19, 1937, Serial No. 143,489
In France December 12, 1936
14 Claims. (Cl. 200—52)



14. In combination with a photo-relay of the monoblock type comprising a plurality of glass plates assembled together by welding, a U-shaped system of passages including two parallel tube elements of relatively large section and a conduit of small section forming the bottom of the U and extending upwardly within said tube elements, said tube elements and conduit consisting of recesses formed in at least one of said glass plates, electric contacts in said tube elements, a plug at the upper part of each of these tube elements capable of allowing gases to flow therethrough but of stopping the passage of mercury, and a mercury column located in said tube elements and said conduit.

2,150,054
ULTRAVIOLET LAMP
Palmer H. Craig, Cincinnati, Ohio, assignor to Invex Corporation, a corporation of New York
Application May 18, 1933, Serial No. 671,727
7 Claims. (Cl. 176—1)

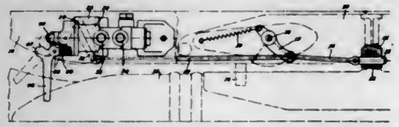


1. An ultra-violet lamp comprising an envelope formed of material transparent to ultra-violet radiations and having a bulbous section, a neck section and a pair of terminals at the end of the neck section, a flare sealed within said envelope for hermetically separating the bulbous section from the neck section, said neck section being provided with an ionizable atmosphere, a pair of spaced electrodes mounted within said neck section, a heater filament mounted within said neck section, an incandescent filament mounted in said bulbous section, connections from said terminals for energizing said heater filament and incandescent filament in serial circuit relation and for establishing a discharge between said electrodes, said connections including a conductor passing through said neck section and connecting one of said terminals to one end of said incandescent filament in the bulbous section, and means for insulating said conductor from the ionized discharge in said neck section.

2,150,055
REMOTE CONTROL APPARATUS FOR THE SUCCESSIVE RELEASE OF BOMBS IN AIRCRAFT
Raymond Defives, Brussels, Belgium, assignor to Servo-Frein Dewandre Societe Anonyme, Liege, Belgium
Application April 1, 1937, Serial No. 134,419
In France April 8, 1936
4 Claims. (Cl. 89—1.5)

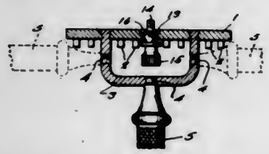
1. In a remote control device for actuating successively, on board an aeroplane, fluid motor operated bomb releasing mechanisms, a fluid motor for each of said mechanisms, a distributor for each of said motors, a source of fluid under pressure, a conduit for connecting the said source of fluid

with the said distributor, a member for cutting off the pressure of fluid in the said conduit, a first valve in the said distributor, a spring for acting upon the said valve to normally close the communication between the said conduit and the said motor, a second valve in the said distributor, a second spring for acting upon the said second valve to normally open the latter and establish the communication between the said conduit and the driving means for the bomb release mecha-



nism to be actuated next, a positive connection between the said first and second valve, means for automatically locking the said first and second valve after a movement of these valves against the opposing action of the said first and second spring, and means associated with the motor co-operating with the said distributor, for unlocking the said first and second valve when the pressure is cut off in the said conduit upon operation of the said motor.

2,150,056
SAFETY RAZOR
Samuel Ferich, Gary, Ind.
Application May 25, 1938, Serial No. 210,066
1 Claim. (Cl. 30—59)



A safety razor comprising a guard including teeth, a handle mounted on said guard, a clamp for securing a blade in position against the guard, said clamp including integral lugs on its corner portions for retaining the blade in position relative to said clamp, pivot screws threadedly mounted in certain of the lugs and including unthreaded portions journalled in certain of the guard teeth for hingedly mounting the clamp on said guard, and means for releasably securing the guard in closed position, the guard having a substantially conical opening therein, the clamp having a threaded opening therein for alignment with the conical opening, said means including a thumb screw extending through the conical opening for engagement in the threaded opening, said thumb screw including a head engageable with the back of the guard, and a substantially conical nut threaded on the thumb screw and engaged with the head thereof, the conical opening accommodating said nut, the nut being smaller than the conical opening and constituting means for loosely securing the thumb screw on the guard.

2,150,057
SHOE SOLE
Arthur Fisch, Heidelberg, Germany
Application May 5, 1938, Serial No. 206,244
In Germany January 8, 1938
8 Claims. (Cl. 36—29)

1. For footwear a combined sole and heel formed from rubber and comprising a heel portion, a shank portion and a sole portion, upwardly directed ribs formed on the heel portion and the shank portion to provide an air cushion thereover, a plurality of downwardly directed studs formed integrally upon the shank portion and arranged with their extremities disposed

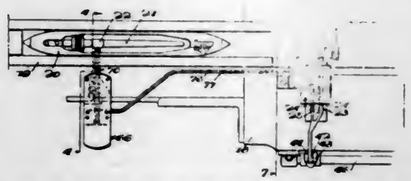


substantially in co-planar relationship to the under surface of the sole and the heel portions, and a metatarsal arch support conforming to the natural arch of the foot and being sub-divided by webs extending from the arch support to the sole.

2,150,058
FOOD PACKAGE
Ralph B. Frazier, Norristown, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 13, 1932, Serial No. 605,129
9 Claims. (Cl. 99—181)

1. A food package comprising a metallic material having at least the surface thereof which is in contact with the food product to be packaged composed of a composition which contains a substantial proportion of a vinyl resin of the group including polymerization products of vinyl esters and mixtures of vinyl esters.

2,150,059
LOOM
Saint Julian Geddings, New Brookland, S. C., assignor of one-fourth to James M. Goff, New Brookland, S. C.
Application October 16, 1937, Serial No. 169,443
3 Claims. (Cl. 139—269)

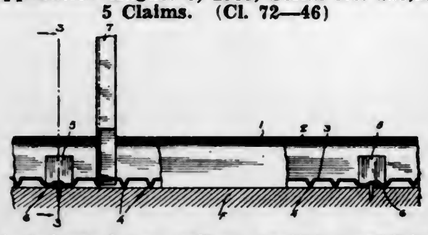


1. In a filling replenishing loom of the bobbin-changing class having a transferrer dog, a filling feeler slide having a forked end providing spaced tines, means to guide the filling feeler slide so that it reciprocates in a substantially horizontally rectilinear path, a rock-shaft which is continuously moved during the operation of the doom, an upstanding cam follower dog mounted upon the rack-shaft and having an engaging part projecting between the tines, a bridge mounted upon the tines, a generally horizontal pawl arranged between and pivotally connected with the tines, a means connected with the bridge and with the pawl to hold it elevated out of the path of travel of said engaging part, a generally inverted U-shaped lever having a forked end straddling the bridge and pivotally connected with the bridge and its free end engaging the pawl, electrically operated means to swing the lever toward the pawl for moving the same in to the path of travel of said engaging part, and means operated by the filling feeler slide to actuate the transferrer dog of the loom.

2,150,060
STABILIZING COLOR BINDING AGENT
Friedrich Hoermann von und zu Guttenberg, Genthin, and Rudolf Köhler, Dusseldorf-Benrath, Germany, assignors to the firm Henkel & Cie, Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany
No Drawing. Original application June 15, 1935, Serial No. 26,866. Divided and this application October 25, 1937, Serial No. 170,955. In Germany June 20, 1934
2 Claims. (Cl. 134—50)

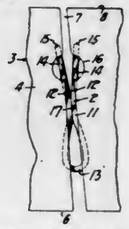
1. The method of stabilizing a color binding agent embodying a colloidal dispersion of a drying oil in an aqueous solution of an alkaline caseinate which comprises incorporating water-soluble polyphosphates therewith selected from the group consisting of $Na_5P_3O_{10}$; $Na_6P_4O_{13}$; $Na_{11}P_9O_{28}$ and $Na_{12}P_{10}O_{31}$.

2,150,061
WALL CONSTRUCTION
Harry Holdsworth, Bronxville, N. Y., assignor to Holdsworth Bros., Inc., New York, N. Y., a corporation of New York
Application August 5, 1938, Serial No. 223,196
5 Claims. (Cl. 72—46)



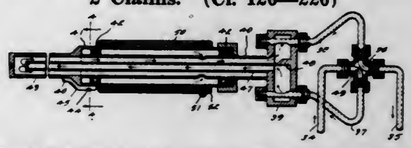
1. A base for a wall or partition, said base comprising laterally spaced and longitudinal body members and connecting means rigidly connecting said body members in lateral spaced relation, said connecting means being integral with and being located below the tops of said body members, said connecting means having openings which are shaped to receive upstanding studs and to hold said studs against substantial longitudinal movement relative to said body members.

2,150,062
PISTON EXPANDER
Charles F. Johnston, Oakland, Calif.
Application October 2, 1934, Serial No. 746,490
18 Claims. (Cl. 309—12)



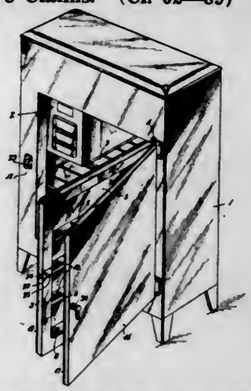
1. In an expander for a piston having the skirt portion thereof provided with a longitudinal slit recesses in the opposite side faces of said slit opening into said slit, a generally U shaped flat spring member provided with opposed longitudinal leg portions adapted for mounting at the inner side of said piston in substantially parallel relation to said slit and having transverse projections arranged to be sprung into said recesses for circumferentially expanding said piston.

2,150,063
HEATER FOR BEAUTY PARLOR TOOLS
Emmett Jefferson, New York, N. Y.
Application April 29, 1938, Serial No. 205,108
2 Claims. (Cl. 126—226)



2. A heater for beauty parlor tools comprising a hollow cylindrical tool holder having a reduced forward end portion, a spring clip secured at one end to said cylindrical tool holder for securing a tool in intimate contact with said reduced forward end portion of the tool holder, a tubular shaft upon which the tool holder is rotatably mounted, a hollow head, a pipe projecting from the head axially in the tubular shaft and reduced forward end portion of the tool holder, a partition disposed in the head at one side of the pipe for permitting a liquid heating medium to flow from the head through the pipe to the end of the reduced portion and then return outside of the pipe through the tubular shaft to the head, and means for supplying a heated liquid medium to said head.

2,150,064
REFRIGERATOR
Robert John, New York, N. Y., and Edmund R. Boots, Short Hills, N. J.; said John assignor to said Boots
Application February 8, 1933, Serial No. 655,836
8 Claims. (Cl. 62—89)



1. A domestic refrigerator comprising a cabinet having a front opening formed therein and a door hinged to the cabinet for closing said opening, said door having an inner wall located within said cabinet and outwardly extending end walls defining an open-faced auxiliary food compartment, means for cooling said compartment and panel means for closing the same from the outside, said last-named means being hingedly supported and common latching mechanism adapted to release either the panel or the door.

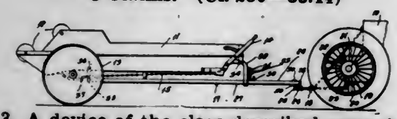
2,150,065
PEN DESK SET
David Kahn, Woodcliff, N. J., assignor to David Kahn, Inc., North Bergen Township, N. J., a corporation of New Jersey
Application November 18, 1937, Serial No. 175,321
4 Claims. (Cl. 120—108)

1. A simulated ball and socket joint including a socket member and a ball member having a

ball end mounted in said socket, both the ball and socket being provided with serrations forming overlapping interlocking portions whereby the ball is held immovably in the socket.

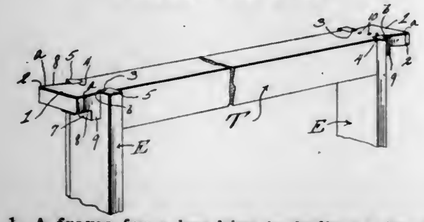


2,150,066
TRAILER HITCH AND FRAME
Daniel S. Kalb, Chatfield, Ohio
Application June 2, 1938, Serial No. 211,434
3 Claims. (Cl. 280—33.44)



3. A device of the class described comprising a frame formed of obliquely disposed side rails adapted to be secured to a two wheel trailer vehicle with its converging end extending forwardly of said vehicle, a wear plate provided with a central opening secured to the forward end of said frame, a second wear plate, and a bolt extending through said second wear plate and provided with a threaded end adapted to be removably secured to the drawbar of a draft vehicle to position its wear plate thereon with the opposite end of said bolt projecting upwardly to engage the opening in the first mentioned wear plate to swivelly connect the trailer and draft vehicle.

2,150,067
HIVE FRAME
Walter T. Kelley, Paducah, Ky.
Application November 8, 1938, Serial No. 239,544
2 Claims. (Cl. 6—10)

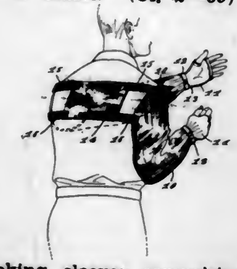


1. A frame for a bee hive including a top bar for coaction with the end bars of the frame, said top bar being provided at its opposite ends with extensions, the side faces of the extensions having portions disposed inwardly and rearwardly on an incline.

2,150,068
PROCESS FOR THE OBTAINMENT OF ARTIFICIAL RUBBER
Ernst Kleiber, Lugano, via Trevano, Switzerland, assignor to Hevapar S. A., Geneva, Switzerland, a corporation of Switzerland
No Drawing. Application July 6, 1936, Serial No. 89,247. In France April 11, 1936
8 Claims. (Cl. 106—23)

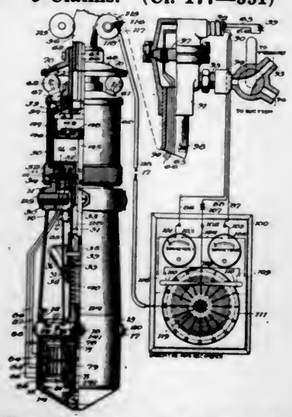
1. A method of obtaining a product having the appearance and the physical and chemical properties of natural plantation rubber which comprises treating with hydrochloric and nitric acids a carbohydrate of the group consisting of the sugars, sugar derivatives, and wastes from the manufacture of sugar, thickening the product thus obtained by means of turpentine, neutralizing by means of a base, and drying.

2,150,069
BERRY PICKING SLEEVE
Joseph J. Koleno, Joffre, Pa.
Application November 16, 1937, Serial No. 174,866
1 Claim. (Cl. 2—59)



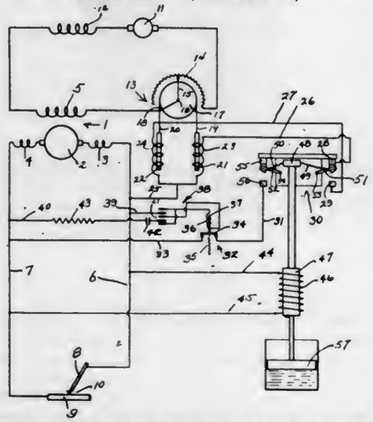
Berry picking sleeves comprising a pair of sleeves adapted to be drawn over the arms of the wearer, a substantially rectangular blank of fabric adapted to lie against the back of the wearer between both shoulder blades, upper and lower straps of elastic material secured to the side edges of the fabric blank and adapted to extend horizontally across the shoulder blades of the wearer, the upper straps being terminally connected to the upper edges of the sleeves and the lower straps being terminally connected to the edges of the sleeves at substantially the arm pits.

2,150,070
TELEMETER-TYPE INTERNAL CALIPER
Augustus G. Kregecz, Ben Avon, Pa.
Application November 2, 1937, Serial No. 172,453
6 Claims. (Cl. 177—351)



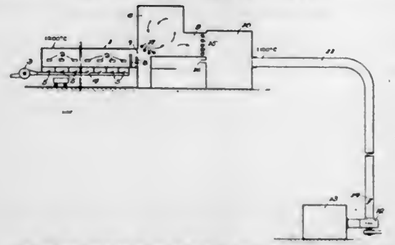
1. A caliper for measuring the internal diameter of tubes and the like, comprising a body member adapted to enter the tube, a plurality of feelers mounted in pairs on the body member and arranged for movement toward and away from the tube walls, said feelers having small end portions adapted to enter small depressions in the tube walls, electrical means arranged for actuation by the feelers and adapted to indicate the distance between the outer ends of opposite feelers of each pair, means for moving the body member and feelers along inside of the tube, pneumatic means adapted upon actuation to press the feelers firmly against the tubing walls and into depressions in the tube walls, means for supplying fluid under pressure to said pneumatic means, and means for retracting the feelers.

2,150,071
DYNAMO-ELECTRIC MACHINE CONTROL
George G. Landis and Norman J. Hoenie, Cleveland, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application June 21, 1934, Serial No. 731,783
5 Claims. (Cl. 219—8)



4. The combination with an electric arc welding current generator and an external arcing circuit, of means for varying the output of said generator by adjustments significantly different from each other, said means being selectively responsive to a short-circuiting of the arcing circuit for different periods of time, each longer than any occurring during the normal welding operation.

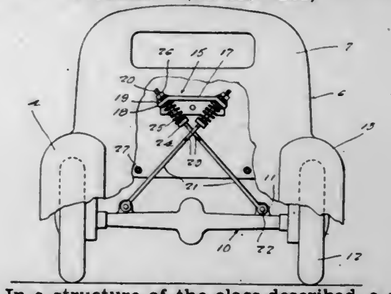
2,150,072
PROCESS OF MAKING ZINC OXIDE
William T. Maidens, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
Application December 13, 1933, Serial No. 702,252
11 Claims. (Cl. 23—148)



1. The process of making zinc oxide of acicular form which consists in vaporizing zinc in a reducing atmosphere at approximately 1200° C., then slowly mixing the zinc vapor with an oxidizing agent outside the furnace while maintaining the temperature at a degree not materially above or below 1100° C. and then refining the outside.

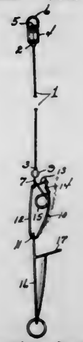
7. The process of making zinc oxide of acicular form, which consists in vaporizing zinc in a reducing atmosphere, and then slowly mixing the zinc vapor and an oxidizing agent in controlled condition to produce a lazy flame.

2,150,073
VEHICLE SUSPENSION MEANS
Floyd Malott, Marathon, Ohio
Application January 12, 1938, Serial No. 184,687
2 Claims. (Cl. 280—124)



1. In a structure of the class described, a running gear including a wheel supported axle, attaching ears on said axle, a pair of duplicate complemental stay rods having eyes at their lower ends pivotally attached to said ears, a body supported above said axle, said body including a compartment to accommodate and house said stay rods, the intermediate portions of the stay rods being disposed in intersecting relationship, and an adapter bracket supported rigidly in said compartment, the ends of the stay rods adjacent said bracket being yieldably and adjustably attached to said bracket.

2,150,074
TACKLE CONNECTOR
Howard E. McLure, New Castle, Pa.
Application October 19, 1936, Serial No. 106,434
1 Claim. (Cl. 43—28)



In a tackle connector including a leader wire having swivels secured to the ends thereof, one swivel being for the connection of a line thereto, and a safety snap hook connected to the other swivel and formed from a single strand of resilient wire bent to provide a latch arm having an outwardly flared free end, an arm formed on the opposite end of the latch arm and extending substantially parallel therewith, an inclined portion formed on the second arm and directed toward the latch arm, keeper means formed on the inclined portion to receive the latch arm, locking means extending from the keeper means and arranged in the path of the latch arm for

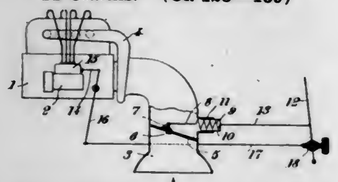
holding the latter within the keeper means, a shank extending from the locking means and connected to the inclined portion, and a head formed on the shank and mounted in the last mentioned swivel.

2,150,075

REGULATING DEVICE FOR INTERNAL COMBUSTION ENGINES SUPPLIED BY FUEL INJECTION

Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Société Anonyme Solex, Neuilly-sur-Seine, France, a French society

Application June 28, 1937, Serial No. 150,837
In France November 4, 1936
11 Claims. (Cl. 123—139)



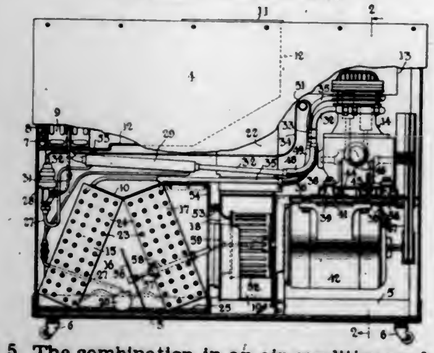
1. A feed-regulating device for an internal combustion engine comprising means for the injection of fuel in said engine, an element regulating the fuel delivery of said injection means, a conduit for the admission of air to said engine, a spring, an obturator in said conduit, the suction of said engine in said conduit acting in a direction tending to close said obturator, said spring acting in a direction to open said obturator, control means for displacing said element which regulates the fuel delivery, and connecting means between said control means and said spring, whereby movement of said control means varies the tension of said spring.

2,150,076

REFRIGERATION

Emil T. P. Neubauer and Alwin B. Newton, York, Pa., assignors to York Ice Machinery Corporation, York, Pa., a corporation of Delaware

Application September 25, 1936, Serial No. 102,588
In Great Britain December 12, 1935
9 Claims. (Cl. 62—129)



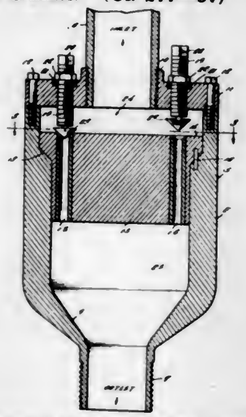
5. The combination in an air conditioner of an evaporator and a condenser forming part of a refrigerating circuit; a fan for circulating air through the condenser to cool the same; a sump for collecting beneath the path of condenser cooling air water drip from the evaporator; rotary spraying means associated with said sump for spraying said drip into the condenser air stream, at least a portion of the condenser being interposed between said spraying means and said fan; and a drive shaft for said spraying means extending through said interposed portion of the condenser and driven from said fan.

2,150,077

FLOW REGULATING MEANS FOR OIL WELLS

Jesse L. Oehler, Jennings, La.

Application February 11, 1938, Serial No. 190,116
3 Claims. (Cl. 277—57)



1. A flow control coupling of the class described comprising a body cylindrical in cross section and reduced in diameter at one end and terminating in a screw threaded attaching nipple, the opposite end being open and provided with an internal abutment shoulder, a disklike block fitting into said coupling and having a shoulder engaging first named shoulder, said block having a plurality of eccentric circumferentially spaced fluid passages extending therethrough, the outer end of said block terminating inwardly of the adjacent end of the body, an annulus detachably bolted on the open end of said body and constituting a closure and having a central screw threaded pipe attaching collar, and a plurality of eccentrically mounted individually adjustable screws threaded in said annulus and extending into said body and provided on their inner ends with self-adapting conical valve heads cooperable with said passages.

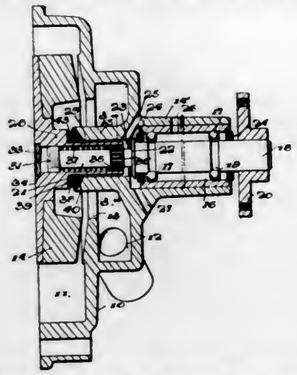
2,150,078

DRIVING AND SEALING MEANS FOR ROTARY FLUID IMPELLERS

Jim Pollock, Vinton, Iowa

Application June 28, 1938, Serial No. 216,333
2 Claims. (Cl. 103—111)

1. In apparatus of the character described, a casing having an internal sealing sleeve provided with a spherically curved seat, a rotary impeller within the casing and having a hub provided with a tubular part extending into the sealing sleeve, the tubular part having an exterior diameter considerably less than the interior diameter of the sleeve to afford a space between the same, an annular sealing disk surrounding said part and disposed between the hub and the sealing sleeve, the annular sealing disk having an internal diameter considerably greater than the external diameter of said tubular part so that there is a space between the same, said sealing disk having one end engaging the hub and its opposite end having a spherically curved face engaging the spherically curved seat, a bearing, a shaft rotatable within the bearing and having a part extending into the tubular part, means effecting a splined connection between the tubular hub part



and the shaft part, and a spring arranged within the tubular hub part and reacting against the shaft at one end and against the tubular part at the other end and serving to move the same toward the spherically curved seat.

2,150,079

LUBRICATING COMPOSITION

Carl F. Prutton, Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application August 17, 1936, Serial No. 96,537
14 Claims. (Cl. 87—9)

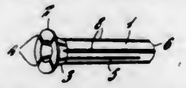
1. A lubricating composition containing as a principal lubricating constituent a major amount of mineral lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein a total amount of at least .1%, based on the amount of mineral oil, of both an oil-soluble halogenated oxygen-free aromatic compound and an oil-soluble organic oxygen compound, the proportion of each of said compounds being less than 20% based on the amount of said mineral lubricating oil and said compounds being of the type which will not substantially evaporate from such lubricating composition at ordinary temperatures.

2,150,080

WALL PLUG

John Joseph Rawlings, London, England, assignor to The Rawlplug Company Limited, London, England

Application September 22, 1937, Serial No. 165,180
In Great Britain July 13, 1937
7 Claims. (Cl. 85—2.4)



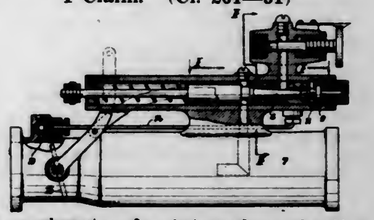
2. A tubular wall plug comprising a body portion closed at one end and enlarged at the opposite end to form a flared portion and a relatively thin flange portion at the outer end of the flared portion, the flared portion and the flange being divided into parts by slots commencing at the outer edge of the flange and terminating at the inner end of the flared portion.

2,150,081

CARBURETOR FOR INTERNAL COMBUSTION ENGINES

Ignaz Schorsch, Prague, Czechoslovakia

Application June 24, 1936, Serial No. 87,103
In Czechoslovakia May 9, 1936
1 Claim. (Cl. 261—51)



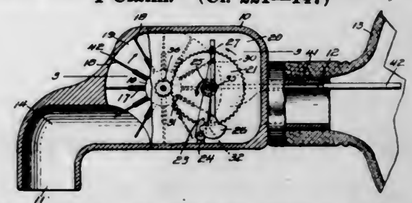
In a carburetor for internal combustion engines the combination of a fuel conduit for leading the main supply of the fuel to the suction tube of the carburetor a needle valve controlling said conduit, a butterfly throttle located in said suction tube controlling the movement of said needle, a slow-running nozzle located beyond said throttle, a fuel duct leading to said slow-running nozzle, a second valve coaxial with and abutted by said needle valve as the latter approaches its closed position for lifting said second valve from its seat controlling said fuel duct controlled by said needle valve, said second valve being automatically opened when said butterfly throttle is brought to the slow-running position and automatically closed when said butterfly throttle passes to the positions for normal or higher speeds of the motor, a third valve located intermediate the mouth of said fuel duct and said slow-running nozzle for regulating the flow of fuel thereto and a fourth valve also located intermediate the mouth of said fuel duct and said slow-running nozzle controlling the fuel passing to said slow-running nozzle independently of said butterfly throttle.

2,150,082

MEASURING DEVICE

Ivan F. Sprunger, Fort Wayne, Ind.

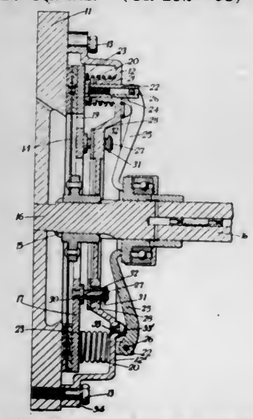
Application December 6, 1937, Serial No. 178,387
1 Claim. (Cl. 221—147)



A device of the character described, comprising a body having an outlet passage formed therein, a rotor rotatably mounted within said body and equipped with blades adapted to be operated by a flow of liquid through said passage; a transversely extending shaft journaled in said housing, connected to said motor and rotatably therewith; a gear mounted on said shaft; a pair of rocker arms pivotally mounted in said housing and having a gear supported therebetween; a pendulum swingable in said housing and connected to said rocker arms and adapted to position said rocker arms in a manner to mesh said second mentioned gear with said first mentioned gear in one position and to position said rocker arms in a manner to disengage said second mentioned gear from said first mentioned gear; an

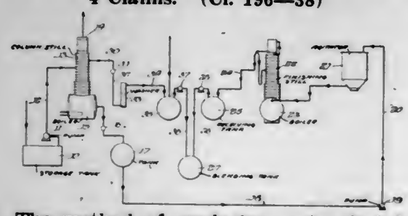
adjustable stop carried by said housing and adapted to engage said second mentioned gear to prevent rotation thereof in one direction when said second mentioned gear is meshed with said first mentioned gear and means connecting said second mentioned gear and said rocker arms for rotating said second mentioned gear when said second mentioned gear is disengaged from said first mentioned gear.

2,150,083
PLATE CLUTCH
George Enoch Stanley, Coventry, England
Application January 25, 1937, Serial No. 122,276
In Great Britain January 31, 1936
12 Claims. (Cl. 192—68)



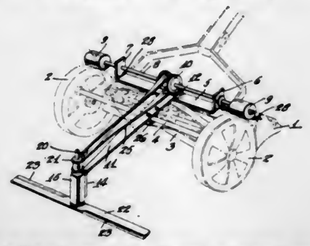
1. A plate clutch comprising a driving member, a driven member, a presser-plate for clamping said driven member against said driving member, means slidingly supporting said presser-plate from said driving member, spring means lightly biassing said presser-plate in the disengaging direction, more than five stronger springs acting on said presser-plate to hold it in the clamping position, clutch-withdrawal levers, and means interconnecting said levers and said stronger springs whereby on the operation of said levers the pressure of said stronger springs will be removed from said presser-plate to allow disengagement thereof under the action of said lighter spring means.

2,150,084
REFINING BENZOL LIGHT OIL FOR MOTOR FUEL
Arthur L. Tannehill, Gary, Ind.
Application April 9, 1936, Serial No. 73,520
4 Claims. (Cl. 196—38)



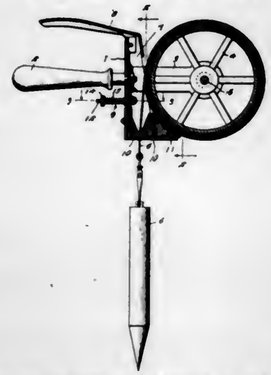
1. The method of producing motor fuel from benzol light oil, which comprises distilling forerunnings from said light oil in such manner as to expel the bulk of the acidic gases as vent gases, washing said forerunnings with caustic alkali to further remove objectionable compounds, washing the residue oil with sulphuric acid to remove sulphur compounds, distilling said acid washed residue oil, blending the distillate with said washed forerunnings, and adding an inhibitor.

2,150,085
LAWN MOWER
Claude O. Todd, Washington, D. C.
Application October 13, 1938, Serial No. 234,818
5 Claims. (Cl. 56—238)



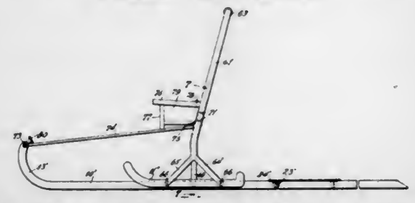
2. An attachment for lawn mowers comprising supporting means, a yoke mounted at one end thereof, a shaft rotatably mounted in said yoke, engaging means on the ends of said shaft, a pulley mounted on said shaft, a second shaft mounted at the opposite end of said supporting means, said second shaft having a rotary cutting means at one end thereof and a pulley at the other end thereof and rotating in a substantially horizontal plane when said attachment is mounted on a lawn mower, and a belt connecting the two pulleys.

2,150,086
OIL GAUGE LINE WIPER AND BRAKE
Sam O. Truman, Overton, Tex.
Application October 18, 1937, Serial No. 169,726
3 Claims. (Cl. 242—84.8)



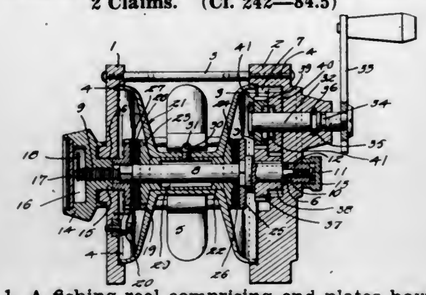
1. In an oil gauge line device, a main member; a handle on said member, a reel journaled on said member and having wound thereon a weighted gauge line, an auxiliary member pivoted on said main member and having the gauge line passing therethrough as it moves onto and off of the reel, opposed wiper elements carried by said main and auxiliary members to contact opposite sides of the gauge line so as to remove oil therefrom as the line is wound on the reel, spring means connecting said main and auxiliary members and acting to constantly urge and yieldably hold said wiper elements in wiping engagement with the gauge line, a brake shoe located on said auxiliary member in opposed relation to but normally free of engagement with the gauge line as wound on the reel, and manually operable means for moving the auxiliary member on the main member to place the brake shoe in braking engagement with the coiled line on the reel.

2,150,087
SLIDING SCOOTER
Olof Helmer Walgren, Grand Forks, N. Dak.
Application June 6, 1938, Serial No. 212,140
1 Claim. (Cl. 280—23)



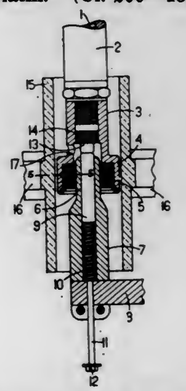
A sliding scooter having a frame comprising a tubular member formed of substantially inverted U-shape, providing vertical legs and a horizontal handle portion, relatively short spring steel side runners at opposite sides of said frame, a relatively long spring steel main supporting and steering runner intermediate said side runners and extending an appreciable distance both forward and rearward of said side runners, the lower end of each of said legs being split upwardly and bent to form two diverging brace members, each of said brace members being split and spread apart forming attaching feet embracing the web of a side runner and means for supporting said main runner comprising a brace member rigidly secured to said main runner and diverging upwardly and outwardly and secured to said leg members.

2,150,088
FISHING REEL
John A. White, Harlingen, Tex.
Application July 7, 1937, Serial No. 152,445
2 Claims. (Cl. 242—84.5)



1. A fishing reel comprising end plates having aligned shaft openings, connecting means joining said end plates, a reel shaft loosely received in said shaft openings, means journaling said shaft in one of the openings, a finger piece including a hub threaded on said shaft and acting as a journal for the latter in the other shaft opening, clutch plates fixed for rotation with the shaft and one abutted by the hub of the finger piece and slidable relative to said shaft and including a ratchet gear and the other of said clutch plates being fixed against endwise movement on the shaft a sleeve journaled on the shaft and including clutch plates to coact with the first-named clutch plates in establishing a releasable friction drive between said shaft and sleeve controlled by the adjustment of the finger piece on the shaft, a reel line secured on said sleeve, a hand operated means for rotating the shaft, and a spring dog pivoted on one of the end plates and engaging the ratchet gear of one of said clutch plates.

2,150,089
CIRCUIT BREAKER
George Ethelbert Whitehead, Cardiff, South Wales, assignor to Whitehead Switchgear and Inventions Limited, Cardiff, South Wales, a corporation of Great Britain
Application March 22, 1938, Serial No. 197,449
In Great Britain May 7, 1937
1 Claim. (Cl. 200—150)

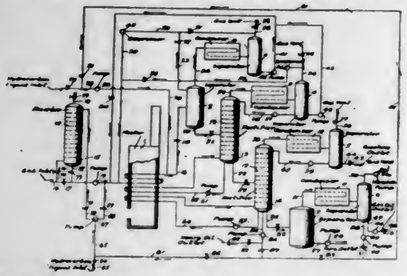


For an electric oil circuit breaker, a fixed metal housing having a main current carrying fixed contact of the resilient sleeve type carried at the mouth thereof, said housing having at least one hole therein above said main fixed contact, a rigid butt type arcing contact within said housing and having its contact surface above said main fixed contact, a main moving contact in the form of a plug adapted to cooperate with said resilient sleeve type contact, said plug contact being tubular, and a spring urged arcing contact in the form of a plunger carried within the bore of said plug contact and adapted to make and break engagement with said fixed arcing contact within said housing.

2,150,090
APPARATUS FOR CONVERTING HYDROCARBONS
Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Original application September 11, 1930, Serial No. 481,318. Divided and this application September 9, 1935, Serial No. 39,839
5 Claims. (Cl. 196—10)

1. In an apparatus of the character described, a furnace, a heating tube for conveying a stream of hydrocarbons through the furnace, a first separator connected to the outlet end of said tube and in which gases and vapors separate from liquid, a second separator for separating lighter gases from heavier ones, a first pipe leading from the top of the first separator to the second separator, means for cooling gaseous material flowing through the pipe for condensing a portion of said material before the latter flows into the second separator, valve controlled means for venting

uncondensed material from the top of the second separator, means for returning condensate from the second separator to the intake of the heating tube, a rectifying column, a pipe for leading liquids from the bottom of the first mentioned separating chamber into the medial portion of the rectifying column, means for heating the bottom portion of the rectifying column, a conduit for discharging gaseous material from the top of the rectifying column, a third separator receiving the



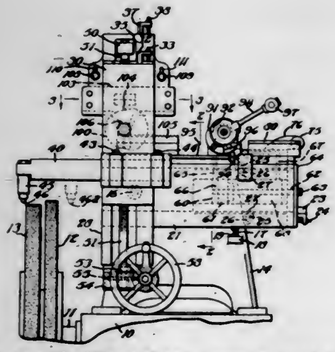
material from said conduit, a cooler for cooling said material as it flows through the conduit for condensing a portion of said material before it enters the third separator, means for returning a portion of the last mentioned condensate into the top of the rectifying column for reflux purposes, means for returning another portion of said last mentioned condensate to the intake of the heating tube and means for withdrawing liquid hydrocarbons from the rectifying column.

2,150,091

GRINDING WHEEL TRUING APPARATUS

Charles C. Alvord, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 15, 1937, Serial No. 130,863
13 Claims. (Cl. 125—11)



1. In a grinding wheel truing apparatus, a truing tool, a longitudinally traversable truing tool holder, means to traverse said holder and truing tool across the peripheral face of a grinding wheel, and means including a rotatable cam and follower which are actuated by and in timed relation with the traversing movement of said holder and tool to move the tool toward and from the periphery of the grinding wheel to true a predetermined shape thereon.

2,150,092

PROCESS FOR THE PREPARATION OF ANTHRAQUINONEDIPHENYLDITHIAZOLES

Earl E. Beard, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1937, Serial No. 127,175
5 Claims. (Cl. 260—303)

1. In the process for preparing 1,2,5,6-anthraquinone-C-diphenyldithiazole, the step which comprises carrying out the reaction of the 2,6-diaminoanthraquinone with sulfur and benzotrichloride in the presence of material amounts of 2,7-diaminoanthraquinone, whereby the yield of yellow dyestuff obtained based on the amount of 2,6-diaminoanthraquinone employed is improved.

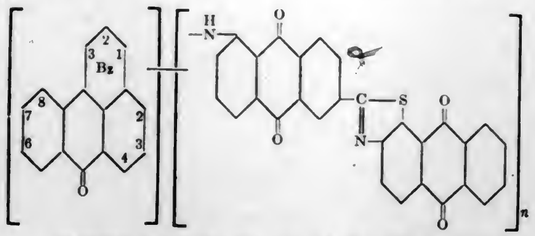
2,150,093

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Earl E. Beard, South Milwaukee, and Melvin A. Perkins, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1937, Serial No. 138,376
2 Claims. (Cl. 260—303)

1. The compounds obtained by the alcoholic alkali condensation of the benzanthrone imides of the class consisting of those having the formula



wherein *n* stands for one of the whole numbers one and two, and wherein one iminoanthraquinonyl-1,2(N)-anthraquinonethiazole is attached to the benzanthrone nucleus in the Bzl-position and when a second imino group is present it is attached in the 6-position of the benzanthrone nucleus.

2,150,094

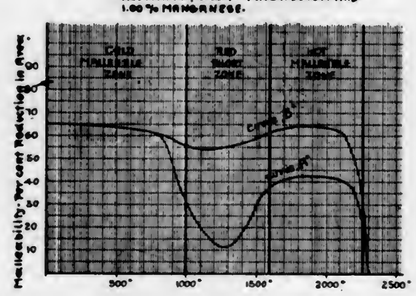
TREATMENT OF NICKEL AND NICKEL ALLOYS AND PRODUCTS RESULTING THEREFROM

Clarence George Bieber, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application February 21, 1935, Serial No. 7,488
Renewed August 9, 1938
9 Claims. (Cl. 75—82)

1. The improved process of treating a nickel

mass of the group of materials consisting of malleable nickel and malleable nickel alloys having red shortness to render the same substantially free from defects including seams, splits, cracks and the like and to render the same substantially free from red shortness which comprises subjecting a nickel mass of the aforesaid character to a preliminary deoxidizing and malleableizing treatment to produce a deoxidized and malleableized nickel mass possessing red shortness; then adding to said deoxidized and malleableized nickel mass, while molten, a controlled, restricted, and critical amount of a counteracting agent of titanium and of a counteracting agent of the group consisting of boron and phosphorus to render said mass, when solidified, substantially free from defects including seams, splits, cracks and the like and to render the same substantially free from red shortness and to impart to said nickel mass, when solidified, malleability permitting working with standard mill



equipment from the hot malleable zone to and into the cold malleable zone; determining the sufficiency of the controlled, restricted and critical amount of the aforesaid agents on test samples by the "hammer and anvil" test while the mass is maintained molten; and repeating the aforesaid adding operation until the "hammer and anvil" test determines the sufficiency of the controlled, restricted and critical amount of the agents added to render the nickel mass, when solidified, substantially free from defects including seams, splits, cracks and the like and to render the same substantially free from red shortness and to impart malleability to said nickel mass, when solidified, from the hot malleable zone to and into the cold malleable zone, whereby the treated nickel mass can be worked with standard mill equipment from about 2000° F. in the hot malleable zone through the red short zone extending from about 1500° F. to about 1000° F. and into the cold malleable zone below about 1000° F.

2,150,095

METHOD OF TREATING NICKEL-COPPER ALLOYS AND PRODUCTS RESULTING THEREFROM

Augustus Ernest Kayes, Huntington, W. Va., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 19, 1935, Serial No. 17,258. Renewed August 9, 1938
13 Claims. (Cl. 75—170)

1. In the process of treating a mass of conventionally deoxidized and malleableized nickel and nickel alloys having red shortness to render the same substantially free from seams and from red shortness that improvement which comprises treating a mass of the aforesaid character while molten and after conventional deoxidizing and malleableizing treatments with a controlled, critical and small amount of zirconium and a member of the group consisting of boron and phosphorus to render said mass, when solidified, substantially free from seams and from red shortness and to impart malleability to said nickel mass, when solidified, from the hot malleable zone to the cold malleable zone.

2,150,096

PROCESS FOR APPLYING CELLULOSE DERIVATIVE LACQUERS

Charles Bogin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application April 29, 1938, Serial No. 205,005
6 Claims. (Cl. 91—70)

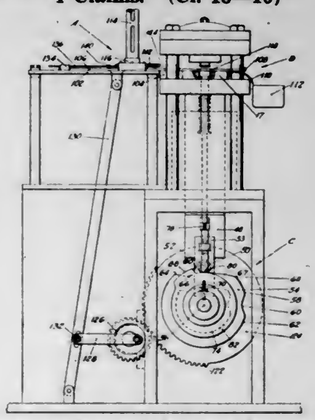
1. In a process for coating a surface by spraying thereon a cellulose derivative lacquer comprising a cellulose derivative and a volatile solvent component which is an active solvent for said cellulose derivative at atmospheric pressure, said lacquer having a concentration of solid constituents producing an undesirably high viscosity for spraying at the atmospheric temperature, the steps which comprise heating said lacquer to a temperature sufficiently above the atmospheric temperature to reduce the viscosity thereof to the desired spraying viscosity at the spraying temperature, but below a temperature at which excessive decomposition takes place during the time of heating thereof, providing in the solvent component of said lacquer at least one slowly evaporating constituent of such a character and in such a proportion to prevent substantial ebullition at the spraying temperature and pressure and to secure the desired flow characteristics in the applied film, and spraying the hot lacquer onto the said surface.

2,150,097

AUTOMATIC MOLDING APPARATUS

Gothfried C. Gunderson, Perth Amboy, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

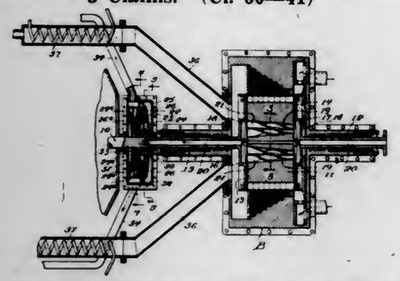
Application February 21, 1935, Serial No. 7,492
4 Claims. (Cl. 18—16)



1. An automatic molding machine comprising

a plural part mold having a mold cavity, one of said parts having a relatively large movement to open and close the mold, means for positively moving said part to open and close said mold, and another of said parts having a relatively small movement and yielding means opposing the movement of the other part to compress the molding material to shape in the mold with a regulated yielding pressure, an ejector positively actuated and operable through the positively actuated part of the mold in timed relation with the separation of the mold parts to move the inner surface of the molded piece to a position substantially flush with the outer face of the mold, and piece-removing means movable across the face of the mold in timed relation with the opening of the mold and the operation of the ejector to remove the molded piece from the open mold; the parts of the mold, the ejector and piece-removing means acting automatically and independently of any supervisory act on the part of an attendant.

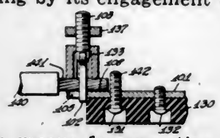
2,150,098
COOLING MEANS FOR COMBUSTION TURBINES
Alexander J. Jodeiko, New York, N. Y.
Application March 27, 1936, Serial No. 71,307
3 Claims. (Cl. 60—41)



1. In a combustion turbine a rotor formed with a concentric series of frusto-conical bores extending therethrough and serving as passages for a cooling fluid, the intake ends of the bores being smaller than the outlet ends thereof, spiral vanes disposed in the bores with the spiral set to accelerate the flow of fluid therethrough when the turbine is energized, a pair of hollow shaft sections formed with plates at the ends thereof connected to opposite sides of the rotor, said shaft sections extending from opposite sides of the axial center of the rotor and being adapted to support the rotor, said plates and rotor being formed so as to provide chambers on opposite sides of the rotor communicating with the bores in the rotor, the said bores in the shaft sections communicating with the chambers so as to form a continuous cooling fluid passage, a centrifugal pump mounted on one of the shaft sections adjacent the outlet end of the bore and communicating with the bore so as to draw a cooling fluid through the passage.

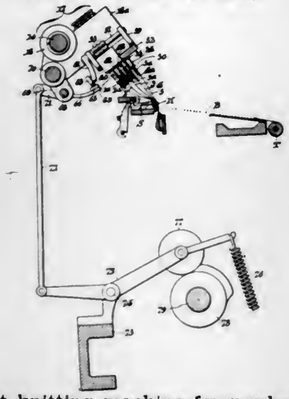
2,150,099
CONNECTION BLOCK TERMINAL
Alfred R. Kuhn, Queens Village, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York
Application April 4, 1935, Serial No. 14,722
2 Claims. (Cl. 173—324)

1. Terminal for receiving a cable comprising in combination a bar fitting having a perforation therethrough for a cable, a U-shaped clamping member embracing the flat sides of the bar fitting and coacting with said fitting to provide ends for gripping a cable inserted through said perforation, said clamping member being guided against turning by its engagement with the sides



of the fitting, means for operating the clamping member, a bar approximately at right angles to the fitting, and means securing said bar to the fitting, said means including a slot in one of the two elements and a tongue on the other extending into the slot.

2,150,100
KNITTING MACHINE
Willy Hermann Lasch, Philadelphia, Pa., assignor to Rosedale Knitting Co., Inc., Rosedale, Reading, Pa., a corporation of Pennsylvania
Application July 11, 1934, Serial No. 734,567
9 Claims. (Cl. 66—128)

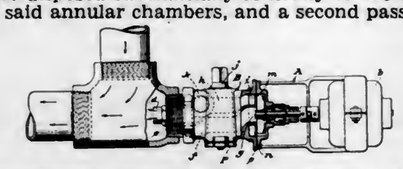


1. A flat knitting machine for producing split ringless fabric, comprising in combination, a plurality of carrier rods with means for selecting them successively for actuation in a predetermined repeating sequence to feed as many different main yarns to the needles of the machine; a carrier rod for independently feeding a supplemental yarn; and mechanism for controlling variant movement of the supplemental yarn carrier rod, said mechanism including abutments for concurrently limiting the movement of the main yarn carrier rods compensatively, with determination of split overlap sutures between the fabric areas respectively knit from the main and supplemental yarns; and means for positively locking the idled main yarn carrier rods against accidental movement.

2,150,101
FLUID CIRCULATION APPARATUS
Ulysses G. Lee, Chicago, Ill., assignor, by mesne assignments, to Valley Appliances Company, Chicago, Ill., a business trust
Application May 11, 1936, Serial No. 79,121
8 Claims. (Cl. 103—103)

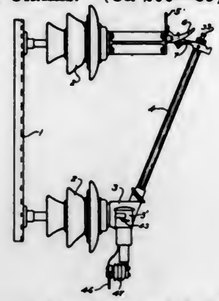
1. A unit of the class described for insertion between a pump unit and the piping of a system, said unit having spaced apart annular chambers with an annular inlet port and an outlet port for each of said annular chambers, a passageway

communicating with the outlet port of one of said annular chambers and having a discharge port disposed substantially centrally of the other of said annular chambers, and a second passage-



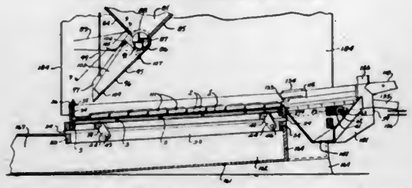
way communicating with the outlet port of the other of said annular chambers and having a discharge port disposed substantially centrally of the first mentioned annular chamber.

2,150,102
CIRCUIT BREAKER
George N. Lemmon, Homewood, Ala., assignor to The Southern States Equipment Company, Birmingham, Ala., a corporation of Alabama
Application May 31, 1932, Serial No. 614,319
30 Claims. (Cl. 200—89)



2. In a circuit breaker, a tubular insulating container, a flexible conductor within the container and completing a circuit therethrough, spring means operable to remove the flexible conductor from its normal position, automatic means operable upon overload in the circuit to initiate the action of the said spring means, together with non-automatic means operable at will to initiate the action of the said spring means and to break the circuit through the container.

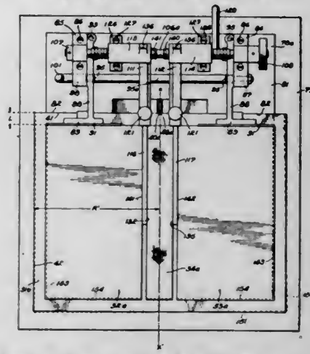
2,150,103
METHOD AND MECHANISM FOR SEPARATING INTERMIXED DIVIDED MATERIALS
Richard Peale, St. Benedict, Pa., assignor, by mesne assignments, to Peale-Davis Company, Wilmington, Del., a corporation of Delaware
Application April 13, 1927, Serial No. 183,262
Renewed July 8, 1938
11 Claims. (Cl. 209—469)



1. The process of separating intermixed divided materials varying relatively greatly in size and varying relatively little in specific gravities which comprises feeding the intermixed materials onto the rear of an air-pervious table and maintaining a bed of the materials upon the table, and subjecting said bed of materials to recurrent pulsating lifting air currents of substantially uniform intensity throughout the larger part of the area of the bed and subjecting the forward end of the bed to recurrent pulsating lifting air currents of greater intensity and different phase, and longitudinally reciprocating the bed to progressively effect complete stratification and separation of the materials and a flow of the bed along the table.

2. A mechanism for separating intermixed, divided materials varying relatively very greatly in size and varying relatively little in their specific gravities, which comprises an air pervious table, means for separating the materials comprising devices for longitudinally reciprocating the table, and means for feeding the intermixed materials crosswise of the table, and a device suitable to direct a selected part of the crosswise stream of the materials to a selected part of the width of the table.

2,150,104
APPARATUS FOR MAKING BOOK COVERS
Winfred Elmo Reavis, Los Angeles, Calif., assignor to Picture Cover Bindings, Inc., Brooklyn, N. Y., a corporation of New York
Original application May 25, 1936, Serial No. 81,669. Divided and this application October 10, 1936, Serial No. 105,027
10 Claims. (Cl. 11—2)

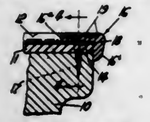


2. A device for positioning liner members on a cover sheet having a notch in substantially the center of the head guide edge thereof, including: a support having a face to receive a cover sheet; guide means for positioning said cover sheet with its inner face exposed, said guide means having a head guide and a positioning member for engaging said notch when said cover sheet is in engagement with said head guide; liner guide means mounted on said support, said liner guide means including a head liner guide operative in spaced relation to said head guide, and joint defining guides comprising a pair of members extending perpendicularly to said head guide and being adapted to receive a back liner therebetween, there being means for adjusting said members relatively together and apart while maintaining the same equidistant from said positioning member; and means for raising and lowering said liner guide means relative to said face of said cover support.

2,150,105
MARGINAL REINFORCING FOR TREADS
Isaac W. Robertson, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 3, 1935, Serial No. 19,566
4 Claims. (Cl. 20—79)

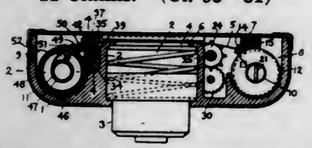
4. The combination which comprises a flexible mat formed with a rabbetted marginal portion

in its top face, a non-metallic edging strip having at least a portion of its structure seated in said rabbet, a metallic reinforcement on the under side of said edging strip, said reinforce-



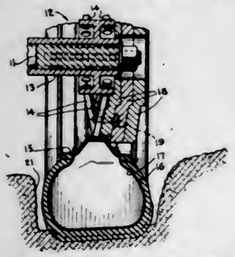
ment being coextensive with said rabbet, and means extending through the strip and its reinforcement for attachment to an underlying structure.

2,150,106
CAMERA
Louis Otto E. Roessel, Chappaqua, N. Y., assignor of one-half to Universal Development Corporation, New York, N. Y.
Application April 30, 1938, Serial No. 205,163
11 Claims. (Cl. 95—31)



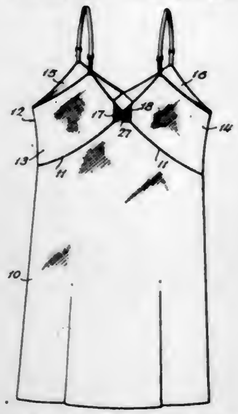
1. A camera comprising a casing with an objective lens, means to rotatively and removably support a roll of films at one end of the camera, means to guide the film in front of the lens to the other end of the camera, means to rotatively support a spool for the exposed film at the other end of the camera, a knife, a guiding member for the knife with a slot extending transversely of the film in front of the spool supporting means, means to manually move the knife in the slot thereby cutting the film in two, the spool with the exposed cut-off portion of the film being adapted to be removed from its supporting means, a hook movably supported at the guiding plate, a handle on the hook extending to the outside of the camera, the point of the hook being directed forward thereby permitting the film to move freely under the hook, the hook being adapted to be manually moved and being adapted to engage the film when moved thereby pulling the film through a definite distance for bringing the end of the film into engagement with the receiving spool.

2,150,107
TRACTOR WHEEL
Jesse W. Shields, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 11, 1935, Serial No. 15,755
4 Claims. (Cl. 301—41)



1. A power-driven tractor wheel comprising a series of removable weights attached to the wheel, a flexible pneumatic tire inflated to such low pressure as to be so flattened at its region of contact with the ground by said weights as to provide a tractive area substantially as wide as said tire, and a tire rim on which said tire is mounted, said rim having inclined bead seats of such shape that the beads of the tire are distended and wedged thereonto sufficiently securely by said low pressure as to overcome the tendency of the tractive force to produce slippage between the rim and the tire.

2,150,108
LADY'S UNDERGARMENT
Theodore J. Smutny, New York, N. Y., assignor to Collegiate Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application December 1, 1937, Serial No. 177,396
5 Claims. (Cl. 2—73)



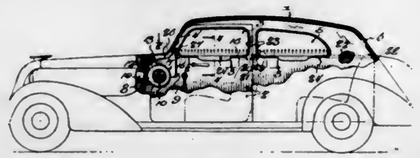
1. An intimate garment of the class described, comprising a tubular body member of material cut on the bias and adapted to encircle the body of the wearer below the bust line, and an upper member of material cut on the bias and adapted to encircle the body in the bust region, said upper member having panels at the back of the garment, the upper edge of the back of the garment having a substantially U-shaped cut-out, the lower edge of the cut-out being continuously horizontal, an elastic insert, having a continuous horizontally disposed bottom edge secured to the lower edge of the cut-out, the side edge of the insert being secured to a side edge of the cut-out, said insert being positioned with its principal direction of stretch at an acute angle to the lower and side edges of the cut-out, whereby upon bodily movement of the wearer strain is reduced at the point of juncture of the edges of the cut-out and a freely swinging movement of the body is permitted without binding or other discomfort to the wearer.

2,150,109
PREPARATION OF VAT DYESTUFFS
Otto Stallmann, South Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 10, 1934, Serial No. 743,420
6 Claims. (Cl. 260—265)

1. In the preparation of water-insoluble indanthrone compounds in a very uniformly fine state of subdivision, the step which comprises precipitating them from a vat at temperatures below

35° C. in the presence of a vatting assistant selected from the group consisting of the water-soluble condensation products of epichlorhydrin or dichlorhydrin with ammonia or an aliphatic primary amine.

2,150,110
CAR HEATER AND DEFROSTER
Bernhard E. Strauss, Watertown, and Hubert Faultersack, Waukesha, Wis.; said Strauss assignor to Alfeo Testolin, Waukesha, Wis.
Application February 20, 1937, Serial No. 126,856
2 Claims. (Cl. 20—40.5)



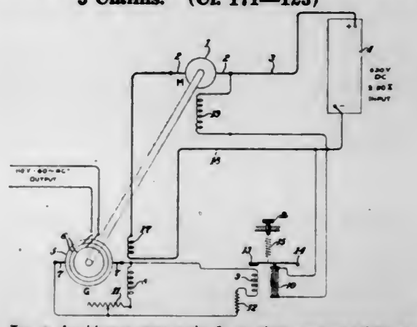
1. In an automobile of the closed type having a hinged door provided with a window, a hot air heater, a duct leading from the heater to and having an end communicating with the door opening at the front side and adjacent the top of the door opening, and a hollow horizontal molding connected to the door, itself alone forming the entire bottom of the window opening and constituting a complete finishing strip, said molding having a top, bottom and sides, the inner side being disposed adjacent to the pane of the window but to allow the window pane to slide past the molding and said inner side of the molding having hot air outlets disposed to direct the heated air against the window pane, the molding further having a front end disposed to communicate with said end of the duct in closed position of the door, and having its ends extending beyond the ends of the window opening and terminating adjacent the respective ends of the door.

2,150,111
METHOD OF MAKING WHEEL STRUCTURES
John W. Tatter, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application February 20, 1936, Serial No. 64,843. Divided and this application June 5, 1936, Serial No. 83,651
4 Claims. (Cl. 29—159.1)



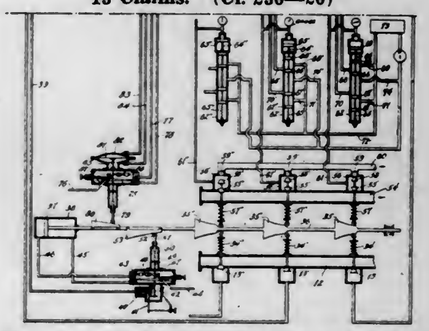
1. The method of making wheel structures consisting of unitary tire rim and disc portions which comprises hot rolling a straight length of metal strip into the transverse shape of a transversely curved tire rim with a lateral extension of substantially its own width on one of its margins, shaping the straight strip into an annulus with the transversely concave side of the strip innermost and thereafter joining the abutting ends thereof, cold rolling the annular structure and thereby moving the transversely curved portion of the tire-rim structure radially outwardly to cylindrical form and moving the lateral extension thereof obliquely inwardly to an intermediate position, and thereafter forcing the lateral extension, by cold pressing the same, to a position extending radially inward from the said rim portion.

2,150,112
AUTOMATIC REGULATING SYSTEM FOR BATTERY OPERATED MOTOR-GENERATOR SETS
Samuel S. Wolff, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 8, 1938, Serial No. 200,833
5 Claims. (Cl. 171—123)



1. In a battery-operated motor-generator set, the combination with a storage battery, of a shunt-wound direction current motor connected to the terminals of said battery, a carbon pile regulator connected in series with the field of said motor across the terminals of said battery, said regulator having a voltage-responsive regulating solenoid and means under the influence of said solenoid for compressing the carbon pile of said regulator, a self-excited alternating current generator driven by said motor and including an armature winding tapped to feed into a pair of slip rings and a commutator, brushes bearing on said commutator, a shunt generator field winding connected across said brushes, the voltage-responsive solenoid of said carbon-pile regulator being also connected across said brushes, said generator also having a field winding of the series type connected in one leg of the line between the battery and motor.

2,150,113
METHOD OF AND APPARATUS FOR CONTROLLING FLUID FUEL BURNERS FOR BOILERS
Guido Wünsch and Kurt Blasig, Berlin-Steglitz, Germany, assignors to Askania-Werke A. G., a company of Germany
Application January 30, 1935, Serial No. 4,204
In Germany January 30, 1933
13 Claims. (Cl. 236—26)



12. In a steam boiler installation having a plurality of fluid fuel burners, impulse means connected to be operated in response to variations in

the boiler load; means controlled by said impulse means to start and shut off said burners one after the other in response to boiler load impulses of a predetermined low load impulse range which corresponds to a low operating capacity of the burners individually and collectively; means also controlled by said impulse means connected to increase or decrease the fuel supply to all operating burners equally and simultaneously in response to higher load impulses corresponding to the collective high load capacity of the burners exceeding their collective low operating capacity; means for supplying primary air at all times to each burner in response to the amount of fuel burnt by the same; and means for supplying secondary air at all times to the operating burners in response to the boiler load.

2,150,114

DIFFERENTIAL FLOTATION OF LEAD-ZINC ORES

Arvid Emil Anderson, New Canaan, and Norman Hedley, Old Greenwich, Conn., assignors to American Cyanamid Co., New York, N. Y., a corporation of Maine

No Drawing. Application November 6, 1937, Serial No. 173,112

10 Claims. (Cl. 209—167)

1. A method for the differential flotation of lead and zinc sulfide ores which comprises treating the ore with a dichromate to depress the lead and with a zinc activator, subjecting the ore to froth flotation in the presence of a reagent combination favoring the flotation of zinc sulfide, activating the tailing with a compound selected from the group consisting of ferrous compounds, hydrochloric acid, sulfuric acid, hydrosulfites and subjecting the activated tailing to froth flotation in the presence of a reagent favoring the flotation of lead sulfide.

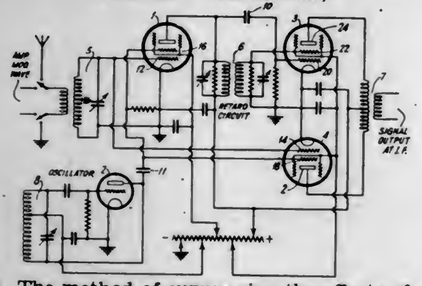
2,150,115

IMAGE ELIMINATION RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 15, 1937, Serial No. 153,754

20 Claims. (Cl. 250—20)



1. The method of suppressing the effects of an undesired band of frequencies which includes the steps of, receiving signal energy including said undesired band of frequencies, generating local oscillatory energy, beating the undesired band of frequencies with the locally generated energy to product resultant energy having phase modulation and amplitude modulation components thereon resulting from said beating action, detecting said components and simultaneously producing relative phase displacement in the detected energies and combining the detected energies to balance out the beat frequencies characteristic of said undesired band of frequencies.

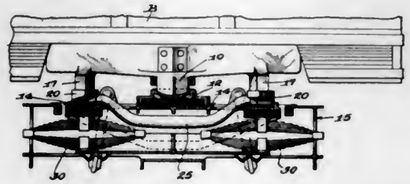
2,150,116

VEHICLE SIDE BEARING

William W. Farr, Penn Valley, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 27, 1937, Serial No. 139,199

5 Claims. (Cl. 105—4)



1. In an articulated car, a truck, car bodies having adjacent ends carried by the truck, side bearing arms pivotally supported intermediate their ends on said truck to rock about a horizontal transverse axis, said car bodies having brackets resting on said arms on opposite sides of their pivotal support and torque transmitting means independent of the car bodies interconnecting said arms to constrain them to move together.

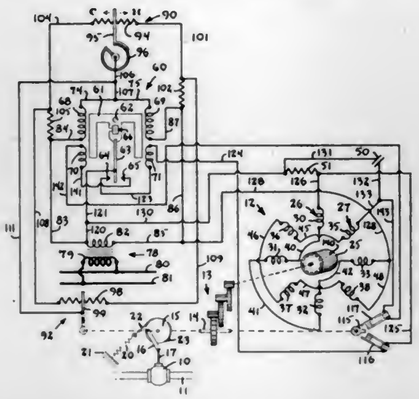
2,150,117

MOTOR CONTROL SYSTEM

Le Roy A. Griffith, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 15, 1937, Serial No. 174,520

11 Claims. (Cl. 172—239)



3. In combination, an element to be operated, means biasing said element towards a predetermined extreme position, a reversible capacitor motor, said motor having a pair of field windings, a single phase source of power, a condenser, a resistor, means connecting said windings to said source of power, one winding being in series with said condenser and the other in series with said resistor, connecting means between said motor and said element, said motor and said connecting means being effective when the motor is thus energized to hold said element in any selected position against the action of its biasing means, and means for selectively shunting either said condenser or said resistor when it is desired to move said element away from or toward said predetermined position, respectively.

2,150,118

BUTTON FASTENING MEANS

Sarah Ann Harrison, Omaha, Nebr.

Application October 15, 1937, Serial No. 169,120

4 Claims. (Cl. 24—90)



1. In button fastening means, the combination of a garment with an opening for a button shank eye and having a button backer secured to the under side thereof over the opening, said backer being provided with a plurality of reinforced openings adjacent the opening in the garment and at opposite sides thereof, and a button having a shank eye received in the opening in the garment, with a fastener having a V-shaped portion adapted to receive thereon at the apex thereof the shank eye of the button, the sides of said V-shaped portion extending rearwardly through respective reinforced openings in the button backer, and end portions extending oppositely of each other along a common axis and substantially parallel to the back of the button backer.

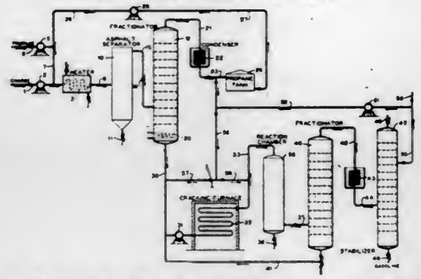
2,150,119

CRACKING ASPHALTIC OIL

Theodore Charles Heisig, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 10, 1936, Serial No. 104,928

4 Claims. (Cl. 196—50)



1. A process for the conversion of heavy hydrocarbon oils containing asphalt and normally tending to form coke when heated to conversion temperatures, which comprises separating asphaltic bodies from the oil by precipitation with a normally gaseous hydrocarbon solvent, then subjecting the mixture of deasphalted oil in the presence of said solvent to conversion substantially in the vapor phase at temperatures sufficiently high to effect substantial conversion of the oil and normally gaseous hydrocarbons into products within the gasoline boiling range, whereby said tendency to coke formation is substantially less than without said deasphalting treating.

2,150,120

CYCLIC PROCESS FOR THE PRODUCTION OF NITROPARAFFINS

Edward B. Hodge, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application January 31, 1938, Serial No. 187,901

10 Claims. (Cl. 260—644)

1. In a cyclic process for the nitration of lower alkanes, the steps which comprise removing lower nitroalkanes and oxides of nitrogen from the gaseous mixture resulting from the nitration of said lower alkanes and subjecting the remaining constituents of said gaseous mixture to catalytic hydrogenation, and introducing the resulting gases into the reaction mixture for the succeeding cycle.

2,150,121

ABRASIVE ARTICLE AND METHOD OF MANUFACTURE

Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application July 16, 1936, Serial No. 90,952

2 Claims. (Cl. 51—278)

2. In the art of manufacturing abrasive articles from abrasive grain and a synthetic resin bond, the steps of taking a quantity of abrasive grain, adding a liquid plasticizer, adding a synthetic resin bond in powdered form, mixing thoroughly to produce a plasticized mass, taking a quantity of such mass and pressing it in a mold, pressing the mixture in the mold under substantial pressure but in a cold state, stripping the mold, placing the pressed article in an autoclave, applying to the autoclave a pressure of eighty pounds gauge, heating the autoclave to above 150° C. within two hours, thereafter maintaining the temperature for an hour additional in the autoclave under the said pressure of eighty pounds gauge.

2,150,122

SLIDING VANE COMPRESSOR

Gustaf L. Kollberg, Milwaukee, and Melvin C. Shaw, Wauwatosa, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application March 20, 1937, Serial No. 132,046

8 Claims. (Cl. 230—152)



1. In a rotary compressor, a casing defining a cylinder having a groove formed in the inner surface thereof, a rotor eccentrically supported in said cylinder and having a plurality of slots therein, a plurality of vanes movably mounted in the slots of said rotor, said vanes being urged toward the wall of said cylinder upon rotation of said rotor, and a ring mounted in the groove in said cylinder for supporting said vanes out of frictional engagement with the inner surface of said cylinder, said ring being provided with apertures therethrough and having the outer periphery formed with plane surfaces about the apertures to form sector shaped chambers with the surface of the groove.

2,150,123

CYCLIC PROCESS FOR THE PRODUCTION OF NITROPARAFFINS

Jerome Martin and Edward B. Hodge, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

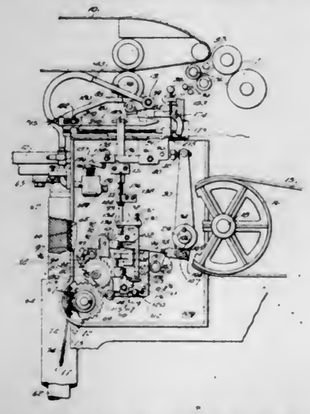
No Drawing. Application January 28, 1938, Serial No. 187,407

8 Claims. (Cl. 260—644)

1. In a cyclic process for the nitration of lower

alkanes, the steps which comprise removing lower nitroalkanes from the gaseous mixture resulting from the nitration of said lower alkanes and subjecting the remaining gases to scrubbing with an aqueous medium, to remove substantially all of the aldehydes and ketones, and introducing the resulting gases into the reaction mixture for the succeeding cycle.

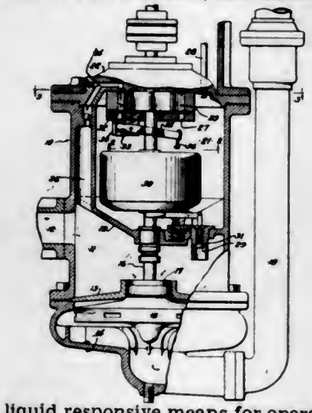
2,150,124
GLUING MACHINE CONTROL
Robert Minkow, New York, N. Y., assignor to Hobbs Sales & Service Station, Inc., New York, N. Y., a corporation of New York
Application September 3, 1937, Serial No. 162,364
11 Claims. (Cl. 271—62)



1. In apparatus for feeding sheets from a stack thereof comprising a carriage movable forwardly and rearwardly of the stack, mechanism for feeding the stack vertically, means for controlling said feeding mechanism comprising a member pivoted upon said carriage and movable thereby to a position over the stack adjacent the edge thereof, a gauge arm, means engageable by said member in response to movement of said carriage for deflecting said gauge arm toward the upper face of the stack, and means responsive to predetermined pivotal movement of said member effecting control of said feeding mechanism said control including a longitudinally slidable bar extending to the front of the machine and carrying adjusting means at said front end.

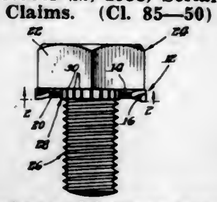
2,150,125
GAS AND LIQUID PUMPING AND SEPARATING APPARATUS
David J. Nelson, Buffalo, N. Y., assignor to Martin & Schwartz, Inc., Buffalo, N. Y.
Application December 17, 1936, Serial No. 116,366
2 Claims. (Cl. 103—113)

1. Gas and liquid pumping apparatus comprising a liquid pump, a separating chamber on the suction side of said pump, a second chamber adapted to communicate with the atmosphere, a gas pump disposed in said second chamber, said gas pump having a discharge port discharging into said second chamber, means connecting the suction side of the gas pump to the separating chamber, a connection between said chambers, a valve for closing said connection, means in said second chamber responsive to the presence of predetermined quantities of liquid therein for operating said valve, a second inlet for the gas pump communicating with said second chamber, a valve for said second inlet, and means operable



by said liquid responsive means for operating said last named valve.

2,150,126
FASTENER UNIT
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,525
4 Claims. (Cl. 85—50)

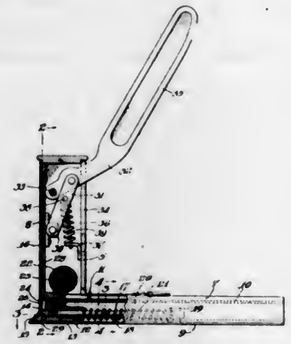


1. A lock washer and fastener assembly including a rotary threaded fastener having a clamping surface extending outwardly from the threaded portion thereof, a peripheral lock washer receiving portion extending axially beyond said clamping surface and having a diameter greater than the outer diameter of the thread, and a continuous annular relatively hard lock washer forced axially upon said peripheral receiving portion in tight fitting relation so that it is permanently secured against axial displacement, said lock washer having resilient locking teeth positioned in operative association with said clamping surface.

2,150,127
STAPLING MACHINE
George C. Passek, Springfield, Pa., assignor to Alfred J. Paynter, Philadelphia, Pa.
Application February 24, 1938, Serial No. 192,304
5 Claims. (Cl. 1—49)

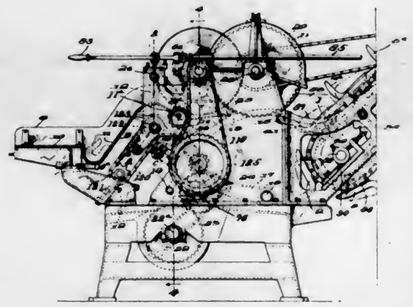
1. The combination of a frame having parts providing spaced, oppositely disposed channels for receiving and guiding the legs of a staple, a staple driver operable to drive a staple guided by said channels, a forming member having corner portions and movable between the legs of a staple driven by said driver and into the path of the staple crown, said channels having parallel guiding walls opposite to the respective sides of the forming member, and deflecting parts directed toward each other adjacent to said guiding walls at the delivery ends of said channels for cooperation with said walls outwardly of the

staple legs and with said corners inwardly of the staple legs for curving said legs and direct-



ing them toward each other as they are driven through said channels and between said corners and said deflecting parts.

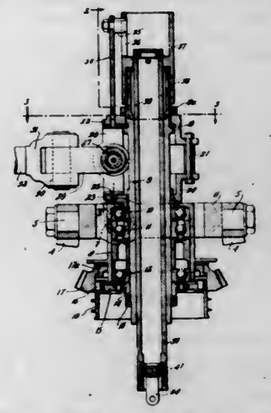
2,150,128
FISH-CUTTING MACHINE
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 14, 1937, Serial No. 142,699
Renewed January 23, 1939
14 Claims. (Cl. 17—4)



1. A fish cutting machine comprising means for simultaneously cutting the fish into can lengths, means for feeding the fish to and from the cutting means, and independent devices for receiving simultaneously the cut lengths of fish from the cutting means and for delivering the cut lengths one at a time in succession to a filling machine.

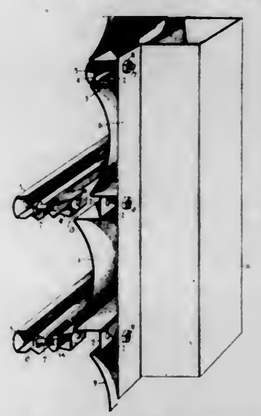
2,150,129
AIRCRAFT WITH ROTATIVE WINGS
Joseph S. Pecker, Philadelphia, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application January 29, 1937, Serial No. 122,921
3 Claims. (Cl. 244—18)

1. In an aircraft sustaining rotor having a hub and blades, mechanism for mounting a blade on the hub including a ring mounted on the hub for movement substantially about the axis of the blade, a pivot interconnecting the blade and said ring, the pivot axis being extended substantially diametrically of the ring, and an actuating arm



connected with said ring and extending therefrom generally axially of the hub.

2,150,130
REMOVABLE PANELING
Earl J. W. Ragsdale, Norristown, and Warner G. Tilsher, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1935, Serial No. 40,874
6 Claims. (Cl. 189—86)

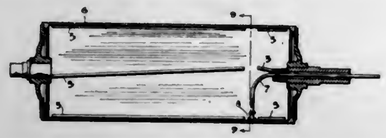


1. A sheet metal panel structure for sheathing a vehicle body comprising interchangeable sheet metal bowed panel sections having opposite marginal edges offset rearwardly of the face of the panel and substantially the full depth thereof, said sections having relatively fixed marginal edges forming a relatively deep groove, fastening means removably securing said panels to a base structure by said offset marginal edges, spring clips secured within the grooves, said spring clips being of U-shape in cross section with the sides thereof being reversely curved, and cover-strips secured in covering relation to the grooves by the sides of said spring clips, said cover strips being curved in a complementary manner between said bowed panel sections and extending into said grooves between said spring clips and the juxtaposed marginal edges of the panel sections.

2,150,131
HAY FEVER ANTIGEN
George E. Rockwell, Milford, Ohio, assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 21, 1937, Serial No. 143,937
10 Claims. (Cl. 167—78)

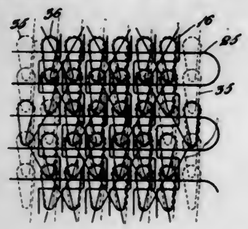
1. A preparation for immunization against hay-fever, comprising a mixture with starch of de-fatted and dried pollen, finely comminuted, said preparation being capable when administered orally in solid form of being absorbed in the digestive tracts of humans to produce a substantial degree of immunity in a majority of pollen-allergic individuals.

2,150,132
DRYING CYLINDER
Percy R. Sandwell, Montreal, Quebec, Canada, assignor to Dominion Engineering Works Limited, Montreal, Quebec, Canada
Application June 1, 1937, Serial No. 145,814
5 Claims. (Cl. 34—4)



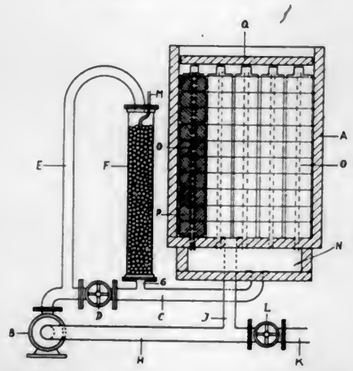
1. The method evacuating water from a steam heated rotary dryer cylinder which comprises retarding slippage between the water and the cylinder so that the water forms a film around the inside of the cylinder at a balancing speed substantially below the speed at which film formation would ordinarily be established and scooping the water from the lower portion of the cylinder by the aid of a stationary syphoning device through which the water is expelled as the cylinder rotates relative to said device.

2,150,133
ELASTIC WELT FOR STOCKINGS
Christian Walter Seidel, Chicago, Ill.
Application May 21, 1938, Serial No. 209,245
3 Claims. (Cl. 66—172)



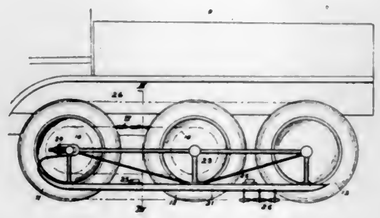
1. A stocking welt comprising a light weight relatively narrow strip of warp knit fabric through at least a portion of which the tension of a garter is intended to be applied, said fabric having generally parallel lay-in elastic warp yarns and generally parallel lay-in elastic weft yarn extending at generally right angles thereto, warpwise chains of yarn loops locking said lay-in warp and weft yarns by being looped about said lay-in yarns, said fabric being so constructed and arranged as to prevent shifting of the yarns from normal usage and a narrowing of the fabric in width by reason of a warpwise stretch thereof.

2,150,134
METHOD FOR THE BLEACHING OF BAST FIBERS
Philipp Siedler, Erich Kayser, Helmuth Korte, and Wilhelm Waibel, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
Application January 10, 1935, Serial No. 1,248
In Germany January 20, 1934
3 Claims. (Cl. 8—108)



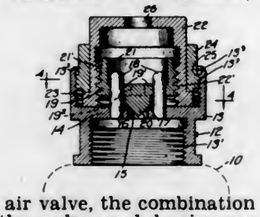
1. A method for the bleaching of bast fibers by chlorinating the impurities with chlorine water, which comprises causing the chlorine water to act directly after it has been prepared on the bast fibers on cross-wound bobbins.

2,150,135
SNOW CHAIN AND RUNNER OR SKI FOR MOTOR VEHICLES
Anders Verner Söderström, Rovaniemi, Finland
Application January 25, 1937, Serial No. 122,233
In Finland February 6, 1936
1 Claim. (Cl. 180—5)



In combination with an automobile frame, at least two wheel shafts arranged side by side in said frame, a wheel with transverse grooves on its periphery mounted upon the ends of the respective shafts, a plurality of members provided with a semi-circular central portion and lateral wings extending from said central portion and means for linking said members together into an endless tractive snow chain, a frame depending from the wheel shafts on each side of the wheels, a ski fixed to each frame above the level of the snow chain, the arrangement being such that the lateral wings project out at right angles from the snow chain on both sides of each wheel and the skis ride over the surface of a snow covered ground compressing the snow thereunder.

2,150,136
ADJUSTABLE VENTING CONTROL FOR AIR VALVES
Philip H. Stapley, Stratford, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application June 18, 1937, Serial No. 148,929
14 Claims. (Cl. 251—47)



1. In an air valve, the combination of a casing enclosing the valve and having an air outlet, adjustable venting means movable in longitudinal direction only for restricting the escape of air from said outlet, means extending from said casing through said venting means for preventing rotation of said adjustable venting means, and guiding its longitudinal movement, means for locking said venting means in any adjusted position, and means for preventing disassembly of the combination after final assembly thereof.

2,150,137
ALPHA-ETHYL BETA-PROPYL ACROLEIN RESINS
Lloyd C. Swallen, Pekin, Ill., assignor to Resinox Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 27, 1937, Serial No. 165,904
11 Claims. (Cl. 260—55)

1. A synthetic resin comprising a condensation product of a mixture consisting essentially of alpha-ethyl beta-propyl acrolein and a phenol.

2,150,138
PROCESS FOR REFINING ROSIN
Byron M. Vanderbilt, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 14, 1937, Serial No. 148,111
17 Claims. (Cl. 260—107)

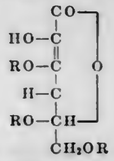
2. In a process for the refining of rosin, the steps which comprise subjecting a solution of rosin in a petroleum hydrocarbon solvent to the action of a nitroalcohol capable of immiscibility with said petroleum hydrocarbon solvent, forming substantially immiscible liquid phases comprising a solution of rosin in the said petroleum hydrocarbon and a solution of rosin impurities in the said nitroalcohol, and separating the said liquid phases.

2,150,139
FINISHING SYSTEM FOR ACOUSTICAL SURFACES
Herbert L. Wampner, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application September 17, 1937, Serial No. 164,332
3 Claims. (Cl. 91—68)

1. A method for applying a decorative finish on a porous base, constituting an acoustical surface, with minimum effect upon its sound absorptive properties which comprises applying to said surface a sealer comprising a coating composition containing a film-forming material and a volatile solvent mixture containing a solvent and a non-solvent, said composition having the property of gelling after evaporation of a portion of the solvent mixture and before the sealer is able to flow from the outer openings of the pores into the base, allowing said composition to gel and at least partially dry, subsequently applying a flock adhesive coat comprising a coating composition containing sufficient solvent for the gelled film forming material of the sealer coat to enable said sealer to flow from the outer openings of the pores into the base, and applying flock to said flock adhesive coat while the latter is still wet.

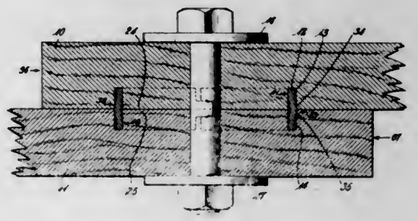
2,150,140
DERIVATIVES OF ASCORBIC ACID HAVING AN ANTISCORBUTIC ACTION AND PROCESS FOR THE MANUFACTURE OF SAME
Kurt Warnat, Basel, Switzerland, assignor to Hoffmann-La Roche, Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 8, 1938, Serial No. 189,444. In Germany April 24, 1937
7 Claims. (Cl. 260—344)

1. A compound selected from the group of substances having the structure:



wherein R is a radical selected from the group consisting of benzoyl and substituted benzoyl radicals.

2,150,141
RING TIMBER CONNECTOR
James E. Myer, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application March 16, 1937, Serial No. 131,238
4 Claims. (Cl. 20—92)



3. A timber connector comprising a divided ring of metal; the external diameter of said ring substantially midway between its edges being of greater diameter than its external diameter adjacent said edges; portions of said ring at each side of the joint thereof overlapping; and readily separable spot-weld means coacting between said overlapping portions to hold the ring in expanded tensed position against its tendency to contract by its resiliency while being inserted for use.

DESIGNS

MARCH 7, 1939

113,614
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Kenwood Station, Oneida, and Lloyd E. Ressegger, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application January 12, 1939, Serial No. 82,304
Term of patent 14 years



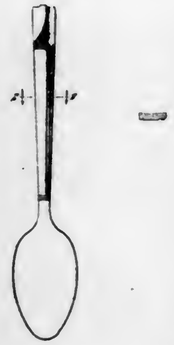
The ornamental design for a spoon or similar article, as shown and described.

113,615
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Kenwood Station, Oneida, and Mary Parker Fleming, Niagara Falls, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application January 18, 1939, Serial No. 82,412
Term of patent 14 years



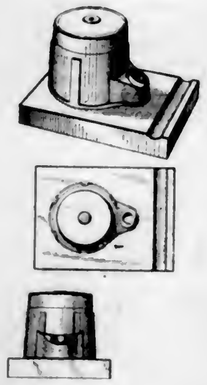
The ornamental design for a spoon or similar article, as shown and described.

113,616
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Kenwood Station, Oneida, and Mary Parker Fleming, Niagara Falls, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application January 18, 1939, Serial No. 82,413
Term of patent 14 years



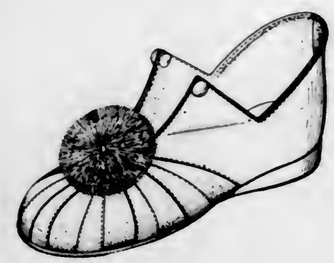
The ornamental design for a spoon or similar article, as shown and described.

113,617
DESIGN FOR A COMBINATION DESK UNIT OR SIMILAR ARTICLE
Leon Hehl Ashmore, Collingswood, N. J., assignor to The Esterbrook Steel Pen Manufacturing Co., Camden, N. J., a corporation of New Jersey
Application October 12, 1937, Serial No. 72,138
Term of patent 14 years



The ornamental design for a combination desk unit or similar article, substantially as shown.

113,618
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Jack Barnett, Brooklyn, N. Y.
Application February 3, 1939, Serial No. 82,768
Term of patent 3½ years



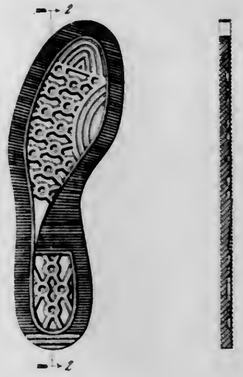
The ornamental design for a slipper or similar article, substantially as shown.

113,619
DESIGN FOR A TEXTILE FABRIC
Frederick F. Berlinger, New York, N. Y.
Application January 26, 1939, Serial No. 82,611
Term of patent 3½ years



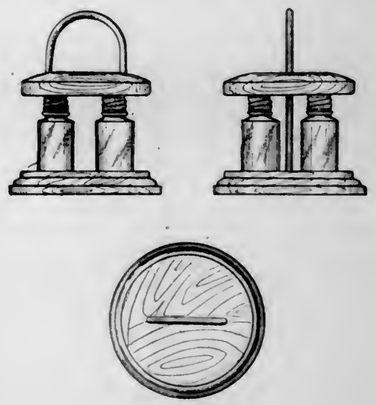
The ornamental design for a textile fabric, substantially as shown.

113,620
DESIGN FOR A SHOE SOLE
William F. Cairns, New Haven, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1939, Serial No. 82,362
Term of patent 7 years



The ornamental design for a shoe sole, as shown.

113,621
DESIGN FOR A PERFUME DISPLAY STAND
Adolph H. Cohn, New York, N. Y.
Application January 18, 1939, Serial No. 82,416
Term of patent 3½ years



The ornamental design for a perfume display stand, substantially as shown.

113,622
DESIGN FOR A CLOSET
Harry Derman, Laurelton, Long Island, N. Y.
Application December 13, 1938, Serial No. 81,760
Term of patent 7 years



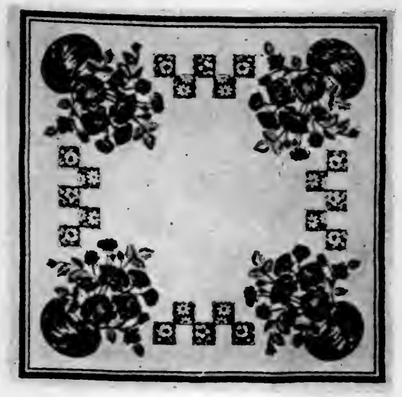
The ornamental design for a closet, as shown.

113,623
DESIGN FOR A LAMP
Clifford L. Ellison, Oak Park, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application November 17, 1938, Serial No. 81,175
Term of patent 7 years



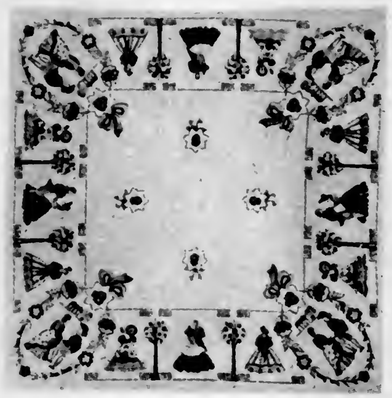
The ornamental design for a lamp, as shown.

113,624
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Frances Olga Ferlauto, New York, N. Y.
Application January 17, 1939, Serial No. 82,395
Term of patent 3½ years



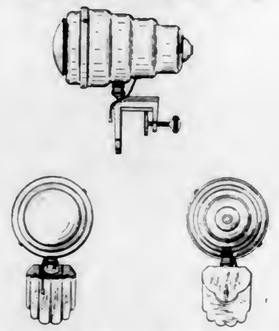
The ornamental design for a tablecloth or similar article, substantially as shown.

113,625
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Frances Olga Ferlauto, New York, N. Y.
Application January 17, 1939, Serial No. 82,396
Term of patent 3½ years



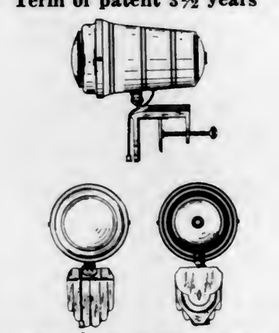
The ornamental design for a tablecloth or similar article, substantially as shown.

113,626
DESIGN FOR A LAMP
Lawrence J. Gagnon, Cleveland, Ohio
Application December 19, 1938, Serial No. 81,859
Term of patent 3½ years



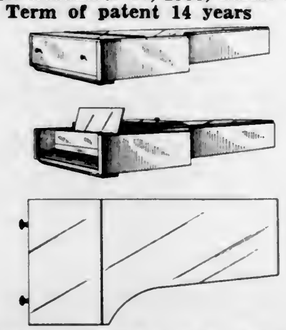
The ornamental design for a lamp, as shown.

113,627
DESIGN FOR A LAMP
Lawrence J. Gagnon, Cleveland, Ohio
Application January 11, 1939, Serial No. 82,293
Term of patent 3½ years



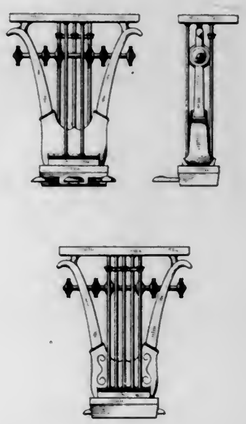
The ornamental design for a lamp, as shown.

113,628
DESIGN FOR A PIANO CASE
Eric Gugler, New York, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application December 17, 1938, Serial No. 81,855
Term of patent 14 years



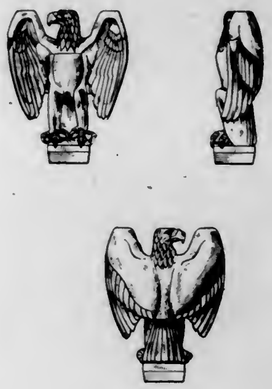
The ornamental design for a piano case, substantially as shown.

113,629
DESIGN FOR A LYRE FOR A PIANO
Eric Gugler, New York, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application December 17, 1938, Serial No. 81,856
Term of patent 14 years



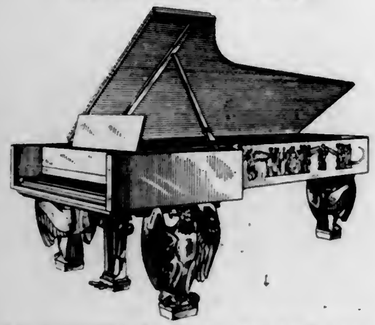
The ornamental design for a lyre for a piano, substantially as shown.

113,630
DESIGN FOR A PIANO LEG
Eric Gugler, New York, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application December 17, 1938, Serial No. 81,857
Term of patent 14 years



The ornamental design for a piano leg, substantially as shown.

113,631
DESIGN FOR A GRAND PIANO
Eric Gugler, New York, N. Y., assignor to Steinway & Sons, New York, N. Y., a corporation of New York
Application December 17, 1938, Serial No. 81,858
Term of patent 14 years



The ornamental design for a grand piano, substantially as shown.

113,632
DESIGN FOR A COOKING VESSEL
Lewis G. Howlett, Hartford, Mich., assignor to Cookware Company of America, Hartford, Mich., a corporation of Michigan
Application December 9, 1938, Serial No. 81,687
Term of patent 3½ years



The ornamental design for a cooking vessel, as shown.

113,633
DESIGN FOR A MECHANICAL PENCIL OR SIMILAR ARTICLE
Max Kahn, New York, N. Y.
Application December 9, 1938, Serial No. 81,676
Term of patent 7 years



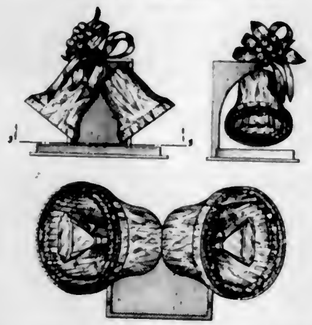
The ornamental design for a mechanical pencil or similar article, substantially as shown.

113,634
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Jacques H. Leff, New York, N. Y.
Application January 24, 1939, Serial No. 82,562
Term of patent 3½ years



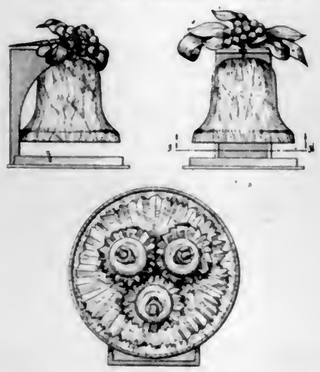
The ornamental design for a brooch or similar article, substantially as shown.

113,635
DESIGN FOR A COMBINED PERFUME CONTAINER AND STAND THEREFOR
Florence N. Lewis, New York, N. Y.
Application November 4, 1938, Serial No. 80,871
Term of patent 7 years



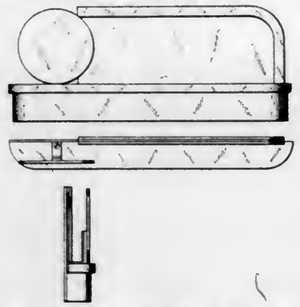
The ornamental design for a combined perfume container and stand therefor, as shown.

113,636
DESIGN FOR A COMBINED PERFUME CONTAINER AND STAND THEREFOR
Florence N. Lewis, New York, N. Y.
Application November 4, 1938, Serial No. 80,872
Term of patent 7 years



The ornamental design for a combined perfume container and stand therefor, as shown.

113,637
DESIGN FOR A DISPLAY STAND
Fay G. Mercer, Phoenix, Ariz., assignor of two-thirds to Nathaniel Taylor Roberts, Phoenix, Ariz.
Application November 29, 1938, Serial No. 81,461
Term of patent 3½ years



The ornamental design for a display stand, as shown.

113,638
DESIGN FOR A RING MOUNTING
Frank Milhening, Evanston, Ill., assignor to J. Milhening, Inc., Chicago, Ill., a corporation of Illinois
Application August 31, 1938, Serial No. 79,656
Term of patent 7 years



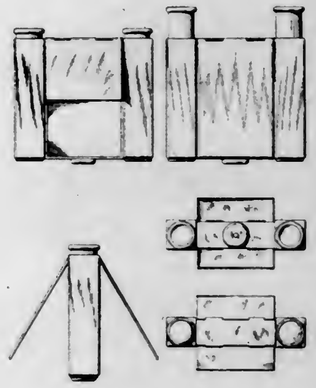
The ornamental design for a ring mounting, substantially as shown.

113,639
DESIGN FOR LACE
John Moosherr, New York, N. Y., assignor to Liberty Lace and Netting Works, New York, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 82,079
Term of patent 3½ years



The ornamental design for lace, substantially as shown and described.

113,640
DESIGN FOR A COMBINATION FIELD GLASS AND CASE
Richard Morbee, Chicago, Ill.
Application October 13, 1938, Serial No. 80,426
Term of patent 3½ years



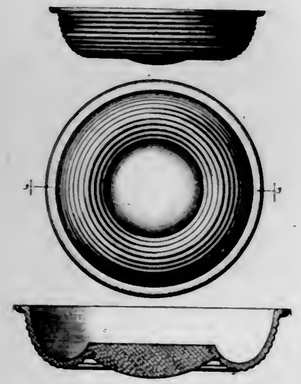
The ornamental design for a combination field glass and case, as shown and described.

113,641
DESIGN FOR A CURTAIN FABRIC OR SIMILAR ARTICLE
Morris Poley, Larchmont, N. Y.
Application January 25, 1939, Serial No. 82,594
Term of patent 3½ years



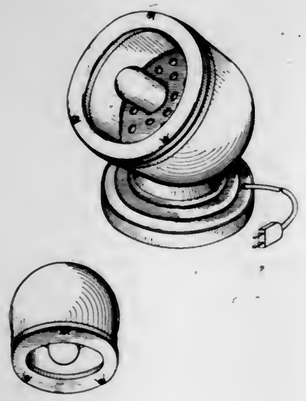
The ornamental design for a curtain fabric or similar article, substantially as shown.

113,642
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 74,029
Term of patent 14 years



The ornamental design for a lighting fixture or similar article, substantially as shown.

113,643
DESIGN FOR A MANICURE DRIER
Frank Von, Los Angeles, Calif.
Application November 9, 1938, Serial No. 80,976
Term of patent 14 years



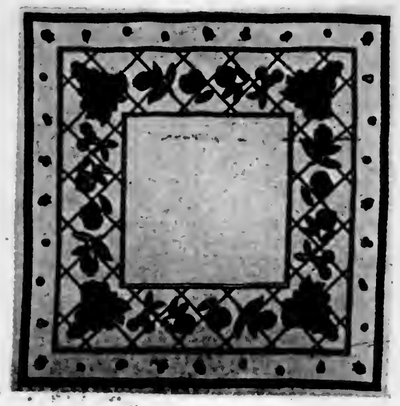
The ornamental design for a manicure drier, substantially as shown.

113,644
DESIGN FOR A SHOE
Ben Weiner, Lewiston, Maine
Application December 16, 1938, Serial No. 81,815
Term of patent 3½ years



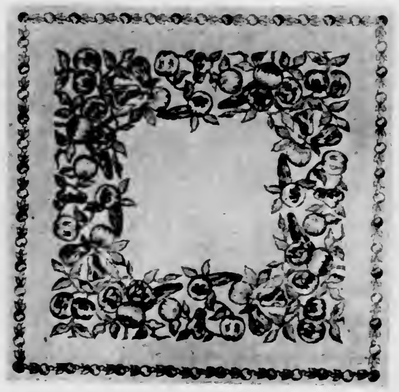
The ornamental design for a shoe, substantially as shown.

113,645
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Virginia Winston, Jackson Heights, N. Y.
Application January 17, 1939, Serial No. 82,392
Term of patent 3½ years



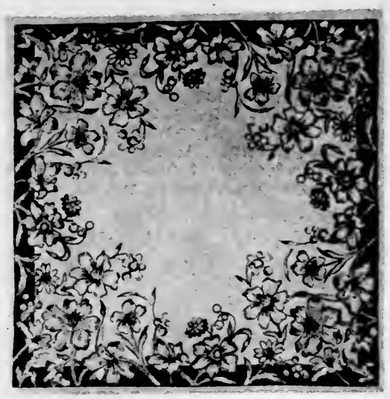
The ornamental design for a tablecloth or similar article, substantially as shown.

113,646
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Virginia Winston, Jackson Heights, N. Y.
Application January 17, 1939, Serial No. 82,393
Term of patent 3½ years



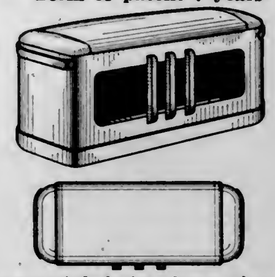
The ornamental design for a tablecloth or similar article, substantially as shown.

113,647
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Virginia Winston, Jackson Heights, N. Y.
Application January 17, 1939, Serial No. 82,394
Term of patent 3½ years



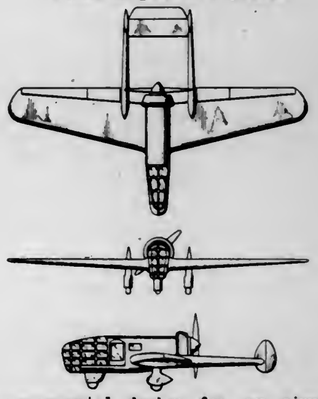
The ornamental design for a tablecloth or similar article, substantially as shown.

113,648
DESIGN FOR A PIANO BENCH
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application December 10, 1938, Serial No. 81,703
Term of patent 7 years



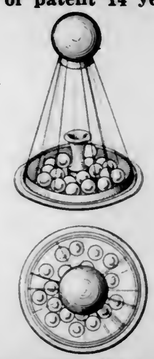
The ornamental design for a piano bench, as shown and described.

113,649
DESIGN FOR AN AIRPLANE
Talbert Abrams, Lansing, Mich.
Application February 16, 1938, Serial No. 75,194
Term of patent 7 years



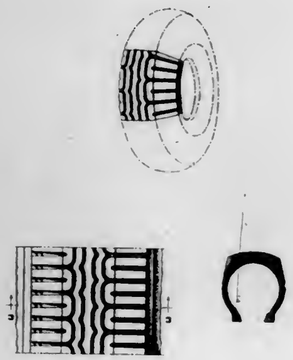
The ornamental design for an airplane, as shown.

113,650
DESIGN FOR A PUZZLE
Denison Babcock, New York, N. Y.
Application October 12, 1938, Serial No. 80,413
Term of patent 14 years



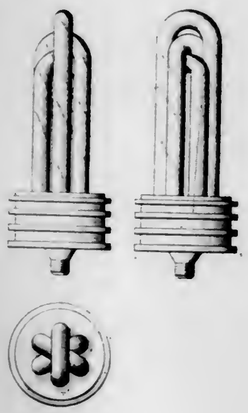
The ornamental design for a puzzle, as shown.

113,651
DESIGN FOR A TIRE
Arthur Balthazar, Chicopee Falls, Mass., assignor to The Fisk Rubber Corporation, Chicopee Falls, Mass., a corporation of Delaware
Application November 26, 1938, Serial No. 81,392
Term of patent 14 years



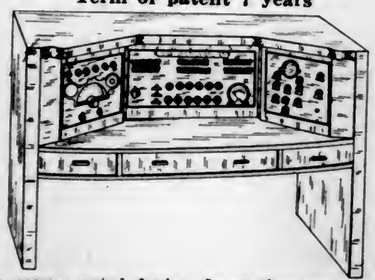
The ornamental design for a tire, as shown.

113,652
DESIGN FOR A FLUORESCENT TUBE UNIT
Maxwell M. Bilofsky, North Bergen, N. J., assignor to Duro-Test Corporation, a corporation of New York
Application November 18, 1938, Serial No. 81,221
Term of patent 14 years



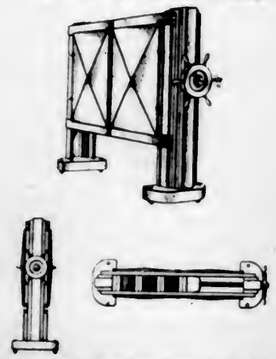
The ornamental design for a fluorescent tube unit, substantially as shown.

113,653
DESIGN FOR A THERAPEUTIC DIAGNOSTIC DEVICE
John C. Bogle, Detroit, Mich., assignor to Art Tool & Die Company, Detroit, Mich., a corporation of Michigan
Application August 13, 1938, Serial No. 79,326
Term of patent 7 years



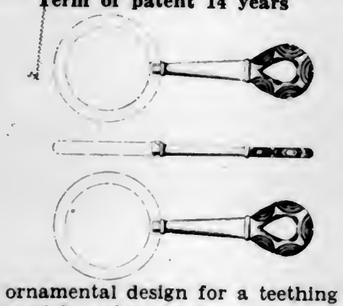
The ornamental design for a therapeutic diagnostic device, substantially as shown and described.

113,654
DESIGN FOR A HEAT EXCHANGER
Charles Brown Dalzell, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application October 1, 1938, Serial No. 80,164
Term of patent 7 years



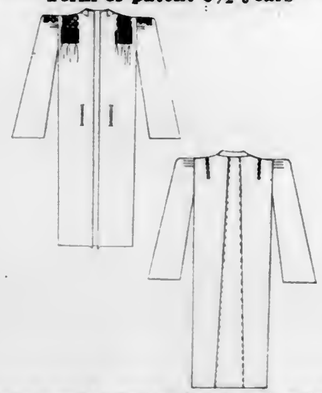
The ornamental design for a heat exchanger substantially as shown.

113,655
DESIGN FOR A TEETHING RING OR SIMILAR ARTICLE
Joseph Davis, Arlington, N. J.
Application December 17, 1938, Serial No. 81,851
Term of patent 14 years



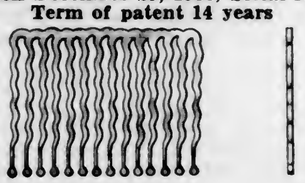
The ornamental design for a teething ring or similar article, substantially as shown and described.

113,656
DESIGN FOR A COAT
Samuel H. Dick, New York, N. Y.
Application December 29, 1938, Serial No. 82,052
Term of patent 3½ years



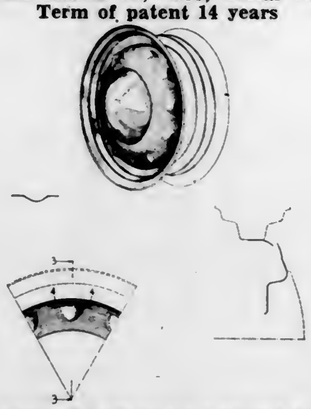
The ornamental design for a coat, substantially as shown and described.

113,657
DESIGN FOR A COMB
Max Dunner, Brooklyn, N. Y., assignor to William Finkelstein, doing business as Eastern Trading Company, New York, N. Y.
Application December 29, 1938, Serial No. 82,043
Term of patent 14 years



The ornamental design for a comb, as shown.

113,658
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian and Talmon A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 76,150
Term of patent 14 years



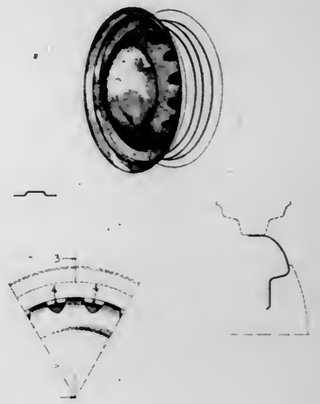
The ornamental design for a vehicle wheel, substantially as shown.

113,659
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian and Warren H. Farr, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 76,151
Term of patent 14 years



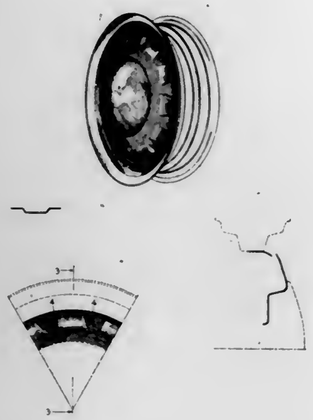
The ornamental design for a vehicle wheel, substantially as shown and described.

113,660
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian and Talmon A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 76,152
Term of patent 14 years



The ornamental design for a vehicle wheel, substantially as shown.

113,661
DESIGN FOR A VEHICLE WHEEL
Carolus L. Eksergian and Talmon A. Davenport, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 76,153
Term of patent 14 years



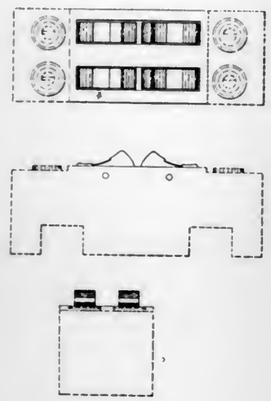
The ornamental design for a vehicle wheel, substantially as shown.

113,662
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application December 5, 1938, Serial No. 81,570
Term of patent 3½ years



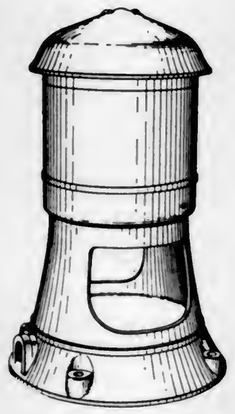
The ornamental design for a dress ensemble, substantially as shown and described.

113,663
DESIGN FOR AN ELECTRIC CONTROL PANELBOARD UNIT
William H. Frank, Detroit, Mich.
Application August 31, 1938, Serial No. 79,654
Term of patent 14 years



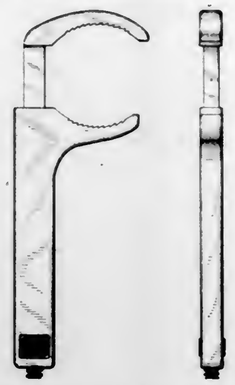
The ornamental design for an electric control panelboard unit, substantially as shown and described.

113,664
DESIGN FOR A CASING FOR A PUMP UNIT
Park Fuller, Berkeley, Calif., assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application June 29, 1938, Serial No. 78,148
Term of patent 14 years



The ornamental design for a casing for a pump unit, substantially as shown and described.

113,665
DESIGN FOR A HAND WRENCH
Louis E. Genin, Bloomfield, N. J.
Application December 21, 1938, Serial No. 81,920
Term of patent 14 years



The ornamental design for a hand wrench, substantially as shown.

113,666
DESIGN FOR A COAT
Maurice S. Handler, New York, N. Y.
Application January 17, 1939, Serial No. 82,388
Term of patent 3½ years



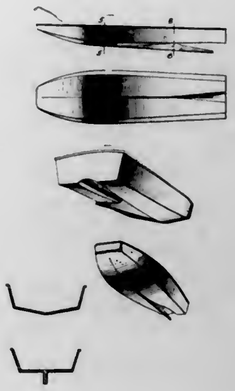
The ornamental design for a coat, substantially as shown.

113,667
DESIGN FOR A COAT
Maurice S. Handler, New York, N. Y.
Application January 20, 1939, Serial No. 82,464
Term of patent 3½ years



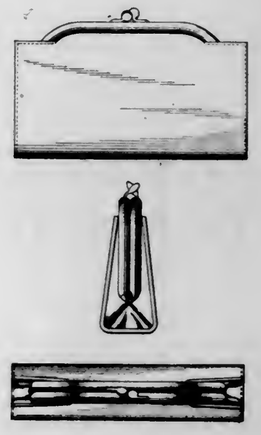
The ornamental design for a coat, substantially as shown.

113,668
DESIGN FOR A BOAT HULL
Andrew J. Higgins, New Orleans, La.
Application October 26, 1938, Serial No. 80,696
Term of patent 14 years



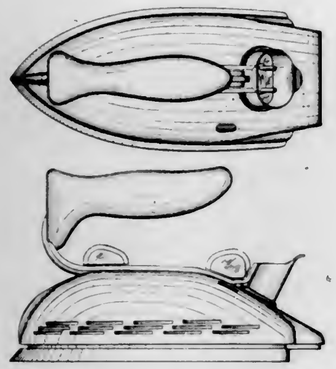
The ornamental design for a boat hull, substantially as shown.

113,669
DESIGN FOR A LADY'S HANDBAG
Louis Hochman, Brooklyn, N. Y.
Application December 10, 1938, Serial No. 81,699
Term of patent 3½ years



The ornamental design for a lady's handbag, substantially as shown.

113,670
DESIGN FOR A STEAM ELECTRIC IRON
Douglas P. Jones, St. Louis County, and Harry A. Geauque, St. Louis, Mo.
Application May 16, 1938, Serial No. 77,220
Term of patent 14 years



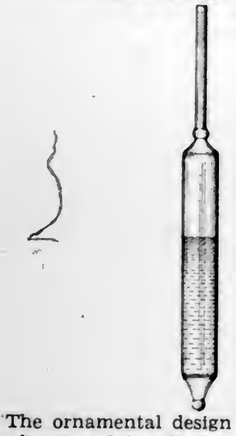
The ornamental design for a steam electric iron, substantially as shown.

113,671
DESIGN FOR A GAME BOARD
Harry S. Jones, South Orange, and Robert P. Moore, Livingston, N. J.
Application July 6, 1938, Serial No. 78,309
Term of patent 3½ years



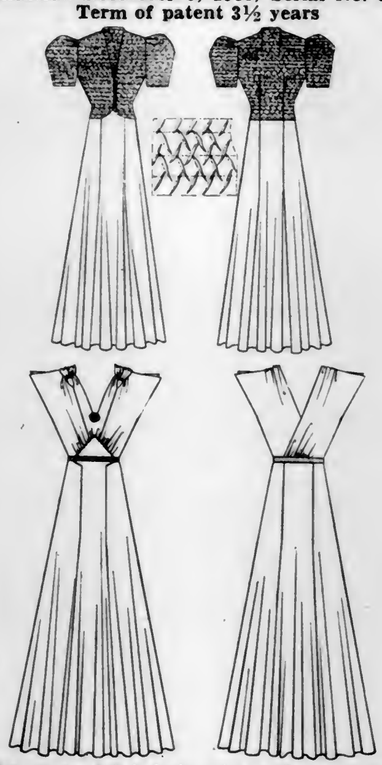
The ornamental design for a game board, as shown.

113,672
DESIGN FOR A BEVERAGE COOLER
Charles Kavalir, New York, N. Y.
Application May 26, 1938, Serial No. 77,410
Term of patent 7 years



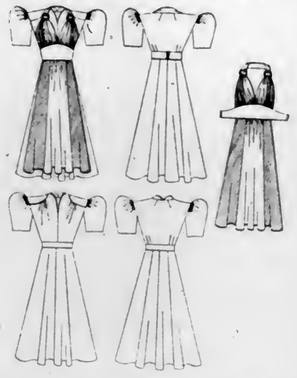
The ornamental design for a beverage cooler, as shown and described.

113,673
DESIGN FOR A DRESS ENSEMBLE
Ida Lampel, New York, N. Y.
Application December 9, 1938, Serial No. 81,678
Term of patent 3½ years



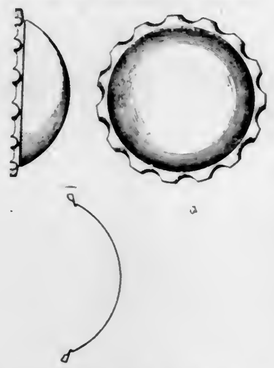
The ornamental design for a dress ensemble, substantially as shown and described.

113,674
DESIGN FOR A COMBINATION DRESS
Helen Lentini, New York, N. Y.
Application December 29, 1938, Serial No. 82,030
Term of patent 3½ years



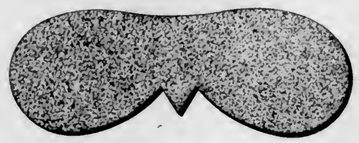
The ornamental design for a combination dress, substantially as shown.

113,675
DESIGN FOR A WHEEL DISK OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application June 22, 1936, Serial No. 63,429
Term of patent 14 years



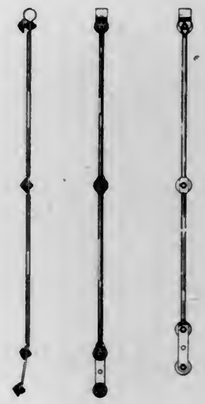
The ornamental design for a wheel disk or similar article, as shown.

113,676
DESIGN FOR AN EYE BANDAGE
Francis B. Mastin, New York, N. Y.
Application November 19, 1938, Serial No. 81,242
Term of patent 14 years



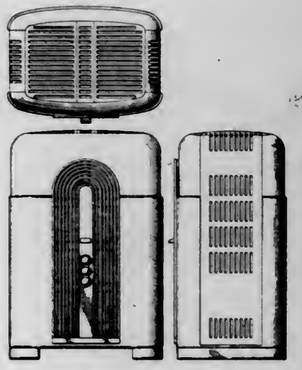
The ornamental design for an eye bandage, as shown and described.

113,677
DESIGN FOR A BICYCLE HANDLE BAR BRACE
Donald L. Miller, Des Moines, Iowa
Application October 3, 1938, Serial No. 80,216
Term of patent 14 years



The ornamental design for a bicycle handle bar brace, substantially as shown.

113,678
DESIGN FOR A HEATER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 7, 1938, Serial No. 80,914
Term of patent 7 years



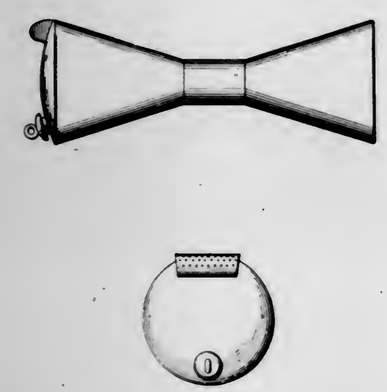
The ornamental design for a heater, as shown and described.

113,679
DESIGN FOR A LIQUID FILTER
Raymond J. Neely, Little Falls, N. Y., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application December 14, 1938, Serial No. 81,771
Term of patent 7 years



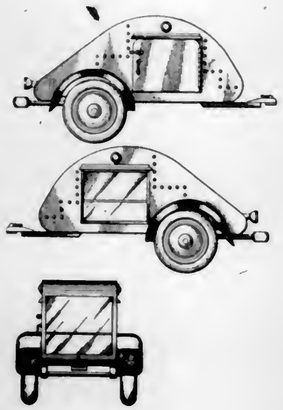
The ornamental design for a liquid filter, substantially as shown.

113,680
DESIGN FOR A CLOTHES SPRINKLER
John Opp, New Philadelphia, Ohio
Application December 15, 1938, Serial No. 81,803
Term of patent 14 years



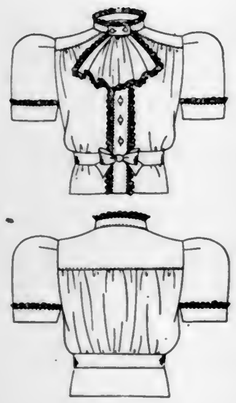
The ornamental design for a clothes sprinkler, as shown.

113,681
DESIGN FOR A DISPLAY TRAILER
William Lee Parsons, Jr., Omaha, Nebr.
Application May 21, 1938, Serial No. 77,326
Term of patent 7 years



The ornamental design for a display trailer, as shown and described.

113,682
DESIGN FOR A BLOUSE
Margaret Perell, New York, N. Y.
Application January 24, 1939, Serial No. 82,563
Term of patent 3½ years



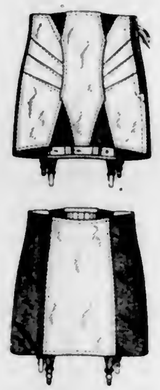
The ornamental design for a blouse, substantially as shown.

113,683
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application December 9, 1938, Serial No. 81,683
Term of patent 3½ years



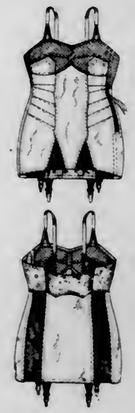
The ornamental design for a dress, substantially as shown and described.

113,684
DESIGN FOR A CORSET
Charles H. Schopbach and Mario Laguzzi, Aurora, Ill., assignors to International Corset Company, Aurora, Ill., a corporation of Illinois
Application January 16, 1939, Serial No. 82,376
Term of patent 14 years



The ornamental design for a corset, as shown.

113,685
DESIGN FOR A FOUNDATION GARMENT
Charles H. Schopbach and Mario Laguzzi, Aurora, Ill., assignors to International Corset Company, Aurora, Ill., a corporation of Illinois
Application January 16, 1939, Serial No. 82,377
Term of patent 14 years



The ornamental design for a foundation garment, as shown.

113,686
DESIGN FOR A DRESS ENSEMBLE
Anna Schwartz, New York, N. Y.
Application January 20, 1939, Serial No. 82,482
Term of patent 3½ years



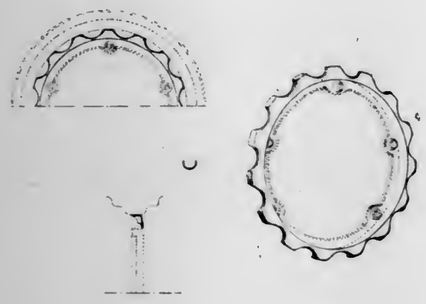
The ornamental design for a dress ensemble, substantially as shown.

113,687
DESIGN FOR A POCKET MEDICINE CONTAINER
David Sholtz, Miami, Fla., assignor, by mesne assignments, to Thompson's Limited, New York, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 80,717
Term of patent 14 years



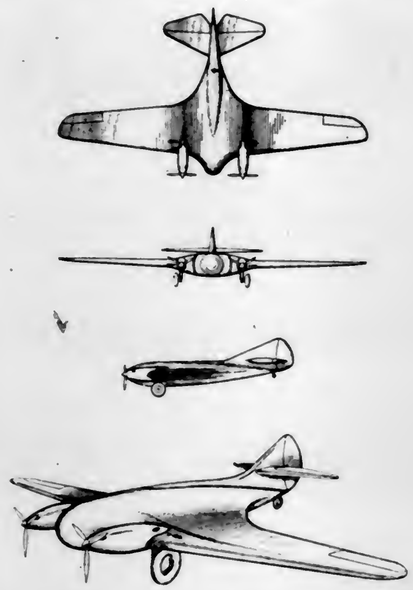
The ornamental design for a pocket medicine container, as shown.

113,688
DESIGN FOR A WHEEL BODY
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 14, 1935, Serial No. 58,974
Term of patent 14 years



The ornamental design for a wheel body substantially as shown and described.

113,689
DESIGN FOR A MEDIUM RANGE LOAD CARRYING AIRPLANE
James G. Taylor and Harold W. Case, Dayton, Ohio, assignors to the Government of the United States of America, as represented by the Secretary of War
Application August 14, 1935, Serial No. 58,126
Term of patent 7 years



The ornamental design for a medium range load carrying airplane, as shown and described.

113,690
DESIGN FOR A COSMETIC SPREADING ROLLER
Paul Tresenberg, New York, N. Y.
Application December 6, 1938, Serial No. 81,606
Term of patent 3½ years



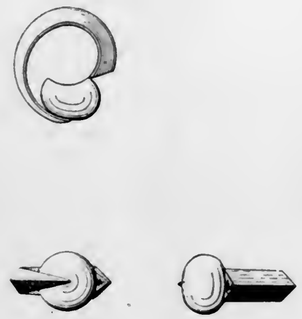
The ornamental design for a cosmetic spreading roller, as shown.

113,691
DESIGN FOR A RADIATOR GRILLE GUARD
Charles M. Van Auken, Highland Park, Mich.
Application November 5, 1938, Serial No. 80,900
Term of patent 7 years



The ornamental design for a radiator grille guard, substantially as shown.

113,692
DESIGN FOR A RING OR SIMILAR ARTICLE
Sandor Alexander Wittmayer, New York, N. Y.
Application January 23, 1939, Serial No. 82,548
Term of patent 7 years



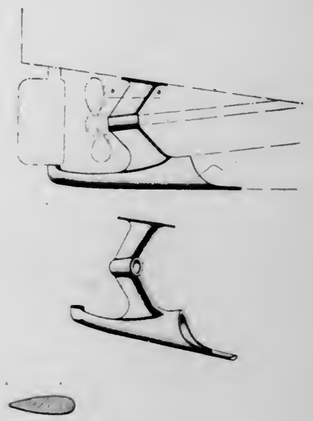
The ornamental design for a ring or similar article, as shown.

113,693
DESIGN FOR AN ANTENNA COUNTERPOISE
Arnold B. Bailey, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1937, Serial No. 68,799
Term of patent 14 years



The ornamental design for an antenna counterpoise, as shown and described.

113,694
DESIGN FOR A COMBINED PROPELLER SHAFT STRUT AND RUDDER SUPPORT
Andrew J. Higgins, New Orleans, La.
Application October 26, 1938, Serial No. 80,695
Term of patent 14 years



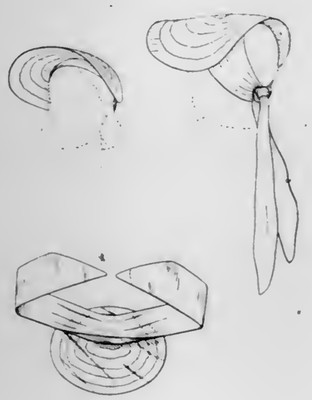
The ornamental design for a combined propeller shaft strut and rudder support, as shown.

113,695
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application December 21, 1938, Serial No. 81,904
Term of patent 3½ years



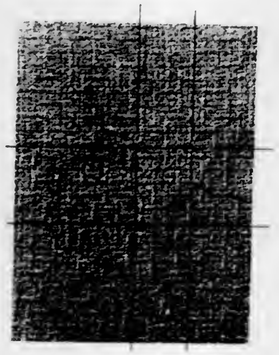
The ornamental design for a dress, substantially as shown.

113,696
DESIGN FOR A HAT
Elizabeth Schoen, New York, N. Y.
Application December 28, 1938, Serial No. 82,024
Term of patent 7 years



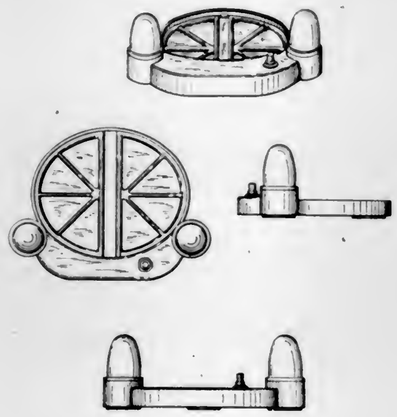
The ornamental design for a hat, substantially as shown.

113,697
DESIGN FOR A TEXTILE FABRIC
Samuel E. Staines, Ridgewood, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application December 13, 1937, Serial No. 73,561
Term of patent 14 years



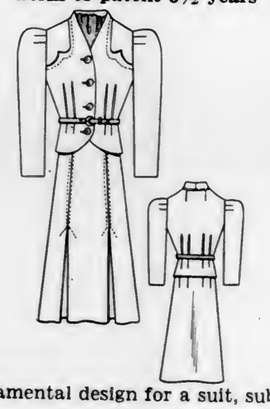
The ornamental design for textile fabric, as shown and described.

113,698
DESIGN FOR A COMBINED LAMP AND STAND FOR DIAL TELEPHONE
William C. Swalley and Arthur J. Lichtinger, Cleveland, Ohio, assignors to The Dialite Company, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1938, Serial No. 81,314
Term of patent 7 years



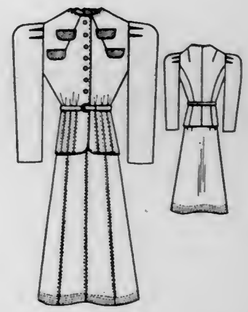
The ornamental design for a combined lamp and stand for a dial telephone, substantially as shown.

113,699
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application December 21, 1938, Serial No. 81,912
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

113,700
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application January 6, 1939, Serial No. 82,185
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

THE

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March 14, 1939

Trade-Marks	255—No.	365,521 to No.	365,775, inclusive.
Labels	39—No.	52,626 to No.	52,664, inclusive.
Prints	8—No.	17,270 to No.	17,277, inclusive.
Reissues	5—No.	21,027 to No.	21,031, inclusive.
Plant Patents	1—No.	318	
Patents	750—No.	2,150,142 to No.	2,150,891, inclusive.
Designs	128—No.	113,701 to No.	113,828, inclusive.
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Trade-Mark Registrations Canceled

196,502. Radio supplies and wireless equipment. Alexander S. Hecht, doing business as Dual Loud Speaker Co., New York, N. Y. Registered March 17, 1925. Canceled February 10, 1939.

253,070. Canned corn. Blue Earth Canning Company, Blue Earth, Minn. Registered February 19, 1929. Canceled February 3, 1939.

308,052. Humidifiers. American Radiator Company, New York, N. Y. Registered December 12, 1933. Canceled February 7, 1939.

308,059. Pipe fittings. American Radiator Company, New York, N. Y. Registered December 12, 1933. Canceled February 7, 1939.

339,068. Powder for cleaning false teeth. Edward H. Heil, doing business as Heil Products Co., Cleveland, Ohio. Registered October 13, 1936. Canceled February 10, 1939.

344,571. Medicine. Harry Tomback, doing business as Tomil Research Laboratories, New York, N. Y. Registered March 30, 1937. Canceled February 3, 1939.

351,522. Heating and forced draft ventilating units. Ford-Aire Inc., Detroit, Mich. Registered November 2, 1937. Canceled February 10, 1939.

359,937. Coal. John C. Stuver, Barberton, Ohio. Registered September 6, 1938. Canceled February 3, 1939.

361,093. Certain named piece goods. The H. & H. Mfg. Co., Inc., Quidnick, R. I. Registered October 4, 1938. Canceled February 10, 1939.

Label Registration Canceled

51,284. Dry sherry. Allen-Diaz, Inc., New York, N. Y. Registered June 14, 1938. Canceled February 3, 1939.

Adjudicated Patents

(C. C. A. N. C.) Rogers patent, No. 1,457,188, for multiple hole top for burner stoves, *Held* invalid, and if valid, not infringed. *Montgomery Ward & Co.* v. *Rogers*, 100 F.(2d) 721.

(C. C. A. Del.) Rosenberg patent, No. 1,809,758, for fastener, *Held* invalid. *Rosenberg* v. *Shakeproof Lock Washer Co.*, 100 F.(2d) 811.

(C. C. A. Del.) Rosenberg patent, No. 1,827,615, for fastener, *Held* invalid. *Id.*

(C. C. A. Calif.) Cavaglieri patent, No. 1,971,331, for building reconstruction, claims 2, 5, 6, 7, 8, 9, and 11 *Held* invalid. *Marquis* v. *Los Angeles City School Dist. of Los Angeles County*, 100 F.(2d) 788.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,035,409, R. F. Ruthruff, J. K. Roberts, and M. T. Carpenter, Olefin concentration and polymerization, decided February 14, 1939, claims 2 and 13.

Pat. 2,105,089, Erle Martin, Mechanical synchronizing device, decided February 15, 1939, claims 6, 7, and 8.

Renewal of Forfeited Cases

A petition for the renewal of a forfeited application need not be signed by the inventor or assignee, but may be signed by the attorney.

A power of attorney in the original application authorizing an attorney to transact all business in the Patent Office in connection with the application construed to be of sufficient scope to include the signing of a petition for renewal and the subsequent prosecution of the application (*Ex parte Agee*, 101 O. G., 1609.)

Condition of Applications Under Examination at Close of Business February 25, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,639; Trade-Mark Division, 1,517. Oldest new case, July 19, 1938; oldest amended, June 30, 1938.)
(The dates given are 1938 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 22	Sept. 23	706
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 17	Oct. 8	661
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 7	†Jan. 11	237
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 24	Nov. 2	434
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 25	Nov. 25	527
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 1	Aug. 25	1092
5725	7. JARBOE, C. G., Optics; Photography	Nov. 8	Nov. 8	926
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 22	Oct. 20	932
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Oct. 24	Oct. 24	547
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 4	Nov. 21	576
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 5	Nov. 15	450
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 1	Aug. 4	666
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Sept. 30	Sept. 30	704
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Dec. 5	Dec. 5	446
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 20	Oct. 20	1117
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 3	Sept. 13	738
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 21	Sept. 20	498
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 2	Sept. 7	553
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 7	Nov. 14	489
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 27	Dec. 15	290
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 30	Nov. 23	494
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 5	Nov. 10	704
7624	23. BUTTNER, W. J., Registers (part)	July 19	June 30	283
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 19	Dec. 17	417
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 5	Nov. 5	423
5893	26. YOUNG, R. R., Electricity, Generation, Motive Power	Oct. 27	Oct. 26	558
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	Aug. 29	Aug. 30	1032
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 7	Oct. 29	437
5082	29. SIKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Oct. 22	Oct. 18	611
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 6	Sept. 6	879
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 25	Nov. 25	638
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 16	Aug. 10	491
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Nov. 3	Nov. 1	706
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 19	Dec. 1	240
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Oct. 28	Oct. 30	576
7592	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Sept. 26	Sept. 14	564
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 16	Aug. 17	690
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Sept. 9	Sept. 9	522
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 17	Nov. 8	496
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 26	Sept. 28	1471
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Aug. 6	201
5882	42. CUTTING, H. G., Electric Signaling	July 20	July 23	645
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 24	Sept. 24	487
4087B	44. HARVEY, L. P., Refrigeration	Sept. 23	Sept. 13	655
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Sept. 26	Oct. 7	658
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 5	Oct. 11	686
6082	47. LOWE, E. R., Clutches; Brakes	Oct. 25	Nov. 4	395
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 21	Nov. 21	343
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 24	Aug. 2	963
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 19	Aug. 31	1227
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 18	Nov. 18	732
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 12	Nov. 19	768
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 9	Nov. 19	581
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 12	Nov. 18	400
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	July 27	1272
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Sept. 25	Sept. 25	1068
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 11	Sept. 1	454
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Sept. 15	Nov. 14	312
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 12	Nov. 16	613
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Oct. 25	Oct. 27	459
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 19	Sept. 22	520
5621	62. PUGH, E. C., Games, Geometrical Instruments	Dec. 12	Dec. 12	426
4888	63. WINKELSTEIN, A. H., Foods and Beverages, Preserving, Disinfecting, and Fermentation, Poisons.	Oct. 14	Oct. 29	420
4708	64. NASH, P. M., Acetylene, Distillation, Gas Mixers, Oils, Fats, and Glue, Liquid Coating Compositions, Fuel.	Oct. 18	Oct. 18	947
5612	65. McDERMOTT, F. P., Electricity, Conductors, Repeaters; Relays; Wave Transmission	Sept. 12	Sept. 16	607
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Jan. 17	†Feb. 10	1444
	{Labels and Prints	†Feb. 20	†Feb. 23	73
2605	Designs: H. H. KALUPY	†Jan. 18	†Feb. 1	978

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

SVENSON
v.
COE, COMMISSIONER OF PATENTS

No. 7,125. Decided December 19, 1938

[— F.(2d) —]

1. PUBLIC-USE PROCEEDINGS—INSTITUTION IS WITHIN COMMISSIONER'S DISCRETION.
Where the Commissioner found that a prima facie case of public-use was not made out and decided not to hold public-use proceedings in connection with a certain interference and later decided that a prima facie showing of public-use was made out but decided that it was expedient not to hold public-use proceedings until priority of invention was established, *Held* "It would be inappropriate to inquire whether the Commissioner's theories were sound, for the decision to hold or not to hold public-use proceedings is within his discretion."

2. SAME—SAME—DISCRETIONARY ACTION CANNOT BE CONTROLLED BY MANDAMUS OR INJUNCTION.
Held that the Commissioner's discretionary action in deciding to hold public-use proceedings or not to hold them cannot be controlled by mandamus or injunction.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Richard R. Trexler and *Mr. Theodore A. Hostetler* for Svenson.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MILLER, EDGERTON and VINSON, Associate Justices

Edgerton, *J.:*

Appellant filed in the district court his petition for mandamus to require the Commissioner of Patents to hold "public-use proceedings" in connection with certain interference proceedings involving patents of appellant [1] and an application of one Alden. This appeal is from the dismissal of that petition.

[1] In the Patent Office, the Primary Examiner reported that a prima facie case of public use was made out against Alden. The Commissioner reversed that finding, and decided not to hold public-use proceedings. No statute requires or mentions such proceedings. Rule 11 of the Patent Office provides that, if a Primary Examiner finds a prima facie showing that an alleged invention had been in public use two years before the filing of the patent application, "a hearing may be had before the Commissioner to determine whether a public-use proceeding should be instituted". Even if "may" were expanded to mean "must", appellant would have no cause of complaint; for a hearing was held. The Commissioner later found that he had been in error in ruling that there was no prima facie showing of public use; but he decided that it was expedient not to hold public-use proceedings until priority of invention was established. Appellant objects to the theories on which the Commissioner acted in reaching both of his decisions not presently to hold public-use proceedings. It would be inappropriate to inquire whether the Commissioner's theories were sound, for the decision to hold or not to hold public-use proceedings is within his discretion. The fact that no appeal lies from his decision does not alter the case.[2]

[2] The familiar rule that mandamus lies against an officer only when he is refusing to perform a plain duty has been applied not only by this court[3] but by the Supreme Court[4] in proceedings against the Commissioner of Patents. This court has repeatedly refused to regulate his conduct of interference proceedings. "His discretionary action in this respect cannot be controlled by mandamus or injunction."[5] His decision to hold public-use proceedings cannot be so controlled.[6] His decision not to hold them is on the same footing.

In *Steinmetz* v. *Allen*,[7] which appellant cites, the Patent Office had refused to permit an appeal which was expressly authorized by statute. In *Coe* v. *United States ex rel. Remington Rand, Inc.*,[8] it had refused to permit an amendment which was expressly authorized by its rules.

Appellant complains that the patent authorities, after deciding on October 1, 1936, not to declare a third interference (between Alden's application and an application of appellant) until "the controversy as to public use has terminated", changed their minds and in December, 1936, declared that interference. He says the decision not to declare it was "final", and that the Patent Office had no authority to reverse itself in the matter. He asks that the Commissioner be required to disregard this third interference in considering his course of action with regard to public-use proceedings in the first interference. As the Commissioner's course with regard to public-use proceedings is discretionary, we could not grant appellant's prayer even if his strictures on the third interference were justified. But the declaration of that interference in December was consistent with the earlier decision of October 1; for the Office had in the meantime, on November 21, decided that no prima facie case of public use was made out. Although that decision of November 21 was later modified, we think that in the meantime the controversy as to public use had been "termi-

[1] Nos. 1,924,422 and 1,986,862.

[2] *Riverside Oil Co.* v. *Hitchcock*, 190 U. S. 316, 23 S. Ct. 698, 47 L. Ed. 1074.

[3] e. g., *United States ex rel. Lincoln Highway Association* v. *Ewing*, 42 App. D. C. 508; *United States ex rel. Societe de Condensation* v. *Coe*, 67 App. D. C. 207, 91 F.(2d) 238; cert. denied, 302 U. S. 721, rehearing denied, 302 U. S. 776; *United States ex rel. White* v. *Coe*, 68 App. D. C. 218, 95 F.(2d) 347.

[4] *Ewing, Commissioner of Patents*, v. *United States ex rel. Fowler Car Co.*, 244 U. S. 1, 37 S. Ct. 494, 61 L. Ed. 955.

[5] *United States ex rel. American Gas-Accumulator Co.* v. *Coe, Commissioner of Patents*, 66 App. D. C. 21, 84 F.(2d) 398, 400; *United States ex rel. Dwiggins* v. *Ewing*, 43 App. D. C. 204, cert. denied, 238 U. S. 640.

[6] *United States ex rel. Dunkley Co.* v. *Ewing*, 42 App. D. C. 176.

[7] 192 U. S. 543, 24 S. Ct. 416, 48 L. Ed. 555.

[8] 65 App. D. C. 387, 84 F.(2d) 240.

nated" within the meaning of the decision of October 1. At the least, that construction is tenable, and the Office was entitled to adopt it. We need not decide whether cases denying its power to reverse a final decision on the validity of claims or the right of parties to make claims should be extended to preclude reversal of a decision regarding the order in which proceedings to determine the validity of claims should go forward.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MANSON

No. 4,045. Decided December 5, 1938

[99 F.(2d) 974]

1. PATENTABILITY—COP.

Claims for a cop *Held* unpatentable over the prior art.

2. APPEALS—UNENTERED CLAIMS NOT CONSIDERED.

Where the Examiner refused to enter certain claims proposed by appellant after he had taken his appeal to the Board of Appeals and appellant did not petition the Commissioner, as he might have done under rules 68 and 142, to direct entry of the claims, *Held* the Board of Appeals properly declined to consider the proposed claims.

APPEAL from Patent Office. Affirmed.

Mr. Eugene E. Stevens (*Mr. Aaron R. Townshend, Jr.*, of counsel) for Manson.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, for lack of patentability over the cited prior art, claims 30, 31, and 32 of appellant's application for a patent, and we are also asked to review the refusal of the Examiner, affirmed by the Board of Appeals, to enter proposed claims 33, 34, and 35. No claims were allowed. All of the claims are for an article of manufacture.

Claims 30 is illustrative and reads as follows:

30. As a new article of manufacture, a cop in the form of a substantially rigid hollow shell having thin walls of firmly compacted pulp fibres resistant to substantial pressure.

The cited references are: Murphy, 1,037,295, September 3, 1912; Tiffany, 1,367,639, February 8, 1921.

There is also included in the record a patent to Gess, No. 986,379, March 7, 1911. This patent was not relied upon by the Patent Office tribunals, but is referred to in the patent to Tiffany and is a part of the prior art.

The alleged invention, as indicated by the above quoted claim, consists of a core, used in the textile industry and known as a cop, having thin walls, with an integral top, uniformly composed throughout of firmly compacted pulp fibres resistant to substantial pressure.

The patent to Murphy relates to a yarn cone or cop. After describing the drawings the patent states:

As thus illustrated, my invention comprises a paper yarn cone A of pronounced conical formation, having a base or lower edge *a*, and a crown or tip *a'* at the upper end thereof. The said cone can be made of any suitable material, and as illustrated is made of several layers of paper or *similar fibrous material* pressed together to form stiff sides for the cone, whereby the latter will be of suitable strength and adapted to support the yarn in the usual and well known manner. * * * [Italics ours.]

Figure 3 of the patent drawings shows that the tapered end of the cone is in-turned.

The patent to Tiffany also relates to a winding and shipping cone and discloses a cone which has a cap. The patent stated:

* * * The cap-like member may be molded into shape and may thereafter be applied to the desired cone, or within the scope and purpose of my invention the paper or other material in an unmolded form may be applied to the cone and formed or shaped on the cone.

The Board of Appeals in its decision stated:

Appellant claims as a new article of manufacture a cop formed of a rigid hollow shell with thin walls of firmly compacted pulp fibres. The patents to Tiffany and Murphy both show cops probably made of paper rolled in layers or coils but Tiffany suggests the use of a cap molded to shape. Murphy states the layers of paper or "similar fibrous material" should be pressed together to form stiff sides of the cone. Obviously the paper is formed of compacted fibers.

We do not consider the claims on appeal differentiate from the prior art, at least in any material respect. As a matter of fact, they do not state that the side walls and top are molded to shape but even if they did, it is such common practice to mold similar articles of fibrous material that such construction would be, in our opinion, lacking in patentable merit.

Whether the prior art shows thin walls or not raises a question of degree and has no patentable significance. Murphy shows the top inwardly depressed forming a reinforced end of the shell.

We can add little to this statement of the Board. The patent to Murphy states that his core—

"can be made of any suitable material, and as illustrated is made of several layers of paper or similar fibrous material pressed together to form stiff sides for the cone, * * *."

Paper is ordinarily made of pulp fibre, and we think the term "similar fibrous material", as used by Murphy, would include pulp fibre. Appellant contends that, even if the Murphy disclosure is broad enough to include pulp fibre, he does not show that it is firmly compacted in the cone, nor does the patent to Tiffany show it. However it seems to us that the disclosure of Murphy that the material used is "pressed together to form stiff sides" must necessarily result in the fibre becoming "firmly compacted".

[1] We are clearly of the opinion that the claims before us define nothing inventive over the references. Appellant further contends that his cop is molded, while the cops shown in the prior art are formed by winding the paper or other material used in their manufacture. Suffice it to say upon this point that the involved claims are not limited to molded cops, and we express no opinion as to whether, if such limitation had been made in the claims, they would be allowable.

There is found in the record an affidavit of one Clements stating that the cop cones produced by appellant are a commercial success. In view of the fact that we are clearly of the opinion that the claims are not allowable, this affidavit may not be resorted to in aid of patentability, but we do call attention to the fact that the affidavit seems to place the commercial success of appellant's product upon the fact that it is molded, which fact, as hereinbefore stated, is not here involved.

Appellant assigns error by the Board of Appeals in failing and refusing to give due consideration to the patent to Gess.

Appellant's counsel in his brief does not discuss this reason of appeal, but it is clear that if the claims lack patentability over the patents to Murphy and Tiffany, as we hold they do, appellant could not have been prejudiced by any failure upon the part of the Patent Office tribunals to consider the patent to Gess.

Appellant also assigns error by the Board of Appeals in failing to consider his proposed claims 33, 34, and 35. These amendments were proposed after appellant had taken his appeal to the Board of Appeals. The Board remanded the case to the Primary Examiner to make such disposition of the proposal as he deemed proper. The Examiner declined to enter the proposed claims; he stated:

The Examiner declines to enter this amendment since the claims are presented without any statement whatever as to what significance the differences in said claims over the finally rejected claims have. It is noted that these claims introduce the statement that the layer is "single". Proposed claim 33 calls the layer a "single, thin, integral layer". The difference over the finally rejected claim resides in the words "single" and "integral". If these claims are no different from the rejected claims there seems no reason for their entry. Insofar as they differ the attorney has not pointed out what their significance is.

It is also noted that this case has received many actions and abundant opportunity was offered for presenting the claims in the manner desired and no reason for further amendment is apparent.

[2] Appellant did not petition the Commissioner to direct the Examiner to enter these proposed claims, as he might have done under rules 68 and 142 of the rules of the Patent Office. Under these circumstances the Board of Appeals properly declined to consider the proposed claims. *In re Merriman*, 22 C. C. P. A. (Patents) 923, 74 F.(2d) 944, 1935 C. D. 287, 455 O. G. 508.

That appellant has improved the art of the manufacture of cops we do not doubt, and there may be invention in such improvement; but if so, it is not embraced in the claims before us.

We conclude that the action of the Board of Appeals was right and its decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,032,110, C. J. Carlson, Window screen device, D. C. Mont. (Helena), Doc. 1606, *C. J. Carlson* v. *Watson Mfg. Co., Inc., et al.* Dismissed for want of prosecution Jan. 14, 1939.

1,185,676, E. Jagels, Waste pipe connections, D. C., E. D. Pa., Doc. 3877, *E. Jagels* v. *Fleck Bros. Co. et al.* Dismissed for want of prosecution Jan. 6, 1939.

1,373,748, N. M. Lower, Screw conveyor, D. C., E. D. Va., Doc. E 233, *The Standard Stoker Co., Inc.*, v. *Berkley Machine Works & Foundry Co., Inc.* Claims 1 and 2 held invalid Dec. 22, 1938.

1,381,945, G. J. Thomas, Driving gearing, D. C., N. D. Ohio, W. Div., Doc. E 1452, *Universal Products Co., Inc.*, v. *Spicer Mfg. Corp.* Dismissed without prejudice Jan. 4, 1939.

1,401,156, C. J. Jenkins, Lawn-mower, filed Dec. 27, 1939, D. C., N. D. N. Y., Doc. 72, *Moto-Mower Co.* v. *E. C. Stearns & Co., Inc.*

1,405,523, M. C. Latour, Audion or lamp relay or amplifying apparatus, D. C., S. D. N. Y., Doc. E 80/191, *Latour Corp.* v. *Sears, Roebuck & Co., Inc.* Consent order of discontinuance without prejudice (notice Jan. 20, 1939).

1,410,499, A. Pacz, Metal and its manufacture, D. C., N. D. Ohio, W. Div., Doc. E 1576, *General Electric Co.* v. *Save Electric Corp. et al.* Dismissed without prejudice Jan. 4, 1939.

1,420,578, W. Reichstein, Safety padlock, D. C., S. D. N. Y., Doc. E 80/78, *W. Hailparn* v. *H. Greenberg et al.* (*Greenberg & Josefsberg*). Discontinued (notice Jan. 14, 1939).

1,439,121, A. E. Reimers, Heating unit for sad irons, D. C., S. D. N. Y., Doc. E 77/39, *A. E. Reimers et al.* v. *I. Abrams.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,460,492, H. L. Latz, Communication sheet, D. C., S. D. N. Y., Doc. E 83/366, *H. Latz et al.* v. *Carolyn Laundry.* Stipulation of discontinuance (notice Jan. 6, 1939).

1,470,490, N. Schwartz, Method or process for producing knit fabrics, filed Dec. 19, 1938, D. C., E. D. Pa., Doc. 117, *N. Schwartz et al.* v. *Howard Hosiery Co.*

1,481,962, J. W. Irvin, Valve-in-head motor, filed Jan. 6, 1939, D. C. Conn. (New Haven), Doc. 77, *J. W. Irvin* v. *Cooley Chevrolet Co.*

1,544,172, A. Perkins, Sorting and classifying of flat sheets, tallies, cards, etc., D. C., N. D. Calif. (San Francisco), Doc. E 4145–S, *The McBee Co.* v. *J. M. Kemp* (*Kemp Agency*). Doc. E 4146–S, *The McBee Co.* v. *The Rathjen Bros., Inc.* Doc. E 4147–L, *The McBee Co.* v. *Tri-Valley Packing Ass'n.* Doc. E 4148–S, *The McBee Co.* v. *V. F. Pollak.* Dismissed without prejudice Jan. 11, 1939, in each of above cases.

1,566,066, H. M. Becher, Process for dyeing fur and product thereof, D. C., S. D. N. Y., Doc. E 80/74, *Technical Fur Patents, Inc.*, v. *Central Stripping & Blending Corp.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,570,364, J. Wieder, Sample tab, D. C., S. D. N. Y., Doc. E 82/380, *Standard Sample, Inc., et al.* v. *J. Stein* (*National Sample Card Co.*). Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,573,341, E. B. Hiatt, Device for packing fruit, etc., D. C., N. D. Ga. (Atlanta), Doc. E 710, *Carpenter-Hiatt Sales Co.* v. *Atlanta Paper Co.* Decree for complainant (notice Jan. 14, 1939).

1,580,670, B. Nagy, Delivery mechanism for bottle cap assembling machines, C. C. A., 2d Cir., Doc. —, *B. Nagy* v. *L. Mundet & Son, Inc., et al.* Decree affirmed (notice Jan. 9, 1939).

1,581,886, J. Strand, Sales and display cards, C. C. A., 1st Cir., Doc. 3382, *Stransky Products Corp.* v. *E. H. Tate Mop & Cordage Co.* Decree affirmed (notice Jan. 12, 1939).

1,594,039. (See 1,821,902.)

1,599,637, V. Buchanan, Corset, D. C., S. D. N. Y., Doc. 1/462, *V. Buchanan* v. *Warner Bros. Co., Inc.* Consent stipulation of discontinuance (notice Jan. 23, 1939).

1,603,535, E. Haberfeld, Device for creating an optical illusion, D. C., S. D. N. Y., Doc. E 85/184, *Biolite, Inc.*, v. *W. Jacques et al.* (*Bubble-Glo Sales Co.*). Dismissed for lack of prosecution (notice Jan. 23, 1938).

1,613,452, E. G. Grab, Retort for treatment of fruit, C. C. A., 4th Cir., Doc. 4395, *Food & Fruit Industries, Inc.*, v. *National Fruit Product Co., Inc.* Decree affirmed Jan. 10, 1939.

1,641,871, S. Solomon, Brief case, D. C., S. D. N. Y., Doc. E 85/11, *S. Solomon et al.* v. *Standard Brief Case Co., Inc.* Decree for plaintiff (notice Jan. 18, 1939).

1,650,767, W. H. Odiorne, Hitch device for trucks, filed Jan. 10, 1939, D. C., E. D. Mich., S. Div., Doc. 385, *Mercury Mfg. Co.* v. *G. A. Rose* (*Watson-Rose Mfg. Co.*) *et al.*

1,665,745, A. S. Lang, Saxophone cord, D. C., S. D. N. Y., Doc. E 85/362, *J. Schwartz* v. *Hygo Musical Products Co., Inc.* Decree for plaintiff (notice Jan. 4, 1939).

1,687,510, M. Pipkin, Electric lamp bulb, D. C., S. D. N. Y., Doc. E 84/118, *General Electric Co.* v. *Grand Gas*

Light Co., Inc., et al. Consent decree for plaintiff (notice Feb. 2, 1939). Doc. E. 83/377, *General Electric Co. v. New York Merchandise Co., Inc.* Consent decree for plaintiff (notice Jan. 20, 1939).

1,695,609, F. Richter, Tail-boards and tail-board mounting for trucks, filed Jan. 10, 1939, D. C., E. D. N. Y., Doc. 166, *Perfect Tailboards, Patented, v. National Bent Steel Corp. et al.*

1,700,985, C. H. Jasper, Process and device for joining, finishing, and final insulating wire terminals of electrical conductors, D. C., S. D. N. Y., Doc. E 78/117, *J. W. Becker et al. v. J. H. Parker et al.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,702,235, L. Steinberger, System of line insulation and insulator therefor, D. C., S. D. N. Y., Doc. 1/483, *J. P. Steinberger v. Porcelain Products, Inc.* Withdrawal of action (notice Jan. 20, 1939).

1,709,477, W. D. Kyle, Insulator, filed Dec. 29, 1938, D. C., S. D. N. Y., Doc. 2/77, *Line Material Co. v. L. R. Zimmerman (Economy Electric Sales Co.) et al.*

1,720,961, B. Lindberg, Dry-cleaning washer, D. C., S. D. N. Y., Doc. E 87/304, *U. S. Hoffman Machinery Corp. v. Colonial Dye Works, Inc.* Dismissed without prejudice (notice Jan. 12, 1939).

1,727,962, S. G. Buskard, Spray device, D. C., S. D. N. Y., Doc. E 83/349, *S. G. Buskard v. Schreiber & Goldberg, Inc.* Stipulation settling and dismissing action (notice Jan. 16, 1939).

1,786,372, C. H. Vogt, Food product and method of marketing same, filed Dec. 16, 1939, D. C., E. D. Pa., Doc. 115, *Modern Food Process Co., Inc., v. Chester Packing & Provision Co., Inc.*

1,792,058, R. L. Atkinson, Method of making colored granules and the article made thereby, appeal filed Sept. 6, 1938, C. C. A., 3d Cir., Doc. 6880, *R. J. Funkhouser & Co. et al. v. Fiske Co. et al.*

1,796,407, H. L. Shuldener, Liquid treating method and apparatus, filed Jan. 4, 1939, D. C., S. D. N. Y., Doc. 2/117, *H. L. Shuldener et al. v. T. G. Keefer et al.*

1,807,091, L. W. Pollack, Doll's eyes and mounting therefor, D. C., S. D. N. Y., Doc. E 85/286, *Margon Corp. v. S. Kalner (Well Made Doll Co.).* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,821,902, 1,594,039, W. A. Baum, Manometer, C. C. A., 3d Cir., Doc. 6668, *W. A. Baum Co., Inc., v. Becton, Dickinson Co., Inc.* Decree affirmed Jan. 21, 1939.

1,829,718, E. Anderson, Venetian blind bracket, D. C., S. D. N. Y., Doc. E 83/119, *F. Hann v. Lorentzen Hardware Mfg. Corp.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,830,768, I. M. Rod, Art of making garments, D. C., S. D. N. Y., Doc. E 78/208, *Rokap Corp. v. A. Bernstein et al. (Gotham Trouser Co.).* Doc. E 78/211, *Rokap Corp. v. M. S. Ritt.* Doc. E 78/268, *Rokap Corp. v. Delbrook Clothes, Inc.* Dismissed for lack of prosecution (notice Jan. 23, 1939), in each of above cases.

1,832,181, L. J. Byer, Sock and method of making same, filed Jan. 4, 1939, D. C., S. D. N. Y., Doc. 2/118, *L. J. Byer et al. v. Sarfert Hosiery Mills, Inc., et al.*

1,838,363, F. C. Copeland, Dispensing and lighting device, D. C., S. D. N. Y., Doc. E 85/327, *F. C. Copeland et al. v. R. H. Macy & Co., Inc.* Dismissed for lack of prosecution Jan. 23, 1939.

1,840,603, W. B. Pratt, Box toe, filed Jan. 23, 1939, D. C., Mass., Doc. 119, *Beckwith Mfg. Co. v. Atlas Shoe Products Corp. et al.*

1,871,774, Blum & Moore, Jr., Advertising folder, D. C., E. D. Pa., Doc. 10067, *Chas. Blum Advertising Corp. v. L. & C. Mayers Co., Inc.* Dismissed Dec. 16, 1938.

1,879,768, I. H. Shalomith, Terminal connection for electric lamp sockets, D. C., S. D. N. Y., Doc. E 77/87, *I. H. Shalomith v. Elete Lamp Co., Inc., et al.* Dismissed for lack of prosecution Jan. 23, 1939.

1,885,527, A. Luft, Garment, D. C., S. D. N. Y., Doc. E 85/374, *Sporting Footwear Co., Inc., v. Blueglass Kiddie Bazaar, Inc.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

Disclaimers

Re. 18,280.—*James B. Kirby,* West Richfield, Ohio. CLOTHES WASHING MACHINE. Patent dated December 8, 1931. Disclaimer filed February 4, 1939, by the trustee, *The Apex Electrical Manufacturing Company,* and the assignee, *Industrial Improvements Incorporated.*

Hereby disclaim claims 24, 25, and 29 from the specification of said patent.

1,712,755.—*Joseph A. Dietenberger,* Cleveland, Ohio. WASHING MACHINE. Patent dated May 14, 1929. Disclaimer filed February 4, 1939, by the trustee, *The Apex Electrical Manufacturing Company,* and the assignee, *Industrial Improvements Incorporated.*

Hereby disclaim claim 1 from the specification of said patent.

1,780,375.—*Theodore F. Bradley,* Westfield, N. J. TREATING POROUS AND NONPOROUS MATERIALS. Patent dated November 4, 1930. Disclaimer filed February 16, 1939, by the assignee, *American Cyanamid Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 15, with the exception that your petitioner does not disclaim the subject matter of claims 1, 2, 3, 4, 5, and 6 wherein the porous materials are restricted to materials other than paper.

1,821,902.—*William A. Baum,* New York, N. Y. MANOMETER. Patent dated September 1, 1931. Disclaimer filed February 15, 1939, by the assignee, *W. A. Baum Co., Inc.*

Hereby enters this disclaimer to claims 5, 6, 7, 9, 10, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, and 31 in said specification.

1,969,178.—*James B. Kirby,* West Richfield, Ohio. LAUNDRY MACHINE. Patent dated August 7, 1934. Disclaimer filed February 4, 1939, by the trustee, *The Apex Electrical Manufacturing Company,* and the assignee, *Industrial Improvements Incorporated.*

Hereby disclaim claims 3, 30, and 32 of said patent.

1,985,443.—*Donald Clute,* Detroit, Mich. HYDRAULIC TRANSMISSION. Patent dated December 25, 1934. Disclaimer filed February 15, 1939, by the assignee, *The Oilgear Company.*

Hereby enters this disclaimer to claims 6, 7, 8, 9, 10, 11, 13, 14, and 15 of said Letters Patent.

2,092,722.—*Charles A. Bangert,* Columbus, Ohio. SILO ROOF. Patent dated September 7, 1937. Disclaimer filed February 4, 1939, by the assignee, *Lamneck Products, Incorporated.*

Hereby enters this disclaimer to claims 7, 8, and 9 in said specification.

2,113,767.—*Louis Paggi,* Belleville, N. J. MANUFACTURE OF LAMINATED GLASS. Patent dated April 12, 1938. Disclaimer filed February 11, 1939, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, and 7 of said specification.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 14, 1939

[VOL. 500. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 414,596. B. D. EISENDRATH TANNING COMPANY, Chicago, Ill. Filed Jan. 7, 1939.

CLIPPER CALF

The word "Calf" is disclaimed apart from the mark.
For Leather.
Claims use since Nov. 15, 1938.

Ser. No. 415,241. J. W. BELL & SONS, Paris, Ky. Filed Jan. 26, 1939.



The words "Bourbon White Burley Tobacco Seed", "Latest Improved Cigarette Tobacco", and "A Smoker from Bottom to Top" are disclaimed apart from the mark.
For Tobacco Seed.
Claims use since Dec. 17, 1937.

Ser. No. 415,279. AGICIDE LABORATORIES, Milwaukee, Wis. Filed Jan. 27, 1939.

PARTEX

For Foundry Partings.
Claims use since Dec. 22, 1938.

CLASS 2

Receptacles

Ser. No. 414,765. ALUMINUM COMPANY OF AMERICA, Pittsburgh, Pa. Filed Jan. 13, 1939.

ALTEX

For Collapsible Tubes.
Claims use since Dec. 30, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 414,656. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Jan. 10, 1939.

SORAPON

For Washing and Scouring Agent for Textile Fabrics.
Claims use since Dec. 23, 1938.

CLASS 5

Adhesives

Ser. No. 413,368. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Dec. 1, 1938.

BONDCOR

For Adhesives Containing Starch.
Claims use since Nov. 15, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 390,282. JANE SEYMOUR LIMITED, London, England. Filed Mar. 19, 1937.



The portrait is fanciful and the words "Beauty Preparations" are disclaimed apart from the mark.

For Astringent Lotions, Acne Lotions, Anti-Weather Creams, Anti-Wrinkle Creams, Blackhead Paints, Bleaching Creams, Bronzing Lotions, Cleansing Creams, Cleansing Milks, Complexion Milks, Cuticle Creams, Cuticle Oils, Cuticle Removers, Eye Drops, Eye Lash Growers, Eye Lotions, Foundation Creams, Hand Lotions, Hand Packs, Hormone Creams, Juniper Skin Tonics, Muscle Oils, Nail Varnishes, Nail Varnish Removers, Dusting Powders, Pore Creams, Face Powders, Reducing Creams, Rejuvenating Masks, Rouge Powders, Special Protective Creams, Stimulating Creams, Sunbaim Lotions, Sun Tan Oils, Vitamin Creams, Wax Depilatories, and Eau de Cologne.

Claims use since May, 1933.

Ser. No. 390,771. ANGLO-INTERNATIONAL PRODUCERS LIMITED, London, England. Filed Apr. 1, 1937.



The word "Airsea" is disclaimed apart from the mark.

For Medicine for Sea, Air, and Rail Sickness.

Claims use since Mar. 10, 1937.

Ser. No. 397,773. ERICH F. R. SCHUELKE, doing business as Colloid Chemical Laboratories, New York, N. Y. Filed Sept. 24, 1937.

COLLANOL

For Oils Used in the Manufacture of Paints, Varnishes, Lacquers, Printing Inks, Linoleum, and Synthetic Resins, and Having Their Industrial Uses.

Claims use since Sept. 1, 1937.

Ser. No. 397,774. ERICH F. R. SCHUELKE, doing business as Colloid Chemical Laboratories, New York, N. Y. Filed Sept. 24, 1937.

ALKYDOL

For Oils Used in the Manufacture of Paints, Varnishes, Lacquers, Printing Inks, Linoleum, and Synthetic Resins, and Having Their Industrial Uses.

Claims use since June 5, 1937.

Ser. No. 398,164. THE IVIS COMPANY, INC., New York, N. Y. Filed Oct. 5, 1937.

MILK-MODE

The term "Milk" is disclaimed apart from the mark.

For Lotions Suitable for Application to the Skin, and Face Packs.

Claims use since Sept. 23, 1937.

Ser. No. 400,909. THE JEFFERIES COMPANY, Bluefield, W. Va. Filed Dec. 16, 1937.

BI-TONE

For Cold Capsules, Liver Pills, Cough Syrup, and Antiseptic Solution.

Claims use since Oct. 29, 1937.

Ser. No. 405,712. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed Apr. 26, 1938.

Barbara Bates

MANICURE Beauty BATH

The words "Barbara Bates" are a facsimile signature of a person of that name. Applicant disclaims the words "Manicure Beauty Bath" apart from the mark.

For Preparations for Treating the Nails.

Claims use since Sept. 1, 1935.

Ser. No. 406,128. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 9, 1938.

FILMFAST

For Spray Compound for Improving the Distribution of Insecticidal and Fungicidal Sprays on Vegetation.

Claims use since Feb. 9, 1938.

Ser. No. 408,354. WALTER S. MATTHEWS, De Funiak Springs, Fla. Filed July 9, 1938.



The portrait is that of the applicant.

For Ointment Used in the Treatment of All Skin Diseases, Burns, Sunburn, Rheumatism, Throat Infection, Hay Fever, Catarrh, Sores, Bunions, Corns, Athlete's Foot, Ground Itch, Eczema, Ringworm, Carbuncles, Boils, All Forms of Skin Poisoning and Blood Poisoning, Skin Cancers, Chronic Sore Leg, Ingrowing Nails, Cuts, Impetigo, Heat, Stiff Tired Sore Joints, Irritations, Piles, Earache, Ear Eczema, Pneumonia, Influenza and Extreme Bad Colds, and for Treatment of Mange in Animals and Poultry.

Claims use since May 1, 1938.

Ser. No. 408,485. HERB JUICE-PENOL COMPANY, INC., Danville, Va. Filed July 11, 1938.



The drawing is lined for red and yellow. Applicant disclaims the words "Guaranteed" and "Sole Owners and Distributors" apart from the mark.

For Foot Preparation.

Claims use since June 23, 1938.

Ser. No. 409,383. BIECKER & STEIN, Philadelphia, Pa. Filed Aug. 9, 1938.



The portrait is fanciful.

For Hair Tonic, Toilet Water, Face and Toilet Creams, and Perfumes.

Claims use since Oct. 12, 1936.

Ser. No. 409,648. THE IHLE-BELHARDT COMPANY, Seattle, Wash. Filed Aug. 16, 1938.

GLUCA-SALICYLATE

No claim is made to the word "Salicylate" apart from the association shown.

For Pharmaceutical Preparation—Namely, an Analgesic Preparation.

Claims use since Mar. 9, 1938.

Ser. No. 410,839. CHARLES D. JORDAN, doing business as C. D. Jordan Laboratory, Monticello, Ga. Filed Sept. 21, 1938.

WURMSAL

For Vermifuge.

Claims use since Apr. 1, 1937.

Ser. No. 410,853. AMERICAN DAIRIES INCORPORATED, Kansas City, Mo. Filed Sept. 22, 1938.

CEROPHYL

For Dehydrated Cereal Grasses, Extracts of Cereal Grasses, and Juice of Cereal Grasses for Use in Cases Where Vitamins are Indicated.

Claims use since Aug. 10, 1937.

Ser. No. 411,557. TH. GOLDSCHMIDT A.-G., Essen-Ruhr, Germany. Filed Oct. 12, 1938.

„Tegolan"

For Toilet Creams and Toilet Lotions, and Artificial Oleaginous Materials Used as Ingredients of Toilet Creams and Toilet Lotions.

Claims use since Dec. 1, 1936.

Ser. No. 412,235. J. SAUL TEPPER, Baltimore, Md. Filed Oct. 31, 1938.



The words "Run for Safety First Aid" are disclaimed as shown.

For Antiseptic Medicated Aid in Relief of Burns, Cuts, Itches, Sores.

Claims use since Mar. 1, 1937.

Ser. No. 412,259. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Nov. 1, 1938.

TONALON

For Colloidal Preparations for Treating Textiles to Render Same Water-Repellent.

Claims use since September, 1938.

Ser. No. 412,538. D. FUNSTON COMPANY, doing business as Williams and Company, Chicago, Ill. Filed Nov. 9, 1938.

CERE-MUCIN

The word "Mucin" is disclaimed apart from the mark.

For Pharmacal Preparation for Use in the Treatment of Intestinal Irritations and Inflammation and Disturbances in the Digestive Tract.

Claims use since Sept. 14, 1937.

Ser. No. 412,754. CLAVIN, TUCKER & COMPANY, Chicago, Ill. Filed Nov. 15, 1938.

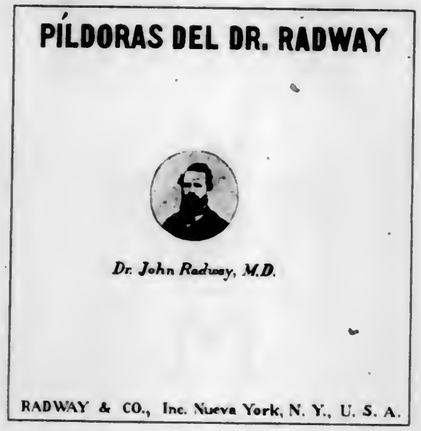


The words "Your Teeth Glow With" are disclaimed apart from the mark.

For Liquid Dentifrice.

Claims use since June, 1937.

Ser. No. 413,363. RADWAY & CO., INC., New York, N. Y. Filed Dec. 1, 1938.



All wording except "Dr. Radway", "Dr. John Radway", and applicant's name, is disclaimed apart from the mark. The portrait is that of Dr. John Radway, deceased.

For Preparation for the Treatment of Dyspepsia, Indigestion, Heartburn, Biliousness, Constipation, and Similar Ailments.

Claims use since Apr. 9, 1938.

Ser. No. 414,143. DIETETIC RESEARCH LABORATORIES, INC., Bloomfield, N. J. Filed Dec. 23, 1938.

HYPERVITAM

For Preparation of Vitamins and Minerals for Use in Cases Where High Potencies of Vitamins Intake is Indicated.

Claims use since Nov. 28, 1938.

Ser. No. 414,287. CLAIROL, INC., New York, N. Y. Filed Dec. 29, 1938.

METALEX

For Hair Dye Removers and Hair Color Removers.

Claims use since Oct. 12, 1937.

Ser. No. 414,383. CONTINENTAL CARBON COMPANY, New York, N. Y. Filed Dec 30, 1938.

CONTINENTAL

For Carbon Black Having a Variety of Uses in the Industrial Arts.

Claims use since March, 1937.

Ser. No. 414,402. HERCULES POWDER COMPANY, Wilmington, Del. Filed Dec. 31, 1938.

HERCULES

RESITEX



For Synthetic Textile Finishing Agent.

Claims use since Oct. 3, 1938.

Ser. No. 414,494. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Jan. 4, 1939.

GENERAL ELECTRIC

For Soldering Paste and for Soldering Flux in Stick Form.

Claims use since 1928 on soldering paste; since 1933 on soldering flux in stick form.

Ser. No. 414,502. NEWBRO MANUFACTURING COMPANY, Atlanta, Ga. Filed Jan. 4, 1939.

Susie Q

For Hair Dressing.

Claims use since Dec. 29, 1938.

Ser. No. 414,571. MAX A. LOVE, doing business as Goodrich & Love, New York, N. Y. Filed Jan. 6, 1939.

EFF-REMIN

For Effervescent Remineralizing Dentifrice.

Claims use since Dec. 1, 1937.

Ser. No. 414,822. DANA, S. A., Paris, France. Filed Jan. 14, 1939.

TOTEM

For Perfumes, Face Creams, Toilet Water, Rouges, Lipsticks, Dentifrices, Face Powder, Talcum Powder, and Brilliantine.

Claims use since December, 1936.

Ser. No. 414,841. SOCIETE ANONYME GRENOVILLE, Asnieres (Seine), France. Filed Jan. 14, 1939.

DANS UN JARDIN

For Perfumes, Toilet Waters, Lotion for the Face and Hands, Face Powder, Rouge, Brilliantine, Talcum Powder, Eau de Cologne, Sachet Powder, and Skin Cream.

Claims use since Oct. 31, 1933.

Ser. No. 414,842. SOCIETE ANONYME GRENOVILLE, Asnieres (Seine); France. Filed Jan. 14, 1939.

UN PIEGE

For Perfumes, Toilet Waters, Lotion for the Face and Hands, Face Powder, Rouge, Brilliantine, Talcum Powder, Eau de Cologne, Sachet Powder, and Skin Cream.

Claims use since Mar. 5, 1936.

Ser. No. 414,858. STANLEY C. BROWN, Ithaca, Mich. Filed Jan. 16, 1939.



Applicant disclaims the outline of the label per se and the words "Children's Dental Cream" apart from the mark.

For Toothpaste.

Claims use since Oct. 26, 1938.

Ser. No. 414,998. HUNTER-NORTHCOTT CHEMICAL LABORATORIES, Los Angeles and Hollywood, Calif. Filed Jan. 19, 1939.

CLIX

For Solvents for Use in Opening, Cleansing, and Deodorizing Drain Pipes.

Claims use since Mar. 1, 1934.

Ser. No. 415,129. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 23, 1939.

RS-1

No claim is made to the numeral "1" apart from the mark.
For Rabbit Antipneumococcic Serum, Type I.
Claims use since Dec. 1, 1938.

Ser. No. 415,130. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Jan. 23, 1939.

RS-2

No claim is made to the numeral "2" apart from the mark.
For Rabbit Antipneumococcic Serum, Type II.
Claims use since Dec. 1, 1938.

Ser. No. 415,159. MIKE DROSSINOS, Brooklyn, N. Y. Filed Jan. 24, 1939.

D

DROPS

The word "Drops" is disclaimed apart from the mark.
For Tonic for the Scalp.
Claims use since April, 1938.

Ser. No. 415,300. GEORGE A. MORTY COMPANY, Miami, Fla. Filed Jan. 27, 1939.

TICKMASTER

For Insecticides Used on Domestic Animals.
Claims use since Nov. 30, 1938.

Ser. No. 415,491. THE BENJAMIN ANSEHL COMPANY, St. Louis, Mo. Filed Feb. 2, 1939.

THE LIQUID STOCKING

For Skin Dressing.
Claims use since Jan. 26, 1939.

Ser. No. 415,556. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed Feb. 3, 1939.

MILL-O-CIDE

For Insecticides.
Claims use since Jan. 17, 1929.

CLASS 12

Construction Materials

Ser. No. 404,964. TILO ROOFING COMPANY, INC., Stratford, Conn. Filed Apr. 6, 1938.

TILO

For Roofing Materials—Namely, Asphalt Shingles and the Like, Roofing Paper, Weather-Proofing Material, Thermal Insulating Materials; and for Siding Materials—Namely, Siding Shingles of Asphalt and Asbestos and Cement Types; Plastics and Cements of the Semi-Plastic or Semi-Liquid or other Degree of Plasticity any of which May Be of an Asphalt or Asbestos Nature, and for Compounds for Use on Roofs or Sidings of Buildings or in Buildings.
Claims use since 1915.

Ser. No. 411,914. THERMAL PRODUCTS CORPORATION, Pittsburgh, Pa. Filed Oct. 21, 1938.

CARBOZITE

For Protective Coating Materials in the Form of Mastic or Plastic.
Claims use since 1932.

Ser. No. 414,265. LADD LIME & STONE CO., Cartersville, Ga. Filed Dec. 28, 1938.

Bondo

For Masonry Mortar.
Claims use since October, 1937.

Ser. No. 414,768. ARTIC ROOFINGS, INC., Edge Moor, Del. Filed Jan. 13, 1939.

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For Composition Shingles and Roll Roofing.
Claims use since Oct. 14, 1938.

Ser. No. 414,769. ARTIC ROOFINGS, INC., Edge Moor, Del. Filed Jan. 13, 1939.



For Composition Shingles and Roll Roofing.
Claims use since Oct. 14, 1938.

Ser. No. 414,829. J. W. MORTELL COMPANY, Kankakee, Ill. Filed Jan. 14, 1939.

INSULMAT

For Sound Deadening Plastic Compound.
Claims use since Mar. 12, 1932.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 412,952. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938.



For Pipe Fittings and Metal Pipes Comprising Right Angle Bends, T's, Crosses, Elbows, Unions, Union Nuts, Ferrules, Reducing Ferrules, Caps, Couplings, Coupling Adapters, Bushings, Nipples, Nuts, Valves, Pipe Clamps, Pipe Hangers, Vat Outlets, Pipe Strainers, Can Fillers, and Thermometer Holders.
Claims use since June, 1930.

CLASS 15

Oils and Greases

Ser. No. 413,757. HARVEY W. BEDFORD, doing business as Bedford & Sons, Los Angeles, Calif. Filed Dec. 12, 1938.

BOTOLENE

For Motor Oil in Bottles of Quart Sizes.
Claims use since Oct. 15, 1938.

Ser. No. 413,758. HARVEY W. BEDFORD, doing business as Bedford & Sons, Los Angeles, Calif. Filed Dec. 12, 1938.

BOTOLUBE

For Motor Oil in Bottles of Quart Sizes.
Claims use since Oct. 15, 1938.

Ser. No. 413,759. HARVEY W. BEDFORD, doing business as Bedford & Sons, Los Angeles, Calif. Filed Dec. 12, 1938.

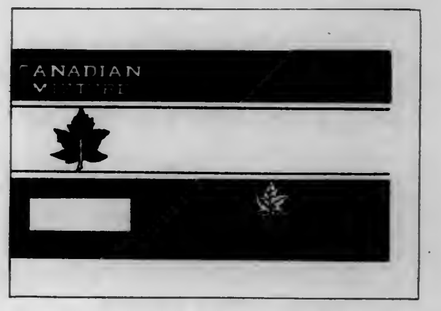
VISUALOIL

For Motor Oil in Bottles of Quart Sizes.
Claims use since Oct. 15, 1938.

CLASS 17

Tobacco Products

Ser. No. 413,284. STUYVESANT CIGAR COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 29, 1938.



Registration of the words "Canadian Mixture" is not claimed apart from the mark as shown, all common law rights being expressly retained. In the trade-mark the horizontal bars are blue on a cream background, and the leaves are blue and cream. No claim is made to the label per se.
For Smoking Tobacco.
Claims use since June 9, 1937.

Ser. No. 415,313. JOHN TORNEY, Elmhurst, N. Y. Filed Jan. 27, 1939.



The portrait is that of Patrick Henry.
For Cigars.
Claims use since Jan. 11, 1939.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 347,892. TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed Feb. 26, 1934.

TRICO-5 PLY

No claim is made to "5-Ply" apart from the mark.
For Windshield Wiper Blades of the Squeegee Type.
Claims use since Aug. 1, 1927.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 406,446. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 18, 1938.

AERO-LITE

The word "Lite" is disclaimed apart from the mark.
For Flashlights.
Claims use since Apr. 11, 1938.

Ser. No. 413,039. THE ELECTRIC RAILWAY IMPROVEMENT COMPANY, Cleveland, Ohio. Filed Nov. 22, 1938.

THERMEX

For Connectors and Bonds for Electrically Connecting Railway Rails.
Claims use since July 6, 1938.

Ser. No. 414,963. MU-SWITCH CORPORATION, Canton, Mass. Filed Jan. 18, 1939.

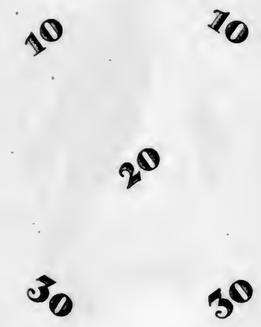
MU

For Switches for Use in Electrical Apparatus.
Claims use since Jan. 1, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 401,013. EDWARD J. BAKER, Stockton, Calif. Filed Dec. 18, 1937.



The facsimiles illustrate the trade-mark as applied to the back of playing cards.
For Playing Cards.
Claims use since Dec. 10, 1937.

Ser. No. 409,852. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn. Filed Aug. 22, 1938.



No claim is made to the representation of a play set apart from the mark.
For Play Sets Including Ball and Bat.
Claims use since May, 1938.

Ser. No. 413,745. OLIVER THOMAS, also doing business as Buzzo Sales Co., San Antonio, Tex. Filed Dec. 12, 1938.

BUZZO

For Game of Chance Consisting of an Electrically Operated Wheel and Indicating Playing Accessories.
Claims use since Jan. 1, 1938.

Ser. No. 413,826. SIMON GLICKMAN, doing business as Steppin Sam Company Co., Philadelphia, Pa. Filed Dec. 14, 1938.



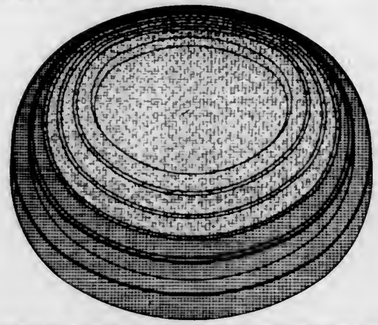
Applicant disclaims the representation of the goods apart from the mark.
For Wooden Figure Toys.
Claims use since December, 1937.

Ser. No. 415,112. ELM CYCLE & AUTO SUPPLY CO., Westfield, Mass. Filed Jan. 23, 1939.



The word "Fly" is disclaimed apart from the mark.
For Artificial Fishing Lures and Hooks.
Claims use since June, 1936.

Ser. No. 415,302. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Jan. 27, 1939.



Trade-mark consists of a yellow colored disk above a black rim or base, the yellow coloring being continuous over the top of the target. No claim is made to the representation of the goods.
For Frangible Targets Designed for Projection from Target Throwing Devices.
Claims use since Sept. 17, 1936.

Ser. No. 415,442. BURD MODEL AIRPLANE COMPANY, Baltimore, Md. Filed Jan. 31, 1939.



For Model Airplanes.
Claims use since Feb. 6, 1937.

Ser. No. 415,474. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 1, 1939.

Quanto

For Game To Be Played with Quoits.
Claims use since Nov. 21, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 407,324. OSCO MOTORS CORPORATION, Philadelphia, Pa. Filed June 10, 1938.



The drawing is lined for blue. The words "Standardized Marine Power" are disclaimed apart from the mark.
For Engines and Engine Parts.
Claims use since Jan. 29, 1936.

Ser. No. 414,839. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio. Filed Jan. 14, 1939.

VARCON

For Piston Pins, Piston Expanders, Engine Bearings, Engine Bearing Inserts, and Other Internal Combustion Engine Parts.
Claims use since Dec. 19, 1938.

Ser. No. 414,840. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio. Filed Jan. 14, 1939.

KADIUM

For Piston Pins, Piston Expanders, Engine Bearings, Engine Bearing Inserts, and Other Internal Combustion Engine Parts.
Claims use since Dec. 19, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 410,838. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Sept. 21, 1938.

Heat-Meter

For Thermostatically Controlled Electric Switches, Especially Adapted for Controlling Heat Generating Devices Such as Oil, Gas, and Solid Fuel Furnaces.
Claims use since Sept. 13, 1938.

Ser. No. 414,885. NEW ERA OPTICAL COMPANY, also doing business as Midland Optical Company, Chicago, Ill. Filed Jan. 16, 1939.

SHADEEZ

For Sun Glasses.
Claims use since Aug. 25, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 410,491. M. H. SHIMAN & CO. INC., New York, N. Y. Filed Sept. 8, 1938.



For Gold, Silver, and Platinum Jewelry, with and without Diamonds, Not Including Watches.
Claims use since January, 1918.

Ser. No. 410,575. THE HERMAN COHN LEATHER GOODS COMPANY, Baltimore, Md. Filed Sept. 13, 1938.

ASCOT

For Brushes and Brush Sets and Whisk Brooms and Hair Brushes Made of Precious Metals or Plated with the Same.
Claims use since Apr. 11, 1938.

Ser. No. 413,561. I. ROSKIN COMPANY, INC., New York, N. Y. Filed Dec. 7, 1938.



For Jewelry and Articles of Personal Adornment Except Watches.
Claims use since Nov. 17, 1938.

CLASS 31

Filters and Refrigerators

Ser. No. 414,906. THE CHARLES Q. SHERMAN CORPORATION, New York, N. Y. Filed Jan. 16, 1939.



The word "Displayor" is disclaimed apart from the mark.
For Refrigerated Cabinets.
Claims use since Sept. 29, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 414,735. HAMILTON MANUFACTURING COMPANY, Two Rivers, Wis. Filed Jan. 12, 1939.



The word "Chair" is disclaimed apart from the mark.
For Furniture—Namely, Juvenile Chairs.
Claims use since July 13, 1938.

Ser. No. 415,398. JORDAN MILLS, INC., Columbus, Ga. Filed Jan. 30, 1939.

JORDANE

For Furniture Slip Covers.
Claims use since Sept. 15, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 415,136. OLIVER TIRE & RUBBER COMPANY, Oakland, Calif. Filed Jan. 23, 1939.

Guild-Built

No claim is made to the word "Built" apart from the mark.
For Rubber Tires.
Claims use since Jan. 7, 1939.

CLASS 37

Paper and Stationery

Ser. No. 412,446. HARRY B. GASKELL, doing business as Automatic Bookkeeping Co., Long Beach, Calif. Filed Nov. 7, 1938.

THE AUTOMATIC BOOKKEEPER

For Information Pamphlets and Specially Ruled Sheets for Income Tax Data Required in the United States and Possessions.
Claims use since Apr. 8, 1937.

Ser. No. 415,067. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Jan. 20, 1939.

MARVLIN

For Toilet Tissue Paper.
Claims use since Dec. 29, 1938.

Ser. No. 415,068. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Jan. 20, 1939.

SHAMRAY

For Toilet Tissue Paper.
Claims use since Dec. 29, 1938.

Ser. No. 415,132. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Jan. 23, 1939.

TUX

For Paper Napkins.
Claims use since Jan. 4, 1939.

Ser. No. 415,157. CHESAPEAKE-CAMP CORPORATION, Franklin, Va. Filed Jan. 24, 1939.



The word "Kraft" is disclaimed apart from the mark.
For Kraft Paper.
Claims use since Jan. 10, 1939.

Ser. No. 415,209. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Jan. 25, 1939.

SHOUPERIOR

For Paper for Autographic Registers.
Claims use since January, 1909.

Ser. No. 415,240. BERMINGHAM & PROSSER CO., Chicago, Ill. Filed Jan. 26, 1939.

FIBERTONE

For Art Papers.
Claims use since June 22, 1938.

Ser. No. 415,259. RIEGEL PAPER CORPORATION, Riegelsville, N. J., and New York, N. Y. Filed Jan. 26, 1939.

OXTEX

For Wrapping Paper.
Claims use since Jan. 19, 1939.

CLASS 38

Prints and Publications

Ser. No. 410,505. HEARST MAGAZINES INC., New York, N. Y. Filed Sept. 13, 1938.



Applicant disclaims the word "Signs" apart from the mark.
For Printed Advertising Signs Sold in Combination with the Advertising Service of the Applicant.
Claims use since Aug. 20, 1938.

Ser. No. 413,928. CLARENCE S. BROWN & CO., INC., New York, N. Y. Filed Dec. 17, 1938.

BLEND-O-SCOPE

For Printed Color Comparing Transparent Sheets.
Claims use since Nov. 1, 1938.

Ser No. 414,485. CONCRETE PUBLISHING CORPORATION, Chicago, Ill. Filed Jan. 4, 1939.

CONCRETE INDUSTRIES

For Department of a Periodical.
Claims use since Sept. 1, 1938.

Ser. No. 414,497. INTERNATIONAL TOASTMISTRESS CLUBS, San Francisco, Calif. Filed Jan. 4, 1939.

TOASTMISTRESS

For Publication Containing News, Reviews, Information, and Educational Articles Published at Regular Intervals.
Claims use since Dec. 30, 1938.

Ser. No. 414,503. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed Jan. 4, 1939.

The New York Mother

Applicant disclaims the words "New York" apart from the mark.
For Column or Section in a Monthly Magazine.
Claims use since December, 1938.

Ser. No. 414,547. LORAN M. ROGERS, Webster City, Iowa. Filed Jan. 5, 1939.

THE CHIROPRACTIC JOURNAL

For Periodical Publication.
Claims use since Jan. 1, 1934.

Ser. No. 414,548. LORAN M. ROGERS, Webster City, Iowa. Filed Jan. 5, 1939.

The
NATIONAL CHIROPRACTIC
JOURNAL

For Periodical Publication.
Claims use since Dec. 5, 1938.

Ser. No. 414,594. THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Jan. 7, 1939.

GLAMOUR
OF HOLLYWOOD

No claim is made to the word "Hollywood" apart from the mark.
For Periodical Magazine.
Claims use since Dec. 30, 1938.

Ser. No. 414,667. IAN MININBERG, doing business as Keyboard Publishing Co., New Haven, Conn. Filed Jan. 10, 1939.

KEYBOARD

For Quarterly Publications Relating to the Teaching of Piano Playing.
Claims use since Dec. 24, 1938.

Ser. No. 414,759. THE TOPICS PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 12, 1939.

DRUG TRADE NEWS

For Fortnightly Publication Devoted to the Pharmaceutical, Drug, Merchandising, and Allied Fields.
Claims use since December, 1925.

Ser. No. 414,760. TRADE NEWSPAPERS CORPORATION, New York, N. Y. Filed Jan. 12, 1939.

Beverage Retailer Weekly

For Publication, at the Present Issued Weekly, as an Advertising and News Service for Merchants Dealing Particularly in Wines and Liquors.
Claims use since June 14, 1935.

Ser. No. 415,007. THE MILLER PUBLISHING CO., Minneapolis, Minn. Filed Jan. 19, 1939.

MILLING
PRODUCTION

For Monthly Publication.
Claims use since Jan. 11, 1939.

Ser. No. 415,055. ELEANOR MEDILL PATTERSON, doing business as Patterson Newspapers and/or Washington Herald-Times, Washington, D. C. Filed Jan. 20, 1939.

Rollin' Along

For News Column and Special Articles Appearing Daily or from Time to Time.
Claims use since Apr. 4, 1938.

Ser. No. 415,086. THE METHODIST BOOK CONCERN, Cincinnati, Ohio. Filed Jan. 21, 1939.

The
Adult Bible Class
Monthly

For Monthly Periodical.
Claims use since January, 1908.

Ser. No. 415,128. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Jan. 23, 1939.

PUSSYCAT PRINCESS

For Cartoon Series.
Claims use since Mar. 10, 1935.

CLASS 39

Clothing

Ser. No. 400,815. LOUIS I. WEITZMAN, doing business as Weitzman Shoe Company, Newark, N. J. Filed Dec. 13, 1937.

WIGGLE
TOES

For Boots and Shoes of Leather and Fabric, and Combinations Thereof.
Claims use since 1917.

Ser. No. 401,052. EPSTEIN UNDERWEAR CO., New York, N. Y. Filed Dec. 20, 1937.

Duré

For Women's and Misses' Slips, Nightgowns, Pajamas, Panties, Petticoats, Chemises, and Bandeaux.
Claims use since May 11, 1936.

Ser. No. 401,520. ANITRA INC., New York, N. Y. Filed Jan. 4, 1938.

Koala

For Ladies' Coats and Suits Made of Wool, Mohair, and Llama.
Claims use since Dec. 16, 1937.

Ser. No. 405,110. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed Apr. 11, 1938.

GOLDENGATE

For Suits, Dresses for Women and Misses; Coats, Sweaters, Bathing Suits, Jackets, and Beach Robes for Men, Women, and Children; Underwear and Hosiery for Men and Women; and Men's Swimming Trunks.
Claims use since October, 1900.

Ser. No. 409,805. CHEVETTE, INC., New York, N. Y. Filed Aug. 20, 1938.

SLIMSTER
STRAIGHT by chevette

The word "Straight" is disclaimed apart from the mark.
For Girdles, Foundation Garments, Brassières, Slips, and Panties.
Claims use since July 27, 1938.

Ser. No. 410,291. L. GRIEF & BRO., INC., Baltimore, Md. Filed Sept. 6, 1938.

Embassy
Row

For Topcoats, Overcoats, Coats, Vests, Trousers, and Knickerbockers for Men, Youths, and Boys.
Claims use since July 1, 1938.

Ser. No. 411,506. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., doing business as The M. O'Neil Co., Akron, Ohio; The May Co., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo.; and the Famous-Barr Co., St. Louis, Mo. Filed Oct. 11, 1938.

ROCK-WEAVE

The word "Weave" is disclaimed except as shown.
For Young Men's, Youths', and Boys' Clothing—Namely, Suits, Overcoats, Jackets, and Trousers.
Claims use since September, 1938.

Ser. No. 412,156. ROPER KNITTING COMPANY, INC., Canandaigua, N. Y. Filed Oct. 28, 1938.

Scotty Kote



The word "Kote" is disclaimed apart from the mark.
For Knitted Sweaters of Wool, Cotton, or Mixtures of Fibrous Materials.
Claims use since Sept. 26, 1932.

Ser. No. 412,377. IDEAL LINEN MESH COMPANY, Poughkeepsie, N. Y. Filed Nov. 4, 1938.

BEAURAY

For Wearing Apparel for Men, Women, and Children—Namely, Corsets, Corselettes, Girdles, Brassières, Underwear, Outer Shirts, and Shirtwaists.
Claims use since Oct. 28, 1938.

Ser. No. 412,464. SAKS & COMPANY, New York, N. Y. Filed Nov. 7, 1938.

Pañuelo

For Women's and Misses' Shoes Made of Fabric, Leather, and Combinations Thereof.
Claims use since Sept. 6, 1938.

Ser. No. 412,717. DAN PALTER, New York. N. Y. Filed Nov. 14, 1938.

DeLISO DEBS

For Boots, Shoes, and Slippers of Leather, Fabric, and/or Combinations Thereof.
Claims use since Oct. 21, 1938.

Ser. No. 412,719. DAN PALTER, New York, N. Y. Filed Nov. 14, 1938.

DeLISO YOUTHFULS

For Boots, Shoes, and Slippers of Leather, Fabric, and/or Combinations Thereof.
Claims use since Oct. 21, 1938.

Ser. No. 412,724. DAN PALTER, New York, N. Y. Filed Nov. 14, 1938.

PALTER DeLISO DEBS

Applicant disclaims the word "Palter" except as shown.
For Boots, Shoes, and Slippers of Leather, and/or Combinations Thereof.
Claims use since Oct. 21, 1938.

Ser. No. 413,350. LEOPOLD MORSE COMPANY, Boston, Mass. Filed Dec. 1, 1938.

kashmora

For Men's and Women's Topcoats.
Claims use since Nov. 9, 1934.

Ser. No. 413,351. LEOPOLD MORSE COMPANY, Boston, Mass. Filed Dec. 1, 1938.

MORSMORA

For Men's Overcoats.
Claims use since Feb. 18, 1935.

Ser. No. 413,472. CAMBRIDGE RUBBER COMPANY, Cambridge, Mass. Filed Dec. 5, 1938.

Vul-Cork

Applicant disclaims the word "Cork".
For Shoes Made of Leather, Rubber, or Fabric, or Combinations of Said Materials, Soles, and Heels.
Claims use since Aug. 31, 1938.

Ser. No. 413,475. FINEFORM BRASSIERE CO., INC., New York, N. Y. Filed Dec. 5, 1938.

Adola

For Brassières, Girdles, Corsets, Corselettes, Bandeaux, Underdrawers, Undershirts, Panties, Bloomers, Chemises, and Slips.
Claims use since Nov. 21, 1938.

Ser. No. 413,491. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Dec. 5, 1938.

Faba

For Men's, Women's, and Children's Shoes and Slippers of Leather, Rubber, and Fabric, and/or Combinations Thereof; Men's and Boys' Suits, Top Coats, Overcoats, Outer Shirts, Pajamas, Bath Robes, and Sweaters; Women's and Misses' Suits, Hats, Underwear, Hosiery, Bath Robes, and Sweaters; and Women's and Misses' Cloth Coats and Fur Coats.

Claims use on men's, women's, and children's shoes and slippers of leather, rubber, and fabric and/or combinations thereof since Aug. 1, 1937; upon men's and boys' suits, top coats, overcoats, outer shirts, pajamas, bath robes, and sweaters since Mar. 24, 1938; upon women's and misses' suits, hats, underwear, hosiery, bath robes, and sweaters since Mar. 28, 1938; and upon women's and misses' cloth coats and fur coats since Aug. 1, 1938.

Ser. No. 413,547. FOOTRUE SHOE COMPANY, Brooklyn, N. Y. Filed Dec. 7, 1938.

FOOTRUE SHOES

Applicant disclaims the word "Shoes" except as shown.
For Shoes and Overshoes Made of Leather, Rubber, or Fabric, or Any Combination Thereof.
Claims use since Aug. 1, 1938.

Ser. No. 413,607. TRIMOUNT CLOTHING CO. INC., Boston, Mass. Filed Dec. 8, 1938.

Town-Kool

The term "Kool" is disclaimed apart from the mark.
For Men's and Young Men's Overcoats, Topcoats, Suits, and Sport Suits.
Claims use since August, 1936.

Ser. No. 413,829. JENATH KNITWEAR, INC., Brooklyn, N. Y. Filed Dec. 14, 1938.

"Jenny-slip"

No claim is made to the word "Slip" apart from the mark.
For Ladies' Sweaters.
Claims use since Nov. 1, 1938.

Ser. No. 413,869. BEULAH HOLT, doing business as Beulah Holt Rainette Co., Kansas City, Mo. Filed Dec. 15, 1938.

Beulah Holt "Rainette"

The name on the drawing is a facsimile of applicant's signature.
For Oil Silk Rain Suit.
Claims use since Aug. 31, 1938.

Ser. No. 413,888. WOHL SHOE COMPANY, St. Louis, Mo. Filed Dec. 15, 1938.

ROGERS HALL

For Women's, Girls', and Children's Shoes of Leather, Fabric, and Combinations Thereof.
Claims use since Nov. 25, 1938.

Ser. No. 413,997. MURPHY, BRILL AND SAHNER INC., New York, N. Y. Filed Dec. 19, 1938.

FLITE TOP

No claim is made to the word "Top" apart from the mark.
For Hosiery.
Claims use since June 15, 1938.

Ser. No. 414,075. THE MANSBROOKE RAINWEAR CO., Needham Heights, Mass. Filed Dec. 21, 1938.

VERSTYLE

For Men's, Women's, Boys', and Girls' Coats, Raincoats, Overcoats, and Topcoats.
Claims use since July 1, 1938.

Ser. No. 414,164. SOUTHLAND MANUFACTURING COMPANY, INC., Wilmington, N. C. Filed Dec. 23, 1938.

Sir William

For Outer and Under Shirts, Pajamas, Men's and Boys' Underwear, and Men's and Boys' Polo Shirts, Sport Shirts, and Slacks.
Claims use since Nov. 1, 1938.

Ser. No. 414,201. FRED PERLBERG, INC., New York, N. Y. Filed Dec. 24, 1938.

JIM JAM JUNIOR FASHIONS

The words "Junior" and "Fashions" are disclaimed apart from the mark.
For Ladies' and Misses' Dresses.
Claims use since Aug. 23, 1938.

Ser. No. 414,254. BREGSTEIN-RICHMAN INC., New York, N. Y. Filed Dec. 28, 1938.

Copley

The mark consists of the word "Copley" written across the letters "BR" which are enclosed in a square.
For Women's and Misses' Slips Made of Silk, Satin, Rayon, and/or Combinations Thereof.
Claims use since July 17, 1936.

Ser. No. 414,332. DUBE & REINGOLD, INC., New York, N. Y. Filed Dec. 30, 1938.

THE TRAVELER

Wet Weather Companion

Applicant disclaims the words "Wet Weather" apart from the mark.
For Men's, Women's, and Children's Raincoats and Waterproof Suits.
Claims use since Jan. 1, 1938.

Ser. No. 414,342. ELASTIC TOE CORPORATION, New York, N. Y. Filed Dec. 30, 1938.

IN-TOE-LASTIC

The word "Toe" is disclaimed except as shown.
For Men's, Women's, and Children's Hosiery.
Claims use since Dec. 20, 1938.

Ser. No. 414,371. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Dec. 30, 1938.

STRIPE-TEX

Applicant disclaims the word "Stripe" apart from the mark.
For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since Oct. 1, 1938.

Ser. No. 414,540. TARSHES BROS., INC., New York, N. Y. Filed Jan. 5, 1939.

GABSLAX

For Pants, Trousers, and Slacks Made Exclusively for Officers in the Military Service.
Claims use since Nov. 1, 1938.

Ser. No. 414,541. TARSHES BROS., INC., New York, N. Y. Filed Jan. 5, 1939.

GABSHIRT

For Shirts Made Exclusively for Officers in the Military Service.
Claims use since Nov. 1, 1938.

Ser. No. 414,605. SANDERS & JUNGREIS, New York, N. Y. Filed Jan. 7, 1939.

Sleepy Suzy

For Pajamas.
Claims use since Mar. 5, 1938.

Ser. No. 414,685. CENTRAL KNITWEAR MILLS, INC., New York, N. Y. Filed Jan. 11, 1939.

Form-Divine

For Bathing Suits.
Claims use since Feb. 10, 1938.

Ser. No. 414,693. THE ENRO SHIRT CO., Louisville, Ky. Filed Jan. 11, 1939.

Lo-Ban

For Men's Negligee, Dress, and Sport Shirts, and Pajamas.
Claims use since Nov. 1, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 410,731. FRANK FUSCALDO, doing business as Ace Pin Products Co., Chicago, Ill. Filed Sept. 19, 1938.

Coiff

For Hair Pins, Non-Electrical Hair Curlers, Non-Precious Metal Hair Clips, and Hair Pin Clips Made of Spring Metal.
Claims use since Aug. 31, 1938.

Ser. No. 411,944. THE CROMWELL PAPER COMPANY, Chicago, Ill. Filed Oct. 22, 1938.

CROM TEX

The portrait is that of Oliver Cromwell, English general and statesman. The words "Quality Built In" are disclaimed apart from the mark.
For Fabric Ruching Intended for Use as Shelf Edging.
Claims use since Mar. 1, 1938.

Ser. No. 412,731. OSCAR R. PRICE, doing business as Varitex Company, New York, N. Y. Filed Nov. 14, 1938.

LITTLE QUEEN

For Steel and Brass Straight and Safety Pins and Snap Fasteners.
Claims use since Oct. 15, 1937.

Ser. No. 413,904. FREYDBERG BROS., INC., Stamford, Conn. Filed Dec. 16, 1938.

NANTEX

For Textile Bindings Intended for Use on Blankets.
Claims use since Sept. 23, 1938.

Ser. No. 414,045. RUSSEL FRASER WIRE COMPANY, New York, N. Y., now by change of name Fraser Manufacturing Co., Inc. Filed Dec. 20, 1938.



For Gimp.
Claims use since August, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 412,752. BOOTT MILLS, Lowell, Mass. Filed Nov. 15, 1938.

Sponge-Tex

For Towels.
Claims use since Nov. 8, 1938.

Ser. No. 412,880. SOCIETE ANONYME "LES TISSUS SORAY", Paris, France. Filed Nov. 17, 1938.

SORAY

For Silk, Rayon, Wool, and Cotton Piece Goods.
Claims use since July, 1938.

Ser. No. 413,931. DYERSBURG COTTON PRODUCTS, INC., Dyersburg, Tenn. Filed Dec. 17, 1938.

THE PEAK OF SATISFACTION
APEX
Dyersburg fabrics

The phrases "The Peak of Satisfaction" and "Dyersburg Fabrics" are disclaimed apart from the mark.
For Knitted Cloth Piece Goods of Rayon, Cotton, Silk, and Synthetic Fibers.
Claims use since July, 1915.

Ser. No. 414,250. ALEXANDER WOOLEN COMPANY, Chicago, Ill. Filed Dec. 28, 1938.

Crown Champion Fabrics

Applicant disclaims the word "Fabrics".
For Woolen Piece Goods.
Claims use since Apr. 1, 1938.

Ser. No. 414,659. HERENDEEN-AVERY, INC., Miami, Fla. Filed Jan. 10, 1939.

Sinwef

For Piece Goods of Cotton, Linen, Crash, and Combinations Thereof.
Claims use since May 1, 1938.

Ser. No. 414,746. LINKER & HERBERT, INC., New York, N. Y. Filed Jan. 12, 1939.

KRINKLEWOOD

For Woolen and Wool Mixture Fabrics in the Piece.
Claims use since Nov. 15, 1938.

CLASS 43

Thread and Yarn

Ser. No. 403,323. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Feb. 23, 1938.



"Triple Tested" is disclaimed apart from the mark.
For Thread and Yarn of Artificial Origin.
Claims use since Nov. 24, 1937.

Ser. No. 409,574. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Aug. 13, 1938.



The word "Yarn" is disclaimed apart from the mark.
For Yarn in Continuous and Staple Lengths.
Claims use since May 18, 1938.

Ser. No. 411,131. MT. VERNON-WOODBERRY MILLS, INC., Baltimore, Md. Filed Sept. 30, 1938.



For Crochet Cotton, Sewing Cotton, Cotton Yarn, Knitting Yarn, Yarns (Except Rope), and Cotton Weaving Yarns.
Claims use since Jan. 15, 1937.

Ser. No. 414,441. SAM FLOMENHAFT, New York, N. Y. Filed Jan. 3, 1939.



For French Angora and Other Yarns.
Claims use since Sept. 1, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 414,964. LAWRENCE J. PERROTTA, doing business as Per-Zadi Products Company, New York, N. Y. Filed Jan. 18, 1939.



The trade-mark consists of the arbitrarily selected words "Gold Chest" which appear in the upper part of a rectangular enclosure. A picture of a gold chest appears below the said words. The word "Prophylactics" appears upon the front of the pictured chest. The word "Prophylactics" is hereby disclaimed apart from the mark as shown on the drawing. The lettering of the words is black; a gold seal and ribbon is shown in the lower left hand corner of the enclosure. The background of the lettering is gold in color.

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Dec. 16, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 415,116. GENERAL BEVERAGE CORP., Springfield, Mass. Filed Jan. 23, 1939.



For Orange Beverages and Syrups for the Same.
Claims use since Jan. 17, 1939.

Ser. No. 415,203. THE SQUIRT COMPANY, Glendale, Ariz., and Milwaukee, Wis. Filed Jan. 24, 1939.



For Nonalcoholic Grapefruit Drink and Bases and Syrups and Extracts for Making Same.
Claims use since Oct. 17, 1937.

CLASS 46

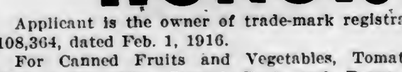
Foods and Ingredients of Foods

Ser. No. 389,695. PURE MILK CHEESE CO., Elgin, Ill. Filed Mar. 5, 1937.



The word "Rich" is disclaimed apart from the mark.
For Cheese.
Claims use since Dec. 7, 1936.

Ser. No. 400,103. HONORCO, INC., Chicago, Ill. Filed Nov. 24, 1937.



Applicant is the owner of trade-mark registration No. 108,364, dated Feb. 1, 1916.
For Canned Fruits and Vegetables, Tomato Juice, Canned Pumpkin, Canned Pork and Beans, Canned Shrimp and Canned Oysters, Coffee, Mayonnaise, Marshmallows, Canned Pimientos, Canned Fruit Juices for Food Purposes, Gelatin Dessert.
Claims use since May, 1906.

Ser. No. 404,332. TEMPLE STEPHENS CO., Moberly, Mo. Filed Mar. 21, 1938.



For Baking Powder.
Claims use since Jan. 26, 1938.

Ser. No. 407,128. CALL RANCH, doing business as A. F. Call Estate, Corona, Calif. Filed June 6, 1938.



No claim is made to the word "Corona" apart from the mark.
For Fresh Citrus Fruit.
Claims use since 1932.

Ser. No. 408,602. THE J. I. GATES MILLING COMPANY, Columbus, Ohio. Filed July 18, 1938.



The portrait is fanciful.
For Feed Concentrate for Stock.
Claims use since Apr. 30, 1938.

Ser. No. 109,048. MARIANA GROVE PACKERS, INC., Fort Myers, Fla. Filed July 29, 1938.



No claim is made to the word "Grovripe" apart from the mark.
For Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit, and Tangerines.
Claims use since July 19, 1938.

Ser. No. 410,094. SCHUCKL & Co., INC., San Francisco, Calif. Filed Aug. 29, 1938.

Regular

For Canned Fruits.
Claims use since Sept. 17, 1935.

Ser. No. 411,513. WILLIAM UNDERWOOD COMPANY, Watertown, Mass. Filed Oct. 11, 1938.

UNDERWOOD

For Canned Deviled Ham, Frankfurts, Sausages, Clams, Clam Chowder, Fish Chowder, Quahaug Chowder, Bean Soup, Puree Mongole, Consomme Madrilene, Codfish-Cake Material, Sardines, Steamed Pudding, Deviled Ham in Glass Jars, Clam Juice in Bottles.
Claims use since June 1, 1937.

Ser. No. 411,565. MARY ORR BARBER, Everett, Ohio. Filed Oct. 13, 1938.

APPLEBROOK FARM

For Sausage, Ham, Lard, Bacon, Eggs, Butter and Cheese, Apples, Pears, Peaches, Grapes, Vinegar, and Potatoes.
Claims use since Sept. 1, 1931.

Ser. No. 412,583. BIO-DYNAMIC FARMING & GARDENING ASSOCIATION, INC., Spring Valley, N. Y. Filed Nov. 10, 1938.

Demeter

For Fresh Fruits as Follows, Apples, Pears, Peaches, Plums, Grapes, Oranges, Grapefruit, Tangerines, Black Raspberries, Red Raspberries, Blackberries, Loganberries, Dewberries, Currants, Gooseberries, and Strawberries; Vegetables and Honey; Wheat, Rye, Barley, Oats, Corn, Buckwheat, and Spelt; Whole Wheat Flour, White Flour from Wheat, Rye Flour, Corn Meal, and Buckwheat Flour; and Whole Wheat Bread, White Bread from White Flour, and Rye Bread; and Canned and Preserved Fruits, Vegetables, and Honey.
Claims use since June 23, 1938.

Ser. No. 412,916. OELERICH & BERRY CO., Chicago, Ill. Filed Nov. 18, 1938.



The representation of a boy is fanciful. The drawing is lined for red and yellow.
For Molasses.
Claims use since Jan. 9, 1937.

Ser. No. 413,527. GREAT STAR COFFEE CORPORATION, New York, N. Y. Filed Dec. 5, 1938.



For Coffee, Chocolate, and Cocoa.
Claims use since Nov. 1, 1938.

Ser. No. 413,653. A. STRASBERG, doing business as Mother Asther's Own Farm, East Stroudsburg, Pa. Filed Dec. 9, 1938.



The portrait is that of Mrs. E. Strasberg. The outline of the label is disclaimed.
For Tomato Juice.
Claims use since Oct. 1, 1938.

Ser. No. 413,739. ALEX ROSENTHAL, doing business as Atlantic Food Packing Co., Trenton, N. J. Filed Dec. 12, 1938.



The word "Crisp" is disclaimed apart from the mark.
For Shoe String Potatoes.
Claims use since 1937.

Ser. No. 413,892. THE BORDEN COMPANY, New York, N. Y. Filed Dec. 16, 1938.

OVENTIDE

For Cheese Flavoring for Baked Goods.
Claims use since Nov. 12, 1938.

Ser. No. 414,432. F. E. BOOTH COMPANY, INC., San Francisco, Calif. Filed Jan. 3, 1939.



For Canned Food Products—Namely, Salmon, Sardines, Tuna Fish, Shad Roe, and Vegetable Juices for Food Purposes.
Claims use since June, 1936.

Ser. No. 414,443. GENERAL MILLS, INC., Minneapolis, Minn. Filed Jan. 3, 1939.



For Flour, Particularly Wheat Flour.
Claims use since June, 1936.

Ser. No. 414,803. SCHUCKL & Co., INC., San Francisco, Calif. Filed Jan. 13, 1939.

Souptime

For Canned Soups.
Claims use since Dec. 21, 1938.

Ser. No. 414,825. GROWERS RICE MILLING CO., San Francisco, Calif. Filed Jan. 14, 1939.



The Chinese characters appearing above the diamond-shaped design mean "Red Diamond", and the characters appearing on each side of the design mean "Good #1 Chinese Seed Rice," which latter term is disclaimed apart from its association with the other features of the mark. The lining on the drawing is intended to denote the color red.
For Rice.
Claims use since Oct. 3, 1938.

Ser. No. 414,828. MERIT FOOD CO., INC., Hackensack, N. J. Filed Jan. 14, 1939.

"LEMONAISE"

For Salad Dressing, Particularly Mayonnaise Dressing.
Claims use since August, 1938.

Ser. No. 415,000. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Filed Jan. 19, 1939.

ker-Ba

For Vegetable Oil Shortening.
Claims use since Dec. 15, 1938.

Ser. No. 415,177. MILLER & HOLLIS, INC., Boston, Mass. Filed Jan. 24, 1939.

Pine Brook

For Chocolates.
Claims use since October, 1937.

Ser. No. 415,178. MILLER & HOLLIS, INC., Boston, Mass. Filed Jan. 24, 1939.

POLKA DOT

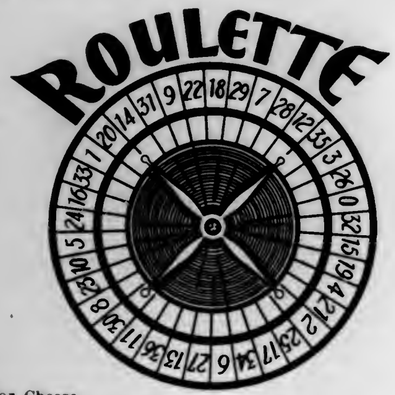
For Chocolates.
Claims use since December, 1938.

Ser. No. 415,179. MILLER & HOLLIS, INC., Boston, Mass. Filed Jan. 24, 1939.

RED DRAGON

For Chocolates.
Claims use since January, 1933.

Ser. No. 415,258. RHEINGOLD CHEESE COMPANY, Chicago, Ill. Filed Jan. 26, 1939.



For Cheese.
Claims use since Dec. 19, 1938.

CLASS 47

Wines

Ser. No. 410,464. FRUIT INDUSTRIES, LTD., San Francisco, Calif., and New York, N. Y. Filed Sept. 12, 1938.



The facsimile signature is in the handwriting of A. R. Morrow, vice president of applicant.
For Wines.
Claims use since Sept. 6, 1938.

Ser. No. 413,700. BISCEOLIA BROTHERS CORP., Philadelphia, Pa. Filed Dec. 12, 1938.

MARGO

For Wines.
Claims use since Mar. 18, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 406,102. PITTSTON BREWING CORPORATION, Pittston, Pa. Filed May 7, 1938.



The surname "Glennon's" and the word "Ale" are disclaimed apart from the mark.
For Ale.
Claims use since Feb. 21, 1938.

Ser. No. 412,968. GREENWAY BREWERY CO., INC., Syracuse, N. Y. Filed Nov. 19, 1938.

SPARKLING MALTONE

No claim is made to the word "Sparkling" apart from the mark.
For Beverages Fermented from Malt Hops, Sugar, and Added Organic Substances.
Claims use since Oct. 29, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 414,183. DISTILLERIE DE LA SUZE (SOCIÉTÉ ANONYME), Maisons-Alfort, France. Filed Dec. 24, 1938.



No claim apart from the mark is made to any of the words or numerals except "Suze" and "Distillerie de la Suze."
For Alcoholic Liqueurs.
Claims use since July, 1936.

Ser. No. 415,105. ABRAM SMITH BOWMAN, doing business as A. Smith Bowman Distillery, Sunset Hills, Va. Filed Jan. 23, 1939.

Fx

For Whiskey.
Claims use since Jan. 10, 1939.

Ser. No. 415,390. HERCULES LIQUOR PRODUCTS CORP., Brooklyn, N. Y. Filed Jan. 30, 1939.



The word "Jamaica" is disclaimed apart from the mark.
For Rum.
Claims use since Sept. 15, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 14, 1939

365,521. WOMEN'S AND GIRLS' HATS. THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio.
Filed June 13, 1936. Serial No. 379,685. PUBLISHED DECEMBER 6, 1938. Class 39.

365,522. CHILDREN'S UNDERWEAR. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 22, 1936. Serial No. 380,079. PUBLISHED DECEMBER 20, 1938. Class 39.

365,523. TRAILERS. PIERCE-ARROW MOTOR CORPORATION, Buffalo, N. Y.
Filed September 21, 1936. Serial No. 383,480. PUBLISHED DECEMBER 22, 1936. Class 19.

365,524. CHOCOLATE, CANDIES, CANDY BARS, NUTS, CHEWING GUM, AND ICE CREAM. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed April 9, 1937. Serial No. 391,105. PUBLISHED JANUARY 3, 1939. Class 46.

365,525. CHOCOLATE, CANDIES, NUTS, CHEWING GUM, AND ICE CREAM. AUTOMATIC CANTEEN COMPANY OF AMERICA, Chicago, Ill.
Filed April 9, 1937. Serial No. 391,109. PUBLISHED JANUARY 3, 1939. Class 46.

365,526. SHEET TIN. THE EASTERN ROLLING MILL COMPANY, Baltimore, Md.
Filed April 30, 1937. Serial No. 392,092. PUBLISHED JANUARY 3, 1939. Class 14.

365,527. PERIODICAL PUBLICATION. LAKE SHORE MARKETING AND MERCHANDISING CO., INC., Chicago, Ill., assignor to Paul M. Cooter, doing business as Cooter Brokerage Company, Chicago, Ill.
Filed May 3, 1937. Serial No. 392,216. PUBLISHED DECEMBER 13, 1938. Class 38.

365,528. WHISKEY. MARYLAND DISTILLERY, INC., Relay, Md., assignor to The Calvert Distilling Co., Relay, Md., a corporation of Maryland.
Filed May 12, 1937. Serial No. 392,647. PUBLISHED AUGUST 3, 1937. Class 49.

365,529. WOMEN'S AND CHILDREN'S UNDERWEAR, PAJAMAS, PANTIES, BLOOMERS, VESTS, AND SLIPS. S. BLECHMAN & SONS, INC., New York, N. Y.
Filed May 22, 1937. Serial No. 393,109. PUBLISHED JULY 20, 1937. Class 39.

365,530. MISSES' AND JUNIOR MISSES' UNDERWEAR, PAJAMAS, PANTIES, BLOOMERS, UNDERVESTS, AND SLIPS. S. BLECHMAN & SONS, INC., New York, N. Y.
Filed May 22, 1937. Serial No. 393,110. PUBLISHED AUGUST 3, 1937. Class 39.

365,531. REFRIGERATING APPARATUS FOR THE PREPARATION OF FROZEN CUSTARD AND LIKE FROZEN CONFECTIONS. PORT MORRIS MACHINE & TOOL WORKS, New York, N. Y.
Filed June 15, 1937. Serial No. 394,097. PUBLISHED JANUARY 3, 1939. Class 31.

365,532. ICE CREAM BAR COATING, SHERBET STABILIZER, FOOD FLAVORING EXTRACTS, BAKING POWDER, CAKE FILLERS, CAKE TOPPINGS, CANNED FRUITS, JELLIES, JAMS. S. W. NOGGLE, doing business as The S. W. Noggle Company, Kansas City, Mo.
Filed August 9, 1937. Serial No. 396,199. PUBLISHED JANUARY 3, 1939. Class 46.

365,533. OVERALLS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed October 2, 1937. Serial No. 398,064. PUBLISHED DECEMBER 27, 1938. Class 39.

365,534. LUBRICATING OIL FOR DEGUMMING, DECARBONIZING, AND PREVENTION OF FORMATION OF SLUDGE IN THE INTERIOR WORKING PARTS OF INTERNAL COMBUSTION ENGINES. PERMATEX COMPANY, INC., Brooklyn, N. Y.
Filed October 5, 1937. Serial No. 398,170. PUBLISHED AUGUST 16, 1938. Class 15.

365,535. BUILDING CEMENT. H. H. ROBERTSON COMPANY, Pittsburgh, Pa.
Filed October 14, 1937. Serial No. 398,491. PUBLISHED DECEMBER 27, 1938. Class 12.

365,536. LADIES' AND MISSES' DRESSES, FROCKS, AND HOUSE COATS. ISIDOR SCHWARTZ, doing business as Ladie Lassie Frock Co., New York, N. Y.
Filed October 19, 1937. Serial No. 398,689. PUBLISHED DECEMBER 27, 1938. Class 39.

365,537. THERMAL INSULATING MATERIAL. OLIVER FREDRICK MOTTWEILER, Alexandria, Ind.
Filed October 29, 1937. Serial No. 399,104. PUBLISHED NOVEMBER 22, 1938. Class 12.

365,538. NEWS BULLETIN PUBLISHED DAILY, A WEEKLY PUBLICATION, AND A MONTHLY PERIODICAL. SOCIÉTÉ ANONYME, Svp, Paris, France.
Filed November 1, 1937. Serial No. 399,207. PUBLISHED DECEMBER 27, 1938. Class 38.

365,539. JEWELRY FOR PERSONAL USE AND ADORNMENT, NOT INCLUDING WATCHES—NAMELY, WATCH-CHAINS, WATCH-GUARDS, NECK CHAINS, KEY-CHAINS, ETC. A AND Z CHAIN COMPANY, Providence, R. I.
Filed November 6, 1937. Serial No. 399,391. PUBLISHED JANUARY 3, 1938. Class 28.

365,540. LADIES' AND MISSES' BLOUSES AND SHIRTS. LIVINGSTON & LIEBERMAN, New York, N. Y.
Filed November 19, 1937. Serial No. 399,933. PUBLISHED JANUARY 3, 1939. Class 39.

365,541. WOMEN'S AND MISSES' COATS, SUITS, AND DRESSES. KOLBERT LIEBERMAN, INC., New York, N. Y.
Filed December 3, 1937. Serial No. 400,419. PUBLISHED DECEMBER 27, 1938. Class 39.

365,542. STAMPS OF THE NATURE TO BE FIXED IN ALBUMS. GEORGE W. MCDONALD, doing business as National Benevolent Company, Tulsa, Okla.
Filed December 17, 1937. Serial No. 400,981. PUBLISHED JULY 26, 1938. Class 38.

365,543. WOMEN'S AND MISSES' DRESSES. STYLE TRADES, INC., New York, N. Y.
Filed February 1, 1938. Serial No. 402,579. PUBLISHED DECEMBER 20, 1938. Class 39.

365,544. SO-CALLED SWEDISH HARD RYE BREAD AND DELICATESSEN BREAD. AKTIEBOLAGET NYA SPIS- & KNACKEBRODSFABRIKEN OSKARSHAMN, Oskarshamn, Sweden.
Filed February 5, 1938. Serial No. 402,704. PUBLISHED JANUARY 3, 1939. Class 46.

365,545. PREPARED VEGETABLE MACERATES OF PARSLEY, CARROT, SPINACH, CELERY, GARLIC, ONION, BEET, AND TOMATO IN LIQUID AND POWDER FORM. IRVIN LAMBERT, doing business as Lambert Natural Health Foods, New York, N. Y.
Filed February 7, 1938. Serial No. 402,780. PUBLISHED JANUARY 3, 1939. Class 46.

365,546. GASOLINE. WILLIAM JOHN ZINK, Downey, Calif.
Filed February 7, 1938. Serial No. 402,836. PUBLISHED JANUARY 3, 1939. Class 15.

365,547. MEN'S SOFT FELT HATS. ROSS WALD, INC., New York, N. Y.
Filed February 11, 1938. Serial No. 402,960. PUBLISHED JUNE 7, 1938. Class 39.

365,548. CERAMIC BOWLS. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif.
Filed February 18, 1938. Serial No. 403,160. PUBLISHED DECEMBER 27, 1938. Class 30.

365,549. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 26, 1938. Serial No. 403,486. PUBLISHED JANUARY 3, 1939. Class 21.

365,550. TRANSPARENT WRAPPERS. SHELLMAR PRODUCTS COMPANY, Chicago, Ill.
Filed March 7, 1938. Serial No. 403,885. PUBLISHED JANUARY 3, 1939. Class 37.

365,551. MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS, PAJAMAS, NIGHTSHIRTS, AND UNDERWEAR. STEINER-LIBERTY CORPORATION, Baltimore, Md.
Filed March 11, 1938. Serial No. 403,970. PUBLISHED DECEMBER 27, 1938. Class 39.

365,552. HEAT RESISTING GLASSWARE—NAMELY, GLASS COFFEE MAKER PARTS. CORNING GLASS WORKS, Corning, N. Y.
Filed March 14, 1938. Serial No. 404,031. PUBLISHED JANUARY 3, 1939. Class 33.

365,553. GLASS TABLEWARE. CORNING GLASS WORKS, Corning, N. Y.
Filed March 14, 1938. Serial No. 404,032. PUBLISHED JANUARY 3, 1939. Class 33.

365,554. CHROMIUM POLISH, STOVE POLISH (LIQUID AND WAX), GLASS CLEANING SOLUTIONS OR CLEANERS, REFLECTOR POLISH, SILVER POLISH, AND AUTO BODY CLEANERS (LIQUID AND PASTE). INTERNATIONAL METAL POLISH CO., INC., Indianapolis, Ind.
Filed April 1, 1938. Serial No. 404,762. PUBLISHED JANUARY 3, 1939. Class 4.

365,555. MEN'S AND BOYS' UNDERWEAR; DRESS, NEGLIGEE, AND WORK SHIRTS, AND PAJAMAS. SAM'S CUT RATE, INC., Detroit, Mich.
Filed April 5, 1938. Serial No. 404,908. PUBLISHED DECEMBER 20, 1938. Class 39.

365,556. NON-ALCOHOLIC CARBONATED BEVERAGE. CANADA DRY GINGER ALE, INC., New York, N. Y.
Filed April 6, 1938. Serial No. 404,933. PUBLISHED NOVEMBER 29, 1938. Class 45.

365,557. FLY RIBBONS. GRAEF-COWEN CORPORATION, Allentown, Pa.
Filed April 11, 1938. Serial No. 405,116. PUBLISHED JANUARY 3, 1939. Class 50.

365,558. ILLUSTRATED MAGAZINE ISSUED ANNUALLY. BELNAP AND THOMPSON, INC., Chicago, Ill.
Filed April 25, 1938. Serial No. 405,683. PUBLISHED JANUARY 3, 1939. Class 38.

365,559. WRITING PAPER AND ENVELOPES. BELNAP AND THOMPSON, INC., Chicago, Ill.
Filed April 25, 1938. Serial No. 405,684. PUBLISHED JANUARY 3, 1939. Class 37.

365,560. HOSIERY. BORIS CARSON, Philadelphia, Pa.
Filed April 25, 1938. Serial No. 405,688. PUBLISHED JANUARY 3, 1939. Class 39.

365,561. SKATES AND ROLLER SKATES. HUGO DORNSEIF, Radevormwald, near Remscheid, Germany.
Filed May 11, 1938. Serial No. 406,214. PUBLISHED JANUARY 3, 1939. Class 22.

365,562. INDICATING CONTROLLERS, RECORDING CONTROLLERS, AND CHARTS AND ACCESSORIES THEREFOR FOR CONTROLLING PRESSURE OF PRESS, SQUEEZE, CALENDAR, AND TENSION ROLLS. MASON-NEILAN REGULATOR COMPANY, Boston, Mass.
Filed May 19, 1938. Serial No. 406,520. PUBLISHED JANUARY 3, 1939. Class 26.

365,563. ASBESTOS-CEMENT BOARDS, ASBESTOS-CEMENT SHEETS, ASBESTOS-CEMENT LUMBER, TILES MADE FROM ASBESTOS-CEMENT, ASBESTOS-CEMENT ROOFING MATERIALS AND COMPOSITION OF ASBESTOS-CEMENT BUILDING MATERIALS IN FLAT, CORRUGATED AND SHEET FORM. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed May 20, 1938. Serial No. 406,554. PUBLISHED JANUARY 3, 1939. Class 12.

365,564. MISSES', AND WOMEN'S SPORT CLOTHES—NAMELY, SHIRTS, JACKETS, CAPS, DRESSES, SCARFS, BELTS FOR OUTER WEAR AND GARTER BELTS, GIRDLES, PANTS, TIGHTS, STOCKINGS, SLIPS, BLOOMERS, BRASSIÈRES, LEATHER AND FABRIC GAUNTLETS AND GLOVES. DOROTHEA SANDERS HAY, New York, N. Y.
Filed May 21, 1938. Serial No. 406,586. PUBLISHED DECEMBER 20, 1938. Class 39.

365,565. FAUCETS AND VALVES FOR DISPENSING BEVERAGES. ECONOMY FAUCET CO., Newark, N. J.
Filed May 23, 1938. Serial No. 406,637. PUBLISHED DECEMBER 27, 1938. Class 13.

365,566. HOSIERY. I. & R. MORLEY, LTD., London, England.
Filed June 1, 1938. Serial No. 406,984. PUBLISHED DECEMBER 27, 1938. Class 39.

365,567. MECHANICAL SIGNALS ADAPTED TO BE MOUNTED IN SUITABLE POSITIONS ON VEHICLES, BY MEANS OF WHICH THE DRIVERS OR OPERATORS OF THE VEHICLES MAY INDICATE CERTAIN SIGNALS, SUCH AS RIGHT AND LEFT TURN SIGNALS AND CAUTION AND STOP SIGNALS, AND PARTS FOR SAID SIGNAL DEVICES. DESAULNIERS BROTHERS, Vancouver, British Columbia, Canada.
Filed June 6, 1938. Serial No. 407,171. PUBLISHED JANUARY 3, 1939. Class 23.

365,568. WOMEN'S AND MISSES' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. MEYER MARGOLIN, Elgin, Ill.
Filed June 7, 1938. Serial No. 407,191. PUBLISHED NOVEMBER 22, 1938. Class 39.

365,569. GENERAL CLEANING COMPOUND FOR HOUSEHOLD AND LAUNDRY USE, HAVING INCIDENTAL WATER SOFTENING PROPERTIES. RUDOLPH F. WILLEY, doing business as RoC Chemical Concern and Electrene Products Company, Council Bluffs, Iowa.
Filed June 13, 1938. Serial No. 407,452. PUBLISHED JANUARY 3, 1939. Class 4.

365,570. WINES. BOUCHARD AINÉ & FILS, Beaune, France.
Filed June 16, 1938. Serial No. 407,521. PUBLISHED SEPTEMBER 27, 1938. Class 47.

365,571. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. THE WILKEN FAMILY, INCORPORATED, New York, N. Y., Lawrenceburg, Ind., and Aladdin, Pa.
Filed June 16, 1938. Serial No. 407,574. PUBLISHED JANUARY 3, 1939. Class 49.

365,572. WHISKEY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS. THE WILKEN FAMILY, INCORPORATED, New York, N. Y., Lawrenceburg, Ind., and Aladdin, Pa.
Filed June 16, 1938. Serial No. 407,575. PUBLISHED JANUARY 3, 1939. Class 49.

365,573. CAKES, MACAROONS, DOUGHNUTS, AND COOKIES. DRAKE BAKERIES INCORPORATED, Brooklyn, N. Y.
Filed June 23, 1938. Serial No. 407,794. PUBLISHED JANUARY 3, 1939. Class 46.

365,574. VEGETABLE AND SALAD OILS, INCLUDING SUNFLOWER OIL, COTTON SEED OIL, AND PEANUT OIL, SAID OILS TO BE USED AS FOOD PRODUCTS. DYBER OIL CO., New York, N. Y.
Filed June 25, 1938. Serial No. 407,931. PUBLISHED JANUARY 3, 1939. Class 46.

365,575. HYBRID SEED CORN. EDWARD J. FUNK & SONS, Kentland, Ind.
Filed July 1, 1938. Serial No. 408,098. PUBLISHED JANUARY 3, 1939. Class 1.

365,576. SPORT SHIRTS, SPORT COATS, SPORT JACKETS, SPORT BUSHCOATS, SPORT BEER JACKETS, AND SPORT SLACKS FOR MEN AND BOYS. BRAUER-GRESSMAN COMPANY, Kansas City, Mo.
Filed July 2, 1938. Serial No. 408,153. PUBLISHED SEPTEMBER 27, 1938. Class 39.

365,577. WOMEN'S AND MISSES' DRESSES, COATS, AND SUITS. SPILKER, DORFMONT & KRAVITZ, St. Louis, Mo.
Filed July 2, 1938. Serial No. 408,172. PUBLISHED DECEMBER 20, 1938. Class 39.

365,578. CANNED AND BAGGED POPPED CORN. RUSSELL B. HILLS, doing business as Michigan Pop Corn Company, Grand Rapids, Mich.
Filed July 14, 1938. Serial No. 408,501. PUBLISHED OCTOBER 25, 1938. Class 46.

365,579. MEN'S BELTS, SUSPENDERS, AND MEN'S GARTERS. BENJAMIN D. MOSESSON, New York, N. Y.
Filed July 20, 1938. Serial No. 408,726. PUBLISHED DECEMBER 27, 1938. Class 39.

365,580. LADIES' UNDERWEAR. LOOM-TEX CORPORATION, New York, N. Y.
Filed July 22, 1938. Serial No. 408,805. PUBLISHED SEPTEMBER 27, 1938. Class 39.

365,581. COMBS AND HOLDERS THEREFOR. S & K SALES CO., San Francisco, Calif.
Filed July 26, 1938. Serial No. 408,932. PUBLISHED NOVEMBER 29, 1938. Class 40.

365,582. SALAD AND COOKING OILS. ANTONIO ACCARDI, doing business as A. Accardi & Co., Boston, Mass.
Filed August 5, 1938. Serial No. 409,251. PUBLISHED DECEMBER 27, 1938. Class 46.

365,583. PASSENGER AND COMMERCIAL AUTOMOBILES. FORD MOTOR COMPANY, Dearborn, Mich.
Filed August 8, 1938. Serial No. 409,348. PUBLISHED DECEMBER 27, 1938. Class 19.

365,584. PASSENGER AND COMMERCIAL AUTOMOBILES. FORD MOTOR COMPANY, Dearborn, Mich.
Filed August 8, 1938. Serial No. 409,349. PUBLISHED DECEMBER 27, 1938. Class 19.

365,585. PASSENGER AND COMMERCIAL AUTOMOBILES. FORD MOTOR COMPANY, Dearborn, Mich.
Filed August 8, 1938. Serial No. 409,350. PUBLISHED DECEMBER 27, 1938. Class 19.

365,586. GAS APPLIANCES—NAMELY, GAS RANGES. ASSOCIATION OF GAS APPLIANCE AND EQUIPMENT MANUFATURERS, New York, N. Y.
Filed August 13, 1938. Serial No. 409,552. PUBLISHED JANUARY 3, 1939. Class 34.

365,587. LADIES' UNDERWEAR, DRESSES, PAJAMAS, BLOOMERS, AND APRONS. MEYER COHEN, doing business as Goodcraft Garment Co., Brooklyn, N. Y.
Filed August 13, 1938. Serial No. 409,561. PUBLISHED DECEMBER 20, 1938. Class 39.

365,588. UNDERWEAR AND GARMENTS FOR WOMEN AND CHILDREN—NAMELY, PANTIES, SLIPS, PAJAMAS, NIGHT-GOWNS, CHEMISES, COMBINATIONS, BLOOMERS, STEPINS, BED JACKETS; AND UNDERWEAR FOR MEN—NAMELY, PAJAMAS, NIGHT-SHIRTS, SHIRTS, SHORTS, AND DRAWERS. WOLVERINE KNITTING MILLS, Bay City, Mich.
Filed August 16, 1938. Serial No. 409,664. PUBLISHED DECEMBER 20, 1938. Class 39.

365,589. CLEANING COMPOUND FOR WOODWORK, PAINTED SURFACES, TILE, ENAMELED SURFACES, ETC. JONES MANUFACTURING COMPANY, Richmond, Va.
Filed August 18, 1938. Serial No. 409,754. PUBLISHED JANUARY 3, 1939. Class 4.

365,590. POSTER PAPER. BRADNER SMITH & COMPANY, Chicago, Ill.
Filed August 19, 1938. Serial No. 409,760. PUBLISHED JANUARY 3, 1939. Class 37.

365,591. NEWSPAPER SECTION. DAILY MIRROR, INC., New York, N. Y.
Filed August 23, 1938. Serial No. 409,865. PUBLISHED JANUARY 3, 1939. Class 38.

365,592. IMITATION LEATHER, IMITATION CLOTH, AND UPHOLSTERING MATERIAL IN THE NATURE OF IMITATION LEATHER AND IMITATION CLOTH, ALL MADE OF OR COMPRISING CREPED OR CORRUGATED, OR CREPED AND CORRUGATED PAPER. THE PAPER SERVICE COMPANY, Lockland, Ohio.
Filed August 24, 1938. Serial No. 409,933. PUBLISHED JANUARY 3, 1939. Class 50.

365,593. GARMENTS OF WOOL FABRIC—NAMELY, SUITS AND COATS FOR WOMEN AND MISSES. LOS ANGELES KNITTING MILLS, LTD., Hollydale, Calif.
Filed August 26, 1938. Serial No. 410,000. PUBLISHED DECEMBER 20, 1938. Class 39.

365,594. FABRIC APPLIQUE EMBLEMS IN THE NATURE OF DECORATION OR EMBELLISHMENT FOR GARMENTS. FRANCES EMBLEMS, INC., New York, N. Y.
Filed August 27, 1938. Serial No. 410,026. PUBLISHED DECEMBER 27, 1938. Class 40.

365,595. WOOLEN PIECE GOODS. DEERING MILLIKEN & CO., INCORPORATED, New York, N. Y.
Filed August 29, 1938. Serial No. 410,071. PUBLISHED JANUARY 3, 1939. Class 42.

365,596. SPRING METAL HAIR PINS. H. B. LAYMON, doing business as World's Products Company, Spencer, Ind.
Filed September 1, 1938. Serial No. 410,184. PUBLISHED DECEMBER 27, 1938. Class 40.

365,597. ULTRA VIOLET TRANSMITTING TUBES FOR BACTERICIDAL STERILIZATION. ULTRA VIOLET PRODUCTS INCORPORATED, Los Angeles, Calif.
Filed September 1, 1938. Serial No. 410,195. PUBLISHED JANUARY 3, 1939. Class 21.

365,598. FASTENERS FOR DETACHABLY SECURING BUTTONS, ORNAMENTS, AND THE LIKE. ARDON COMPANY, INC., Rye, N. Y.
Filed September 6, 1938. Serial No. 410,285. PUBLISHED NOVEMBER 29, 1938. Class 40.

365,599. SPOT REMOVER. THOMAS FULLER TORREY, Lynchburg, Va.
Filed September 7, 1938. Serial No. 410,344. PUBLISHED JANUARY 3, 1939. Class 4.

365,600. HARD CIDER CONTAINING LESS THAN 7% OF ALCOHOL BY VOLUME. MIDWEST ORCHARD SERVICE, INC., Rock Island, Ill.
Filed September 8, 1938. Serial No. 410,369. PUBLISHED DECEMBER 27, 1938. Class 45.

365,601. BLANK CARDS TO BE USED IN MERCHANDISING READY MADE WEARING APPAREL TO FACILITATE THE PURCHASE THEREOF. SYLVIA C. BAYER, Menomonie, Wis.
Filed September 9, 1938. Serial No. 410,387. PUBLISHED JANUARY 3, 1939. Class 37.

365,602. CORDS AND STRANDS OF RUBBER HYDROHALIDE, AND MORE PARTICULARLY RUBBER HYDROCHLORIDE, FOR TYING PACKAGES AND OTHER USES. FREYDBERG BROS., INC., Stamford, Conn.
Filed September 10, 1938. Serial No. 410,429. PUBLISHED JANUARY 3, 1939. Class 7.

365,603. WOMEN'S SHOES OF LEATHER, RUBBER, OR FABRIC OR OF COMBINATIONS OF SAID MATERIALS. BANCROFT WALKER COMPANY, Waltham, Mass.
Filed September 12, 1938. Serial No. 410,448. PUBLISHED NOVEMBER 29, 1938. Class 39.

365,604. STEEL WOOL PADS FOR FLOOR SURFACING OPERATIONS. THE WILLIAMS COMPANY, London, Ohio.
Filed September 12, 1938. Serial No. 410,490. PUBLISHED JANUARY 3, 1939. Class 4.

365,605. WHISKEY. MERCHANTS DISTILLING CORPORATION, Terre Haute, Ind.
Filed September 9, 1938. Serial No. 410,492. PUBLISHED JANUARY 3, 1939. Class 49.

365,606. PHOTOGRAPHIC PAPER. ILFORD, LIMITED, Ilford, England.
Filed September 13, 1938. Serial No. 410,508. PUBLISHED JANUARY 3, 1939. Class 26.

365,607. WHEAT FLOUR. SILBERNAGEL & COMPANY, Pine Bluff, Ark.
Filed September 16, 1938. Serial No. 410,661. PUBLISHED JANUARY 3, 1939. Class 46.

365,608. WHEAT FLOUR. SILBERNAGEL & COMPANY, Pine Bluff, Ark.
Filed September 16, 1938. Serial No. 410,663. PUBLISHED JANUARY 3, 1939. Class 46.

365,609. BUCKLES, SLIDES, AND LOOPS FOR WORK CLOTHING, SUSPENDER BUCKLES, AND LINGERIE BUCKLES. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn.
Filed September 19, 1938. Serial No. 410,715. PUBLISHED DECEMBER 6, 1938. Class 40.

365,610. COFFEE LIQUEUR. JOSE DE MIGUEL VICENT, Mexico, D. F., Mexico.
Filed September 19, 1938. Serial No. 410,723. PUBLISHED JANUARY 3, 1939. Class 49.

365,611. ANTIFRICTION BEARINGS. THE FEDERAL BEARINGS CO., INC., Poughkeepsie, N. Y.
Filed September 19, 1938. Serial No. 410,725. PUBLISHED JANUARY 3, 1939. Class 23.

365,612. TRADING STAMPS. HARRY I. JACOBS, New York, N. Y.
Filed September 19, 1938. Serial No. 410,737. PUBLISHED DECEMBER 27, 1938. Class 38.

365,613. PROCESSED FLOURS OF WHEAT, SOY, AND A COMBINATION OF WHEAT AND SOY FOR BREADS, CAKES; AND SWEETDOUGHS. SUPERIOR BRANDS INC., New York, N. Y.
Filed September 19, 1938. Serial No. 410,756. PUBLISHED JANUARY 3, 1939. Class 46.

365,614. MEN'S AND BOYS' SUITS AND PANTS OF LINENS, SEERSUCKERS, COTTONS, AND OTHER CLOTHS, AND MEN'S AND BOYS' OUTER SHIRTS. FAMOUS-STERNBERG, INC., New Orleans, La.
Filed September 20, 1938. Serial No. 410,780. PUBLISHED DECEMBER 20, 1938. Class 39.

365,615. HOSIERY. JOSEPH A. SACKS, doing business as Daisy Whitehead Knitting Co., New York, N. Y.
Filed September 23, 1938. Serial No. 410,889. PUBLISHED DECEMBER 27, 1938. Class 39.

365,616. NEWSPAPER ARTICLES. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed September 23, 1938. Serial No. 410,923. PUBLISHED DECEMBER 27, 1938. Class 38.

365,617. SOYBEAN OIL MEAL AND SOYBEAN FLAKES USED IN THE MANUFACTURE OF STOCK AND POULTRY FEEDS. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind.
Filed September 24, 1938. Serial No. 410,947. PUBLISHED JANUARY 3, 1939. Class 46.

365,618. SYNTHETIC RESIN FOR USE IN PAINTS, VARNISHES, ENAMELS, LACQUERS, AND THE LIKE. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed September 15, 1938. Serial No. 410,978. PUBLISHED JANUARY 3, 1939. Class 16.

365,619. JAMS, JELLIES, FRUIT PRESERVES, AND HONEY. THE VIRGIN ISLANDS COOPERATIVE, INC., St. Thomas, Virgin Islands.
Filed September 28, 1938. Serial No. 411,063. PUBLISHED JANUARY 3, 1939. Class 46.

365,620. METAL BAKING PANS. THE ALLYN GARDNER COMPANY, Baltimore, Md.
Filed September 29, 1938. Serial No. 411,073. PUBLISHED DECEMBER 27, 1938. Class 13.

365,621. TYPE USED IN HOT GOLD STAMPING. FRANKLIN MANUFACTURING CORPORATION, Norwood, Mass.
Filed September 30, 1938. Serial No. 411,121. PUBLISHED JANUARY 3, 1939. Class 14.

365,622. FERROUS METAL SHAPES AND SHEETS FOR METAL STRUCTURES. DRY-ZERO CORPORATION, Chicago, Ill.
Filed October 1, 1938. Serial No. 411,156. PUBLISHED JANUARY 3, 1939. Class 14.

365,623. PRINTERS' PAPERS AND WRAPPING PAPER. GRAHAM PAPER COMPANY, St. Louis, Mo.
Filed October 1, 1938. Serial No. 411,162. PUBLISHED JANUARY 3, 1939. Class 37.

365,624. ROWBOATS AND MOTOR BOATS. HENRY COHN, Chicago, Ill.
Filed September 30, 1938. Serial No. 411,196. PUBLISHED JANUARY 3, 1939. Class 19.

365,625. SERIES OF NEWSPAPER FEATURES. THE BELL SYNDICATE, INC., New York, N. Y.
Filed October 3, 1938. Serial No. 411,206. PUBLISHED DECEMBER 27, 1938. Class 38.

365,626. MEN'S AND BOYS' COATS AND SUITS, AND WOMEN'S, GIRLS', AND CHILDREN'S COATS, SUITS, CLOAKS, AND CAPES. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed October 3, 1938. Serial No. 411,211. PUBLISHED DECEMBER 6, 1938. Class 39.

365,627. COPY HOLDERS. OFFICE ENGINEERS, LTD., San Francisco, Calif.
Filed October 3, 1938. Serial No. 411,240. PUBLISHED JANUARY 3, 1939. Class 37.

365,628. WOMEN'S AND MISSES' DRESSES. NATIONAL DRESS COMPANY, St. Louis, Mo.
Filed October 4, 1938. Serial No. 411,278. PUBLISHED DECEMBER 20, 1938. Class 39.

365,629. PIECE GOODS OF COTTON, AND COTTON AND RAYON MIXTURES. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 4, 1938. Serial No. 411,287. PUBLISHED JANUARY 3, 1939. Class 42.

365,630. HOSIERY. S. D. ARROWOOD & COMPANY, New York, N. Y.
Filed October 5, 1938. Serial No. 411,290. PUBLISHED DECEMBER 20, 1938. Class 39.

365,631. MEN'S AND BOYS' TROUSERS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed October 5, 1938. Serial No. 411,310. PUBLISHED DECEMBER 20, 1938. Class 39.

365,632. WRITING PAPER. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed October 6, 1938. Serial No. 411,331. PUBLISHED JANUARY 3, 1939. Class 37.

365,633. WRITING PAPER. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed October 6, 1938. Serial No. 411,332. PUBLISHED JANUARY 3, 1939. Class 37.

365,634. SLIPS. WM. T. KNOTT COMPANY, INC., New York, N. Y.
Filed October 7, 1938. Serial No. 411,378. PUBLISHED JANUARY 3, 1939. Class 39.

365,635. HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 8, 1938. Serial No. 411,407. PUBLISHED DECEMBER 27, 1938. Class 39.

365,636. HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed October 8, 1938. Serial No. 411,408. PUBLISHED DECEMBER 27, 1938. Class 39.

365,637. CLEANSING TISSUES. SEMINOLE PAPER CORPORATION, New York, N. Y.
Filed October 8, 1938. Serial No. 411,428. PUBLISHED JANUARY 3, 1939. Class 37.

365,638. SUITS, COATS, VESTS, PANTS, TOPCOATS, AND OVERCOATS FOR MEN. PINCUS BROS., INC., Philadelphia, Pa.
Filed October 4, 1938. Serial No. 411,432. PUBLISHED DECEMBER 20, 1938. Class 39.

365,639. SHOE LACES AND BRAIDS. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I.
Filed October 10, 1938. Serial No. 411,440. PUBLISHED DECEMBER 13, 1938. Class 40.

365,640. SHOE LACES AND BRAIDS. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I.
Filed October 10, 1938. Serial No. 411,442. PUBLISHED JANUARY 3, 1939. Class 40.

365,641. LUMBER. CALIFORNIA REDWOOD ASSOCIATION, San Francisco, Calif.
Filed October 10, 1938. Serial No. 411,446. PUBLISHED DECEMBER 6, 1938. Class 12.

365,642. BUILDING BLOCKS OR UNITS FACED WITH PORCELAIN ENAMEL STEEL. DAVIDSON ENAMEL PRODUCTS, INC., Lima, Ohio.
Filed October 10, 1938. Serial No. 411,447. PUBLISHED DECEMBER 27, 1938. Class 12.

365,643. LADIES' AND MISSES' BLOUSES AND DRESSES. MARK KNEBEL, New York, N. Y.
Filed October 10, 1938. Serial No. 411,479. PUBLISHED JANUARY 3, 1939. Class 39.

365,644. LADIES' AND CHILDREN'S UNDERWEAR. BELLE KNITTING CORP., New York, N. Y.
Filed October 11, 1938. Serial No. 411,486. PUBLISHED DECEMBER 20, 1938. Class 39.

365,645. WARES GENERALLY DESIGNATED AS ELECTRIC APPLIANCES, INCLUDING ELECTRIC HOUSEHOLD APPLIANCES AND ELECTRIC INDUSTRIAL APPLIANCES, ETC. ELECTRIC SOLDERING IRON CO., INC., Deep River, Conn.
Filed October 11, 1938. Serial No. 411,490. PUBLISHED JANUARY 3, 1939. Class 21.

365,646. WOMEN'S AND MISSES' BLOUSES AND DRESSES. IRVING GEIST, New York, N. Y.
Filed October 11, 1938. Serial No. 411,495. PUBLISHED DECEMBER 27, 1938. Class 39.

365,647. SAPPHIRES AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed October 11, 1938. Serial No. 411,512. PUBLISHED JANUARY 3, 1939. Class 28.

365,648. SILKS, RAYONS, AND COTTONS AND COMBINATIONS THEREOF IN THE PIECE. WOLLMAN FABRICS CORPORATION, New York, N. Y.
Filed October 11, 1938. Serial No. 411,515. PUBLISHED JANUARY 3, 1939. Class 42.

365,649. PHOTOGRAPHIC MOTION PICTURE FILMS. EDWARD A. FROMADER, doing business as Fromader Movie Service, Davenport, Iowa.
Filed October 12, 1938. Serial No. 411,527. PUBLISHED JANUARY 3, 1939. Class 26.

365,650. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET. PACKARD DRESSES, INC., New York, N. Y.
Filed October 12, 1938. Serial No. 411,543. PUBLISHED JANUARY 3, 1939. Class 39.

365,651. LADIES' GARMENTS—NAMELY, WRAPS, COATS, AND SUITS. FRANK WRAPS, INC., New York, N. Y.
Filed October 13, 1938. Serial No. 411,586. PUBLISHED DECEMBER 27, 1938. Class 39.

365,652. PERIODICAL. J. A. LAZAR, doing business as American Publishing Association, Philadelphia, Pa.
Filed October 14, 1938. Serial No. 411,609. PUBLISHED JANUARY 3, 1939. Class 38.

365,653. GLASS PANES FOR CLOSURES FOR ELECTRIC METERS FOR USE BOTH OUTDOORS AND INDOORS. THE SUPERIOR SWITCHBOARD & DEVICES CO., Canton, Ohio.
Filed October 14, 1938. Serial No. 411,617. PUBLISHED JANUARY 3, 1939. Class 33.

365,654. TABLE SYRUP. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed October 17, 1938. Serial No. 411,719. PUBLISHED JANUARY 3, 1939. Class 46.

365,655. GOLF CLUBS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron and Cleveland Ohio, Baltimore, Md., Denver, Colo., St. Louis, Mo., and Los Angeles, Calif.
Filed October 18, 1938. Serial No. 411,746. PUBLISHED JANUARY 3, 1939. Class 22.

365,656. WHISKEY. JOHN A. WATHEN DISTILLERY COMPANY, INC., Lebanon and Louisville, Ky.
Filed October 17, 1938. Serial No. 411,760. PUBLISHED JANUARY 3, 1939. Class 49.

365,657. PERIODICAL PUBLICATION. THE MINERALOGIST PUBLISHING COMPANY, Portland, Oreg.
Filed October 19, 1938. Serial No. 411,789. PUBLISHED JANUARY 3, 1939. Class 38.

365,658. HEMP PIECE GOODS. NICHIMAN AMA BOSHOKU KABUSHIKI KAISHA, Tokyo, Japan.
Filed October 19, 1938. Serial No. 411,791. PUBLISHED JANUARY 3, 1939. Class 42.

365,659. PLASTIC HEAT INSULATING MATERIAL. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed October 19, 1938. Serial No. 411,792. PUBLISHED DECEMBER 27, 1938. Class 12.

365,660. STEAM, HYDRAULIC, AND THE LIKE PACKING, AND JOINTING IN THE NATURE OF PACKING, AND WASHERS MADE OF ASBESTOS. RONALD TRIST & CO. LIMITED, London, England.
Filed October 19, 1938. Serial No. 411,796. PUBLISHED JANUARY 3, 1939. Class 35.

365,661. PERIODICAL PUBLISHED QUARTERLY. SOCIETY OF FORMER SPECIAL AGENTS OF THE FEDERAL BUREAU OF INVESTIGATION INC., New York, N. Y.
Filed October 19, 1938. Serial No. 411,799. PUBLISHED DECEMBER 27, 1938. Class 38.

365,662. FROCKS FOR MISSES. TWENTIETH-CENTURY FROCKS, Los Angeles, Calif.
Filed October 19, 1938. Serial No. 411,801. PUBLISHED DECEMBER 27, 1938. Class 39.

365,663. COTTON PIECE GOODS AND SHEETS AND PILLOW CASES. WAMSUTTA MILLS, New Bedford, Mass.
Filed October 19, 1938. Serial No. 411,804. PUBLISHED JANUARY 3, 1939. Class 42.

365,664. DRESSES, OUTER SHIRTS, SHORTS, SLACKS, AND SPORTSWEAR CONSISTING OF BLOUSES AND JACKETS FOR MEN, WOMEN, AND CHILDREN. WAMSUTTA MILLS, New Bedford, Mass.
Filed October 19, 1938. Serial No. 411,805. PUBLISHED DECEMBER 27, 1938. Class 39.

365,665. LADIES' SILK PAJAMAS AND SILK UNDERWEAR—NAMELY, SLIPS, NIGHTGOWNS, PANTIES, AND CHEMISES. FISCHER & CO., INC., New York, N. Y.
Filed October 20, 1938. Serial No. 411,829. PUBLISHED DECEMBER 27, 1938. Class 39.

365,666. PUBLICATIONS ISSUED PERIODICALLY. JONES PUBLISHING CORPORATION, New York, N. Y.
Filed October 20, 1938. Serial No. 411,834. PUBLISHED JANUARY 3, 1939. Class 38.

365,667. FERTILIZER. H. WEIL & BROTHERS, doing business as Weil's Fertilizer Works, Goldsboro, N. C.
Filed October 20, 1938. Serial No. 411,845. PUBLISHED JANUARY 3, 1939. Class 10.

365,668. FERTILIZER. H. WEIL & BROTHERS, doing business as Weil's Fertilizer Works, Goldsboro, N. C.
Filed October 20, 1938. Serial No. 411,846. PUBLISHED JANUARY 3, 1939. Class 10.

365,669. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, SPORTCOATS, MACKINAWS, VESTS, AND TROUSERS, OF WOOLEN AND WORSTED PIECE GOODS. M. & B. COHEN CO., New York, N. Y.
Filed October 21, 1938. Serial No. 411,856. PUBLISHED DECEMBER 27, 1938. Class 39.

365,670. CARTOON SERIES. THE LONE RANGER, INC., Detroit, Mich.
Filed October 21, 1938. Serial No. 411,874. PUBLISHED DECEMBER 27, 1938. Class 38.

365,671. FOLDING BOATS. STOWAWAY BOAT COMPANY, Long Island City, N. Y.
Filed October 21, 1938. Serial No. 411,913. PUBLISHED DECEMBER 27, 1938. Class 19.

365,672. ELECTRIC LAUNDRY WASHING MACHINES. VIDRIO PRODUCTS CORPORATION, Chicago, Ill.
Filed October 21, 1938. Serial No. 411,920. PUBLISHED JANUARY 3, 1939. Class 24.

365,673. WOMEN'S APRONS. THE CROMWELL PAPER COMPANY, Chicago, Ill.
Filed October 22, 1938. Serial No. 411,946. PUBLISHED DECEMBER 27, 1938. Class 39.

365,674. PLUG VALVES. MACCLATCHIE MANUFACTURING COMPANY OF CALIFORNIA, Compton, Calif.
Filed October 22, 1938. Serial No. 411,958. PUBLISHED DECEMBER 27, 1938. Class 13.

365,675. FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS. R. A. NEMANICK, Salinas, Calif.
Filed October 22, 1938. Serial No. 411,961. PUBLISHED JANUARY 3, 1938. Class 46.

365,676. STEEL RAILS, STEEL CROSS TIES, STEEL MINE TIES, STEEL NARROW GAUGE PORTABLE INDUSTRIAL TRACK, STEEL MERCHANT BARS, AND STEEL RAILROAD CROSSINGS. SWEET'S STEEL COMPANY, Williamsport, Pa.
Filed October 24, 1938. Serial No. 412,011. PUBLISHED JANUARY 3, 1939. Class 14.

365,677. BRICKS. WASHBURN BROTHERS COMPANY, Glasco, N. Y.
Filed October 24, 1938. Serial No. 412,016. PUBLISHED DECEMBER 27, 1938. Class 12.

365,678. MONTHLY TRADE PUBLICATION. KURT GANS, New York, N. Y.
Filed October 25, 1938. Serial No. 412,029. PUBLISHED DECEMBER 27, 1938. Class 38.

365,679. CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC MALTLESS BEVERAGES. SWIRLS, INC., Newark, N. J.
Filed October 26, 1938. Serial No. 412,049. PUBLISHED JANUARY 3, 1939. Class 45.

365,680. CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC MALTLESS BEVERAGES. SWIRLS, INC., Newark, N. J.
Filed October 26, 1938. Serial No. 412,051. PUBLISHED JANUARY 3, 1939. Class 45.

365,681. CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC MALTLESS BEVERAGES. SWIRLS, INC., Newark, N. J.
Filed October 26, 1938. Serial No. 412,052. PUBLISHED JANUARY 3, 1939. Class 45.

365,682. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed October 27, 1938. Serial No. 412,099. PUBLISHED DECEMBER 20, 1938. Class 39.

365,683. PLASTIC WOOD. S. H. KRESS AND COMPANY, New York, N. Y.
Filed October 27, 1938. Serial No. 412,106. PUBLISHED DECEMBER 27, 1938. Class 12.

365,684. POLISHING COMPOUND FOR METALS AND GLASS. ORIENTAL ROUGE CO., INC., Bridgeport, Conn.
Filed October 27, 1938. Serial No. 412,112. PUBLISHED JANUARY 3, 1939. Class 4.

365,685. GASOLINE, LUBRICATING OILS AND GREASES. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y.
Filed October 27, 1938. Serial No. 412,118. PUBLISHED DECEMBER 27, 1938. Class 15.

365,686. VEGETABLE FLOUR FOR USE IN THE PREPARATION OF CERTAIN ROAD MATERIALS. TRADERS OIL MILL COMPANY, Fort Worth, Tex.
Filed October 27, 1938. Serial No. 412,122. PUBLISHED JANUARY 3, 1939. Class 12.

365,687. ALKALINE DETERGENT FOR USE WITH OR WITHOUT THE ADDITION OF SOAP. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed October 29, 1938. Serial No. 412,174. PUBLISHED JANUARY 3, 1939. Class 4.

365,688. COATING FOR SHINGLES IN THE NATURE OF A PAINT. DONOVAN PAINT & LACQUER COMPANY, Rochester, N. Y.
Filed October 29, 1938. Serial No. 412,175. PUBLISHED JANUARY 3, 1939. Class 16.

365,689. TOBACCO PIPES. JOHN FORTNUM LTD., New York, N. Y.
Filed October 29, 1938. Serial No. 412,178. PUBLISHED JANUARY 3, 1939. Class 8.

365,690. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. LOBLAW GROCETERIAS, INC., Buffalo, N. Y.
Filed October 29, 1938. Serial No. 412,193. PUBLISHED JANUARY 3, 1939. Class 45.

365,691. NONALCOHOLIC MALTLESS CARBONATED BEVERAGES. GUILIO SELANY, Brooklyn, N. Y.
Filed October 29, 1938. Serial No. 412,201. PUBLISHED JANUARY 3, 1939. Class 45.

365,692. MONTHLY NEWS BULLETIN. THE SPOOL COTTON COMPANY, New York, N. Y.
Filed October 31, 1938. Serial No. 412,233. PUBLISHED DECEMBER 27, 1938. Class 38.

365,693. SPRING WASHERS. WOODINGS-VERONA TOOL WORKS, Verona, Pa.
Filed October 31, 1938. Serial No. 412,242. PUBLISHED DECEMBER 27, 1938. Class 13.

365,694. WINES. BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif.
Filed November 1, 1938. Serial No. 412,248. PUBLISHED DECEMBER 27, 1938. Class 47.

365,695. MIX FOR USE IN MAKING ICE CREAM. THE BORDEN COMPANY, New York, N. Y.
Filed November 1, 1938. Serial No. 412,249. PUBLISHED JANUARY 3, 1939. Class 46.

365,696. INDEX PADS. THE POPULAR PEN & PENCIL CO., Cleveland, Ohio.
Filed November 1, 1938. Serial No. 412,267. PUBLISHED JANUARY 3, 1939. Class 37.

365,697. HOSIERY. ADAMS-MILL'S CORPORATION, High Point, N. C.
Filed November 2, 1938. Serial No. 412,279. PUBLISHED DECEMBER 27, 1938. Class 39.

365,698. HOSIERY. BENAL HOSIERY CO., INC., New York, N. Y.
Filed November 2, 1938. Serial No. 412,282. PUBLISHED DECEMBER 27, 1938. Class 39.

365,699. FROZEN CONFECTIONS. FRANK J. HANAFEE, New York, N. Y.
Filed November 2, 1938. Serial No. 412,295. PUBLISHED JANUARY 3, 1939. Class 46.

365,700. ROOFING AND SHINGLES AND SIDING HAVING A FELT BASE IMPREGNATED WITH BITUMINOUS SATURANT AND USED AS CONSTRUCTION MATERIAL. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed November 3, 1938. Serial No. 412,329. PUBLISHED JANUARY 3, 1939. Class 12.

365,701. DRY, PASTE FORM, AND READY-MIXED PAINTS AND PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE H. B. DAVIS COMPANY, Baltimore, Md.
Filed November 3, 1938. Serial No. 412,330. PUBLISHED JANUARY 3, 1939. Class 16.

365,702. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Highland Park, Mich.
Filed November 4, 1938. Serial No. 412,373. PUBLISHED JANUARY 3, 1939. Class 19.

365,703. PILLOWS. SUSAN P. FLEMING, New York, N. Y.
Filed November 5, 1938. Serial No. 412,412. PUBLISHED JANUARY 3, 1939. Class 32.

365,704. ELECTRIC LIGHTING FIXTURES. THE ARTALIER COMPANY, Cleveland, Ohio.
Filed November 7, 1938. Serial No. 412,428. PUBLISHED JANUARY 3, 1939. Class 21.

365,705. KNITTING MACHINES. CIDEOA MACHINE SHOP, INC., New York, N. Y.
Filed November 7, 1938. Serial No. 412,439. PUBLISHED JANUARY 3, 1939. Class 23.

365,706. DOLL CLOTHES. W. T. GRANT COMPANY, New York, N. Y.
Filed November 7, 1938. Serial No. 412,450. PUBLISHED JANUARY 3, 1939. Class 22.

365,707. INSULATED ELECTRICAL CONDUCTORS COMPRISING IN THEIR INSULATING STRUCTURE A HELICALLY WOUND SERVING OF FILAMENTARY MATERIAL, AND ON CABLES, DUCTS, AND OTHER HOUSINGS CONTAINING INSULATED ELECTRICAL CONDUCTORS OF THAT SPECIFIC SORT. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa.
Filed November 7, 1938. Serial No. 412,457. PUBLISHED JANUARY 3, 1939. Class 21.

365,708. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed November 7, 1938. Serial No. 412,458. PUBLISHED JANUARY 3, 1939. Class 1.

365,709. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed November 7, 1938. Serial No. 412,459. PUBLISHED JANUARY 3, 1939. Class 1.

365,710. CARPET SWEEPERS. STERLING SWEEPER COMPANY, Holland, Mich.
Filed November 7, 1938. Serial No. 412,471. PUBLISHED JANUARY 3, 1939. Class 23.

365,711. AUTOMOBILES. THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio, now by change of name to The Crosley Corporation.
Filed November 7, 1938. Serial No. 412,481. PUBLISHED JANUARY 3, 1939. Class 19.

365,712. SMOKING PIPES. BACHMANN BROTHERS, INC., Philadelphia, Pa.
Filed November 8, 1938. Serial No. 412,487. PUBLISHED JANUARY 3, 1939. Class 8.

365,713. FABRIC TREATED WITH NON-SLIPPING MATERIAL FOR USE IN PREVENTING SLIPPING OF RUGS. BEHR-MANNING CORPORATION, Troy, N. Y.
Filed November 8, 1938. Serial No. 412,491. PUBLISHED JANUARY 3, 1939. Class 50.

365,714. PLUG TOBACCO, SMOKING TOBACCO, AND CIGARETTES. LARUS & BROTHER CO. INC., also doing business as Sparrow & Gravely Branch, Larus & Brother Co. Inc., Richmond, Va.
Filed November 8, 1938. Serial No. 412,508. PUBLISHED JANUARY 3, 1939. Class 17.

365,715. MATCHES. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y.
Filed November 8, 1938. Serial No. 412,526. PUBLISHED JANUARY 3, 1939. Class 9.

365,716. TOOTH BRUSHES. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 8, 1938. Serial No. 412,530. PUBLISHED JANUARY 3, 1939. Class 29.

365,717. NECKTIES. BOTANY WORSTED MILLS, Passaic, N. J.
Filed November 9, 1938. Serial No. 412,540. PUBLISHED JANUARY 3, 1939. Class 39.

365,718. MAGAZINE FOR BOYS AND GIRLS. THE CURTIS PUBLISHING COMPANY, Philadelphia, Pa.
Filed November 9, 1938. Serial No. 412,544. PUBLISHED JANUARY 3, 1939. Class 38.

365,719. LADIES' HANDBAGS. ELANBEE SALES CO. INC., New York, N. Y.
Filed November 9, 1938. Serial No. 412,547. PUBLISHED JANUARY 3, 1939. Class 3.

365,720. CHEMICALLY TREATED PAPER TISSUES. NATIONAL CELLULOSE CORPORATION, New York, N. Y.
Filed November 9, 1938. Serial No. 412,557. PUBLISHED JANUARY 3, 1939. Class 37.

365,721. WAXED WRAPPING PAPER. RHINELANDER PAPER COMPANY, Rhinelander, Wis.
Filed November 9, 1938. Serial No. 412,560. PUBLISHED JANUARY 3, 1939. Class 37.

365,722. SILVER-PLATED FLATWARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed November 10, 1938. Serial No. 412,605. PUBLISHED JANUARY 3, 1939. Class 28.

365,723. SCOTCH WHISKEY. BELLOWS & COMPANY, INC., New York, N. Y.
Filed November 12, 1938. Serial No. 412,624. PUBLISHED JANUARY 3, 1939. Class 49.

365,724. MEN'S SUITS AND COATS. THE GOODIMATE COMPANY, Philadelphia, Pa.
Filed November 12, 1938. Serial No. 412,634. PUBLISHED JANUARY 3, 1939. Class 39.

365,725. CANDY. JOHN MACKINTOSH & SONS LTD., INC., Boston, Mass.
Filed November 12, 1938. Serial No. 412,650. PUBLISHED JANUARY 3, 1939. Class 46.

365,726. TOY AEROPLANES. MYSTOPLANE COMPANY, INC., New York, N. Y.
Filed November 12, 1938. Serial No. 412,656. PUBLISHED JANUARY 3, 1939. Class 22.

365,727. MUSICAL TOYS. NORTHWESTERN MAIL BOX COMPANY, St. Louis, Mo.
Filed November 12, 1938. Serial No. 412,661. PUBLISHED JANUARY 3, 1939. Class 22.

365,728. CANNED SALMON. POINT ADAMS PACKING CO., Hammond, Oreg.
Filed November 12, 1938. Serial No. 412,665. PUBLISHED JANUARY 3, 1939. Class 46.

365,729. FISHING LURE. G. B. AND H. E. RAYBURN, Los Angeles, Calif.
Filed November 12, 1938. Serial No. 412,666. PUBLISHED JANUARY 3, 1939. Class 22.

365,730. ROLLER SKATES AND WHEELS AND REPAIR PARTS THEREFOR. ALLIED ENGINEERING COMPANY, Chicago, Ill.
Filed November 14, 1938. Serial No. 412,688. PUBLISHED JANUARY 3, 1939. Class 22.

365,731. PORTABLE REFRIGERATORS USED TO CONTAIN AND PRESERVE FOODSTUFFS IN TRANSIT. GUSTIN-BACON MANUFACTURING CO., Kansas City, Mo.
Filed November 14, 1938. Serial No. 412,704. PUBLISHED JANUARY 3, 1939. Class 31.

365,732. MEN'S TOPCOATS AND OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed November 14, 1938. Serial No. 412,733. PUBLISHED JANUARY 3, 1939. Class 39.

365,733. WHISKY, GIN, RUM, BRANDY, COGNAC, AND ALCOHOLIC LIQUEURS. BERRY BROS. & CO., London, England.
Filed November 16, 1938. Serial No. 412,794. PUBLISHED JANUARY 3, 1939. Class 49.

365,734. LADIES' HANDBAGS. LESCO LTD., New York, N. Y.
Filed November 16, 1938. Serial No. 412,819. PUBLISHED JANUARY 3, 1939. Class 3.

365,735. FERTILIZERS. SYNTHETIC NITROGEN PRODUCTS CORPORATION, New York, N. Y.
Filed November 16, 1938. Serial No. 412,832. PUBLISHED JANUARY 3, 1939. Class 10.

365,736. MATTRESSES. PAUL RUNKLE, York, Pa.
Filed November 17, 1938. Serial No. 412,874. PUBLISHED JANUARY 3, 1939. Class 32.

365,737. SOFAS AND CHAIRS. B. ALTMAN & CO., New York, N. Y.
Filed November 18, 1938. Serial No. 412,895. PUBLISHED JANUARY 3, 1939. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

365,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD WHOLESALE GROCERY CO., Chicago, Ill. Filed May 22, 1937. Serial No. 393,148.

FORT SHERIDAN

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Soup, Coffee, Spices, Food-Flavoring Extracts, Pickles, Olives, Catsup, Prepared Mustard, Salad Dressing, Tomato Juice, and Fruit Juice for Food Purposes.
Claims use since 1922.

365,739. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY L. HANSON, Worcester, Mass. Filed Oct. 7, 1937. Serial No. 398,245.

HANDY

For Taps, Threading Dies, Hack Saw Frames, Screw Extractors, Die Stocks, Pipe Stocks, and Dies.
Claims use since May 15, 1931.

365,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FORBUSH COMPANY, Pueblo, Colo. Filed Nov. 3, 1937. Serial No. 399,273.

CRISP PAK

For Fresh and Frozen Vegetables.
Claims use since Oct. 21, 1937.

365,741. (CLASS 39. CLOTHING.) MID-STATES SHOE CO., doing business as Huth & James Shoe Co., Milwaukee, Wis., assignor to Huth & James Shoe Co., Milwaukee Wis., a corporation of Wisconsin. Filed Dec. 13, 1937. Serial No. 400,783.

Sturdee-Stile
A REAL VALUE

For Women's Leather Shoes.
Claims use since Nov. 1, 1937.

365,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Dec. 13, 1937. Serial No. 400,789.

Fri-Jan

For Dressed Poultry.
Claims use since Sept. 15, 1937.

365,743. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ARKANSAS CITY FLOUR MILLS CO., Arkansas City, Kans. Filed Jan. 3. 1938. Serial No. 401,518.

Premium Prints

For Wheat Flour.
Claims use since Dec. 20, 1937.

365,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE REYNOLDS PRESERVING COMPANY, Sturgeon Bay, Wis. Filed Jan. 17, 1938. Serial No. 402,023.

CHERESAUS

For Canned Cherries.
Claims use since Dec. 11, 1937.

365,745. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed Jan. 20, 1938. Serial No. 402,125.

Lorraine

For Hair Curlers and Hair Wavers.
Claims use since Jan. 17, 1938.

365,746. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHAKESPEARE COMPANY, Kalamazoo, Mich. Filed Jan. 22, 1938. Serial No. 402,238.

Shakespeare's
BALANCED TACKLE
MORE SKILL—MORE THRILL

For Fishing Tackle—Namely, Rods, Reels, Lines, and Artificial Baits.
Claims use since Dec. 1, 1936.

365,747. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MODERN CURTAIN CO. INC., Boston, Mass. Filed Jan. 26, 1938. Serial No. 402,341.

Cascade

For Window Curtains in the Nature of Tie-Back Curtains or Drapes Made of Marquisette Cloth or Other Sheer Light-Transmitting Cloth.
Claims use since Jan. 22, 1938.

365,748. (CLASS 11. INKS AND INKING MATERIALS.) ASSOCIATED INK COMPANY, LTD., San Francisco, Calif. Filed Feb. 15, 1938. Serial No. 403,031.

HARDSET

For Printing and Lithographing Inks.
Claims use since Feb. 1, 1938.

365,749. (CLASS 17. TOBACCO PRODUCTS.) HOUSE OF WESTMINSTER, LTD., New York, N. Y., assignor to Leonard R. Edwin and Jules M. Cole, co-partners, doing business under firm name of Rum & Maple Tobacco Company, New York, N. Y. Filed Mar. 11, 1938. Serial No. 403,948.

RUM and MAPLE
Pipe Mixture
Not Too Mild—Not Too Sweet!

For Pipe Tobacco.
Claims use since Oct. 1, 1937.

365,750. (CLASS 39. CLOTHING.) THE TOLEDO GLOVE MANUFACTURING COMPANY, Toledo, Ohio. Filed Mar. 18, 1938. Serial No. 404,239.

UNION WORKMAN GLOVES

For Gloves and Gauntlets Made of Fabrics and Combinations of Fabric and Leather.
Claims use since Dec. 15, 1937.

365,751. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) R. H. COMEY BROOKLYN COMPANY, INC., Brooklyn, N. Y. Filed Apr. 25, 1938. Serial No. 405,690.

IMPERIAL

For Braids Used in the Manufacture of Hats, Composed Principally of Straw, Chip, Hemp, Visca, Palm, Hair, Pyroxylin, Pedaline, Toquilla Fibre, and All Vegetable Fibre Braids.
Claims use since July 1, 1903.

365,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALL RANCH, also doing business as A. F. Call Estate, Corona, Calif. Filed June 6, 1938. Serial No. 407,129.

LAUREL

For Fresh Citrus Fruit.
Claims use since 1905.

365,753. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANIEL W. FARNSWORTH, New York, N. Y. Filed June 29, 1938. Serial No. 408,015.

FARNSWORTH
KASHMIR

The words "Farnsworth Kashmir" are disclaimed apart from the mark.
For Woolen and Worsted Piece Goods.
Claims use since June, 1918.

365,754. (CLASS 15. OILS AND GREASES.) FLOYD COMMADORE FORESTER, doing business as Independent Oil Co. of N. C., North Wilkesboro, N. C. Filed July 7, 1938. Serial No. 408,332.

FORESTER'S
ROYAL BLUE

For Gasoline, Motor Oil, Lubricating Oils and Greases, Kerosene and Naphtha.
Claims use since Jan. 1, 1938.

365,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNSET SWEET POTATO GROWERS ASSOCIATION, Sunset, La. Filed Aug. 20, 1938. Serial No. 409,825.

BELLEVIEW BRAND

For Fresh Vegetables.
Claims use since September, 1933.

365,756. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TON-TEX CORPORATION, Grand Rapids, Mich. Filed Aug. 31, 1938. Serial No. 410,151.

LAPLESS ENDLESS

For Belting.
Claims use since April, 1934.

365,757. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938. Serial No. 410,204.

Copley Club

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Jan. 12, 1938.

365,758. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938. Serial No. 410,206.

JONNY CORN

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Oct. 13, 1937.

365,759. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938. Serial No. 410,208.

Spoon River

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Sept. 22, 1936.

365,760. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Sept. 2, 1938. Serial No. 410,209.

STOKES

For Gin, Rum, Whiskey, Brandy, and Alcoholic Cordials.
Claims use since Nov. 26, 1937.

365,761. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD MONK OLIVE OIL CO., Chicago, Ill. Filed Sept. 6, 1938. Serial No. 410,304.

TRIPLE WHIP

For Salad Dressing.
Claims use since Sept. 15, 1937.

365,762. (CLASS 31. FILTERS AND REFRIGERATORS.) BABSON BROS., Chicago, Ill. Filed Oct. 7, 1938. Serial No. 411,364.

"Shrouded Air Current"

For Ice Making Milk Cooling Machines.
Claims use since Jan. 25, 1938.

365,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine. Filed Oct. 14, 1938. Serial No. 411,642.

Goodall

For Piece Goods Made from Combinations of Mohair, Cotton, Wool, Alpaca, Camel Hair, Silk, and Artificial Silk, Also Woolen, Cotton, Mohair, and Plush Piece Goods.
Claims use since Jan. 2, 1914.

365,764. (CLASS 47. WINES.) NOVITIATE OF LOS GATOS, Los Gatos, Calif. Filed Oct. 21, 1938. Serial No. 411,928.

SANTA CLARA MISSION

For Wines.
Claims use since Jan. 1, 1935.

365,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRY-MOLASSES FEED CO., INC., Chicago, Ill. Filed Nov. 3, 1938. Serial No. 412,334.

HUNT'S MOLASSES-MIX

For Dry Molasses Feed Concentrate.
Claims use since Jan. 1, 1937.

365,766. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed Nov. 15, 1938. Serial No. 412,748.

MANHATTAN

For Combs for the Hair.
Claims use since June, 1900.

365,767. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Nov. 17, 1938. Serial No. 412,867.

SEAL TOP

For Whiskey.
Claims use since Mar. 1, 1937.

365,768. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Nov. 18, 1938. Serial No. 412,918.

DOUGLAS

For Corn Gluten Feed, Corn Oil Cake Meal, and Corn Gluten Meal, All Used for Animal Feed.
Claims use since Jan. 1, 1913, on corn gluten feed and corn oil cake meal; since Jan. 15, 1918, on other items.

365,769. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN FRUIT GROWERS, INC., Los Angeles, Calif. Filed Dec. 5, 1938. Serial No. 413,496.

AURORA

For Fresh Citrus and Deciduous Fruit, Vegetables, Melons, and Grapes.
Claims use since 1923.

365,770. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VAN ZALE ELECTRIC COMPANY, Bay City, Mich. Filed Dec. 5, 1938. Serial No. 413,528.

VanZale Drive Way Signal

For Pressure Actuated Electric Bell Drive Way Signals.
Claims use since Nov. 4, 1937.

365,771. (CLASS 39. CLOTHING.) GLOVECRAFT, INC., Johnstown, N. Y. Filed Dec. 12, 1938. Serial No. 413,707.

FREEFIT
FASHIONED BY GLOVECRAFT

For Men's and Women's Gloves of Leather, Fabric, and Combinations of Said Materials.
Claims use since Sept. 1, 1937.

365,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARDS G. WILKINSON, Naples, Fla. Filed Dec. 17, 1938. Serial No. 414,176.

FRAGRANCE

For Mangoes.
Claims use since May, 1933.

365,773. (CLASS 39. CLOTHING.) COLUMBIA OUTFITTING CO. OF LOS ANGELES, CAL., Los Angeles, Calif. Filed Jan. 9, 1939. Serial No. 414,625.

Bradbury Clothes

For Men's and Boys' Outer Garments Consisting of Suits, Overcoats, Raincoats, Jackets, Trousers, and Tuxedos.
Claims use since 1908.

365,774. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALFRED J. BAILIE, Philadelphia, Pa. Filed Jan. 13, 1939. Serial No. 414,770.

Bailie
Spring-Rake

For Lawn Rakes.
Claims use since Aug. 10, 1933.

365,775. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GREIG, LAWRENCE & HOYT, LTD., New York, N. Y. Filed Jan. 23, 1939. Serial No. 415,201.

Glen Strae

For Scotch Whiskey.
Claims use since June, 1936.

LABELS

REGISTERED MARCH 14, 1939

52,626.—*Title:* GROUND GAINER SHOE. For Boxes. SAMUEL BRILLIANT & Co., Boston, Mass. Published December 13, 1938.

52,627.—*Title:* WINGS. For Cigarettes. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Published February 9, 1939.

52,628.—*Title:* HILL'S HEALTH SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published February 23, 1937.

52,629.—*Title:* THOMAS STYLED "SHOES YOU'LL LIKE." For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,630.—*Title:* SMART SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,631.—*Title:* SOUTHERN SHOE STORES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,632.—*Title:* ARCH ACCENT SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,633.—*Title:* BUTLER & KEMP—SHOES YOU'LL LIKE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,634.—*Title:* ROOKWOOD SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,635.—*Title:* RICHARDS ARCADE SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published November 15, 1937.

52,636.—*Title:* CREAM OF WHEAT. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 1, 1938.

52,637.—*Title:* NUTS, FRUITS & CREAMS. For Chocolates. DAGGETT CHOCOLATE COMPANY, Cambridge, Mass. Published January 17, 1939.

52,638.—*Title:* BACHELOR BLEND. For Tobacco. M. F. DE BARY, Newton Center, Mass. Published January 20, 1939.

52,639.—*Title:* OLD MEDLEY. For Kentucky Straight Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Published December 30, 1938.

52,640.—*Title:* WONDER BAR. For Chocolate and Cocoanut Bars. E & Z CANDY COMPANY, Detroit, Mich. Published January 25, 1939.

52,641.—*Title:* SPERRY WHEAT HEARTS. For Cereal Breakfast Food. GENERAL MILLS, INC., Minneapolis, Minn. Published December 29, 1938.

52,642.—*Title:* SPERRY WHEAT HEARTS. For Cereal Breakfast Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 17, 1938.

52,643.—*Title:* SPERRY PANCAKE AND WAFFLE FLOUR. For Pancake and Waffle Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published December 29, 1938.

52,644.—*Title:* SPERRY PANCAKE AND WAFFLE FLOUR. For Pancake and Waffle Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 9, 1938.

52,645.—*Title:* TRELLIS. For Canned Peas. GOPHER STATE CANNERIES, INC., Le Sueur, Minn. Published August 26, 1937.

52,646.—*Title:* HONEY-KRUST. For Bread. GROCERS BAKING COMPANY, INCORPORATED, Louisville, Ky. Published October 27, 1938.

52,647.—*Title:* HEILEMAN'S OLD STYLE LAGER. For Lager Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published May 1, 1937.

52,648.—*Title:* HEILEMAN'S BEER OLD STYLE LAGER. For Lager Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published September 22, 1937.

52,649.—*Title:* KEMP'S MIXED NUT CRISP. For Mixed Nut Crisp. E. F. KEMP, INC., Somerville, Mass. Published November 26, 1938.

52,650.—*Title:* NU GLAZE. For a Glazing Compound. MACKLANBURG-DUNCAN COMPANY, Oklahoma City, Okla. Published November 1, 1938.

52,651.—*Title:* HIGHLAND DAIRY ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published February 9, 1939.

52,652.—*Title:* NUTS & CHEWS. For Candy. PAGE & SHAW INC., Cambridge, Mass. Published January 10, 1939.

52,653.—*Title:* PALMER. For Old English Style Root Beer. SAMUEL C. PALMER CO., INC., Washington, D. C. Published February 9, 1939.

52,654.—*Title:* SALERNO DE LUXE KRAKERS. For Crackers. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published February 6, 1939.

52,655.—*Title:* RAISIN-BRAN. For a Breakfast Cereal. LLOYD M. SKINNER, doing business as The Skinner Manufacturing Company, Omaha, Nebr. Published November 15, 1938.

52,656.—*Title:* LILY OF THE VALLEY APPLE JUICE. For Canned Apple Juice. SNIDER PACKING CORPORATION, Rochester, N. Y. Published October 27, 1938.

52,657.—*Title:* LILY OF THE VALLEY TOMATO JUICE. For Canned Tomato Juice. SNIDER PACKING CORPORATION, Rochester, N. Y. Published November 10, 1938.

52,658.—*Title:* SNIDER GARDEN SPINACH. For Canned Spinach. SNIDER PACKING CORPORATION, Rochester, N. Y. Published September 12, 1938.

52,659.—*Title:* LILY OF THE VALLEY SWEET GARDEN PEAS. For Canned Peas. SNIDER PACKING CORPORATION, Rochester, N. Y. Published July 14, 1938.

52,660.—*Title:* SNIDER PITTED RED CHERRIES—WATER PACK. For Canned Cherries. SNIDER PACKING CORPORATION, Rochester, N. Y. Published November 21, 1938.

52,661.—*Title:* SNIDER APPLE SAUCE. For Canned Apple Sauce. SNIDER PACKING CORPORATION, Rochester, N. Y. Published December 29, 1938.

52,662.—*Title:* SNIDER GOLDEN PUMPKIN. For Canned Pumpkin. SNIDER PACKING CORPORATION, Rochester, N. Y. Published October 17, 1938.

52,663.—*Title:* SNIDER SELECTED SLICED GARDEN BEETS. For Canned Sliced Beets. SNIDER PACKING CORPORATION, Rochester, N. Y. Published December 29, 1938.

52,664.—*Title:* TYTECOTE. For Rapid Grip Tape. UNITED PAPER COMPANY, Braintree and East Braintree, Mass. Published August 17, 1937.

PRINTS

REGISTERED MARCH 14, 1939

17,270.—*Title:* $10,002 IN CASH PRIZES—FOR NAMING BAKING SUBJECTS IN THE SACKS OF GOLD MEDAL FLOUR! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published February 5, 1939.

17,271.—*Title:* UTTERLY NEW HOT CEREAL TAKES DENVER BY STORM. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published January 19, 1939.

17,272.—*Title:* FREE AT YOUR GROCER'S . . . AN EXQUISITE, GENUINE "CARNIVAL-WARE" MILK & CREAM PITCHER. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published January 19, 1939.

17,273.—*Title:* THIS BIG PACKAGE OF CORN KIX FOR 1¢. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published January 29, 1939.

17,274.—*Title:* HEALTH SPOT SHOES SUPPORT—BALANCE AND EQUALIZE THE WEIGHT OF YOUR BODY IN YOUR FEET, EVERY NERVE OF YOUR BODY IS CONNECTED WITH YOUR FEET, WEAK-INROLLING FEET PRESS UPON SENSITIVE NERVE CENTERS IN YOUR FEET. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published February 1, 1939.

17,275.—*Title:* INDIAN CHECKERS BOARD SHOWING LAYOUT OF CHARACTERIZED CHECKERS ALL SET FOR PLAYING 13 GAMES IN 1. For a Game. THOMAS J. NEWLIN, doing business as Indian Checkers Co., Los Angeles, Calif. Published December 30, 1938.

17,276.—*Title:* MAXIS. For Clothes. MAX ROSENFELD, doing business as Maxis Clothes Shop, Brooklyn, N. Y. Published December 20, 1938.

17,277.—*Title:* CHAMPIONS. For Cup Cakes. TASTY BAKING COMPANY, Philadelphia, Pa. Published February 10, 1939.

REISSUES

MARCH 14, 1939

21,027
FEEDING HEAD FOR RECIPROCATING OR SHAKER CONVEYERS

Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,127,902, dated August 23, 1938, Serial No. 49,157, November 11, 1935. Application for reissue November 14, 1938, Serial No. 240,352

16 Claims. (Cl. 198—220)



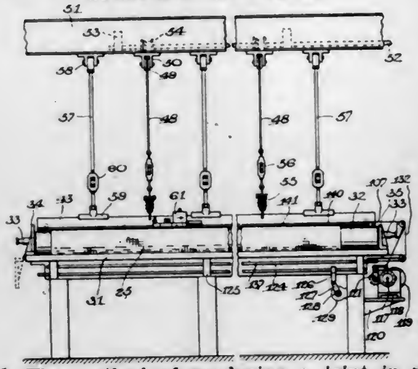
1. In a shaker conveyer, an extensible trough section wholly supported on the ground adjacent its forward and rearward ends independently of the remainder of the conveyer, and a reciprocating trough section supported on said extensible trough section for reciprocable movement therealong in such a manner as to be freely movable therealong and cause an increase in the frictional resistance of said extensible trough section against the ground, said reciprocating trough section having feed control means pivotally connected to the forward end thereof and extending in advance thereof and adapted to selectively grip said extensible trough section and cause it to move with said reciprocating trough section or permit said reciprocating trough section to freely move along said extensible trough section.

21,028
METHOD AND APPARATUS FOR JOINING WIRE CLOTH

William E. Buchanan, Appleton, Wis., assignor to Appleton Wire Works, Inc., Appleton, Wis., a corporation of Wisconsin

Original No. 2,078,369, dated April 27, 1937, Serial No. 725,559, May 14, 1934. Application for reissue July 23, 1938, Serial No. 221,027

29 Claims. (Cl. 140—3)



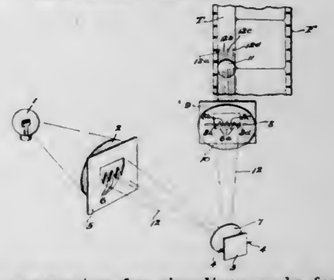
1. The method of producing a joint in wire cloth, which consists in holding two cloth ends in adjacent relation with their edges spaced apart, progressively guiding a strand to a position between said edges, progressively bringing the cloth edges against said strand, and uniting the cloth edges and interposed strand by the application of heat.

21,029
METHOD OF AND MEANS FOR RECORDING SOUND

Glenn L. Dimmick, Audubon, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original No. 1,999,721, dated April 30, 1935, Serial No. 541,976, June 4, 1931. Application for reissue July 16, 1935, Serial No. 31,696

14 Claims. (Cl. 179—100.3)



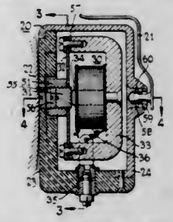
1. In apparatus for simultaneously forming a plurality of adjacent and identical variable-area sound tracks on a photographic medium, a light source, means responsive to sound for reflecting light from said source, means interposed between said light source and said light reflecting means for dividing a beam of light from said source into a plurality of defined light beams, a photosensitive surface, means interposed between said light reflecting means and said photosensitive surface for modulating the light passing from said light reflecting means to said photosensitive surface, and means for projecting the sound-modulated light beams onto said photosensitive surface.

21,030
BONE CONDUCTION HEARING DEVICE

Emil H. Greibach, Brooklyn, N. Y.

Original No. 2,127,468, dated August 16, 1938, Serial No. 697,673, November 11, 1933. Reissue No. 20,896, dated October 25, 1938, Serial No. 228,191, September 2, 1938. This application for reissue December 23, 1938, Serial No. 247,492

61 Claims. (Cl. 179—107)

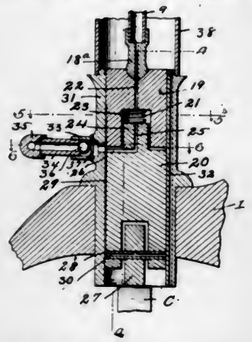


1. In a bone conduction hearing aid device suitable for inconspicuous wear by a deafened person, an elastically deformable vibratory member having two vibratory portions and means for actuating said vibratory member with electric oscillations substantially throughout the speech frequency range for producing corresponding vibrations of said vibratory portions, one of said

vibratory portions having a contact surface arranged to be held coupled under pressure to hearing inducing bones of the user and resiliently carrying the other of said vibratory portions, the resiliently carried vibratory portion having sufficient mass and exerting under the action of the elastic oscillations sufficient inertia reaction forces upon the coupled vibratory portion and therethrough upon the coupled bones of the user for imparting thereto the vibratory energy required for conducting corresponding vibrations through the bones to the inner ear of the user and induce intelligible hearing.

21,031
LUBRICATION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Martin J. Schenk, Chicago, Ill., assignor, by direct and mesne assignments, of thirty-three and one-third per cent to R. Picard, Chicago, Ill.
Original No. 1,815,868, dated July 21, 1931, Serial No. 400,383, October 17, 1929. Application for reissue December 27, 1938, Serial No. 248,009
22 Claims. (Cl. 184—6)

1. A lubricating system for internal combustion engines, having valves, a rocker arm for each valve, a push rod for each rocker arm, means for actuating the push rod, a lubricant supply, means for delivering lubricant under pressure to the joints between the rocker arm and push rod and



the valve and rocker arm and back to the supply, and other means for increasing the pressure of the lubricant delivered to the joints when the push rod is moved in one direction, without affecting the pressure in the supply.

PLANT PATENTS

GRANTED MARCH 14, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

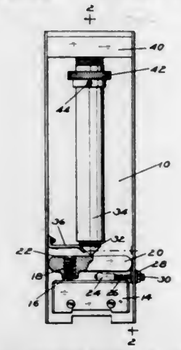
318
KNIPHOFIA OR TRITOMA
John James Grullemans, Mentor, Ohio, assignor to Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
Application August 12, 1938, Serial No. 224,528
1 Claim. (Cl. 47—60)

A new and distinct variety of kniphofia plant as described and characterized by its hardiness and its relatively early and profuse flowering habit of bearing spikes having a substantial upper portion of coral red flowers and the remaining portion of white flowers, which coral red portion of the spike changes in part to white during the development of the spike until a trace of coral red color remains at its tip.

PATENTS

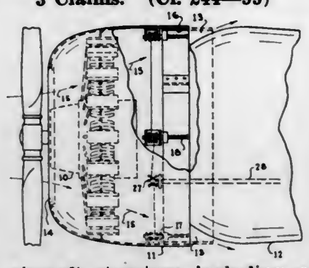
GRANTED MARCH 14, 1939

2,150,142
THERMAL CONTROL
Kemper P. Brace, South Bend, Ind., assignor to International Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application August 21, 1936, Serial No. 97,103
3 Claims. (Cl. 200—137)



1. A control comprising a support having mounted thereon a switch having a casing formed with a flat top and having near one end an operating part, a block having a flat lower face slidably resting on said flat top and having a knife-edge fulcrum on its upper face, means engaging said block and said support and operable to adjust said block along the switch casing toward and from said operating part, and an operating lever fulcrumed on said knife-edge fulcrum and acting on said operating part.

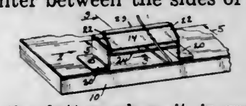
2,150,143
AIRCRAFT CONSTRUCTION
Parks M. Adams, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application October 29, 1936, Serial No. 108,207
3 Claims. (Cl. 244—55)



2. An aircraft structure including a nacelle, a cowling positioned forward of said nacelle and providing a passage therebetween, and means including an annular band member for adjusting the said passageway.

2,150,144
HAIRPIN OPENER
Margaret R. Andersen, Genoa, Colo.
Application February 4, 1937, Serial No. 123,970
9 Claims. (Cl. 132—1)

1. A hairpin opener, comprising in combination, an anchoring device, a spreader element non-movably attached to the anchoring device, and a guide member carried by the anchoring device and spaced a short distance from one side of the spreader to position the open end of a hairpin with respect to the spreader so that the latter will enter between the sides of the hairpin

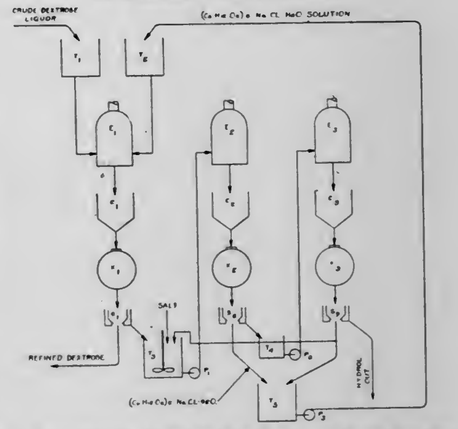


and spread the latter when it is moved in the direction of its length and transversely of the spreader.

2,150,145
PROCESS OF SMELTING METALS FROM ORES
Julian Miles Avery, Greenwich, Conn., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application February 11, 1935, Serial No. 6,097
5 Claims. (Cl. 75—11)

1. Process for treating manganese-bearing and ferruginous ores for the simultaneous production in a single smelting step of a useful grade of pig iron and a rich manganese slag, which process comprises smelting in an electric furnace of the submerged arc-resistance type a charge containing oxides of iron and manganese carbonaceous reducing agent in approximately that proportion which is required to reduce to metallic iron substantially all of the iron oxide contained in the charge, said charge further containing at least fifteen per cent by weight of iron oxide, and manganese in the ratio of at least one part and not more than 2.6 parts of manganese oxide to each part of silica, said process being further characterized by the fact that the power density used in the furnace is less than about three horsepower per square inch of active electrode area.

2,150,146
MANUFACTURE OF DEXTROSE
Thomas Harvie Barnard and Paul L. Stern, Clinton, Iowa, assignors to Clinton Company, Clinton, Iowa, a corporation of Iowa
Application October 20, 1934, Serial No. 749,146
Renewed August 8, 1938
12 Claims. (Cl. 127—46)



4. A method of obtaining dextrose from an im-

pure dextrose-containing liquor comprising dissolving dextrose sodium chloride in said liquor but not in amount exceeding the weight of the dextrose already present in said liquor, and subsequently effecting supersaturation of the resulting liquor and crystallization of the dextrose, and separating the latter from the liquor.

2,150,147

COMPOSITION OF MATTER AND METHOD OF MAKING

Albert Henry Bowen and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application August 7, 1935, Serial No. 35,220

6 Claims. (Cl. 260—3)

1. A process of forming substantially clear stable liquid condensation products which comprises reacting zinc chloride, urea and formalin, the zinc chloride being present in amount below six parts thereof to each one hundred parts of urea, and counteracting the acidity of the formalin before the reaction in accordance with the extent to which the zinc chloride is present below six parts thereof to each one hundred parts of urea.

2,150,148

WATER SOLUBLE RESINOUS CONDENSATION PRODUCTS

Albert Henry Bowen and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application August 13, 1936, Serial No. 95,936

3 Claims. (Cl. 134—23.3)

3. The process of treating a liquor resulting from the reaction of $ZnCl_2$, urea and formalin, the $ZnCl_2$ being present in from 2–57 parts thereof to each 100 parts of urea and 230–300 parts formalin, which comprises spray drying the same at a temperature of about 175° F. to produce a powder, and cooling the powder to room temperature as fast as it is dried while selectively regulating the amount of heat treatment to produce a powder which is adapted to form a spreadable glue solution in either cold or hot water and has a predetermined water requirement in relation to the amount of heat treatment which can be as low as 0.3 pound of water for each pound of glue powder.

2,150,149

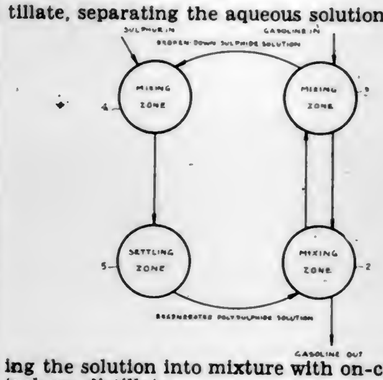
TREATMENT OF PETROLEUM DISTILLATES

Robert E. Burk and Everett C. Hughes, Cleveland, Ohio, assignors to Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application March 5, 1936, Serial No. 67,321

2 Claims. (Cl. 196—30)

1. A process of treating petroleum distillates for undesired sulphur compounds, which comprises circulating in a closed circuit an aqueous alkali solution of sodium polysulphides through a series of mixing zones, while contacting the petroleum distillate with the aqueous solution of sodium polysulphides at one part of its closed circuit for reaction on mercaptan compounds, then separating the altered aqueous solution from the distillate, and applying elemental sulphur to the aqueous solution when thus apart from the distillate, separating the aqueous solution and cycling the solution into mixture with on-coming petroleum distillate.



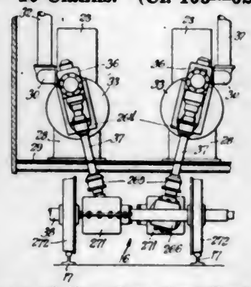
2,150,150

SELECTIVE DRIVE MECHANISM

Robert J. Burrows, Battle Creek, Robert Lapsley, Berrien Springs, and Alfred O. Williams, Battle Creek, Mich., assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application January 11, 1936, Serial No. 58,712

10 Claims. (Cl. 105—62)



1. In a car of the class described, a car body, a pair of trucks beneath said body for supporting said body for movement, each of said trucks comprising a pair of parallel spaced driving axles, wheels at the opposite ends of each of said axles, a pair of laterally spaced independent gear sets carried by each of said trucks between said axles, angularly and upwardly extending drive means connected to each of said sets and projecting into the car body in laterally spaced relation, drive transmitting means extending horizontally from each of said gear sets to a corresponding axle, power units spaced in pairs longitudinally within said car body, and hydraulic transmission means between each of said units and the projecting end of each one of said drive transmitting means.

2,150,151

SELECTIVE DRIVE MECHANISM

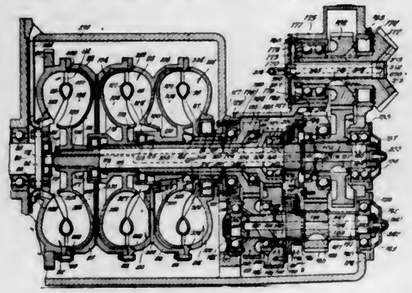
Robert J. Burrows, Battle Creek, Robert Lapsley, Berrien Springs, and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Original application January 11, 1936, Serial No. 58,712. Divided and this application August 7, 1937, Serial No. 157,856

13 Claims. (Cl. 60—54)

1. In combination, a clutch housing, a plurality of coaxially spaced hydraulic couplings

therein, a sleeve member mounted coaxially thereof at one end of said housing, said sleeve member having longitudinal passages therein, ports for certain of said passages opening into



one of said couplings, ports for other of said passages opening into another of said couplings, separate lateral inlet openings for each set of ports, and means for selectively admitting fluid under pressure to said inlet openings.

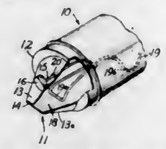
2,150,152

CONTAINER

Clinton Campbell, Stamford, Conn.

Application January 23, 1937, Serial No. 121,969

11 Claims. (Cl. 221—66)



1. Method of dispensing powdered material from a container having a restricted dispensing opening which comprises moving a mass of powdered material over said opening, moving a pusher through said mass of powder away from a position covering the opening, disturbing the powder to cause it to move into the space vacated by the retracted pusher to pack over said restricted opening, and moving the pusher toward said restricted opening to push the powdered material before it through said opening.

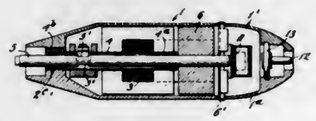
2,150,153

MAGNETIC MOTOR FOR ELECTRIC RAZORS OR THE LIKE

Thaddeus S. Casner, Plainfield, N. J., assignor to Casner Patents, Inc., a corporation of Delaware

Application February 12, 1938, Serial No. 190,167

7 Claims. (Cl. 172—36)



1. An electro-magnetic motor unit for electric razors and the like embodying, in combination, a skeleton-frame comprising a polar field member and a shaft-supporting tubular member connected thereto, said polar field member having a body portion provided with pole-surfaces extending in one direction and said shaft-supporting tubular member projecting from said body portion in a direction opposite to said pole-surfaces, an operating shaft supported in said tubular member, an armature mounted on said shaft and rotatable between said pole-surfaces of the field member, a circuit breaker, means on said shaft for operating said circuit breaker, windings on said field member, an electric circuit connected with said windings, and means on said shaft for actuating a razor or the like.

2,150,154

PRODUCTION OF SECONDARY ALKYLIDENE CYANOACETIC ESTERS

Arthur C. Cope, Bryn Mawr, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application June 19, 1937, Serial No. 149,139

14 Claims. (Cl. 260—464)

1. The process of producing secondary alkylidene cyanoacetic esters which comprises reacting a ketone with a cyanoacetic ester in the presence of a compound of the class consisting of soluble salts and acid amides.

2,150,155

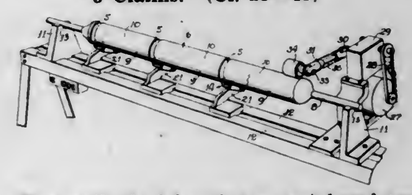
METHOD OF GROOVING INKING ROLLS

Arthur B. Davis, Springfield, Ohio, assignor to Ideal Roller & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 23, 1935, Serial No. 55,879

Renewed December 8, 1937

3 Claims. (Cl. 18—48)



1. The method of forming a peripheral groove in a printer's roller having an inking surface composed of printer's composition or the like, said method comprising maintaining a source of heat at a temperature substantially above that at which said composition will melt and flow freely, continuously conducting heat from said source to a section of the surface composition corresponding in cross sectional shape and location to the groove to be formed, advancing the point of heat application around the roller at a rate such as to permit melting of the composition within said section to a free flowing state, and diverting the composition thus melted off from the roller.

2,150,156

LUBRICATING OIL

Melvin A. Dietrich, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 6, 1937, Serial No. 141,095

24 Claims. (Cl. 87—9)

1. A lubricant comprising a petroleum lubricating oil having incorporated therein a small amount of a hydrogenated castor oil derivative having a softening point between about 70° F. and about 160° F., said hydrogenated castor oil derivative being the product of the reaction of hydrogenated castor oil with a neutral compound containing at least 6 carbon atoms selected from the class consisting of alcohols, aldehydes, isocyanates and isothiocyanates.

2,150,157
DUSTPROOF VENTILATOR
Harrison Franklin, Oklahoma City, Okla.
Application August 17, 1936, Serial No. 96,462
4 Claims. (Cl. 123—198)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



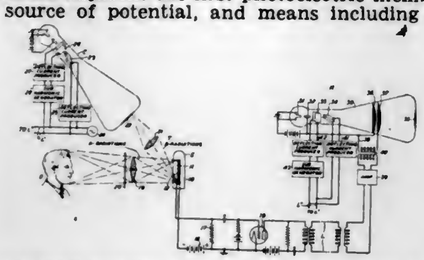
2. In combination with an engine having an outlet perforation through which it is desired to ventilate the engine, a device of the class described comprising a tapered hood portion open only at one end, having its main body portion rigidly secured and sealed against the portion of said engine immediately adjacent said outlet, and having its open end opening in a direction opposite to the normal direction of travel of the engine, whereby air passing said opening causes a suction from the interior of said engine through the outlet and through said hooded portion; and a mass of fibrous material substantially loosely filling said hooded portion so as to shut off any direct communication between the interior of said engine and the outside atmosphere.

2,150,158
METHOD FOR THE MANUFACTURE OF PROPIONIC ALDEHYDE
Milton Gallagher and Rudolph Leonard Hasche, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 3, 1936, Serial No. 88,822
9 Claims. (Cl. 260—601)

1. A process for the production of a saturated aliphatic aldehyde, which comprises reacting two different aliphatic aldehydes, each having a lesser number of carbon atoms in the molecule than the aldehyde to be produced, in the presence of a catalyst, maintaining conditions at least part of the time whereby the reaction will take place in the vapor phase to yield a reaction mixture containing an unsaturated aldehyde, at least one saturated aldehyde and water, continuously subjecting this reaction mixture in the vapor phase to a treatment which causes hydrogenation of substantially only the unsaturated aldehyde to the desired aldehyde, and separating the desired aldehyde from the reaction mixture.

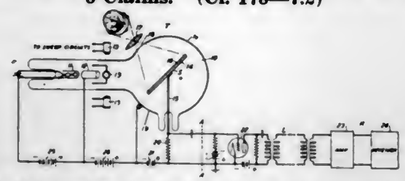
2,150,159
ELECTRO-OPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1936, Serial No. 67,059
4 Claims. (Cl. 178—7.2)

1. An electro-optical system comprising a thin plate-like photoelectric member appreciably sensitive only to radiations of a certain wave-length range, a second thin plate-like photoelectric member appreciably sensitive only to radiations of a different wave-length range, said first member being at least partially transparent to radiations within said second range, said photoelectric members being contiguous to each other, means for impressing radiations of both said ranges simultaneously on both said members from the side on which said first member is located, said means comprising means for projecting an image on an object field on said members with radiations of one of said ranges, and means for scanning said members element by element with radiations of the other of said ranges, a conductive element adjacent the first photoelectric member, a source of potential, and means including an



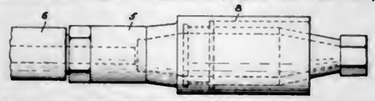
impedance element for completing a circuit from said conductive element through said source of potential to all portions of said second photoelectric member, whereby radiations of one of said ranges act on one only of said photoelectric members to condition the system and radiations of the other of said ranges act on the other only of said photoelectric members to cause the formation of a signal current in said impedance element.

2,150,160
ELECTRO-OPTICAL SYSTEM
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 4, 1936, Serial No. 67,062
8 Claims. (Cl. 178—7.2)



8. An image current producer comprising a layer of photo-conducting material, means for illuminating a surface of said layer with light controlled by an object field, a photo-emissive member cooperating with said layer, and means for causing said member to be scanned by a beam of light to produce a scanning beam of electrons directed toward said layer.

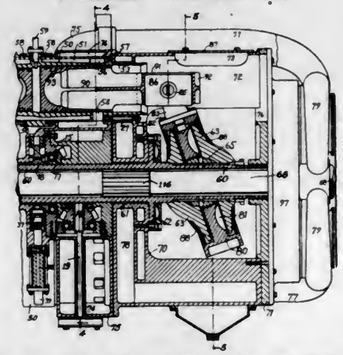
2,150,161
MUZZLE ATTACHMENT FOR GUNS
Samuel G. Green, Gray, Ga.
Application October 16, 1936, Serial No. 105,947
6 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A muzzle attachment for a gun comprising an outer tube securable to an element of a gun, said tube having a conical forwardly flared wall forming a chamber, an inner tube secured to the outer tube forwardly of said chamber and spaced

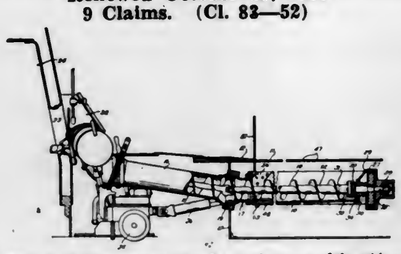
from the outer tube to provide an annular chamber, the inner tube having a cylindrical portion forming an expansion chamber in continuation of the flared chamber and a tapered contracted portion forming a chamber with an axial outlet, the cylindrical portion of the inner tube also having apertures increasing in size from rear to front and leading to the annular chamber.

2,150,162
INTERNAL COMBUSTION ENGINE
Edwin S. Hall, New Haven, Conn.
Application March 23, 1936, Serial No. 70,216
6 Claims. (Cl. 123—58)



1. In an opposed-piston barrel engine, a construction for the fixed parts of said engine comprising engine casing members, chambers in said casing members for the cooling fluid of said engine, individual cylinder members arranged parallel to each other and to the main axis of said engine and extending from one of said casing members to the other, annular water jackets on said individual cylinder members, said chambers in communication with and forming water manifolds for said annular water jackets, intake ports toward one end and exhaust ports toward the other end of each of said cylinder members said ports extending thru said annular water jackets with intervening axial water passages, a pressure chamber or windchest formed in one of said casing members and enclosing the intake port portions of said individual cylinder members and in common communication with said intake ports, and individual exhaust collectors enclosing and associated with the exhaust port portion of each of said individual cylinder members.

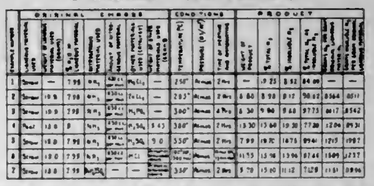
2,150,163
STOKER CONSTRUCTION
William Thompson Hanna, Cincinnati, Ohio
Application June 9, 1930, Serial No. 459,996
Renewed October 29, 1936
9 Claims. (Cl. 82—52)



1. In a locomotive stoker, in combination, a fuel hopper having a portion arranged in the

form of a trough, a spiral conveyor mounted for rotation within said trough, a crushing device mounted within said trough adjacent the delivery end thereof and partially encompassing said conveyor, and a door hinged to open and close an opening in the bottom wall of said trough adjacent the delivery end thereof and having its inner face arranged to provide bearing support for said conveyor.

2,150,164
FERTILIZER
Sheldon B. Heath and John W. Corey, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 18, 1934, Serial No. 758,133
8 Claims. (Cl. 71—23)



1. In a method of making a fertilizer, the step which consists in heating a solid porous organic material to a temperature above 250° C. with ammonia and a strong mineral acid.

6. In a method of making a fertilizer, the step which consists in heating a mixture of peat and ammonium sulphate to a temperature of at least 250° C. at atmospheric pressure.

2,150,165
MOTION PICTURE APPARATUS FOR PROJECTING COMPOSITE SCREEN IMAGES
Arthur J. Holman, East Orange, N. J.
Application January 28, 1935, Serial No. 3,786
3 Claims. (Cl. 88—16.6)



1. An optical system for projecting a composite screen image from full frame pictures arranged in standard fashion on a single film strip, comprising a sphero-cylindrical condenser adapted and arranged to illuminate efficiently a three frame aperture, a sphero-cylindrical gate lens adapted and arranged to neutralize the astigmatism of said condenser at or near the nodal point of the objective, a curved aperture plate having an aperture three frames high, an objective with components adjustable to compensate for film shrinkage and an optical economizer, all arranged substantially as specified and as illustrated.

2,150,166
SILICON CARBIDE PRODUCT AND METHOD OF MAKING THE SAME
Otis Hutchins, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application September 23, 1935, Serial No. 41,833
8 Claims. (Cl. 51—278)

1. The method of coating silicon carbide granules with silica comprising coating such granules with a metallic oxide, roasting and tumbling such

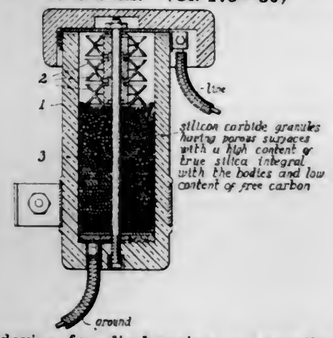
granules until the surfaces thereof are converted into mat layers containing silica in amount greater than one percent of the weight of the granules and a low percentage of carbon, washing the granules with acid, and subjecting the granules to magnetic force to remove magnetic particles therefrom whereby there is formed a mass of loose silicon carbide granules each of which has a surface coating of silica integrally united thereto.

2,150,167

CURRENT CONTROL AND DISCHARGE OF TRANSIENT OVERVOLTAGES

Otis Hutchins, Niagara Falls, N. Y., and John Robert McFarlin, Philadelphia, Pa., assignors, by direct and mesne assignments, to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 23, 1935, Serial No. 41,834
17 Claims. (Cl. 175—30)



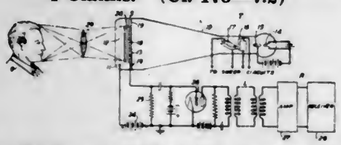
4. A device for discharging or equalizing excessive electrical potentials for protective purposes comprising a body of granules having silicon carbide bodies and having porous surfaces containing silica integral with the bodies and devoid of free carbon in excess of .05%.

2,150,168

ELECTRO-OPTICAL SYSTEM

Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 4, 1936, Serial No. 67,011
4 Claims. (Cl. 178—7.2)



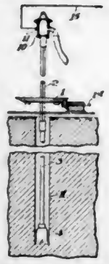
1. An electro-optical system including a cathode ray tube comprising a cathode, an anode, a fluorescent screen, an assembly adjacent to and cooperating with said cathode ray tube comprising a composite target and a light transmitting anode, said target comprising a layer of discrete photo-conducting members of high specific resistance, a film of discrete photo-emissive members, and means for conductively connecting each photo-conducting member to its corresponding photo-emissive member, means for imaging an object field upon said photo-emissive members to cause emission of electrons from each photo-emissive member to the light transmitting anode to thereby impart a positive charge to each member in accordance with the light-tone value of the corresponding elemental area of an object or field of view, said photo-conducting members being of such high specific resistance in the dark that they act substantially as insulators when the light thereupon is weak to prevent passage of the charges through the photo-conducting members, means for preventing the photo-conducting members from being exposed to radiations from the object, and said fluorescent screen being mounted closely adjacent and parallel to said layer of photo-conducting members to cause the light from said screen to render them conducting in turn each for a period very short compared to the period when said positive charge is accumulating so that said positive charges are successively caused to pass through the photo-conducting members to thereby control the flow of an image current.

2,150,169

METHOD AND APPARATUS FOR CONTINUOUS EXPLORATION OF BORE HOLES

John Jay Jakosky, Los Angeles, Calif.

Application March 9, 1937, Serial No. 129,839
17 Claims. (Cl. 175—182)



1. A method for determining variations in an electrical property of the strata at different depths traversed by a bore hole during the process of drilling said bore hole, which comprises: taking a measurement of an electrical variable in an electrical circuit comprising a drilling apparatus extending within a bore hole and serving as an electrode, another electrode connected to the earth at a position removed from said bore hole, and the portion of the earth included electrically between said electrodes; and repeating such measurement as said drilling apparatus is extended to different depths, while maintaining said other electrode substantially at a fixed position, said drilling apparatus being exposed to electrical contact with the wall of said bore hole throughout substantially its entire length, and said other electrode being sufficiently distant from the bore hole so that the measurements obtained are influenced to an important degree by variations in an electrical property of the formation adjacent the lower end of the drilling apparatus.

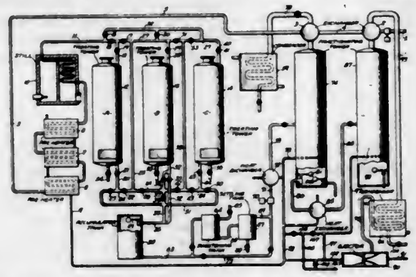
2,150,170

METHOD OF TREATING RAW GASOLINE DISTILLATES

William O. Keeling, Pittsburgh, Pa.

Application March 10, 1932, Serial No. 597,954
Renewed April 16, 1936
2 Claims. (Cl. 196—33)

1. A continuous process for treating hydrocarbons including the steps of heating hydrocarbons, passing the heated hydrocarbons through a series of beds of adsorbent material, including at all times one bed in the series but partly spent, and while still hot passing the hydrocarbons so treated in contact with sodium plumbite, settling the doctor treated hydrocarbons, and subsequently fractionating said hydrocarbons in two stages,



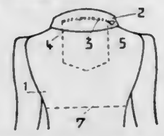
the first of said stages being under atmospheric pressure and the second of said stages being under subatmospheric pressure.

2,150,171

GARMENT WITH DISAPPEARING-TYPE HOOD

Erwin Max Kolly, Zurich, Switzerland

Application July 1, 1937, Serial No. 151,342
In Switzerland June 18, 1937
4 Claims. (Cl. 2—84)



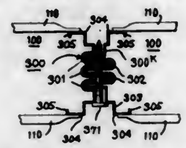
1. A garment of the character described, comprising a turned down collar, a horizontal slit through the neck portion of the garment and covered by the said collar, a hood or headcover permanently attached partly to the inside of the garment along the entire width of the said slit immediately below the bottom edge of the latter, and means for opening and closing the said slit; the whole in such an arrangement that the said hood is carried on the wearer's back, invisible from the outside, when not in use.

2,150,172

NAILABLE COMPOSITE STRUCTURAL MEMBER AND BUILDING UNIT

Guy F. Kotrbaty, Chestnut Hill, Pa., assignor to Ferrocon Corporation, Bryn Mawr, Pa., a corporation of Delaware

Application October 1, 1935, Serial No. 43,017, which in turn is a division of application Serial No. 758,345, December 30, 1934. Divided and this application October 4, 1937, Serial No. 167,247
8 Claims. (Cl. 189—34)



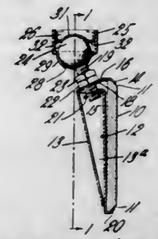
1. The improvements in composite stud members of self-supporting structural building units, comprising pleated end members of relatively thin sheet metal mating with like members of abutted structural units, and pierced by means driven through said mated end sections and interlocking the same.

2,150,173

SUPPORT

William La Hodny, Buffalo, N. Y., assignor to Standard Mirror Company, Inc., Buffalo, N. Y.

Application September 28, 1935, Serial No. 42,661
13 Claims. (Cl. 88—98)



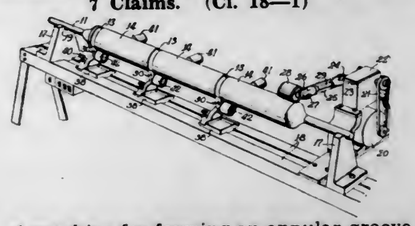
1. A support for a rear view mirror plate or article of similar shape, which comprises an element hooked at one end for engagement over an edge of said plate, formed to extend along a face of said plate towards the opposite edge of said plate, and between its ends spaced from said plate, another element hooked at one end for engagement over the opposite edge of said plate, extending along said face, and overrunning with the first element, and a supporting stud extending generally in the direction of overrunning movement of said elements as said elements move to clamp the edges of said plate between their hooked ends, said stud passing through and having rotatable bearing in the spaced portion of the first mentioned element and having a threaded end threaded through the other element, said stud having, between its ends, an abutment adjustable in a direction endwise along the stud and engaging the first mentioned element at the face thereof opposite from said plate, whereby upon turning said stud, said elements may be drawn in a direction to clamp the plate between the hooked ends, and by adjustment of the abutment the effective length of the stud away from said elements may be varied.

2,150,174

APPARATUS FOR SECTIONING OF INKING ROLLERS

Harry E. Lambert, Berwyn, Ill., assignor to Ideal Roller & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 6, 1936, Serial No. 57,733
7 Claims. (Cl. 18—1)

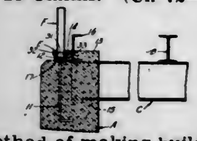


1. A machine for forming an annular groove in the composition surface of an inking roll having, in combination, means rotatably supporting said roll, a tool having an edge corresponding in length to the width of the groove to be formed and tending to move edgewise toward the axis of said roll, means for maintaining said edge heated to a temperature at which said composition will flow, and a follower movable with said edge and engageable with the peripheral surface of said composition and acting during rotation of the roll to determine the depth to which said edge may enter said composition.

2,150,175
GLUE AND METHOD OF MAKING
Irving F. Laucks and Glenn Davidson, Seattle, Wash., assignors to I. F. Laucks, Incorporated, Seattle, Wash., a corporation of Washington
No Drawing. Application October 4, 1928, Serial No. 310,428. Renewed January 7, 1938
10 Claims. (Cl. 134—23.8)

1. A glue composition, comprising a vegetable protein material, an agent providing a sulfur derivative of carbonic acid, casein, and caustic soda sufficient to control thickening.

2,150,176
METHOD OF MAKING BUILDING FOUNDATIONS
Austin T. Levy, Harrisville, R. I.
Application October 15, 1936, Serial No. 105,722
13 Claims. (Cl. 72—77)



1. The method of making building foundations which comprises supporting a horizontal structural member so that its end is in a laterally projecting position, connecting a sill member to said end, and then forming a concrete wall which supports said sill member and embeds the end of said structural member.

2,150,177
LUBRICATING OIL
Bert H. Lincoln and Gordon D. Byrkit, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application April 15, 1935, Serial No. 16,410
3 Claims. (Cl. 87—9)

1. A lubricating oil comprising in combination a hydrocarbon oil and a small percentage of an oil soluble, phenylated, chlorinated, aliphatic hydrocarbon containing the following structure:



in which A represents an aryl group.

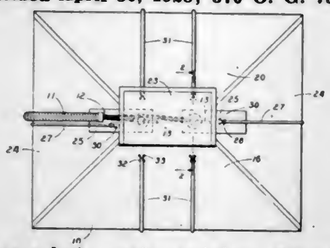
2,150,178
SPONGE RUBBER AND PROCESS OF MAKING SAME
Frederick J. Maywald and Frederick J. Maywald, Jr., Rutherford, N. J.
Application May 4, 1936, Serial No. 77,809
12 Claims. (Cl. 18—53)



1. Process of making fiber reinforced sponge rubber which comprises subjecting fibers to an oily body of a type and quantity capable of rendering the fibers slippery, mixing the slippery fibers into rubber, adding a blowing agent and curing.

4. Process of making fiber reinforced sponge rubber which comprises breaking down rubber on a mill, adding fibers of spinnable length and texture to the rubber on the mill in the presence of a lubricant of a type and quantity capable of rendering the fibers slippery, milling the batch to cause the slippery fibers to be distributed substantially unbroken throughout the rubber, adding a blowing agent, and curing.

2,150,179
PARACHUTE PACK CONTAINER
Francis McCarroll, United States Navy
Application September 26, 1938, Serial No. 231,773
4 Claims. (Cl. 244—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A parachute pack container flap-opening device wherein an upper flap has a grommet releasably secured by a rip cord pin extending through an aperture in a cone secured to a lower flap, the upper flap being also provided with a protecting flap folded over the grommet and cone and including elastic means anchored at one end to the lower flap, anchorage means for the other end of said elastic means secured to the protecting flap adjacent the end thereof.

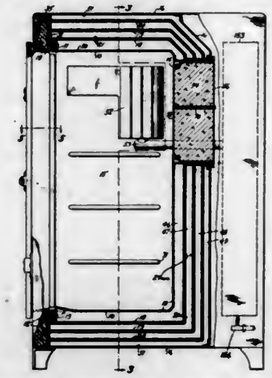
2,150,180
AZO COMPOUNDS
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application May 12, 1936, Serial No. 79,349
15 Claims. (Cl. 260—44.6)

9. The azo dyes having the general formula: X—N=N—Y wherein X represents the radical of an azo component selected from the group consisting of the benzene and naphthalene series and Y represents the residue of a compound selected from the group consisting of 1-aryl-3,5-diketopyrazolidines and 1-aryl-5-imino-3-ketopyrazolidines, wherein the aryl residue represents an aryl residue selected from the group consisting of the benzene and naphthalene series.

2,150,181
REFRIGERATION
Carl Georg Munters, Stockholm, Sweden, assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden, a corporation of Sweden
Application March 31, 1934, Serial No. 718,392
In Sweden November 16, 1933
15 Claims. (Cl. 62—89)

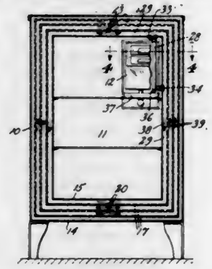
1. A refrigerator having a framework, an inner liner attached to said framework, an outer shell attached to said framework, and intermediate nested spaced self-sustaining cardboard boxes attached to said framework and having openings therein for movement of air, said openings being at different elevations, said liner having an opening in the lower part thereof below at least one of

the box openings and affording communication between the interior of the liner and a space adja-



cent one of said boxes, said boxes being surfaced with aluminum foil.

2,150,182
INSULATION
Carl Georg Munters, Stockholm, Sweden, assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden, a corporation of Sweden
Application March 12, 1936, Serial No. 68,391
In Sweden March 13, 1935
3 Claims. (Cl. 62—89)

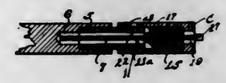


1. In a refrigerator cabinet, an inner shell open on a vertical side and having top, bottom and side walls and forming a food storage compartment, insulation outside of and spaced from said top, bottom and side walls and constructed and arranged to provide communicating vertical and horizontal interspaces, means to substantially seal the insulation exteriorly against inflow of air, air chilling means for cooling said food compartment, said inner shell and said insulation being apertured for circulation of air in a closed path including said food compartment and both horizontal and vertical interspaces, the horizontal and vertical inner spaces being so related that flow in horizontal interspaces is induced by flow in vertical spaces.

2,150,183
TREATMENT OF HYDROCARBONS
William A. Myers, Springfield, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 18, 1936, Serial No. 91,425
11 Claims. (Cl. 196—13)

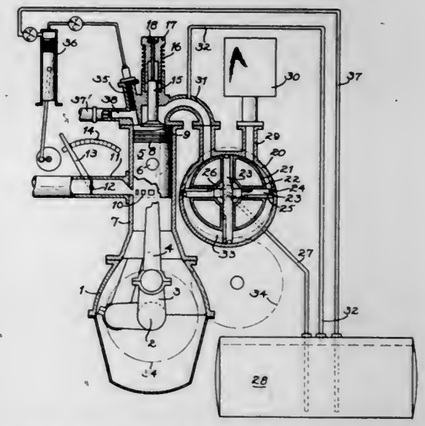
1. In the art of refining minerals oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively richer in paraffinic and naphthenic compounds by extracting said oil with a solvent mixture comprising nitrobenzene, o-nitrotoluene and diethyleneglycol mono-ethyl ether.

2,150,184
SCREW STARTER
George F. Pearson, Salt Lake City, Utah
Application April 7, 1936, Serial No. 73,122
2 Claims. (Cl. 145—50)



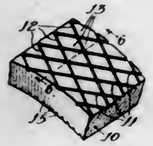
1. In a screw starter, the combination of a shaft equipped with a handle; a spring metal flat screw engaging blade secured therein; a cylindrical head surrounding said blade and the end of said shaft; spaced apart screw slot engaging blades on the end of the head with the flat spring blade carried operatively therebetween; a slot through one side of said head having a notch in one end on the handle side; a pin in said slot with the end in said shaft to allow the head to be partially rotated, slightly drawn out, and locked into set position in said notch ready to engage the slot engaging blades into the slot of a screw head; and a spring in said head secured thereto at one end and to the shaft at the other end, with the tension of the spring acting to rotate the head against the torsional urge of the spring blade when both the blades and blade are engaged in a screw slot.

2,150,185
TWO-CYCLE ENGINE
John Phillips, Oakland, Calif.
Original application June 13, 1934, Serial No. 730,420. Divided and this application December 13, 1935, Serial No. 54,248
8 Claims. (Cl. 123—65)



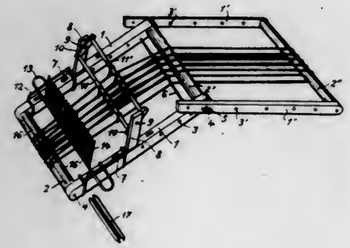
1. The method of operating an internal combustion engine which comprises externally compressing a charge of weak fuel-air mixture, storing said charge and simultaneously heating said charge, releasing said heated charge into a heated engine cylinder to still further increase its pressure, compressing said charge, and adding sufficient liquid fuel to said charge to cause ignition by heat of compression.

2,150,186
FIBROUS FRICTION ELEMENT
George E. Pope, Stratford, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application September 16, 1936, Serial No. 101,009
6 Claims. (Cl. 188—261)



1. An improved friction element of fibrous material having parallel edges and characterized by a uniformly interrupted relatively hard reinforced operating surface composed of a plurality of individual areas separated by two series of oppositely disposed intersecting channels extending from edge to edge at equal angles to the edges of the friction element.

2,150,187
HAND DRIVEN WEAVING LOOM FOR HOME WORK
Alice Henriques Raba and Georges Henriques Raba, Paris, France
Application February 3, 1937, Serial No. 123,938
In France February 5, 1936
5 Claims. (Cl. 139—33)



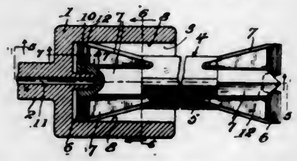
1. A loom to be operated by amateurs, comprising a frame whose outer cross pieces receive chain threads in order to make an endless chain layer, a comb and a rotary warp carrier device, carried by the frame, the frame being constituted of two sections, so as to permit its folding up in order to decrease the length of the loom when not in operation, one of the sections comprising two longitudinal bars connected at their ends by two round cross-pieces, and the other section comprising two longitudinal bars connected at one of their ends by a round cross-piece, the longitudinal bars of the two above mentioned sections having holes in order to permit fastening the bars of the second section on the bars of the first section, threaded rods and wing nuts about which the bars of the two sections may pivot, the said holes being in a sufficiently great number in the lateral bars in order to adjust the above mentioned sections with respect to each other so as to control the length of the work, the said longitudinal bars being fastened together by said threaded rods and wing nuts.

2,150,188
PROCESS FOR TREATMENT OF POROUS MATERIALS AND PRODUCT THEREOF
Hugh Fleanor Rippey, Auburn, and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
No Drawing. Application September 4, 1937, Serial No. 162,517
6 Claims. (Cl. 21—43)

1. The method of preventing grain raising on the surface of wood cut so as to expose a surface having annual rings exposing alternate bands of hard and soft grain, which consists in impregnating the surface with a thin solution of heat polymerized eleostearic acid dissolved in a non-water miscible solvent vehicle, the solid content of said solution being less than 30% and the viscosity of the solution being between 50 and 100 seconds (Saybolt Universal) 70° F., and penetrating substantially the whole surface to a depth of .002 inch to .005 inch whereby the surface of the bands of hard grain is not substantially coated with the solid contents of the solution.

5. A fir plywood panel faced with wood veneer of a species which exposes alternate bands of hard and soft grain and having the property of being substantially resistant to grain raising upon exposure to moisture, the cells of the outer surface of the panel to a depth of from .002" to .005" being impregnated with a water resistant compound having a high content of heat polymerized eleostearic acid and the resistance to the abrasion of soft spring wood grain exposed on the surface being substantially equal to that of the alternating bands of hard grain, the surface of the bands of hard grain being not substantially coated with the solid contents of the compound and the impregnation being produced by a solution in a non-water miscible solvent having a solid content less than 40% and a viscosity between 50 and 100 seconds (Saybolt Universal) 70° F. whereby the surface is rendered resistant to grain raising by the presence of the compound as an impregnant within the wood cells which form the outer surface.

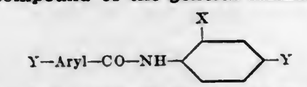
2,150,189
DRILL CHUCK FOR MINE DRILLING MACHINES
Erik Ronneberg, Lead, S. Dak.
Application January 17, 1938, Serial No. 185,429
1 Claim. (Cl. 255—63)



In combination with a drill bit having cutting means at each end, a chuck head having a socket to receive either end of the drill bit, said chuck head having grooves formed in the walls of the socket to receive either of the cutting means of the drill bit, means for releasably securing the drill bit in the socket of the chuck head, said grooves being of a cross sectional shape to protect either of the cutting means of the drill bit when positioned therein, said chuck head including an attaching shank having a fluid passage, and a nipple formed in the chuck head with the fluid passage extending therethrough to enter a fluid passage of the drill bit.

2,150,190
SUBSTITUTED BENZANILIDES AND THE PROCESS FOR THEIR PREPARATION
Swanie Siguard Rossander and Herman Wischman Mathieu, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1937, Serial No. 150,936
11 Claims. (Cl. 260—558)

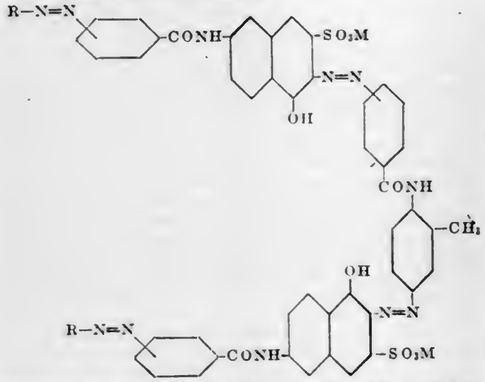
1. A compound of the general formula



wherein "Aryl" stands for a bivalent arylene radical of the group consisting of radicals of the benzene and naphthalene series, X stands for a member of the group consisting of alkyl and alkoxy radicals, while Y designates a member of the group consisting of nitro and amino radicals.

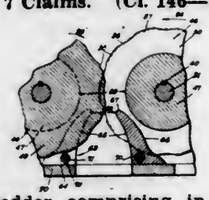
2,150,191
DISAZO DYES AND PROCESS OF MAKING SAME
Swanie Siguard Rossander, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1937, Serial No. 150,960
8 Claims. (Cl. 8—46)

3. A tetrakisazo dye having a structure corresponding, when in the form of an alkali-metal salt, to the general formula



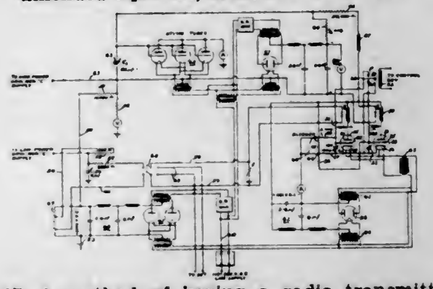
wherein R is a water-insolubilizing azo dye developing component, while M stands for an alkali metal.

2,150,192
SHREDDER
Walter Sander, Anaheim, Calif.
Application May 29, 1935, Serial No. 24,075
7 Claims. (Cl. 146—122)



1. A shredder comprising in combination a pair of parallel shafts, each shaft having a set of shredding disks secured thereto, the disks of each set having parallel side faces and having a peripheral edge formed of convex projections and contiguous concave depressions relative to the pitch circle of each disk, the projections and depressions of each set of disks being in longitudinal alignment, means to rotate the shafts to rotate the pitch circles of the disk at the same peripheral speed, the said disks overlapping, whereby the projections on one set align with the depressions on the complementary set in the plane of the two shafts, whereby the complementary projections and depressions operate to feed material through the shredding disks.

2,150,193
KEYING RADIO TRANSMITTER
Albert H. Taylor, Washington, D. C., and Leo C. Young, Hyattsville, Md.
Application February 23, 1937, Serial No. 126,960
21 Claims. (Cl. 178—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



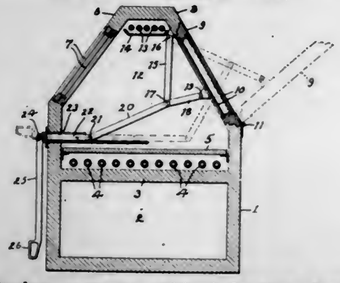
17. A method of keying a radio transmitter having at least a low voltage stage and a high voltage stage, both of which are normally blocked between the transmission of any two successive signal pulses, comprising the steps of gradually unblocking the said low voltage stage, gradually unblocking the said high voltage stage for an interval equal to the duration of full amplitude of the pulse to be transmitted, gradually blocking said high voltage stage and then gradually blocking said low voltage stage.

2,150,194
SELF-LOCKING NUT
Harold B. Thomas, Bloomfield, N. J., assignor to Elastic Stop Nut Corporation, a corporation of New Jersey
Application July 24, 1934, Serial No. 736,648
5 Claims. (Cl. 151—7)



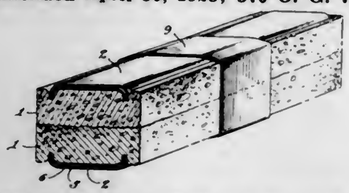
1. A self-locking nut comprising a metal base having a tapped opening extending therethrough providing metal threads adapted to engage a threaded member entering the base of the nut, a sheet of non-metallic elastic material superposed upon said metal base and having an untapped opening sufficiently smaller than the maximum diameter of the thread of said tapped opening to be unsuited for the entry into the untapped opening from the top of the nut of a thread of the proper size to cooperate with the tapped opening, said tapped and untapped openings being in registry, and bonding means between said metal base and said sheet for permanently securing the same together, said sheet having a marginal contour including face portions substantially registering with face portions of said base, whereby to permit like application of turning force to both said base and said strip upon application of a wrench to the nut.

2,150,195
REFRIGERATING DISPLAY CASE
Malcolm G. Valade, Ferndale, Mich.
Application December 19, 1936, Serial No. 116,741
1 Claim. (Cl. 312—139)



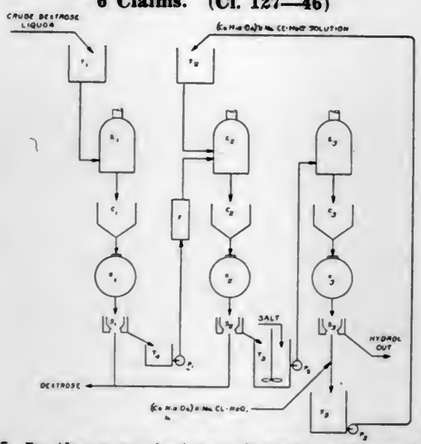
A display case or cabinet having front and rear side walls, with the upper portion of said front wall inclined rearwardly and provided with an opening, said cabinet forming a display chamber within the upper part thereof between said front and rear walls, a panel adapted to tightly close the opening in the front inclined wall of the cabinet, means for hingedly connecting the lower edge of said panel with the front wall of the cabinet for outward swinging movement, a pair of links pivotally connected together at their adjacent ends, with the opposite ends pivotally connected, one to the inclined front wall of the cabinet adjacent the upper edge of the opening therein and the other pivotally connected at its outer end to the inner side of the panel at a distance upwardly from its hinge support, a guide member mounted within an opening in the rear wall of the cabinet and extending therethrough, a short push bar slidable within said guide member, a long link pivotally connected at one end to the inner end of said short push bar and at its opposite end to the pivot connecting said links, and a long push bar pivotally connected to the outer projecting end of said short push bar and provided with a handle at its free end, the pivotal connection of said long bar with the outer end of said short bar being such as to permit said long bar to swing downwardly against the end of said guide member and lock said short bar and links against movement and said panel in closed position.

2,150,196
METHOD AND MEANS FOR ATTACHING SPONGY MATERIAL TO BACKINGS OR HOLDERS
Sidney P. Vaughn, San Diego, Calif.
Application November 25, 1936, Serial No. 112,786
8 Claims. (Cl. 300—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



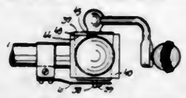
1. The method of adhesively securing spongy material to a backing which comprises mounting a sheet of foraminous material in spaced relation to the backing, interposing adhesive material between the spongy material and sheet, and pressing the spongy material and backing together so that the adhesive is caused to pass in part through the openings in the foraminous sheet and become interlocked therewith.

2,150,197
MANUFACTURE OF DEXTROSE
Roscoe C. Wagner and Paul L. Stern, Clinton, Iowa, assignors to Clinton Company, Clinton, Iowa, a corporation of Iowa
Application May 13, 1935, Serial No. 21,129
Renewed November 29, 1937
6 Claims. (Cl. 127—46)



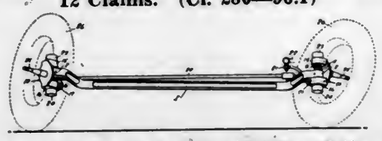
5. In the manufacture of dextrose from dextrose containing starch conversion liquors, the process which consists in subjecting the liquor and its derivatives to three separate crystallizations for removal of the dextrose content thereof comprising crystallizing and removing part of the dextrose directly from the original liquor, adding to the first hydrol a solution of dextrose sodium chloride produced in the process from previous batches of the liquor, the weight of dextrose sodium chloride so added being not greater than the weight of the dextrose already in the hydrol whereby pure dextrose is crystallized from said mixture, crystallizing and separating a yield of dextrose from said mixture adding to the second hydrol thereafter remaining sodium chloride in such proportion that crystallization of said mixture will produce a yield of dextrose sodium chloride, and utilizing the dextrose sodium chloride thus produced for addition to first hydrols produced in the process from succeeding batches of original liquor.

2,150,198
APPARATUS FOR DISPENSING OF LIQUIDS
Helge Henric Emanuel Werneman, Stockholm, Sweden
Application November 26, 1935, Serial No. 51,718
In Sweden November 27, 1934
3 Claims. (Cl. 251—112)



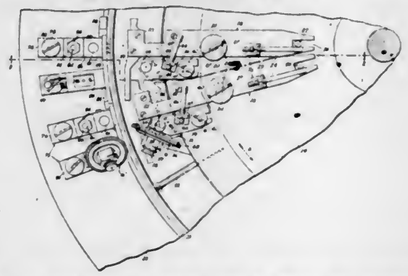
1. A cock comprising a body member and a removable tapering plug, a spring secured to said body member and to one end of said plug and tensioned to force said plug onto its seat in said body member, and means for locking the spring to the plug as long as the rotational motion thereof is limited within a predetermined angular range.

2,150,199
STEERING GEAR FOR VEHICLES
Edwin J. Weston, Canton, Ohio
Application June 10, 1936, Serial No. 84,513
12 Claims. (Cl. 280—96.1)



1. In a steering gear for vehicles of the class described, in combination with a vehicle axle, pivot pins rigidly connected to the ends of the axle in parallelism with each other and with their axes inclined downwardly and forwardly, said pins being threaded above and below the axle, and forked steering knuckles whose branches are pivotally mounted on the threaded portions of the pins, said knuckles incorporating spindles whose axes are offset forwardly from the transverse inclined plane of the axes of the pivot pins.

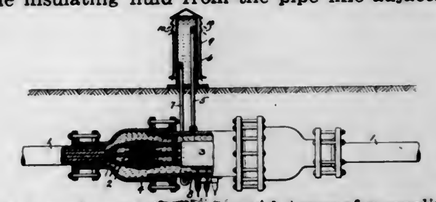
2,150,200
KNITTING MACHINE
William A. Zieve, Brooklyn, N. Y.
Application May 13, 1936, Serial No. 79,444
8 Claims. (Cl. 66—25)



4. In a knitting machine, a feed unit comprising a pair of blocks disposed in a contiguous relation, a needle actuating cam individual to and carried by each of said blocks, the cam of one block being adapted to exert a needle thrust in one direction and the cam of the other block being adapted to exert a needle thrust in an opposite direction, and means for supporting said blocks together with their associated cams in operative positions and in positions to be removed independently of each other.

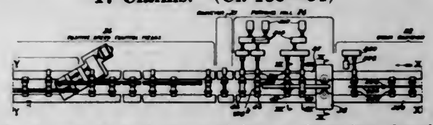
2,150,201
ELECTRIC CABLE SYSTEM
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application December 7, 1935, Serial No. 53,344, now Patent No. 2,066,322, dated January 5, 1937. Divided and this application August 13, 1936, Serial No. 95,822
1 Claim. (Cl. 174—15)

A buried electric distribution system comprising in combination a pipe line, insulated cable conductors in the pipe line, a transformer in the pipe line electrically connected to said conductors, an insulating fluid in the pipe line in which said conductors and transformer are immersed, a pipe communicating with the pipe line at a point above the transformer and extending upwardly therefrom, an above-ground tower with which said pipe communicates, a sleeve about said tower and spaced therefrom to provide for forced circulation of air about the tower, and a pipe leading from said tower to the pipe line below the transformer, thereby to provide for the circulation of the insulating fluid from the pipe line adjacent



the transformer through said tower for cooling and back to the pipe line adjacent the transformer.

2,150,202
PIPE FORMING APPARATUS
Herman G. Blevins, Sewickley, Pa., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 12, 1937, Serial No. 125,450
17 Claims. (Cl. 153—54)



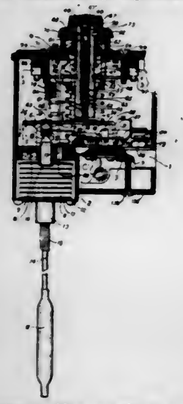
8. A roll stand comprising a housing having opposed vertically extending windows therein, a pair of yokes, means mounting a yoke in each window for movement to and from each other, a roll rotatably supported by each yoke with the roll axis substantially vertical, means for moving the yokes to and from each other and other means adjustably controlling the angle the roll axis makes with the vertical.

17. In combination, a roll stand for guiding and supporting tubular members comprising a plurality of rocker arms, rolls pivotally carried at the ends of the rocker arms, means pivotally supporting the rocker arms near their centers so as to position the rolls to define a pair of aligned throats to guide and support tubular members.

2,150,203
THERMOSTATIC ELECTRIC SWITCH DEVICE
Carlton W. Bondurant, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application October 4, 1932, Serial No. 636,159
2 Claims. (Cl. 200—81)

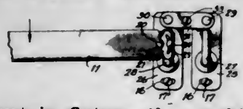
1. In a thermally actuable switch construction, a thermostat comprising an element movable responsive to temperature changes, a switch comprising a pair of contacts operable to be opened and closed by movement of the element at predetermined relatively low and high temperatures, switch adjustment means adapted to adjustably concurrently vary the responsiveness of said switch to effect both open and closing operations at higher temperatures or at lower temperatures, manually operable means movable in one direction to optionally open the contacts to render them inoperative by movement of the movable element and movable in the other direction to return them to their condition to be operated by movement of the movable element, a second switch comprising a movable contact operating element and contacts in series with the first named contact, a spring actuable movable element for moving the contact operating element of the second switch to open contact position, a thermally releasable latch for normally restraining the spring actuable movable element against movement, an electric heater for the thermally

releasable latch in series with both sets of contacts, and the manually operable means being



adapted to return the spring actuable movable element to latched position by movement in one direction.

2,150,204
CURTAIN FIXTURE
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 9, 1938, Serial No. 239,615
14 Claims. (Cl. 156—22)



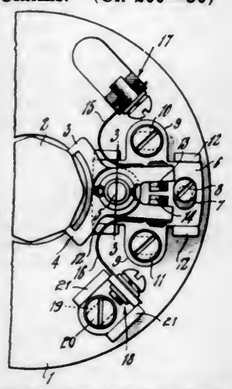
1. In a curtain fixture, the combination with an extensible bowed curtain rod comprising telescoping sections, each section having a rearwardly extended end portion carrying a vertical hinge member, of upright rod supporting brackets each carrying a vertical hinge member cooperating with said first named hinge member, and means for adjusting one end of each of said brackets edgewise to correct sagging of the intermediate portion of said rod.

5. In a multiple rod curtain fixture of the character described, the combination with front and rear substantially parallel bowed curtain rods each comprising telescoping sections, and each section of each rod having a curved rearwardly extended end portion the curvature of which is continuous with but greater than that of the intermediate portion of the rod, of vertical hinge members on the free ends of said end portions, and rod supporting brackets each having a pair of laterally spaced vertical hinge members cooperating with said first named hinge members and both located in a vertical plane parallel with the plane of the window frame.

2,150,205
TREATMENT OF REGENERATED CELLULOSE
Paul Boyd Cochran, Parlin, N. J., Maurice Valentine Hitt, Wilmington, Del., and Leland Van Taylor, Raritan Township, Middlesex County, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 15, 1937, Serial No. 137,150
4 Claims. (Cl. 92—20)

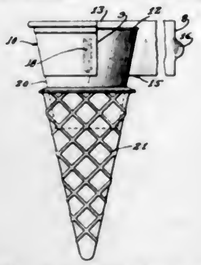
1. The process for the manufacture of a cellulosic bulking agent comprising the steps of comminuting regenerated cellulose scrap, treating said comminuted cellulose to remove impurities and drying the so treated cellulose at a temperature below which cellulosic decomposition products are formed.

2,150,206
ELECTRIC CIRCUIT INTERRUPTER
William D. Crocker, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application February 6, 1937, Serial No. 124,445
6 Claims. (Cl. 200—30)



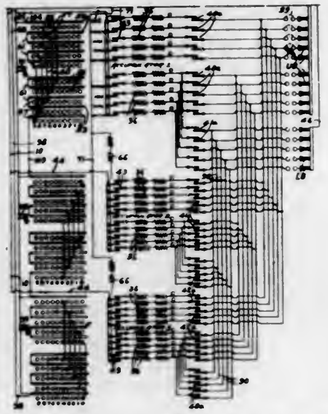
2. An interrupter for electrical circuits comprising two oscillating levers, cooperative contacts carried by said levers, a member forming a common pivot upon which said levers are mounted, a cam contacting the ends of said levers remote from said contact points for simultaneously oscillating the same in opposite directions about said common pivot, and means for moving said pivot toward and away from said cam to adjust the contact point opening.

2,150,207
FLAT BOTTOM ICE CREAM CONTAINER
Thomas D. Currie, Vaughan Township, Ontario, Canada, assignor to Dixie-Vortex Company, a corporation of Delaware
Application January 9, 1936, Serial No. 58,301
1 Claim. (Cl. 229—51)



As an article of manufacture, a frusto-conical cap, adapted to function as a protective covering for the ice cream projecting above the upper edge of an edible cone, comprising a tapering wall formed open at its lower and smaller end and having a closure lid at its upper and larger end, said wall having a stripping tab for opening said wall to release said cap from its contents, and a frusto conical removable extension connected temporarily by a weakened zone to the smaller and open end of said cap, said extension including a tapering wall aligned with the wall of said cap and having a bottom in its lower and smaller end, said tapering wall of the extension also having a stripping tab for enabling said extension to be severed along said weakened zone from said cap.

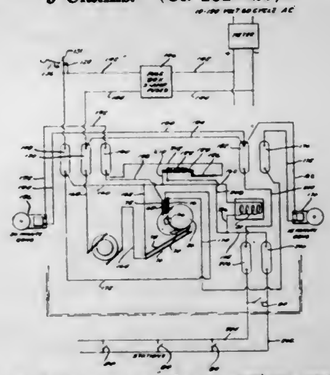
2,150,208
TABULATING MACHINE
George F. Daly, Johnson City, and Gunne Lowkrantz, Binghamton, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 3, 1931, Serial No. 527,594
9 Claims. (Cl. 235—61.7)



4. In a machine of the class described, a plurality of entry receiving devices, each comprising circuit closing members, means for sensing a plurality of fields of a record card, means controlled thereby for causing the amount in each field sensed to be entered in a separate one of said entry receiving devices, a comparing circuit including said circuit closing members and adapted to be completed if the amounts are alike in each of said devices and a magnet in said circuit for controlling machine operation.

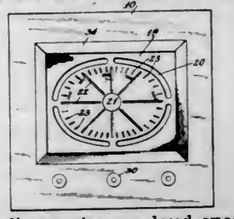
5. In a machine of the class described, a plurality of sets of analyzing means for analyzing the fields of a record card for amount designations therein, a pair of accumulators, entering means controlled by two of said sets of analyzing means to cause said entering means to enter a pair of amounts, one into each of said pair of accumulators, means controlled by a third set of analyzing means after said pair of amounts is entered for causing the entering means of one of said accumulators to enter an additional amount into its related accumulator whereby one accumulator will contain an amount from one field of the card and the other accumulator will contain the sum of the amounts in two other fields of the card, sets of settable devices, one set for each accumulator and positioned thereby to represent the amount therein, comparing means for comparing the settings of said sets of settable devices to determine whether the amounts represented thereby are like or unlike, means for rendering said comparing means effective after the entries have been made, a machine control device and means for rendering said machine control device operative under control of said comparing means in accordance with the like or unlike amounts in said accumulators.

2,150,209
SUPERVISORY SYSTEM FOR WATCHMEN
John H. Derby, Scarsdale, N. Y., assignor of one-third to Charles F. Kelley, Brooklyn, N. Y., and one-third to Halford W. Park, New York, N. Y.
Application February 12, 1936, Serial No. 63,492
5 Claims. (Cl. 161—20)



1. In a delinquency alarm system, an alarm circuit including a warning signal, a patrol circuit having a switch therein, chronometrically operated means for energizing said alarm circuit if the switch in said patrol circuit is not operated within a predetermined period, and an emergency alarm circuit including an emergency alarm arranged to be energized from said chronometrically operated means within a predetermined time after the alarm circuit has been energized, said chronometrically operated means including a synchronous motor and a circuit breaker in the motor operating circuit operated from said motor after said emergency alarm has been energized.

2,150,210
RADIO RECEIVER
Jean Dreyfus, Paris, France
Original application December 6, 1934, Serial No. 756,378. Divided and this application February 23, 1937, Serial No. 127,033
3 Claims. (Cl. 250—14)

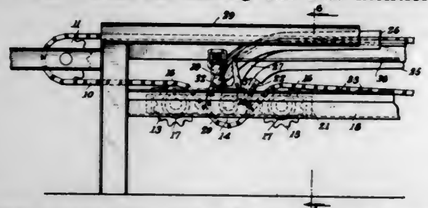


1. In a radio receiver, a loud speaker, a plate having tuning indicia thereon and occupying a sound emitting orifice of the receiver, said plate having openings forming acoustic paths designed to be effective in passing the sounds generated by said loud speaker, and a movable indicator arranged to cooperate with said indicia to indicate the station to which the receiver is tuned.

2,150,211
LOADER CONVEYER
Hilding Edwards, New York, N. Y.
Application April 4, 1936, Serial No. 72,688
6 Claims. (Cl. 198—3)

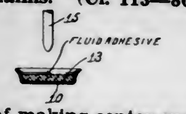
1. Conveying mechanism comprising a stationary portion and an extensible portion, means

for maintaining said extensible portion immovable, conveyer chain means on the stationary portion, conveyer chain means on the extensible portion, means for driving the last mentioned



chain means from the first mentioned chain means, means for freeing said extensible portion for longitudinal movement by the conveyer chain on the stationary portion.

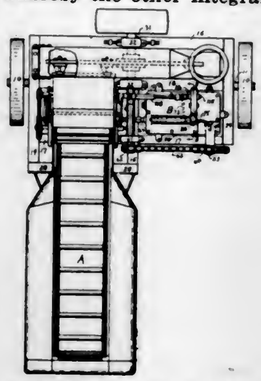
2,150,212
METHOD OF MAKING CENTER SPOT CROWNS
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application July 14, 1936, Serial No. 90,464
7 Claims. (Cl. 113—80)



1. A method of making center spot crowns embodying therein the feeding of a strip of facing material in relation to cold cutting dies including a plunger die, said facing strip having on the under side thereof a coating of soluble adhesive from which the vehicle has been removed, the distribution about the center of a cushion disc in a fluid form of a film of adhesive having a highly volatile vehicle which will react with the adhesive upon said strip, cutting a center spot disc from said strip and depositing it upon the portion of the cushion disc having said fluid adhesive applied thereto, applying pressure to said center spot disc when depositing it upon said cushion disc, and thereafter applying a continuing pressure to said center spot disc by a presser plunger maintained at normal factory temperatures, whereby said center spot disc is applied to said cushion disc without subjecting the adhesive to an elevated temperature.

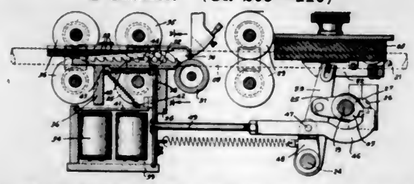
2,150,213
TRANSMISSION FOR ENSILAGE CUTTERS
Charles E. Everett, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis.
Original application November 9, 1933, Serial No. 697,253. Divided and this application June 8, 1936, Serial No. 84,160
2 Claims. (Cl. 74—333)

1. A transmission for implements of the class, comprising an elongated housing having a transversely positioned drive shaft at one end, one end of said shaft protruding through said housing, a primary shaft positioned on the same plane and at right angle to said drive shaft and having a selectively operating bevel gear connection therebetween whereby said primary shaft may be driven in either direction, a secondary shaft and a third shaft, a free gear having external and internal teeth mounted on said primary shaft and a gear secured to said third shaft operatively engaging the external teeth of said free gear through an idler gear, three variously sized, spaced gears secured to said secondary shaft, one of said three gears operatively engaging the outside teeth of said free gear, two spaced integral gears spline-mounted on said primary shaft and having means whereby one of said gears thereon may operatively engage either the internal teeth of said free gear or the middle gear of said three gears and whereby the other integral gear may



operatively engage the other of said three gears, one end of said third and secondary shafts protruding through said housing whereby said third and secondary shafts always turn in opposite directions but may be reversed and selectively turned at three different speeds relative to said driving shaft.

2,150,214
SORTING MACHINE
Louis H. Fronefield, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 24, 1937, Serial No. 138,705
4 Claims. (Cl. 209—110)

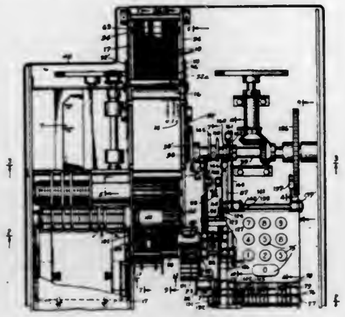


1. A sorting machine having a plurality of sorting blades with their ends disposed progressively along the path of travel of a record to be sorted, and means for feeding a record to pass said ends, in combination with a bar provided with a plurality of spaced teeth, each tooth normally underlying a corresponding blade end to support the same, said blade ends being biased to press against said teeth and means for shifting said bar to bring the spaces between the teeth beneath the blade ends whereby said biased blade ends will move downwardly into the spaces between said teeth.

2,150,215
DEPARTMENT STORE MACHINE
Frederick L. Fuller and George F. Daly, West Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 4, 1935, Serial No. 52,766. Divided and this application October 23, 1936, Serial No. 107,142
2 Claims. (Cl. 235—60)

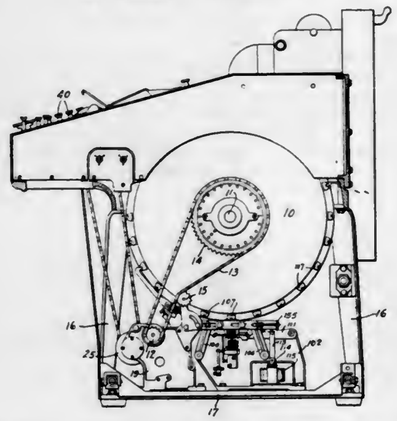
1. In combination; a group of toothed item wheels, each independently movable and each

having differential positions corresponding to different values, a wide actuating toothed drum meshed with the group of wheels, means for actuating the drum, a series of value keys, and control connections between said keys and said drum effective upon operation of a key for causing the actuating means to actuate the drum differentially to move the entire group of wheels to a common differential position corresponding to the value selected by the operated key, escape-



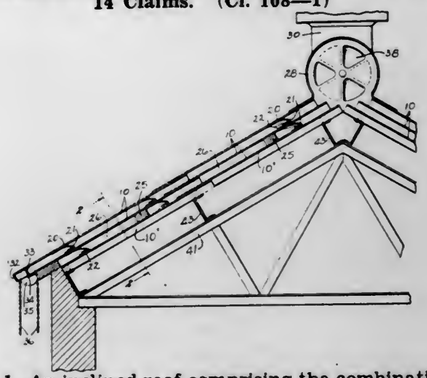
ment mechanism operating upon each operation of a key for moving one of said wheels out of coaction with said drums while the remaining wheels stay on the drum and retain their common differential position, said control connections being effective upon the next operation of a key to cause the actuating means to actuate said drum to move said remaining wheels from their last common differential position to a new common differential position corresponding to the value selected by the latter key.

2,150,216
SORTING MACHINE
Frederick L. Fuller, West Orange, N. J., and Samuel Brand, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 28, 1936, Serial No. 107,966
10 Claims. (Cl. 209—122)



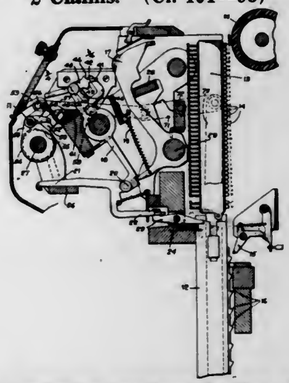
1. In a sorting machine of the class described, the combination of a rotatable sorting drum, means to rotate the drum in either direction, manipulative means to control the direction of rotation, a pair of stop arms, frictional means cooperating with both of said stop arms to arrest the drum when rotating in either direction, and means controlled by the manipulative means to control both stop arms.

2,150,217
ROOF
Fredrick Gettelman, Milwaukee, Wis.
Application March 12, 1938, Serial No. 195,516
14 Claims. (Cl. 108—1)



1. An inclined roof comprising the combination with suitable supports, of plural superposed sets of partially overlapped sheets arranged with the upper set of sheets supported from, and in spaced relation to, the set below it, the opposing faces of said upper and lower sheets between the spacing means being respectively provided with mutually engageable hooks and brackets, adapted to be interlocked for anchorage purposes.

2,150,218
PRINTING MECHANISM
Alvin E. Gray, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 7, 1936, Serial No. 89,283
2 Claims. (Cl. 101—93)



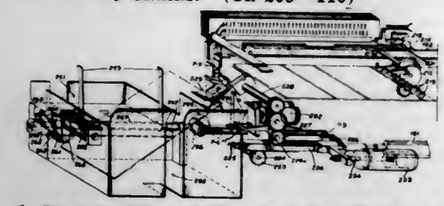
1. In a printing machine having a plurality of positionable type carriers, printing hammers, one for each carrier, an actuator, means controlled by each carrier for causing said actuator to trip the related hammer when the carrier is in certain positions and for preventing tripping by said actuator when the carrier is in other positions, in combination with record controlled means and a second actuator controlled thereby for causing tripping of said hammers when the carriers are in any printing position.

2,150,219
ALUMINUM ALLOYS
Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 16, 1939, Serial No. 251,179
2 Claims. (Cl. 75—146)

1. An alloy suitable for use in cooking utensils comprising the following materials within the percentages indicated, by weight:

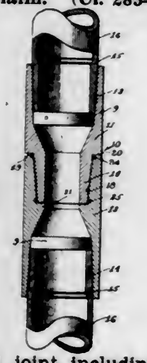
	Per cent
Zinc	1½ to 2½
Magnesium	2 to 3
Silicon	¼ to ¾
Aluminum	Remainder

2,150,220
CARD HANDLING MACHINE
Francis E. Hamilton, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 14, 1936, Serial No. 110,829
9 Claims. (Cl. 209—110)



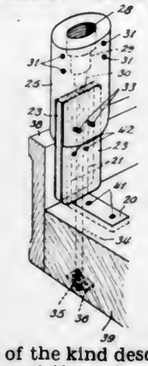
1. In a machine of the class described, a card receiving receptacle, means for depositing each card of a series into said receptacle, ejecting means selectively positionable in said receptacle for receiving cards deposited thereon by said depositing means and for then ejecting said cards, means for positioning said ejecting means, means controlled by designations on the cards for causing the selective operation of the last named means, and means for operating the ejecting means for ejecting the card deposited thereon.

2,150,221
ROTARY TOOL JOINT
Frank J. Hinderliter, Tulsa, Okla.
Application July 15, 1935, Serial No. 31,324
1 Claim. (Cl. 285—157)



A rotary tool joint including a box member having a tapered socket, a pin member having a tapered shank, the central portions of said socket and shank being formed into complementary threads for securing said members together and both end portions of both said socket and shank being formed into smooth conical surfaces, said conical surfaces being disposed so that one surface on one member and one surface on the other member cooperate to form a pair of opposed surfaces at one side of said threads and the other surfaces cooperate to form another pair on the other side of said threads, stop means on said members to prevent the movement of the shank into the socket beyond a point at which there is a small predetermined clearance between said conical surfaces, one of each of said pairs of conical surfaces being interrupted by an annular groove, and two rubber rings, one filling each of said grooves, said rings being thick enough to project above the adjacent conical surfaces a distance substantially greater than said clearance so that when said joint is assembled portions of said rubber rings are squeezed out between said surfaces into said clearance spaces.

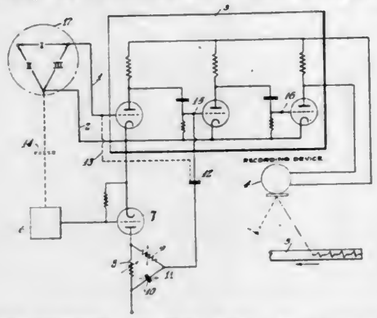
2,150,222
BRACKET
Henry C. Hoffman, Forest Hills, N. Y.
Application June 1, 1938, Serial No. 211,133
11 Claims. (Cl. 312—140.4)



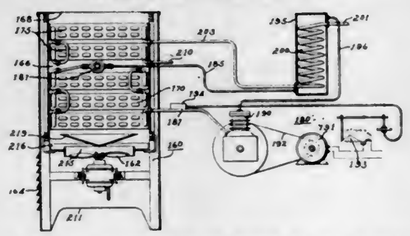
4. A bracket of the kind described comprising a main section consisting of a base-plate, spaced parallel vertical members extending upwardly from said base-plate to form an upright channel terminating at the lower surface of said base-plate, flexible members secured upon opposite sides of said vertical members and projecting transversely beyond the same to constitute resilient clamps, an auxiliary section removably fitted upon said main section and provided with a threaded opening in vertical registry with the upright channel of said main section, said auxiliary section having an upwardly open socket, and a bolt extending lengthwise of said upright channel for screwthreaded connection with said threaded opening.

2,150,223
DEVICE FOR OSCILLOGRAPHICALLY RECORDING THE ACTION VOLTAGES OF THE HUMAN HEART
Hans Erich Hollmann, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, a corporation of New York
Application August 11, 1936, Serial No. 95,341
In Germany August 14, 1935
5 Claims. (Cl. 128—2.06)

1. In electrocardiographic apparatus, contact members adapted for drawing an action voltage from a human body, means for amplifying said action voltage, means for recording the amplified action voltage, an antenna structure adapted for absorbing a voltage from an electric interfering field in which said human body is positioned, a thermionic valve having a descending characteristic curve for amplifying the voltage absorbed by said antenna structure and for changing its phase by 180°, and means for impressing the amplified antenna voltage upon an intermediate point of said amplifying means for counter-balancing the interference voltage superimposed upon said action voltage by the antenna effect of said human body.



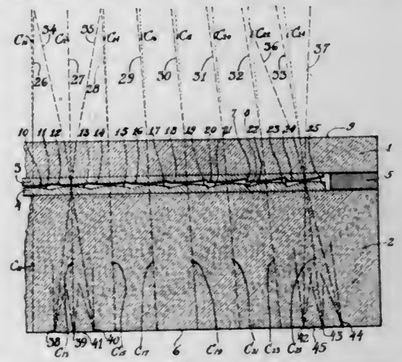
2,150,224
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1933, Serial No. 682,977
20 Claims. (Cl. 62—6)



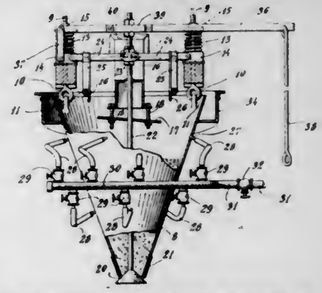
14. An air conditioning apparatus, in combination with an enclosure in which conditioned air is used, air-flow means for air to be conditioned for said enclosure, a water-flow coil in said means cooling air passing through said means, an evaporator in said means cooling air passing through said means, a refrigerant condensing unit connected to said evaporator, and a common source of water supply connected to said water-flow coil and to said condensing unit.

2,150,225
SCREEN FOR STEREOSCOPIC PICTURES
Nicholas T. Kaszab, New York, N. Y.
Application July 20, 1937, Serial No. 154,592
2 Claims. (Cl. 88—24)

1. A stereoscopic screen, comprising a front plate and an adjacent back plate, both made of transparent material and each having on their respective oppositely placed inner sides convex cylindrical lenticulations in parallelism, and minute plane breaks between the cylindrical elements of the lenticulations, the spacing of the axes of curvatures of the cylindrical elements being equal for each plate, but being wider for the back plate than for the front plate and the radii of curvatures of the lenses being of equal length for each plate, but longer for the front plate than for the back plate; the two systems of lenticulations being so arranged that they form opposing pairs of cylindrical lenses, the lenses of each pair being in tangential relation to one another, each pair also being symmetrical with relation to a respective plane containing the respective axes of the curvatures of the two lenses, all said planes of symmetry converging to intersect in a predetermined central line at a desired distance in front of the screen, the radii of curvatures being so dimensioned that the focal length of each of the opposing pairs of lenses is equal to the thickness of the back plate, and the radii of curvatures of the lenses on the two respective plates having a ratio adapted to reduce cylindrical aberration.

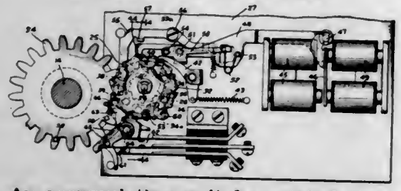


2,150,226
APPARATUS FOR CLASSIFYING MATERIAL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application October 31, 1936, Serial No. 108,509
5 Claims. (Cl. 209—160)



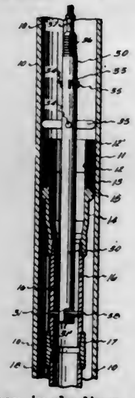
1. In material classifying means, a container having a hopper outlet supported to have vertical movement and into the top of which container solid material to be classified is filled, a closure to control the outlet, and nozzles adapted for connection with a source of liquid supply mounted on and opening through the wall to the interior of the container to direct the streams from the nozzles, said nozzles being disposed in axially spaced horizontal rows and arranged in upwardly diverging direction tangential to the wall of the container and set up a swirling action of the liquid in the container to effect a separation of particles of material of predetermined degree of fineness from the material as it is filled into the container and flow off the separated material with the liquid from the top of the container and the remainder of the material settling in the container.

2,150,227
TABULATING MACHINE
Clair D. Lake, Binghamton, and Wesley Pfaff, Union Center, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 11, 1935, Serial No. 44,554
8 Claims. (Cl. 235—61.6)



1. An accumulating unit for a tabulating machine comprising a driving element, an accumulating element, clutching mechanism therebetween, a pivoted clutch controlling lever, a magnet for positively rocking said lever in one direction to cause clutching means for thereafter positively rocking said lever in the reverse direction to cause unclutching, and a toggle mechanism for holding said lever in either position.

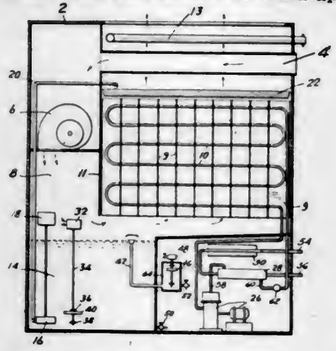
2,150,228
PACKER
Luther F. Lamb, Dallas, Tex.
Application August 31, 1936, Serial No. 98,802
6 Claims. (Cl. 166—10)



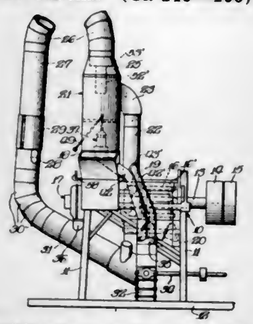
1. A well packer including, a pair of co-acting units, one unit comprising a tubular support, an annular elastic packing element carried by the upper end of the support and normally disengaged from the well casing, means on the support and spaced from the packing element for fastening said unit in the well casing, means within the tubular support adapted to be engaged by a lifting tool whereby the unit may be raised or lowered in a well casing, the second unit including a tubular support, and means carried by the lower end of the second unit for engaging within the annular packing element to expand the same radially into packing engagement with the well casing, there being an axial passage extending through both units, whereby fluid may flow upwardly therethrough.

2,150,229
COOLING SYSTEM
Charles S. Leopold, Elkins Park, Pa.
Application May 31, 1933, Serial No. 673,602
4 Claims. (Cl. 62—6)

1. In combination, means providing a surface cooled below the freezing point of a liquid and arranged to carry a coating of frozen liquid, means for passing liquid in the form of a film in heat interchange with said surface to build up a coating thereon, means for interrupting the flow of liquid when the coatings are built up to a predetermined extent, and means for passing a gas in contact with said coating.



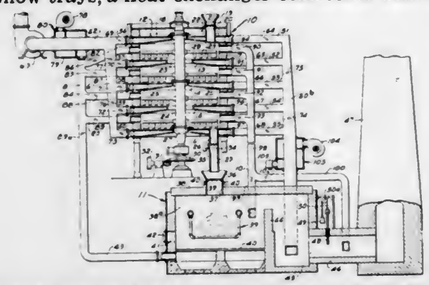
2,150,230
ROUGHAGE MILL
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application June 15, 1936, Serial No. 85,269
16 Claims. (Cl. 146—106)



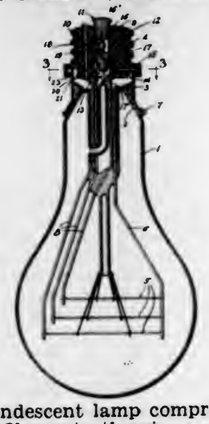
1. In combination with a roughage mill including a frame, a cutting mechanism mounted on said frame for cutting material passing therethrough into roughage, a grinding mechanism mounted on said frame, a hopper mounted on said frame, a separating mechanism mounted in said hopper for separating seed or grain from said roughage, a discharging spout attached to said hopper, and means for diverting the seed or grain into said grinding mechanism or said discharging spout.

2,150,231
INCINERATION
George R. Lewers, Brooklyn, N. Y., assignor, by mesne assignments, to Underpinning & Foundation Company, Inc., New York, N. Y., a corporation of New York
Application October 15, 1936, Serial No. 105,695
5 Claims. (Cl. 110—8)

1. In combination, a multiple-hearth dryer divided into compartments by vertically spaced hollow trays serving as the top and the hearths and having means for moving material introduced at the top downwardly from tray to tray and discharging it at the bottom, an incinerator receiving material from the dryer and comprising a furnace chamber and a combustion chamber connected at its upper part with the upper part of the furnace chamber, means for passing hot gases from said combustion chamber to each of said hollow trays, a heat exchanger connected with all of said hollow trays to receive gases therefrom, means for drawing the hot gases from said trays through said heat exchanger, means for introducing air preheated in said heat exchanger into each of the compartments between said trays and into said furnace chamber and withdrawing air and vapors from each of said compartments and discharging them into said furnace chamber.

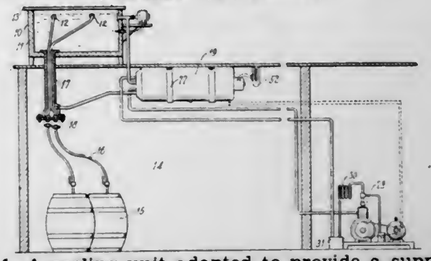


2,150,232
INCANDESCENT LAMP
Forrest J. Major, Ocean Park, Calif., assignor of one-third to Palmer O. Narveson, one-third to Russel S. Major, both of Los Angeles, Calif., and one-third to Elbert S. Major, Atlanta, Ga.
Application August 11, 1936, Serial No. 95,329
17 Claims. (Cl. 176—27)



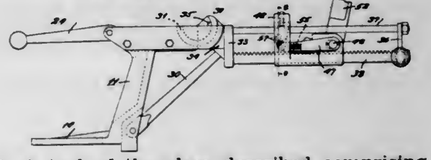
2. An incandescent lamp comprising a bulb, a plurality of filaments therein, a sleeve of conducting material secured to said bulb, a closure of non-conducting material within said sleeve, a conductor connecting all of said filaments with said sleeve, a conducting element mounted in said closure and having its outer end exposed at the outer end of said closure to serve as a terminal of the lamp circuit, a plurality of contacts, conductors connecting said contacts with said filaments, means for seletively electrically connecting said contacts with said conducting element including a rotary actuator operable exteriorly of said sleeve, while the lamp is mounted in a socket, and members slidably supported by said sleeve and engaging said contacts, and supporting said actuator on said sleeve.

2,150,233
REFRIGERATING SYSTEM AND APPARATUS
Michael A. Martin, Erie, Pa.
Application November 18, 1936, Serial No. 111,452
7 Claims. (Cl. 62—141)



1. A cooling unit adapted to provide a supply of cooling liquid for a beverage dispenser and to control temperature within a beverage storage room, said unit comprising a tank adapted to contain cooling liquid, heat exchange means within the tank adapted to maintain the liquid below a predetermined temperature, conduit means adapted to transmit the cooling liquid from the tank to the dispenser, and means for circulating air in the room over the tank to cool the air, comprising guide means directing the air in heat exchange relation with the tank and fan means directing air through the guide means.

2,150,234
HOSE CLAMP APPLYING MEANS
Glenn L. McKee, Oildale, Calif., assignor to McKee Brothers Corporation, Bakersfield, Calif., a corporation of California
Application May 13, 1936, Serial No. 79,545
11 Claims. (Cl. 81—9.3)

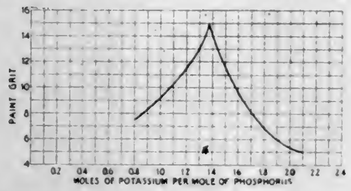


1. A tool of the class described comprising a pair of members, one pivotally movable on the other, an element for retaining a clamping band on one member, a movable gripping element on the other member for gripping the band, mechanism to move the gripping element relative to said other member, for drawing the band tight about an article, means engaging the members at opposite sides of their pivotal connection and arranged to maintain the members relatively stationary during said band tightening step, and shearing means on the tool disposed to cut the band disposed in the gripping element, upon a predetermined movement of the movable member. said first-mentioned means being releasable from its position maintaining the members relatively stationary, and the movable member upon being released is movable to a position in which the shearing means shears the band.

2,150,235
TREATMENT OF TITANIUM PIGMENTS
Robert M. McKinney, Roselle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 5, 1937, Serial No. 146,541
8 Claims. (Cl. 134—58)

5. In a process for producing an improved pigment from a phosphoric acid containing hydro-

lytically precipitated titanium pigment composition the steps which comprise increasing the phosphate content by the addition of a member selected from the class consisting of alkali metal phosphates and phosphorus acids, adding a suffi-

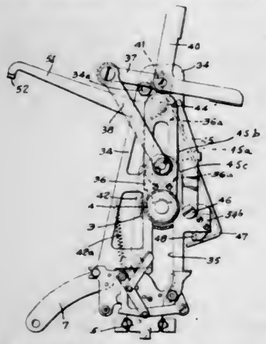


cient amount of a water soluble inorganic alkali metal salt to give an alkali metal to phosphorus "molar ratio" in said mixture within the range of about 1:1 to about 1.6:1 and subsequently calcining said mixture.

2,150,236
PROCESS FOR MAKING TITANIUM PIGMENTS
Robert M. McKinney, Roselle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1937, Serial No. 172,378
13 Claims. (Cl. 134—58)

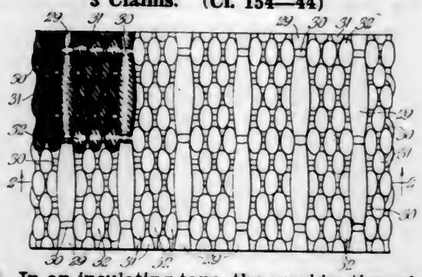
1. A process for the production of improved titanium pigments which comprises wet grinding calcined titanium pigments in the presence of a small amount of an alkali aluminate.

2,150,237
TYPEWRITING MACHINE
Joseph William Miles, Chadwell Heath, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 24, 1936, Serial No. 102,261
In Great Britain October 9, 1935
6 Claims. (Cl. 197—133)



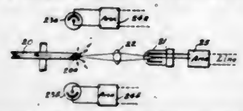
6. In a fanfold billing machine, a platen, a platen supporting frame, means to movably mount the platen in said frame whereby the platen may be displaced from a typing to a non-typing position, means to actuate the platen to a non-typing position and including a toggle arranged to lock the platen in typing position, a tearing knife disposed in front of the platen in its typing position, and a paper clamping bar cooperating with said knife when the platen is in its normal position and movable with the toggle toward and away from said knife.

2,150,238
INSULATING TAPE
Carl Mosier and John L. Mohun, Jr., Chicago, Ill., assignors to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1936, Serial No. 108,170
3 Claims. (Cl. 154—44)



1. In an insulating tape, the combination of an insulating filler with a woven fabric sheath adapted to envelop said filler, said fabric comprising a plurality of warp threads and weft threads, and certain of the warp threads on one face being larger whereby a plurality of longitudinal spaced ribs are formed on said face to form dead air spaces on a pipe when the tape is wrapped about a pipe, and certain of the transversely extending weft threads being drawn tighter than the other weft threads and the majority of warp threads for the purpose of forming intersecting transverse spaced ribs on the same face of said sheath as said longitudinal spaced ribs.

2,150,239
SYNCHRONIZING SYSTEM
Harry J. Nichols, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 7, 1934, Serial No. 756,486
10 Claims. (Cl. 178—69.5)

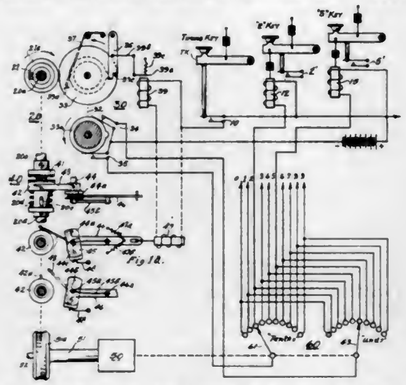


1. In a synchronizing system, phase evaluating means including in combination, a light source modulated by received periodic signals, periodically moving light deflecting means provided with light deflecting surfaces having different inclinations, light directive means adapted to direct light from said source to a predetermined point in the path of motion of said deflecting means, and light responsive means actuated in accordance with any phase relation of said deflecting means to said periodic signals.

2,150,240
COMMUNICATION SYSTEM
Harry J. Nichols, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 31, 1934, Serial No. 759,933
14 Claims. (Cl. 234—36.5)

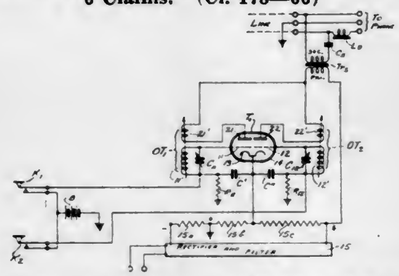
9. A system of the character described comprising, in combination, a constantly rotating shaft, time indicating control mechanism and selector mechanism to control the operation of said time indicating control mechanism, normally inoperative clutch mechanism adapted upon operation thereof to control the operation of the selector mechanism by said shaft, and control

means, the operation of which renders the time indicating control mechanism operative to indicate time indications in accordance with the setting of the selector mechanism and also renders the clutch mechanism operative to control the operation of the selector mechanism thereby



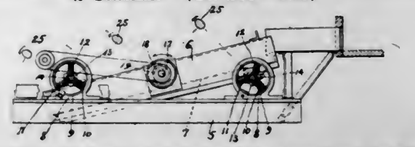
altering its setting, and upon a subsequent operation of the control means renders inoperative the clutch mechanism preventing further setting of the selector mechanism and also rendering the said time indicating control mechanism operative to indicate time indications in accordance with the altered setting of the selector mechanism.

2,150,241
COMMUNICATION SYSTEM
Harry J. Nichols and Henry L. Tholstrup, Dayton, Ohio, assignors, by direct and mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 7,674
6 Claims. (Cl. 178—66)



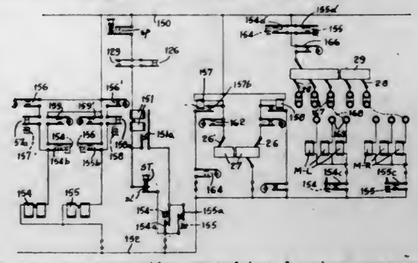
6. In carrier signal terminal apparatus adapted to function selectively for sending and receiving, in combination, signal translating means, selectively tuned electronic relay means adapted to selectively actuate said signal translating means, an electronic discharge device having a plurality of grid and anode elements mounted in a common sealed envelope and including individual circuits connected to said elements, individual tuned circuits and individual keying means included in each of the grid circuits, and positionable switching means to condition selectively the said device and associated element circuits whereby in one position selective operation of the keying means are effective to initiate selectively carrier signals of predetermined frequencies, and in another position condition the same said elements of the device and associated circuits to amplify selectively signals of the aforesaid predetermined frequencies thereby controlling selectively the operation of the said electronic relay means and associated translating means.

2,150,242
BALANCED VIBRATING SCREEN STRUCTURE
Gustave A. Overstrom, Big Sur, Calif.
Application December 20, 1935, Serial No. 55,351
2 Claims. (Cl. 209—326)



2. In a screen structure, a screen box having supporting members, supporting springs disposed within collars in radial relation to said members to support the same, said springs having relatively different resistances to deflection, and housings enclosing said collars, said collars and said housings having cooperating circular bearing surfaces and being so constructed and arranged that the collars may be rotated within the housings, thereby angularly adjusting the collars and their associated springs about the axes of said supporting members.

2,150,243
STATISTICAL CARD OPERATED MACHINE
Ralph E. Page, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 23, 1934, Serial No. 741,029
4 Claims. (Cl. 235—61.6)

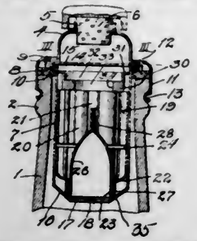


2. In an accounting machine having means to hold a plurality of stacks of cards; mechanism, including means common to all the stacks of cards, for feeding cards from one or more of said stacks along separate, spaced paths through the machine to control accounting operations, a control means for causing the feeding mechanism to operate to feed cards from said stacks, a plurality of devices for detecting the presence or absence of cards in each of the separate paths, and means under control of said card detecting devices for rendering said control means effective to cause operation of the card feed mechanism only as long as said devices detect the presence of cards in at least one of said paths.

2,150,244
PROPRIETARY CONTAINER
William G. Pancoast, Winnetka, Ill.
Application July 14, 1937, Serial No. 153,485
2 Claims. (Cl. 215—18)

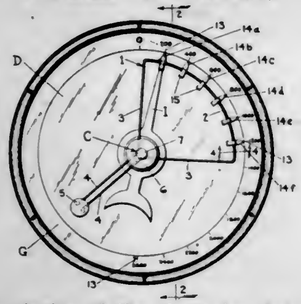
1. A device for association with a container to render the container non-refillable, including a casing open at each end, the inner end portion

being shaped to define a seat adjacent the opening, a valve member including a hollow element slidable in said casing, and a self-closing resilient



nozzle carried by said element and having a portion thereof turned over the end of said element to seat against the inner end portion of said shell around the opening.

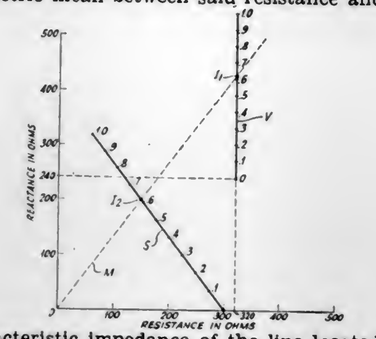
2,150,245
WEIGHT DEMARCATING AND FRACTIONAL HOUR RATE INDICATORS FOR SCALES
George E. Reinking, Fort Wayne, Ind.
Application May 23, 1936, Serial No. 81,407
5 Claims. (Cl. 116—129)



1. In a device of the character described, an independent, attachable weight demarcating indicator adapted to co-operate with the dial glass, indicator and dial graduations of a weighing scale, the demarcating indicator comprising a sector frame provided with a series of adjustable pointers, rotatably attachable to the said dial glass and having its axis concentric with the axis of the dial indicator, resilient suction means for readily mounting and demounting the demarcating indicator on the dial glass, and adjustable clamping means carried by the suction means and co-operating with the upper and lower sides of the sector frame in locking the sector frame and its pointers in operative position with relation to the dial graduations.

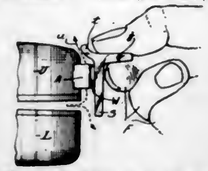
2,150,246
TRANSMISSION LINE SYSTEM
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 3, 1937, Serial No. 162,302
9 Claims. (Cl. 178—44)

1. The method of preventing wave reflection in a transmission line connecting a source of high frequency energy to a complex load impedance which comprises changing the spacing of said line for a distance equal to an odd multiple including unity of a quarter wavelength at a position in said line which is removed from said load by a length so chosen as to make the effective impedance of said load and said length of line a pure resistance, and further so choosing the constants of said changed section of line as to make its characteristic impedance equal to the geometric mean between said resistance and the



characteristic impedance of the line located between said source and changed section whereby said pure resistance is transformed to a value equal to the line impedance.

2,150,247
WAFFLE IRON HANDLE
Frank P. Rodwick, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 11, 1937, Serial No. 168,373
7 Claims. (Cl. 53—10)

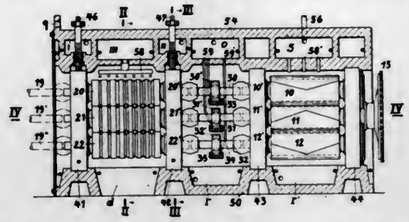


1. A handle for a baking appliance which has two superposed sections connected by a hinge at one side of the appliance, and in which the handle is supported by and projects laterally outwardly from the opposite side of the upper section; the handle comprising a finger-piece disposed at a higher elevation than the lower edge of the upper section and projecting laterally away from the said opposite side of the upper section of the appliance, and an imperforate shield depending from the inward part of the finger-piece and presenting its lower end at an elevation considerably lower than the said lower edge of the upper section when the two sections are superposed, the shield being generally freely spaced from both of the said sections.

2,150,248
ROLLING MILL
Kurt Rosenbaum, Friedrich Alfred-Hutte, Rheinhausen, Germany, assignor to Fried. Krupp Grusonwerk, Aktien-Gesellschaft, Magdeburg-Buckau, Germany
Application September 11, 1937, Serial No. 163,453
In Germany September 10, 1936
2 Claims. (Cl. 80—55)

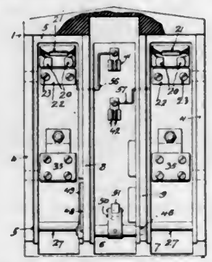
2. In a rolling mill of the type comprising working rolls superposed upon each other, gear wheels individually revolving said working rolls, standards wherein said rolls and gear wheels are journalled, and coupling spindles cooperatively interconnecting said rolls and gear wheels, an integer mill housing jointly supporting, enclosing and removably retaining said rolls, standards, gear

wheels and coupling spindles,—horizontally disposed guide grooves being formed in the mill housing wherein said standards are slidably fixed so as to be capable of being removed from the mill housing in the rolling direction,—said mill housing having a hollow top portion strengthened by



ribs, internally provided in the form of partition walls enclosing a plurality of chambers for the reception of lubricating and cooling liquids, said chambers being disposed in registration with the barrels and necks of the working rolls, with the couplings and coupling spindles and with the necks and teeth of the gear wheels respectively.

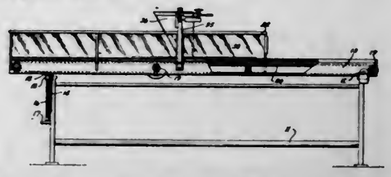
2,150,249
MULTIPLE FUSE DEVICE FOR ELECTRIC CIRCUITS
Robert G. Sanford, High Falls, N. Y.
Application June 19, 1936, Serial No. 86,085
3 Claims. (Cl. 200—126)



1. A housing having a plurality of compartments, a fuse in one of said compartments, a movable cover for said latter compartment adapted to be retained in closed position by said fuse, a switch in another compartment of said housing, a movable cover for said second compartment on which said switch is mounted, a lever arm mounted on a shaft and adapted to be moved in one direction by the cover of said first mentioned compartment, a lever arm on said shaft operating on said switch to control its position, and a second fuse controlled by said switch.

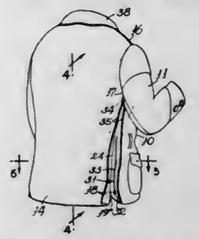
2,150,250
PROCESS FOR CASTING FILMS
Clyde Scott, East Orange, N. J.
Application July 25, 1935, Serial No. 33,000
14 Claims. (Cl. 18—57)

4. The process of casting multi-layer composite films of predetermined thickness which comprises depositing a known quantity of film-forming solution uniformly over a casting surface, said casting surface having means to contact film-forming solutions at opposite sides or edges and anchor said solutions and hold same in place without distortion during the evaporation of volatile solvent therefrom, uniformly depositing thereupon subsequent layer or layers comprising known quantities of film-forming solutions, uniformly drying said composite film under tension and finally removing the substantially dry composite film from the casting surface.



12. The process of casting film which comprises flowing a film forming solution of suitable characteristics upon a casting surface; causing its side edges to be anchored in proximity to the surface; solidifying said film forming solution to form a film; maintaining said engagement of the side edges of the film until solidification has been substantially effected; and then removing the film from the casting surface.

2,150,251
HUNTING COAT
Leonard Shanhouse, Rockford, Ill.
Application May 12, 1938, Serial No. 207,449
3 Claims. (Cl. 2—94)

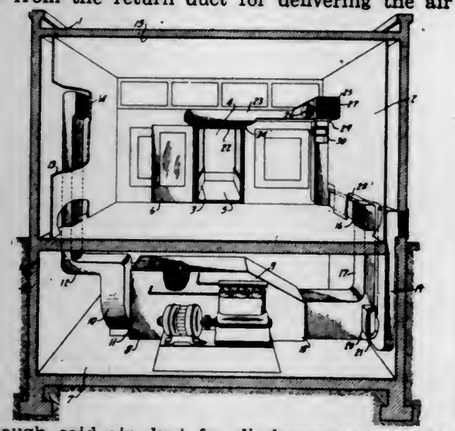


1. A hunting coat having a back comprising two substantially coextensive separate layers of material secured together along their top edges and the upper portions of their side edges, additional material forming inverted pleats along the lower side and bottom edges of said material adding fullness thereto to form a pouch in the lower end of the back of the coat distensible outwardly without disturbing the inner layer of material next to the wearer's back, said pleated material having a slit in at least one side portion thereof to afford access to said pouch, a slide fastener arranged to close said slit, and additional slide fasteners along the lower portions of said side edges of said layers of material for securing the same together when the pouch formed therebetween is empty to conceal said pleated material, and first named fastener and to cause the coat to fit smoothly about the wearer.

2,150,252
AIR CONDITIONING SYSTEM
Samuel J. Shure, Kansas City, Mo.
Application October 12, 1935, Serial No. 44,744
4 Claims. (Cl. 98—36)

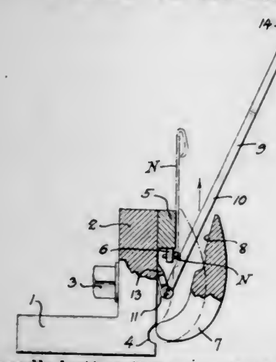
1. In a building having an air conditioned space and an entrance to said space, an air conditioning unit, delivery and return ducts for conducting a stream of air from said space through said unit and back to said space, an air duct connected with the return duct and having an outlet coextensive with one edge of the entrance, and a

fan connected with said air duct for withdrawing air from the return duct for delivering the air



through said air duct for discharge across said entrance in curtain-like formation.

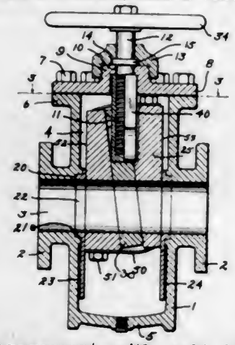
2,150,253
NEEDLE BUTT PULLER
Harold M. Smith, Greensboro, N. C.
Application October 19, 1937, Serial No. 169,852
2 Claims. (Cl. 254—104)



1. A needle butt puller comprising a bar having a hook end pivotally and adjustably affixed to one end of the implement, said hook end having an offset portion to engage the projecting end of the broken needle butt.

2,150,254
VALVE
Sam Sorensen, Houston, Tex.
Application May 17, 1937, Serial No. 143,061
4 Claims. (Cl. 251—68)

2. A valve mechanism comprising a valve casing having transverse openings therein, a valve chamber within said casing and extending transversely of said openings, a sliding gate within said chamber, said gate comprising opposed wedge shaped members having their outer faces in parallel planes and their inner faces in spaced, inclined, parallel planes, spring means secured to one of said members, and contacting the adjacent end of the other member whereby the members are urged to relatively biased position, pairs of elongated openings in the inner faces of the wedge member in opposed staggered relation, a driving block member between the wedged shaped members, rigid pins on said block member, said elongated openings being disposed to receive said pins and permitting a limited longitudinal movement between said members, and a valve stem having

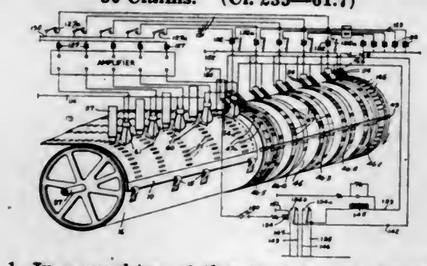


driving engagement with said block member, whereby the gate is moved into closed and open positions and expanded into sealing engagement with the walls of the valve chamber in such positions.

2,150,255
INTERNAL COMBUSTION ENGINE VALVE
Enrique G. Touceda, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
No Drawing. Application March 6, 1937, Serial No. 129,476
4 Claims. (Cl. 123—188)

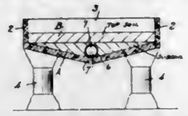
1. An internal combustion engine valve formed from an alloy containing chromium from 5% to 30%, nickel from 70% to 90% and beryllium from 0.05% to 2.5%; said valve having a substantially higher yield point and substantially greater strength at valve operating temperatures than it would otherwise have without the beryllium.

2,150,256
RECORD CONTROLLED STATISTICAL MACHINE
Richard Warren, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 6, 1932, Serial No. 603,499
30 Claims. (Cl. 235—61.7)



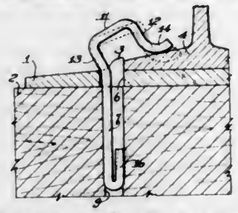
1. In a machine of the class described, means for analyzing an examination response sheet for marks representative by their location on the sheet of right and wrong answers, counting devices controlled by said analyzing means and means including a second sheet and sensing means therefor for determining, in accordance with their location the significance of the marks analyzed and for causing the operation of the counting devices in accordance with said determined significance.

2,150,257
GREENHOUSE BENCH
Mike Winandy, Richmond, Ind.
Application February 1, 1938, Serial No. 188,045
6 Claims. (Cl. 47—18)



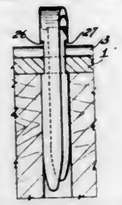
1. In a greenhouse bench having side members and end members, a bottom member formed V-shaped longitudinally of the bench with the lowermost portion of the V being centrally located and in parallel relation with the side members and providing drainage to the lateral center of the bench and with the upper and lower surfaces of the bottom member being parallel with each other.

2,150,258
RAIL FASTENER
Emanuel Woodings, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application January 31, 1938, Serial No. 187,984
6 Claims. (Cl. 238—349)



4. A rail fastener having a vertical shank adapted to be secured in a cross tie and terminating at its upper end in an integral extension projecting laterally for engaging the top of the adjacent rail base flange, and the lower end of said shank being provided with an integral extension bent sharply upwardly along the shank and terminating below the top of said cross tie.

2,150,259
RAIL FASTENER
William C. Woodings, Verona, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application April 27, 1938, Serial No. 204,486
12 Claims. (Cl. 238—366)



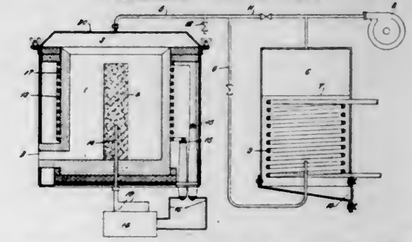
1. A rail fastener comprising a shank adapted to be inserted in a tie-plate hole, and a laterally projecting head adapted to bear against the top of a rail base flange, said shank being in the form of at least two substantially upright metal bars at least one of which has at one edge a surface adapted to engage the bottom of the tie-plate adjoining the shank-receiving hole, the normal width of the shank taken on a line between said bars on a level with said surface being greater than said hole, and said bars being adapted to be canted edgewise in opposite directions longitudinally of the rail to reduce said normal width of the shank in order to permit the shank to be inserted in the tie-plate hole.

2,150,260
FINGER-GRIP COMB
Ethel Yates Berry, North Hollywood, Calif.
Application December 18, 1937, Serial No. 180,552
3 Claims. (Cl. 132—11)



1. A fingergrip comb comprising a comb, there being an extension extending longitudinally from one end of the back of the comb forming a "rat-tail", there being one or more finger-receiving openings extending transversely of the comb on the underside of the "rat-tail" forming extension adjacent the juncture of the extension and the comb.

2,150,261
PROCESS FOR SEPARATING PHOSPHORUS AND LIKE ELEMENTS FROM ORES
Harold Alexandre Blackwell and William Lawrence Turner, Garston, Liverpool, England
Application November 26, 1937, Serial No. 176,754
In Great Britain December 10, 1936
7 Claims. (Cl. 75—10)

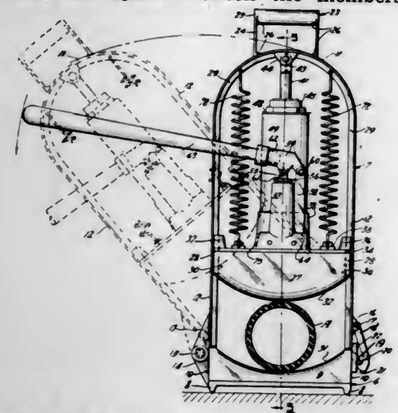


1. A process for separating phosphorus, sodium, silicon, sulphur or aluminium from compounds containing any one of the aforesaid elements, which comprises mixing the compounds with a quantity of graphitic carbon, as reducing-agent, in excess of that required to reduce the element present in the compound and heating the mix by high frequency induction to a temperature above the boiling point of the element but below the boiling point of the compound in which the element is contained in a closed still maintained at a barometric pressure not higher than 180 mm. and distilling the element from the reaction mix without liquefaction of the mix, and continuously extracting from the still the gases resulting from the reaction and separating the element from the extracted gases by fractional condensation.

2,150,262
SHUT-OFF DEVICE FOR FIRE HOSE
William W. Brittain, Minneapolis, Minn., assignor of one-half to John R. Long, Minneapolis, Minn.
Application June 4, 1938, Serial No. 211,915
9 Claims. (Cl. 251—5)

1. A shut-off device for a hose, comprising hose engaging members normally spaced and yieldably urged apart for receiving a hose therebetween,

pressure operated hydraulic jack means for decreasing the space between the members for



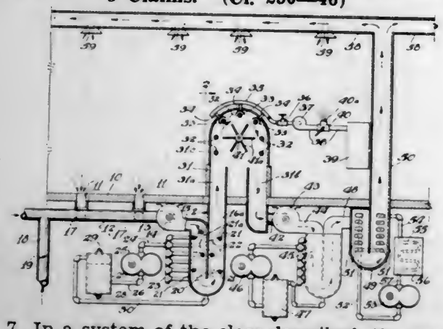
pinching the hose, and pressure relief means in the said jack means for limiting the extent of said decrease in spacing between the members.

2,150,263
SYSTEM FOR CLEANING, STERILIZING, AND CONDITIONING AIR

Jacques W. D. Chesney, Algonquin, Ill., assignor to New Discoveries, Incorporated, Chicago, Ill., a corporation of Illinois

Application July 2, 1937, Serial No. 151,583

8 Claims. (Cl. 250—46)



7. In a system of the class described, the combination of an enclosed air treating compartment having air inlet and discharge passages, a generator of ultra-violet rays in said compartment, means for forcing air to be treated through said compartment adjacent said generator, said compartment having a window in its wall transparent to visible rays, and a member mounted in said compartment for movement by the flowing air stream therein, said member having thereon fluorescent material made visible by rays from said generator.

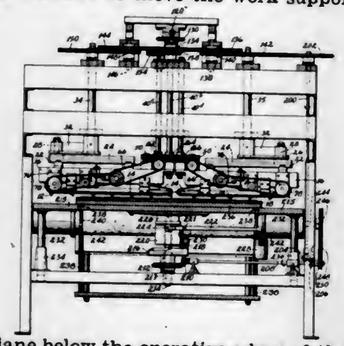
2,150,264
PUTTING-OUT MACHINE

John H. Connor, Newton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts

Application January 13, 1937, Serial No. 120,425

16 Claims. (Cl. 149—20)

10. In a machine for putting-out hides and skins, each having front and rear shank portions extending at an angle to the backbone line of the hide or skin, a plurality of sets of slicker blades, carriers for the blades, a work support movable to carry the hide or skin with the backbone line thereof centrally placed and extending parallel to the direction of movement of the work support, means to operate the blades in sets along paths extending directly away from each other while treating intermediate portions of each hide or skin, means to move the carriers at an angle to each other related to the axes of the front and rear shank portions of the hide or skin, means operated in timed relation to the moving means for the carriers to move the work support along



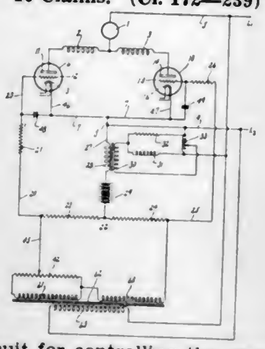
in a plane below the operative edges of the blades whereby the carriers and blades will occupy successively the different angular relationships necessary to treat the intermediate and the shank portions of each hide or skin, a table over which the work support is movable to present the hide or skin to the sets of blades, and means operated in timed relation to the work support moving means to raise the table to press the hide or skin against the sets of blades during the operation of the latter on a given hide or skin.

2,150,265
MOTOR CONTROL SYSTEM

Richard E. Conover, Dayton, Ohio

Application December 18, 1935, Serial No. 55,053

10 Claims. (Cl. 172—239)



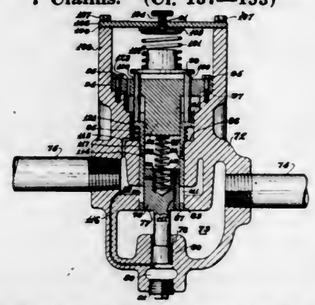
1. A circuit for controlling the operation of a direct current motor from an alternating source of power comprising an ignition controlled discharge tube having an anode, a cathode and a grid, the anode being connected to said motor, an alternating source of power connected to said motor and to the cathode of said tube whereby the anode of said tube is maintained at a positive potential with respect to its cathode during the positive half of the alternating current cycle, means including an alternating source of power and a negative direct current source of power for maintaining the grid of said tube at a negative or zero potential with respect to the cathode, thereby preventing the discharge of said tube and maintaining the motor at rest, and means for supplying additional alternating current potential in phase with the anode-cathode source of potential to said grid from an alternating source of power whereby the tube will be discharged and a circuit will be established to supply current to said motor.

2,150,266
FLUID PRESSURE DEVICE

John C. Cotner, Logansport, Ind., assignor to Logansport Machine, Inc., Logansport, Ind., a corporation of Indiana

Application March 14, 1936, Serial No. 68,898

7 Claims. (Cl. 137—153)



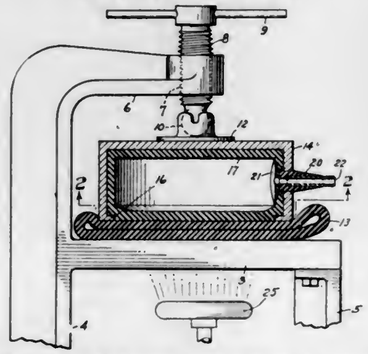
1. A fluid pressure device comprising, in combination, a body member, a major valve having a movable member slidably mounted in the body member, said movable valve member having two oppositely disposed fluid portions for hydrostatically actuating the movable valve member, said oppositely disposed fluid portions being in communication with each other through a restricted by-pass, and a pilot valve sleeve slidably mounted around the movable valve member for controlling the pressure of the fluid acting against one of said oppositely disposed fluid portions to govern the operation of the said movable valve member, said pilot valve sleeve being controlled in response to the pressure of the fluid on the entrance side of the major valve.

2,150,267
TUBE VULCANIZER

Frank Delano, Huntington Park, Calif., assignor of one-third to Harry W. Crosswhite, Maywood, Calif., and one-third to Fred Maigre, Huntington Park, Calif.

Application May 22, 1937, Serial No. 144,118

4 Claims. (Cl. 18—18)



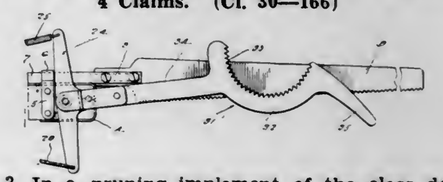
2. A tube vulcanizer comprising a conductive plate, means to heat same, a metallic, pressure-resisting housing on the plate, the housing being flat sided adjacent the plate, there being an opening on said flat side, the remaining portion of said side around the opening providing inwardly directed flange means, an elastic bag in the housing flush with the flange, a tube disposed on the plate, an air coupling opening into the bag and extending through the wall of the housing, and means clamping the housing with its contained bag in tube-vulcanizing position on the plate.

2,150,268
PRUNING IMPLEMENT

Walter R. Denton, Baldwin, N. Y., assignor of one-half to Walter Denton, Jr., Baldwin, N. Y.

Application October 16, 1937, Serial No. 169,488

4 Claims. (Cl. 30—166)



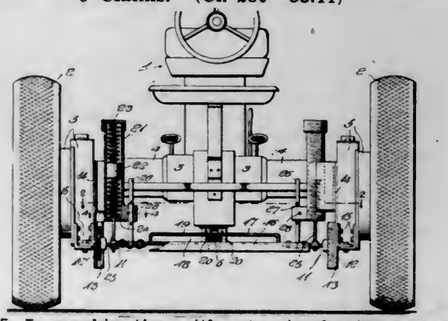
3. In a pruning implement of the class described, a longitudinally elongated reach pole, a manually controlled saw disposed at the outer end of said pole, remote control operating means for the saw slidably mounted on the pole, a limb-engaging jaw unit comprising an arcuate jaw disposed alongside of and in substantial parallelism with the saw, said jaw being provided with anti-slipping teeth, the outer end of said jaw being fashioned to provide a laterally directed cam finger disposed at acute angles with respect to the longitudinal dimension of the saw, an operating arm attached to the inner end of said jaw, a cross-head pivotally mounted intermediate its ends on the outer end of said reach pole, said arm being operatively adjoined to the intermediate portion of said cross-head, a coiled spring attached to one end of the cross-head and adjustably anchored on the intermediate portion of the reach pole, and a release cord attached to the opposite end of the cross-head and fastened on the pole.

2,150,269
FLOATING DRAWBAR GUIDE FOR TRACTORS

Gerald H. Dreisbach, Wauseon, Ohio

Application September 3, 1937, Serial No. 162,359

9 Claims. (Cl. 280—33.44)



5. In combination with a tractor having a rear wheel assembly including rear wheel axle housings, and a drawbar, a guide member extending between and slidably mounted on the axle housings for direct up and down movements perpendicular to the plane of the tractor, means for connecting the drawbar with said guide member, means for yieldingly opposing movements of the

guide member in said plane, and means for locking said guide member against such sliding movements.

2,150,270

REVIVIFICATION OF CATALYSTS FOR HYDROGENATION AND LIKE PROCESSES

Thomas Harold Durrans, London, and Bernard Thomas Dudley Sully, Ewell, England

No Drawing. Application August 4, 1937, Serial No. 157,448. In Great Britain October 8, 1936

5 Claims. (Cl. 23—238)

1. A method of reactivating after use a nickel catalyst in the form of an inert-liquid suspension of finely particulated metallic nickel, which consists in passing superheated steam through the used catalyst suspension so as to convert the nickel therein to nickel oxide and then reducing the nickel oxide thus formed to metallic nickel by treating the suspension with a reducing agent, throughout the steam treatment and subsequent reduction, the catalyst remaining suspended in the suspension medium.

2,150,271

REFRIGERATOR CAR DOOR

William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application August 4, 1937, Serial No. 157,307

15 Claims. (Cl. 20—23)



1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of guide means on said car extending lengthwise of the same; a pair of rotary operating bars on said door having sliding and rotary connection with said guide means; cooperating separable cam acting hinge members on said car and one end of said door; keeper means on the car; and a rotary cam acting locking bar at the other end of said door engageable with said keepers for forcing the door into said door opening and wedging said cam acting members together.

2,150,272

MARKING MACHINE

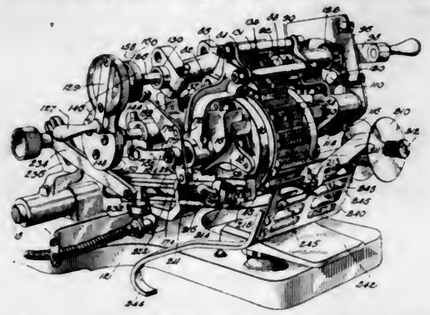
Harold Ernest Elliott, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 9, 1935, Serial No. 48,961

In Great Britain November 10, 1934

56 Claims. (Cl. 101—96)

1. A plurality of marking disks having marking characters on their peripheries, the marking characters on one of said disks overlapping the marking characters on the other disk, and means for separating said disks to permit the marking



characters on said disks to pass by each other when the disks are rotated relatively to each other.

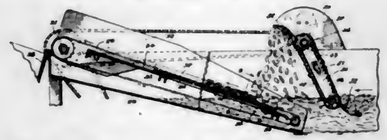
2,150,273

FOOD COOKING APPARATUS

Joseph D. Ferry, Harrisburg, Pa.

Application December 8, 1936, Serial No. 114,833

12 Claims. (Cl. 53—7)



1. The combination with a cooking kettle for the reception of a cooking liquid and articles of food, a discharge conveyor extending into the kettle and having means to adjustably control the rise of heat through the conveyor from the cooking liquid, and means for transferring the articles of food from the cooking liquid and turning the same over onto the conveyor.

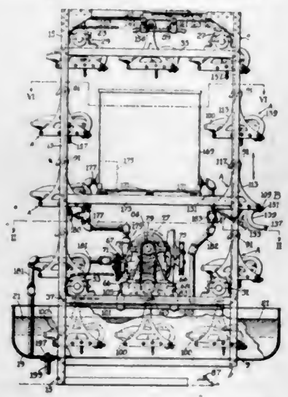
2,150,274

MACHINE FOR TREATING ARTICLES OF SHEET MATERIAL

Harry Gingell, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application September 18, 1936, Serial No. 101,479

9 Claims. (Cl. 91—46)



1. A machine for treating articles of sheet material having, in combination, means for causing them to travel in a closed path, and means for holding the articles loosely on edge in spaced relation and with their planes substantially parallel to their direction of travel, said holding means including a backing member for engaging the trailing ends of the articles.

2,150,275

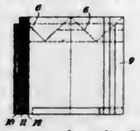
METHOD AND DEVICE FOR THE MECHANICAL PRODUCTION OF MULTIPLE WALLED PAPER BAGS

Max Goder, Neuss-on-the-Rhine, Germany

Application January 6, 1937, Serial No. 119,351

In Germany January 10, 1936

9 Claims. (Cl. 93—18)



1. A machine for mechanically producing multiple walled paper bags with cross or block bottoms, comprising in combination a sucker adapted to remove a wrapper sheet from a pile, rollers adapted to receive said wrapper sheet from said sucker, stops adapted to arrest the movement of said sheet, means for feeding a plurality of superposed webs, means for cutting said webs into sheets, means for guiding said sheets against said stops on the top of said wrapper sheet, and means for uniting said blanks with said wrapper sheet.

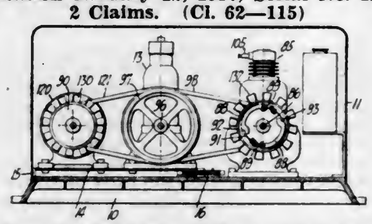
2,150,276

REFRIGERATING UNIT

Jesse E. Gorman, Oakland, Calif., assignor to E. L. Kennedy, Oakland, Calif.

Application January 12, 1937, Serial No. 120,151

2 Claims. (Cl. 62—115)



1. In a refrigerating unit comprising a compressor having two power units connected thereto to drive the same alternatively; the combination of air circulating means mounted upon each of said power units, a releasable connection between each of said power units and the aforesaid air circulating means mounted thereon, and a driving connection between each of said power units and the aforesaid air circulating means mounted on the other of said power units, whereby either power unit may operate both of said air circulating means independently of the other of said power units.

2,150,277

HEEL-SEAT FITTING MACHINE

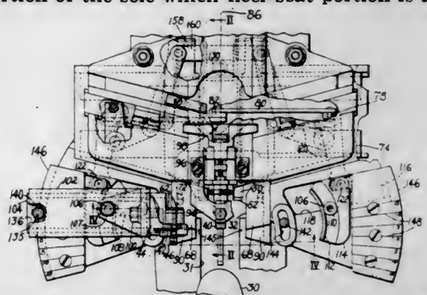
George Hazelton, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 11, 1938, Serial No. 207,217

In Great Britain May 29, 1937

8 Claims. (Cl. 12—31.5)

1. A heel-seat fitting machine having, in combination, crease plates constructed and arranged to be forced against and stopped by an adhesive bond securing a sole to a compo shoe, means for trimming surplus material from the heel-seat portion of the sole which heel-seat portion is ad-



hesively secured throughout substantially its entire extent to the bottom of the shoe, and means for breaking the adhesive bond securing said surplus material to the shoe bottom in order to release said material from the shoe bottom.

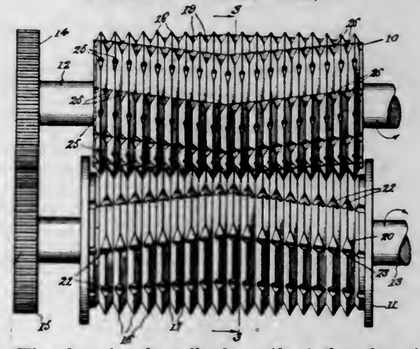
2,150,278

METHOD OF MANUFACTURE OF CANE CRUSHING ROLLS

Francis Hegenbarth, Birmingham, Ala.

Application January 21, 1937, Serial No. 121,675

3 Claims. (Cl. 29—148)



1. The herein described method for forming bottom rolls for cane crushing apparatus, which consists in initially casting a rough cylindrical blank from metal, during the casting operation applying cores in the surface of the rough cylinder to form lateral hook grooves in the initial roughly cast cylindrical blank, transferring the blank so formed to a lathe and cutting spaced circumferential grooves in the blank deeper than the cast hook grooves to produce alternate annular grooves and ribs upon the surface of the cylinder with the hook grooves remaining only in the ribs, and with the bottoms of the hook grooves being spaced radially outward from the base lines of said annular grooves.

2,150,279

STIFFENER PLACING MACHINE

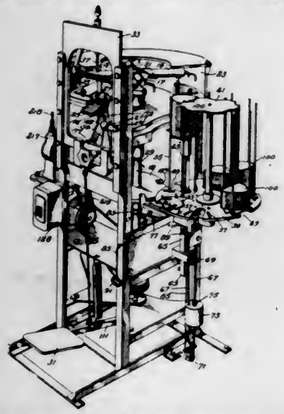
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 5, 1937, Serial No. 140,974

36 Claims. (Cl. 12—52)

1. A machine of the class described having, in combination, a support for a partly fabricated

shoe, a magazine for a stack of shoe parts, a source of supply of a softening medium, and a rotatable and slidable carrier for taking a shoe



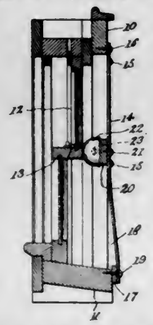
part from the stack, for subjecting it to the action of the medium, and for depositing the softened shoe part upon the shoe.

2,150,280

WINDOW PROTECTOR

Charles M. Killian, Miami, Fla., assignor to Dan L. Killian, Kendall, Fla.

Application July 30, 1937, Serial No. 156,567
Renewed February 1, 1939
8 Claims. (Cl. 20—58)



1. In combination with a window frame having a window opening and sashes slidable in said opening, a protector plate removably mounted over said window opening, means to secure said protector plate to the window frame, a cross-piece carried by the protector plate at an intermediate portion thereof and having its end portions engaging within and against said window frame, and resilient bumpers carried by said cross-piece for engaging a window sash.

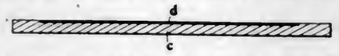
2,150,281

METHOD OF PRODUCING PRINTING SURFACES FOR INTAGLIO PRINTING

Josef Koch, Essen, Germany

Application October 19, 1937, Serial No. 169,785
In Germany February 28, 1935
1 Claim. (Cl. 95—5.6)

A method of producing printing surfaces for intaglio printing, characterized in that the metal of the printing surface to be produced is provided with a uniformly deep screen, and in that the letterpress and images are reproduced on a light sensitive film mounted upon a suitable support, the film corresponding in thickness to the depth of the screen, whereupon the film after



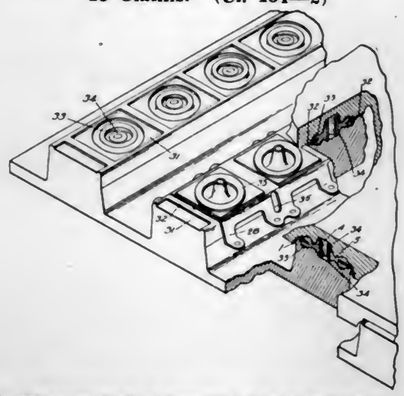
being softened or soaked is pressed down with the film side upon the untreated screened metal surface so that the light sensitive film enters the hollows of the screen, after which the film support is removed, and the film is developed.

2,150,282

METHOD OF FORMING JOINTS AND JOINT STRIPS ADAPTED TO FORM JOINTS

Hugh C. Lord and Thomas Lord, Erie, Pa.; said Thomas Lord assignor to said Hugh C. Lord

Original application June 23, 1931, Serial No. 546,214. Divided and this application November 3, 1933, Serial No. 696,529
18 Claims. (Cl. 154—2)



1. The method of forming joints which consists in forming a plurality of openings in a metal plate, providing said openings with central members, providing rubber in bonding relation to the flat plate and said central members with the members placed within the projected area of the openings and in the rubber, bonding the rubber in place by vulcanization of the body of rubber to a resilient consistency, securing the same to the central member and to the face of the plate, and severing the plate to form individual joints.

7. A joint strip for forming joints comprising supporting and load carrying members spaced apart, one of which comprises an elongated strip, and rubber united with the members during vulcanization extending through free space between the members, the joint strip being adapted to form a plurality of joints when severed.

2,150,283

METHOD OF AND MEANS FOR TREATING CITRUS FRUITS

John R. MacRill, Whittier, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Continuation of application Serial No. 704,054, December 26, 1933. This application November 16, 1937, Serial No. 174,823
6 Claims. (Cl. 99—168)

1. In a method of processing citrus fruit, the step of applying substantially uniform quantities of wax thereto in regulated amount by contacting washed fruit with an aqueous emulsion containing from 0.3% to 3.5% of waxy constituents, not more than about 15% of hydrocarbon solvent, an ethanolamine soap, and from 0.25% to 1.25% of soda ash, the balance consisting essentially of water and then introducing the fruit, while still wet, into storage and permitting the surfaces of the fruit to dry during such storage.

6. An emulsion suitable for use in applying a waxy coating to citrus fruits whereby it is possible to place the fruit still wet with said emulsion in storage and there permit the surfaces thereof to dry, said emulsion comprising a total of from 0.3 to 3.5% of paraffin and carnauba wax, vegetable oil, fatty acid and triethanolamine, kerosene in amount not more than 15%, about 1% of soda ash, and from 65% to 98% of water.

2,150,284

WASHING AND CONDITIONING MATERIAL FOR CITRUS FRUIT

John R. MacRill, Whittier, and Robert D. Nedvidek, Pomona, Calif., assignors to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Continuation of application Serial No. 705,026, January 2, 1934, which is a division of Serial No. 440,156, March 29, 1930. This application November 19, 1937, Serial No. 175,471
1 Claim. (Cl. 99—168)

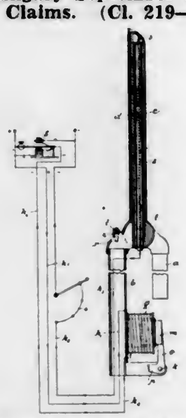
A washing and conditioning solution whereby citrus fruit may be cleansed of foreign matter and simultaneously provided with a pine oil or citrus terpenes and waxy film during such cleansing operation, comprising: an aqueous soap solution to which there has been added an emulsion of kerosene and waxy material and an ethanolamine soap, and from about 0.02% to 0.25% of a material from the group consisting of pine oil and citrus terpenes, the treating solution containing less than about 10% of kerosene and from about 0.75% to 15% of waxy material by weight of said kerosene.

2,150,285

HAIR CURLING APPARATUS

Béla Marek and Claude Sebesta, Budapest, Hungary

Application December 11, 1936, Serial No. 115,384
In Hungary September 18, 1936
5 Claims. (Cl. 219—24)



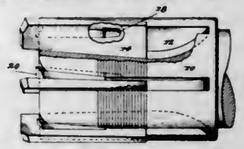
1. Hair curling apparatus comprising a pair of clamping tongs which can be opened and closed scissor-like, a handle grip on each tong, one of said tongs being cylindrical and the other having a trough-like cross section, an electric heating device in said cylindrical tong, an electro-magnet, an automatic circuit-breaker in series with said electro-magnet, an armature for said electro-magnet, and means connected with said armature for opening the tong of trough-like cross section each time the circuit of the electro-magnet is closed by said circuit breaker while when the circuit is broken said trough section tong can be closed by pressure of the hand.

2,150,286

INSERTED BLADE CUTTER

Frank P. Miller, Meadville, Pa.

Application April 19, 1934, Serial No. 721,394
1 Claim. (Cl. 29—105)



In an inserted blade cutter, a body having a slot provided with parallel side walls; a work engaging blade in said slot and having a cutting end portion, said blade being formed with a uniform radial taper continued to the outer edge portion thereof, thus leaving unbroken the cutting end portion of the blade; and a longitudinally tapered wedge extending lengthwise of said blade in pressure engagement therewith, there being a groove for the reception of said wedge and extending substantially lengthwise of the blade; said wedge, said groove and said blade being diminished in cross sectional area substantially lengthwise of the blade and in the same direction.

2,150,287

SPONGE RUBBER BODY OF DIFFERENT DENSITIES

Henry R. Minor, Dayton, Ohio, assignor to Industrial Process Corporation, Dayton, Ohio, a corporation of New York

Original application May 16, 1936, Serial No. 80,191. Divided and this application December 21, 1936, Serial No. 116,959
1 Claim. (Cl. 18—53)



In a method of forming a homogeneous sponge rubber body comprising sections of varying densities, arranging stock rubber sheets of different physical properties in overlapping position with horizontal and vertical portions enclosing mold projections with the vertical portions of the stock arranged between the mold projections; enclosing the mold in an atmosphere of carbon dioxide gas under pressure; and so regulating the temperature to which the stock and mold are subjected and the rate of escape of the carbon dioxide gas that a homogeneous body of sponge rubber of predetermined configuration having certain integral sections of different physical properties and densities is formed.

2,150,288

AIR PISTOL

Franz Möller, Zella-Mehlis, Germany

Application February 1, 1937, Serial No. 123,539
In Germany January 31, 1936
12 Claims. (Cl. 124—15)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

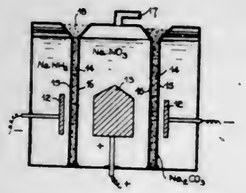
1. An air weapon comprising a barrel rotatable around a fixed point to permit the barrel

to tilt, a stationary air cylinder having a piston therein and a compression spring for driving said piston when the spring is tensioned, a trigger mechanism, a cocking lever, a cocking rod connected at one end to the cocking lever and the other end cooperating with the piston, and a



spring-urged catch rod having one end projecting into the air cylinder and in the path of the piston to hold said piston under the tension of said compression spring, and the other end contacting directly with the trigger, said cocking rod and catch rod telescoping relative to each other.

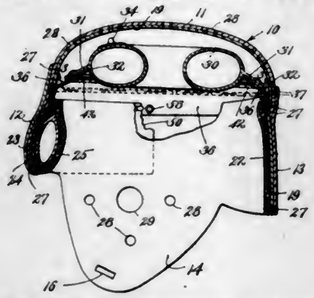
2,150,289
METHOD FOR THE ELECTROLYTIC PRODUCTION OF ALKALI METALS
Ivar Juel Moltkehansen, Uccle, Belgium
Application October 25, 1934, Serial No. 750,008
In France October 31, 1933
10 Claims. (Cl. 204—21)



1. A method for the electrolytic production of alkali metals in an electrolytic cell having two electrodes, the cathode being of a metal other than the metal which is to be obtained, and a diaphragm separating the cell into anodic and cathodic compartments, comprising introducing an anolyte of a fused compound of the alkali metal to be produced in the anodic compartment of said cell and a catholyte of a fused auxiliary compound selected from the group consisting of amides and carbonates of the alkali metal to be produced in the cathodic compartment, and passing a direct electric current between said electrodes to electrolyze said anolyte forming the alkali metal to be produced at the cathode and causing anodic products accidentally entering the cathodic compartment to react with the catholyte to regenerate the anolyte with simultaneous liberation of a gas formed from said auxiliary compound.

2,150,290
ATHLETIC HELMET
Joseph A. Mulvey, Andover, Mass.
Application October 30, 1937, Serial No. 171,858
10 Claims. (Cl. 2—3)

1. A helmet comprising a casing adapted to fit over the head of the wearer, an annular pneumatic cushion mounted within said casing adjacent the crown portion thereof but spaced apart therefrom, said cushion having a peripheral reenforced flange detachably fastened to said casing and being adapted for engaging the crown of the



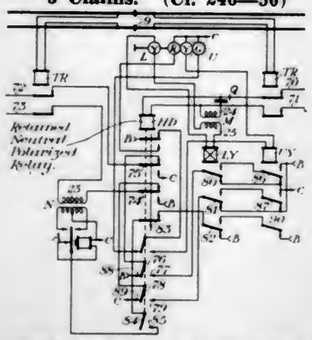
head of the wearer for protecting it against shocks and impacts.

2,150,291
FENCE POST
Edward J. Paque, Cincinnati, Ohio, assignor to The Pollak Steel Co., Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1937, Serial No. 176,424
3 Claims. (Cl. 189—29)



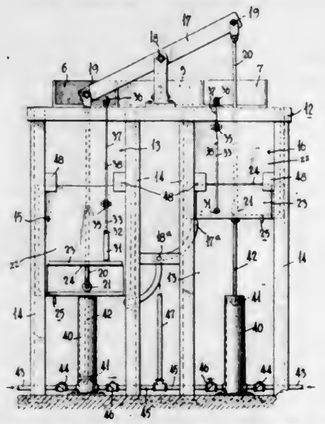
1. A fence post comprising an elongated channel member U-shaped in section with flat marginal flanges, and an anchor member secured to said channel member, said anchor member having a portion extending within the channel thereof and other portions on either side engaging with the flat marginal portions of the post and extending therebeyond parallel thereto, said other portions extending on the outside of the fence post and parallel to the fence wires.

2,150,292
RAILWAY SIGNALING
George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 27, 1936, Serial No. 98,211
3 Claims. (Cl. 246—50)



1. In combination, a forward and a rear section of railway track, a signal for the forward section including a first lamp and a second lamp, means effective when the forward section is unoccupied to light only said first lamp or to light both said lamps in accordance with traffic conditions in advance of the forward section, a first relay connected in series with said first lamp, a second relay connected in series with said second lamp, a pair of conductors for the rear section governed by traffic conditions in that section, and means including contacts of said first and said second relays for controlling the character and direction of the energy supplied to said pair of conductors.

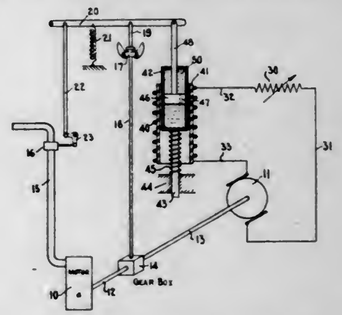
2,150,293
HYDRAULIC MOTOR
Benjaman J. Pugh, Hamilton, Mont.
Application May 18, 1938, Serial No. 208,658
11 Claims. (Cl. 103—55)



1. A hydraulic motor of the character described, comprising a plurality of vessels, means for guiding the vessels and for causing each to rise as the other descends, means supplying water to the vessels when in uppermost position, valve means controlling the last-mentioned means for causing the water to flow to one vessel while it is in uppermost position and for cutting off the supply of water at that time to the other vessel, a discharge valve for each vessel opening in the direction of outward flow of water from the vessel, and means operatively connecting the discharge valves to said valve means for causing shifting of the valve means by a discharge valve each time the discharge valve of each vessel is opened.

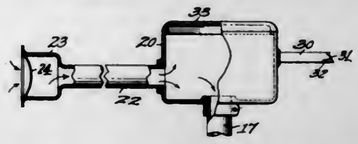
2,150,294
SPEED REGULATING MEANS FOR DIRECT CURRENT GENERATOR UNITS
Vernon Roosa, Dobbs Ferry, and Eugene Silber, New York, N. Y.
Application December 8, 1937, Serial No. 178,828
4 Claims. (Cl. 290—40)

1. In a device of the type described for controlling the speed of an electrical current supply unit connected to and feeding an electrical power transmission network having an electrical load thereon subject to variations substantially unprognosticatable, said unit comprising a direct current generator and a prime mover connected with and driving said generator, mechanically operated means for regulating the speed of said prime mover, electrically controlled means associated with and adapted to independently actuate said mechanically operated means for regulating the speed of said prime mover, said electrically controlled means being associated with, connected to and forming part of said electrical power transmission network and being actuated substantially instantaneously by and in a degree proportional to any and all substantially instantaneous variations of appreciable magnitude in the electrical load on said network although being substantially unaffected by gradual variations in load and by those of relatively inappreciable magnitude, said electrically controlled means comprising a helix formed of electrically conductive material connected to said power transmission network whereby at least a portion of the current applied to said electrical load passes through said helix, a core positioned within said helix, sup-



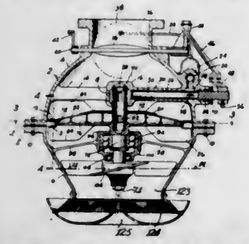
porting means for said core whereby said core can move coaxially relative to and within said helix though normally said core is held within said helix with a portion of said core projecting therefrom, and means connected with said core adapted to actuate said mechanically operated means for regulating the speed of said prime mover whereby said means is operated in a degree proportional to and practically simultaneously with substantially instantaneous variations of appreciable magnitude in the electrical load on said network.

2,150,295
VAPORIZING APPARATUS
Amos N. Somers, Westboro, Mass.
Application November 24, 1937, Serial No. 176,268
1 Claim. (Cl. 123—119)



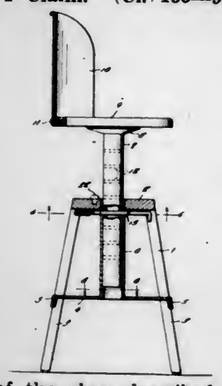
Vaporizing apparatus for an internal combustion engine having a cooling fan, comprising a carburetor having an air intake, a vertical cylindrical air storage chamber of substantial capacity freely connected through its bottom to said carburetor intake, said storage chamber being of greater horizontal diameter than vertical length and having a removable top cover to facilitate cleaning, an air supply pipe for said chamber having an enlarged front end positioned adjacent the rear face of said fan and in the blast of air therefrom and having its rear end connected into the front side wall of said storage chamber, said supply pipe being of very much less diameter than said storage chamber, an air filter in said air supply pipe, a relatively small vent pipe extending outward from the rear wall of said storage chamber, and a yielding relief valve mounted at the outer end of said vent pipe and effective to maintain the excess air pressure produced by said air blast in said storage chamber at a predetermined and constant amount.

2,150,296
CARBURETOR FOR INTERNAL COMBUSTION ENGINES
Robert L. Spencer, Los Angeles, Calif.
Application January 20, 1936, Serial No. 59,924
6 Claims. (Cl. 261—79)



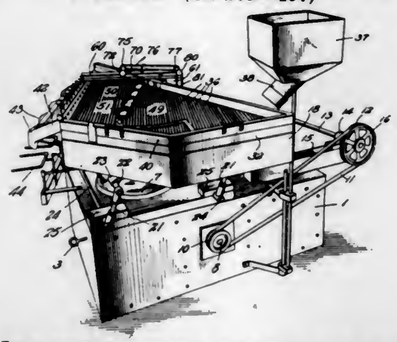
1. In the carburetor adapted to be used in connection with the internal combustion engine, a housing, a plurality of turbulence vanes internally positioned within said housing, a fluid distributing means mounted upon a shaft and rotatably positioned within said housing having a plurality of fluid jets positioned in juxtaposition to said turbulence vanes, a fluid controlling valve connected to said housing, internally extending therein and connecting with said fluid distributing tank chamber, a pair of convexly shaped fans positioned upon and beneath the said distributing chamber, extending over and under the said turbulence vanes and adjustable fan connected to said shaft adapted to revolve the said distributing chamber within said housing and induce a volume of air through said convexly shaped fan and said turbulence vanes, thus thoroughly mixing said air with hydro-carbon fluid emanating from the said distributing chamber of the said carburetor.

2,150,297
CHAIR
Joseph Stewart, Harvey, Ill.
Application March 17, 1938, Serial No. 196,555
1 Claim. (Cl. 155—94)



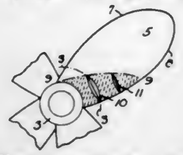
A chair of the class described comprising a stool-like base having a top, legs supporting the top, and a spider-like support extending horizontally between said legs intermediate the ends thereof, a tubular guide disposed in the vertical center of the base and having its opposite ends secured in said top and support, respectively, a post vertically slidable in said guide to different positions, and means to lock the post to the guide in the different positions thereof comprising a forked locking member having a locking leg adapted to be removably inserted in said guide and post and a second leg adapted to be connected to said top, said guide having an aperture therein for receiving the locking leg, and the post having diametrical bores therein spaced longitudinally thereof for registration with said aperture and insertion of said locking leg therein, and means swingably securing the member to said top comprising a coil spring connected to said other leg and top, respectively, and tensioning the said member against removal from said aperture and bores.

2,150,298
SEED CLEANER AND GRADER
Frank O. Taylor, Hot Springs, Mont., assignor to The Taylor Seed Cleaner & Grader Company, Hot Springs, Mont., a corporation of Montana
Application December 17, 1936, Serial No. 116,427
3 Claims. (Cl. 209—467)



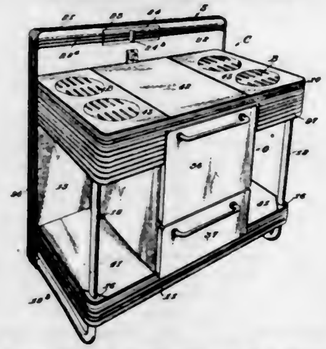
1. In a seed cleaner and grader, a deck having a frame, a sheet of foraminous material in said frame, strips in said frame over said sheet spaced transversely from each other, a support carried by said frame and having an arcuate bar extending transversely of said strips, a mounting carried by said bar and adjustable longitudinally thereon, a bearing carried by said mounting, a second support spaced from the first support longitudinally of said strips, a mounting having a pivotal connection with the second support for turning adjustment about a vertical axis, a bearing carried by the second mounting, a rotary brush extending longitudinally of said strips and rotatably mounted in said bearings, the brush being eccentric to the bearings and the bearings being adapted to be turned in the mounting to adjust the brush relative to the strips, means for imparting rotary motion to said brush, and means for actuating said deck and causing movement of seed along the deck across said strips.

2,150,299
PROPELLER
Edmund Victor Telfer, Newcastle-upon-Tyne, England
Application October 11, 1937, Serial No. 168,474
6 Claims. (Cl. 170—170)



1. A propeller provided with overlapping blades, each blade having on its suction face a rib disposed substantially concentric with the propeller axis, said rib being of a longitudinal length from the trailing edge to span the reduced pressure region on that blade induced by the next preceding blade.

2,150,300
RANGE AND REFRIGERATOR CONSTRUCTION
Jacob Teller and Arthur P. Schulz, Chicago, Ill., assignors, by mesne assignments, to said Jacob Teller and Grace Teller, Chicago, Ill.
Application April 13, 1936, Serial No. 74,215
10 Claims. (Cl. 29—148.2)



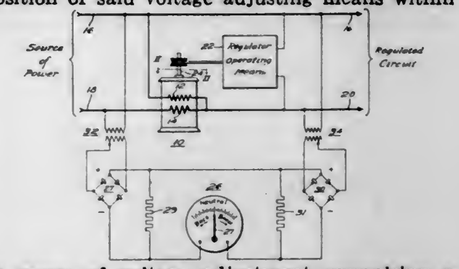
1. A method of constructing a frame for cabinets which comprises the following steps, bending strips of pre-formed sheet metal into rectangular forms, welding the ends of said strips to provide a pair of rectangular members, disposing perforated filler blocks in the corners of said members, securing gussets to said members for confining the filler blocks in the corners of said members, and inserting adjacent ends of sectional supporting members in the perforations in said filler blocks.

2,150,301
TRANSPARENT NETTING
John S. Tinsley, New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,195
4 Claims. (Cl. 91—68)

1. A transparent netting comprising a netting coated with a film including a mixed fatty acid ester of cellulose selected from the group consisting of cellulose acetopropionate, cellulose acetobutyrate and cellulose acetovalerate; a plasticizer selected from the group consisting of triphenyl phosphate, dibutyl phthalate and tricresyl phosphate; and a resin selected from the group consisting of non-drying oil modified alkyd resins, castor oil modified polyesters of sebacic acid and phthalic anhydride-glycerol resins.

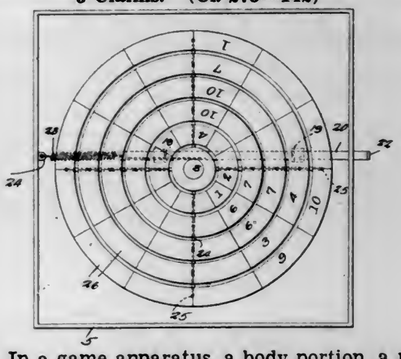
2,150,302
INDICATING MEANS
Lester G. Tubbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1935, Serial No. 22,787
6 Claims. (Cl. 177—311)

1. In a system comprising an electrical power circuit, a load circuit energized therefrom, and voltage adjusting means interconnected with said circuits for adjusting the voltage of the load circuit, the combination of means for indicating the position of said voltage adjusting means within



its range of voltage adjustment comprising a voltmeter and a circuit for impressing thereon a measure of the difference between the voltages acting in the said power and load circuits.

2,150,303
GAME
Harry O. Walker, Phoenix, Ariz.
Application July 26, 1937, Serial No. 155,756
3 Claims. (Cl. 273—142)

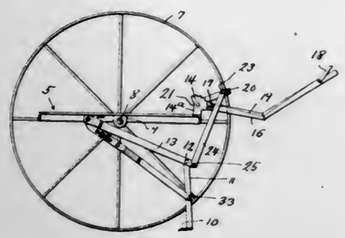


3. In a game apparatus, a body portion, a post rising from the body portion, a plurality of superimposed hub sections mounted for rotary movement on the post, means for connecting the hub sections, teeth extending from the hub sections, the teeth of adjacent hub sections being extended in opposite directions, a ring member positioned over each hub section, means for rotating the hub sections in one direction, and immediately rotating them in the opposite direction, clutching means on the ring members and engaging the teeth of the hub sections whereby adjacent ring members are rotated in opposite directions, and game plates movable with the ring members.

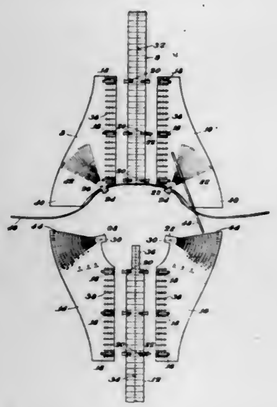
2,150,304
BINDWEED CUTTER
Arthur J. Warta, Ellsworth, Kans.
Application July 17, 1937, Serial No. 154,310
2 Claims. (Cl. 97—144.1)

1. In an agricultural implement of the character described, a wheel supported frame, a fixed pivot rod mounted on said frame, a blade carrying beam having one end pivotally engaged with said rod, a blade pivotally connected to the free end of said beam, a yoke member pivotally engaged with said pivot rod, a second yoke member, an adjusting screw connecting said yoke members together whereby the second yoke may be adjusted to the first yoke, and a bar pivotally connecting the second yoke with said blade

whereby the angle of the blade to the perpendicular may be adjusted by an adjustment of the second yoke relative to the first mentioned yoke, and means connected with said blade for moving the blade toward and away from the ground and for securing the blade at the desired position of adjustment for controlling the digging depth thereof.



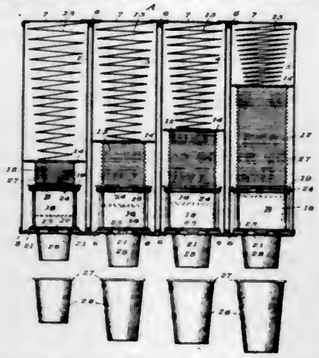
2,150,305
GARMENT FITTING DEVICE
Ray C. Welch, Chicago, Ill.
Application February 25, 1937, Serial No. 127,599
9 Claims. (Cl. 33—15)



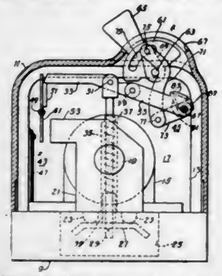
1. A garment fitting device comprising a sheet of flexible material having calibrations thereon and a flexible tension element secured to the upper portion of the sheet and adapted to pass around the neck and under the arms of a person to be fitted to secure the sheet thereto in predetermined relationship.

2,150,306
DISPENSER
Edwin G. Wessman, Easton, Pa., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application February 20, 1936, Serial No. 64,957
14 Claims. (Cl. 312—43)

1. A dispenser of the character described including a compartment adapted to receive a stack of receptacles or containers, a sectional cylindrical member positioned in the compartment for engaging the receptacles or containers, and a yieldable member normally holding the sections in cylindrical form but permitting withdrawal of the terminal receptacle or container from its stack by separation of the sections against action of the yieldable member.



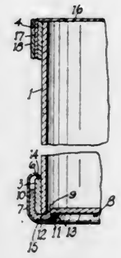
2,150,307
CIRCUIT INTERRUPTER
Kurt Wulsten, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1938, Serial No. 209,194
In Germany July 16, 1937
14 Claims. (Cl. 200—89)



1. In a circuit interrupter, a stationary contact, a cooperating contact movable to open and to closed circuit position, means biasing said movable contact to open circuit position, an actuating lever connected intermediate its ends to said movable contact, trip means normally releasably engaging and supporting one end of said lever, operating means engageable with the other end of said lever for moving said lever to open and to close said movable contact, and resilient means acting through the engagement of one of said last-mentioned means with said lever for producing a pressure engagement of said movable contact on said stationary contact when the interrupter is closed.

2,150,308
CONTAINER
James E. Annen, Kalamazoo, Mich.
Application August 13, 1938, Serial No. 224,701
9 Claims. (Cl. 229—5.7)

1. A container comprising a fibrous cylindrical side wall having an external hoop-like reinforce member at the bottom thereof, the upper edge of said reinforce member providing a ledge, a bottom having a depressed upwardly facing annular side wall receiving channel terminating in an upwardly projecting flange embracing the said reinforcing member of said side wall, the inner side wall of the said bottom channel being outwardly inclined, and a rim member of inwardly facing channel cross section having its lower arm upwardly curved to embrace said channel on said bottom and disposed in supporting engagement therewith and its upper arm in retaining engagement with the said ledge, the flange on said bottom being clamped between said reinforcing member and said rim, the outwardly inclined wall of said bottom channel acting to expand the side wall into engagement with the rim when the side wall is forced downwardly into the said bottom channel.



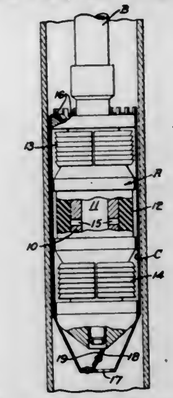
2,150,309
METHOD OF TREATING YARN AND THE LIKE WITH FLUIDS
Everett C. Atwell, Cranston, R. I., assignor to Franklin Rayon Corporation, Providence, R. I., a corporation of Rhode Island
Application February 6, 1937, Serial No. 124,520
1 Claim. (Cl. 8—155)



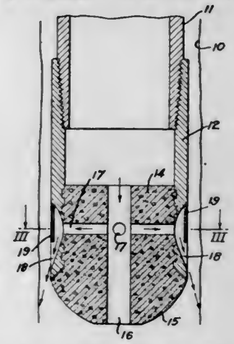
The method of treating yarn with fluids which comprises winding a mass of the yarn on a hollow perforated core in layers of openly-spaced crossing coils, winding an outer layer on the mass with a spool-wind to cover the interstices in the open cross-wind, and passing a treating fluid outwardly through the perforated core and the surrounding yarn mass.

2,150,310
PROTECTIVE MEANS FOR DEEP WELL PACKERS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application December 12, 1938, Serial No. 245,236
7 Claims. (Cl. 166—1)

1. A protective housing comprising a cylindrical shell adapted to be slipped over a well device, said shell having at its upper end a yielding retaining means adapted to be engaged with said well device, and a closed lower end in which an inlet opening is formed, and an inlet valve controlling said opening.



2,150,311
WASH-DOWN AND CEMENTING SHOE FOR WELL CASINGS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application December 12, 1938, Serial No. 245,237
4 Claims. (Cl. 166—9)

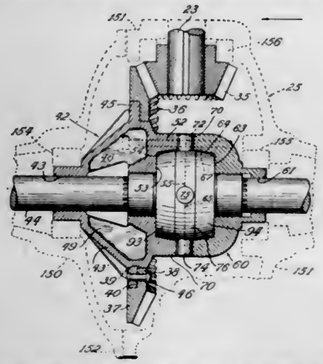


1. A wash-down shoe for well casings comprising a tubular cylindrical member adapted to be connected to the lower end of a well casing, a plurality of nozzles formed about the circumference of said shoe at spaced distances apart, each of said nozzles comprising an elongated groove formed in the outer surface of said cylindrical member and arranged generally vertically with respect to the same and communicating with the interior of the shoe, baffle means secured to the shoe and overlying the upper portions of said grooves so that fluid discharged through said grooves will be directed downwardly with respect to the shoe.

2,150,312
DIFFERENTIAL MECHANISM
Allen L. Barnes, Oak Park, Ill., assignor to Perfection Gear Company, Harvey, Ill., a corporation of Illinois
Application June 30, 1938, Serial No. 216,747
17 Claims. (Cl. 74—389.5)

1. In a differential, the combination of a flat

driving member rotatable in its own plane about an axis, said member having a series of separate channels therethrough parallel to and equidistant from said axis, a driven plate on each side of the driving member and coaxial therewith, a plurality of pins carried by each of said plates on opposite sides of the driving member, opposed pins normally extending toward each other in each channel to form a cooperating pair, means for urging said pins toward each other to a normal advanced position, said pins and channels being so related as to provide a predetermined angular lost motion with respect to the channel



along the line of rotation, said driven plates being normally adapted to be retarded to press at least certain of the pins against the trailing shoulders of the channels, a ball in each channel and having a similar lost motion and adapted to be between opposite ends of each cooperating pair of pins during normal conditions and means on said pins whereby any advance of one pin with respect to an opposing pin results in said ball tending to increase the distance between the opposing pins so that one of the pins of each pair is forced into a retracted position to clear the channel and slide by along the surface of the driving member.

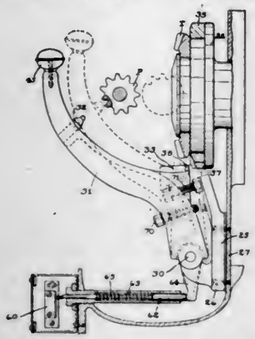
2,150,313

TOOTH ALIGNING DEVICE

Oliver F. Bauer, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application August 25, 1937, Serial No. 160,879

15 Claims. (Cl. 90—2)



1. In a machine for running two toothed members together, the combination with a pair of supports, one for each toothed member, and means for adjusting one of said supports relative to the other to move the toothed members into and out of engagement, of means for aligning the teeth of one member with the tooth spaces of the other after the toothed members have been mounted on their respective supports and while they are out of engagement.

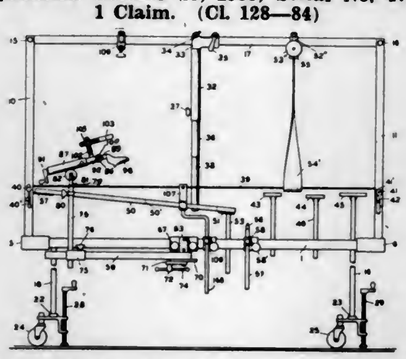
2,150,314

ORTHOPEDIC APPARATUS

William L. Bell, San Francisco, Calif., assignor to Gilbert Hyde Chick, Oakland, Calif.

Application October 28, 1935, Serial No. 47,066

1 Claim. (Cl. 128—84)



An orthopedic apparatus including a main frame; a superstructure supported by said frame; a taut relatively narrow flexible strip supported intermediate said frame and superstructure, an X-ray penetrable perineal post mounted on said superstructure and extending downwardly through said strip; and traction means on said frame in operative relation to said strip and post.

2,150,315

PROCESS FOR PRODUCING VITAMIN FOOD PRODUCTS

André E. Briod, Belleville, and Bion R. East, East Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application July 16, 1936, Serial No. 90,888. Renewed October 22, 1938

9 Claims. (Cl. 99—11)

1. In a process for the vitamin enriching of food products, the steps which consist in homogenizing a concentrate of fat-soluble vitamins in a liquid milk carrier selected from the group consisting of cream and evaporated milk, sterilizing the homogenized emulsion thus produced and dispersing the sterilized emulsion in liquid food products.

2,150,316

VITAMIN CONCENTRATE AND PROCESS FOR PRODUCING SAME

André E. Briod, Belleville, and Bion R. East, East Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Original application July 16, 1936, Serial No. 90,888. Divided and this application October 23, 1937, Serial No. 170,582

8 Claims. (Cl. 99—11)

1. A process for producing a vitamin D concentrate adapted for addition to foods, which consists in emulsifying vitamin D concentrate with a milk product carrier selected from the class consisting of cream and evaporated milk, canning and sterilizing the resulting emulsion.

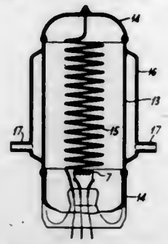
2,150,317

ELECTRON MULTIPLIER

Trevor H. Clark, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 26, 1938, Serial No. 186,949

4 Claims. (Cl. 250—175)



1. An electron multiplier comprising a unipotential secondary electron emitter having spaced surface portions facing each other, a grid-like anode coextensive with and positioned between said surface portions, and a thermionic cathode at one end of said emitter out of the path of secondary electrons flowing between said portions and through said anode.

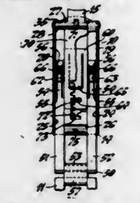
2,150,318

EXTENSIBLE BRACELET CLASP

John Dalo, Providence, R. I., assignor to A and Z Chain Company, Providence, R. I., a corporation of Rhode Island

Application March 4, 1937, Serial No. 129,023

9 Claims. (Cl. 24—71)



2. In an extensible clasp for bracelets, a clasp member, a slide in the clasp member having side rails with an opening therebetween, a latching member in the opening in the slide having angularly-disposed resilient portions and bearings at its sides embracing the side rails, a rack-plate fixed to the clasp member and overlying the latching member, one of the resilient portions of the latching member bearing against the clasp member and the other portion having a detent yieldingly held in engagement with the rack-plate whereby the slide may be slid into the clasp member and held against outward movement by the detent, and compression springs on the side rails engaging the bearings on the latching member to yieldingly hold the slide in adjusted position.

2,150,319

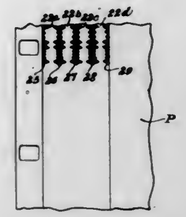
SOUND RECORD

Glenn L. Dimmick, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Original application June 4, 1931, Serial No. 541,976. Divided and this application December 29, 1934, Serial No. 759,652

13 Claims. (Cl. 274—41.6)

1. In a combined sound and picture film, a sound record within the space normally allotted for a single sound track, said record comprising a plurality of substantially identical sound tracks each delineating a wave front of the same sound



and the sum of the transparent areas of the tracks in said space having a mean width which decreases as the amplitude of the sound decreases.

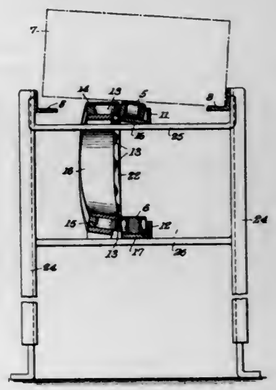
2,150,320

GUIDING MEANS FOR CONVEYER CHAINS

Hilding Edwards, New York, N. Y.

Application March 9, 1937, Serial No. 129,835

8 Claims. (Cl. 198—137)



3. In combination with the curved respective upper and lower runs of a conveyer chain adapted to follow an irregular path, anti-friction means for guiding said runs comprising an endless guide, and rollers disposed in said guide and having contact with said chain runs.

2,150,321

OVERHEAD DOOR

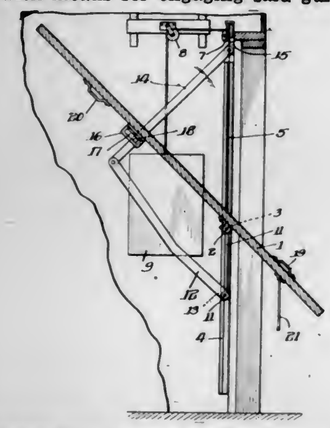
William D. Ferris, Sterling, and Cecil R. Wolf, Rock Falls, Ill., assignors to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois

Application August 11, 1937, Serial No. 158,550

15 Claims. (Cl. 20—19)

1. In a garage door construction, vertical guides at the opposite sides of the door, a single rigid section forming a movable door between said guides, and means for tilting and raising said door into an overhead open position, comprising vertical

links having their upper and lower ends provided with means for engaging said guides, and



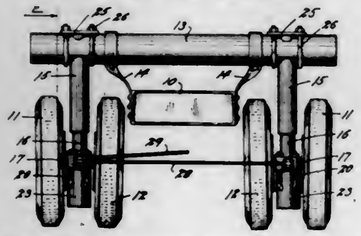
door-supporting means pivoted on the lower end of each link.

2,150,322

DUAL WHEEL SPRING MOUNTING

Vactor G. Garnett and Edward V. Garnett, Denver, Colo.

Application November 2, 1937, Serial No. 172,336
8 Claims. (Cl. 280—96.2)



1. Means for mounting a pair of dual wheels on a vehicle comprising: an axle block positioned between said wheels; axle studs extending oppositely from said axle block for receiving said wheels; an inner tube projecting upward from said axle block; a downwardly extending outer tube secured to said vehicle and telescopically receiving said inner tube; a spring cup secured to and extending downwardly from said axle block; a spring in said spring cup; a spring plate supported by said spring; a second spring extending from said spring plate upwardly through said axle block and through both the inner and outer tubes; and means for receiving the up thrust of said second spring.

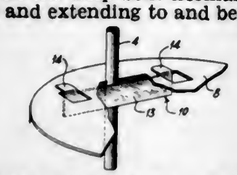
2,150,323

ELECTRODE MOUNT

Norval H. Green, North Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 29, 1938, Serial No. 187,639
4 Claims. (Cl. 250—27.5)

1. In an electrode assembly the combination of an insulating spacer, a rigid support member for the spacer passing through the spacer, a flat metal strip, said strip being secured on one side to said support member with one edge of said strip bearing against one side of said spacer, metal tabs on the strip bent normal to the plane of the strip and extending to and bearing against



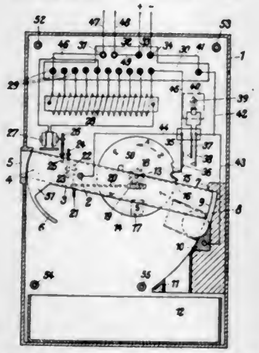
the other side of said spacer to hold the spacer in contact with said edge of the strip.

2,150,324

AUTOMATIC COIN-OPERATED TIME CONTROL SWITCH MECHANISM

Ludwig Grünbaum, Charlottenburg-Berlin, Germany

Application January 8, 1935, Serial No. 893
In Germany January 12, 1934
2 Claims. (Cl. 194—6)



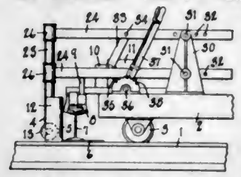
1. In a device for controlling the supply of electricity to a consumer circuit, a switch for disconnecting the consumer circuit from a supply line, motor operated means for closing said switch and holding the same closed during a definite number of revolutions of said motor, said motor being connected in series with the consumer circuit so that its starting is controlled and its speed varied in direct proportion with the supply of electricity to the consumer circuit, and a circuit for temporarily bridging said switch to start said motor, including a movable coin channel and contact means at one end thereof in position to be electrically connected to said chanel by a coin in the channel, and means moved by said motor for shifting said channel to a position to discharge the coin and interrupt said bridging circuit.

2,150,325

CONCRETE PLACEMENT MACHINE

Corwill Jackson, Ludington, Mich.

Application January 10, 1936, Serial No. 58,555
12 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination with a screed adapted to support a substantial mass in front thereof as the screed is

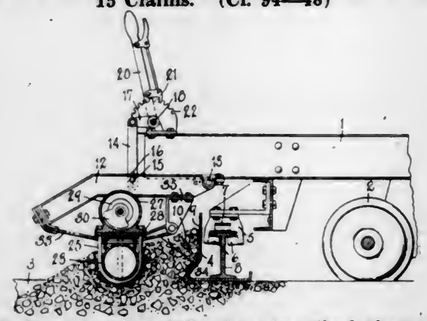
advanced, of an elongated vibratory element, means for supporting said vibratory element in a horizontal position in front of the screed and in parallel relation thereto for advancement with the screed and in an entirely submerged relation to the mass of concrete in front of the screed, said vibratory element being supported so as to permit vibration thereof in an orbital path within the mass, means for vertically adjusting said vibratory element on its said supporting means into and out of the mass to be treated and for supporting the same for vibratory movement in its selected adjusted position relative to the screed, and means for vibrating said vibratory element at high frequency in an orbital path simultaneously with its advancing movement and while in its selected adjusted position relative to the screed and while entirely submerged in the mass in front of the screed.

2,150,326

CONCRETE PLACING APPARATUS

Corwill Jackson, Ludington, Mich.

Application September 16, 1936, Serial No. 101,007
15 Claims. (Cl. 94—48)



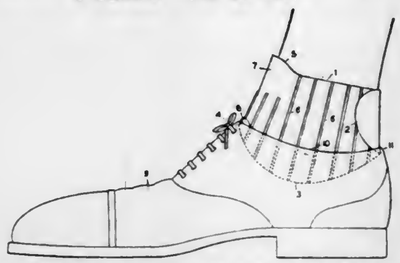
1. In a machine of the class described, the combination of a carriage, an elongated submersible vibratory element disposed horizontally and comprising a cylindrical tubular member, an inwardly facing channel extending substantially the length of said tubular element and fixedly secured thereto, a vibrating motor mounted centrally upon said channel iron, flexible hangers on said carriage attached to said vibratory element, front and rear flexible combined draft and guy members connected to said vibratory element, and resilient buffers for said vibratory element acting to yieldingly sustain the thrust of said vibratory element.

2,150,327

HOSIERY GUARD

James H. Kane, San Francisco, Calif., assignor of one-half to Albert T. Roche, San Francisco, Calif.

Application November 2, 1937, Serial No. 172,362
2 Claims. (Cl. 36—70)



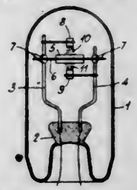
1. A hosiery guard comprising a blank of sheet material with its upper and lower edges curved upwardly at the instep portion and forming downwardly curved ankle portions lateral to said instep portion and adapted to be overlapped over the muscle of Achilles of the wearer; and stiffening ribs formed in said blank across the width of the ankle portions between said instep portion and the unribbed ends of said blank.

2,150,328

MOUNTING ARRANGEMENT FOR PIEZO-ELECTRIC CRYSTALS

Oswold Edward Keall, Chelmsford, and Eric Owen Smith, New Southgate, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application June 16, 1937, Serial No. 148,462
In Great Britain June 25, 1936
11 Claims. (Cl. 171—327)



1. A mounting arrangement for a piezo-electric crystal characterized in that the crystal is supported between conductive members of metal wool which make electrical contact with opposite faces of said crystal.

2,150,329

METHOD OF PROPAGATION OF CULTURE YEAST

Edmund Leith Kitzmeyer, Bloomfield, N. J.

No Drawing. Application November 3, 1934, Serial No. 751,281
1 Claim. (Cl. 195—82)

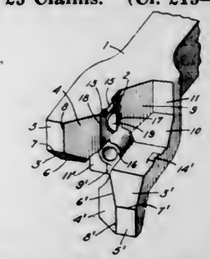
The method of propagating pure yeast cultures which comprises growing said cultures in a normal yeast nutrient solution, and repeatedly transferring said cultures from solution to solution at a period between the time the sugar first shows readily appreciable depletion and the time when three-quarters of the growth time has elapsed.

2,150,330

AUTOMATIC BUFFER COUPLING

László Kürtössy, Berlin, Germany, assignor to Union Kupplung Aktiengesellschaft, Luxemburg, Luxemburg

Application October 30, 1934, Serial No. 750,637
In Germany November 13, 1933
25 Claims. (Cl. 213—77)



1. Automatic buffer coupling for railway vehicles, comprising a coupler head formed by two diametrically opposite projections, each projection comprising two surfaces, one inclined to the

central longitudinal vertical plane and the other inclined to a medial horizontal plane of said head so as to constitute horizontal and vertical guiding surfaces, the planes containing said horizontal guiding surfaces substantially intersecting in said central vertical plane of said head and the planes containing said vertical guiding surfaces substantially intersecting in the said medial horizontal plane of said head, impact faces arranged transversely to the direction of traction at the extremities of said projections, two diametrically opposite recesses disposed circumferentially between said projections having the reverse form of the latter, and coupling means arranged to engage similar means on an opposing coupler head of like design.

2,150,331

PURIFICATION OF MALEIC ANHYDRIDE

Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 20, 1937, Serial No. 126,945
12 Claims. (Cl. 260—343)

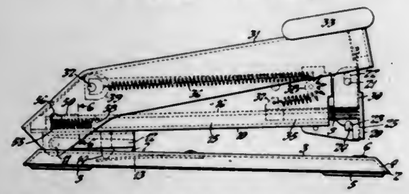
1. The process of purifying maleic anhydride which comprises contacting maleic anhydride and its attendant impurities with an organic, unsaturated substance from the group consisting of anthracene and furan to form a compound of said maleic anhydride and said substance, removing at least part of the said impurities as vapors during the formation of said compound, thereafter heating said compound to decompose it, and recovering the purified maleic anhydride.

2,150,332

FASTENER APPLYING IMPLEMENT

Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine

Application May 24, 1937, Serial No. 144,340
7 Claims. (Cl. 1—3)



1. In a fastener-applying implement, a magazine for holding a supply of fasteners, a pusher for feeding the fasteners from the magazine, means for actuating the pusher to advance the fasteners in the magazine, a stop adapted to be engaged by the pusher when a predetermined number of fasteners are placed in the magazine, and resilient means acting on said stop to adapt it to yield to increase the normal capacity of the magazine.

2,150,333

HOSIERY

John Wyckoff Mettler, East Millstone, N. J., assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Application April 16, 1937, Serial No. 137,215
10 Claims. (Cl. 66—172)

1. A form fitting and self-supporting top for a stocking, provided at its upper end with anti-ravel means, a section adjacent to the upper end of said top consisting of courses of plain knitting, certain courses thereof having an elastic thread incorporated therein under tension, locked into the fabric at certain wales of said courses, and



floated on the inner face of the fabric between said wales, and drawing said fabric into rib-like ridges, a following portion of said top being formed of courses of rib knitting.

2,150,334

SOLVENT AND PROCESS FOR DEWAXING MINERAL OILS

Donald S. McKittrick, Oakland, and Hilary J. Henriques, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 20, 1936, Serial No. 86,354
4 Claims. (Cl. 196—18)

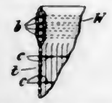
1. A selective solvent dewaxing mixture for petroleum oils, consisting of between 10 and 60% ethylene glycol monomethyl ether and between 40 and 90% of a non-primary aliphatic alcohol having one oxygen atom and from four to eight carbon atoms.

2,150,335

HOSIERY

John H. Miller and Frank Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Application March 17, 1937, Serial No. 131,396
3 Claims. (Cl. 66—173)



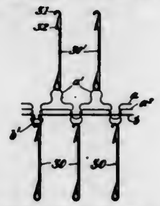
1. A stocking having a selvage welt, comprising a complete normal course of plain knitting, a plurality of successive welt courses of plain knitting, each containing substantially half the number of stitches of said complete normal course, the stitches of the first welt course being knitted to alternate loops of said complete normal course and the stitches of the last welt course being united to the remaining stitches of said complete normal course by a complete normal course of plain knitting to form a tubular welt, all the stitches of said complete normal and welt courses being formed of the same continuous thread, and a plurality of coils of elastic thread under tension enclosed within said welt courses, and holding the wales of said welt courses and complete courses forming the welt in close proximity to prevent flaring of the upper end of the stocking.

2,150,336

PROCESS OF KNITTING

John H. Miller and Frank Evans, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Original application March 17, 1937, Serial No. 131,396. Divided and this application August 21, 1937, Serial No. 160,246
9 Claims. (Cl. 66—14)



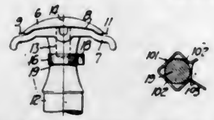
1. The method of forming a selvage which consists in forming on a circular knitting machine a complete circular plain knit course containing a number or loops equal to the full number of needles holding selected loops of said circular course of plain knit loops out of alignment with the remaining loops of the course, forming a plurality of plain knit welt courses upon said remaining loops, and winding an elastic thread around said welt courses while supported by said selected loops, restoring said selected loops to their normal positions and forming a complete course of stitches on said selected loops and the loops of the last welt course to form a circular tubular welt enclosing said elastic thread.

2,150,337

RAZOR

Washington J. Miller, San Francisco, Calif.

Application June 1, 1936, Serial No. 82,774
1 Claim. (Cl. 30—34)



A safety razor comprising in combination a blade assembly comprising a guard, a clamp and a blade having a plurality of shaving edges, a handle therefor, and means for identifying a predetermined blade edge comprising a spring clip having a collar, a plurality of spaced contact portions on the collar engaging the handle, said collar being rotatably mounted upon the handle and in frictional engagement with the handle, and a projection for each end of said collar extending laterally of the handle, one of said projections being elongated with respect to the other projection, said clip adapted to be rotated on the handle so that said projections may be frictionally set in the direction of a predetermined blade shaving edge.

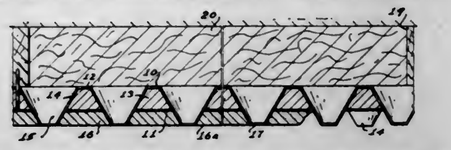
2,150,338

PERFORATE WALL

Charles L. Newport and Herbert C. Smith, Los Angeles, Calif.

Application August 9, 1937, Serial No. 158,052
11 Claims. (Cl. 72—17)

1. As an article of manufacture a plaster base provided with spaced apertures each penetrating both faces thereof, and tubes, one for each perforation and each projecting from the corresponding aperture at one face of the plaster base all to a common screed level, and means in



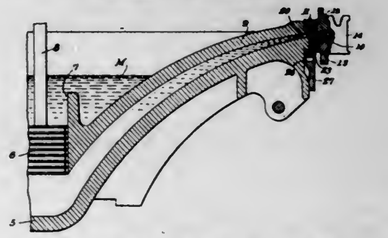
said tubes to prevent plaster from permanently lodging in said tubes.

2,150,339

CRUCIBLE MOUTHPIECE FOR TYPE CASTING MACHINES

Seymour Rabinowitz, New York, N. Y.

Application August 11, 1937, Serial No. 158,463
1 Claim. (Cl. 199—47)



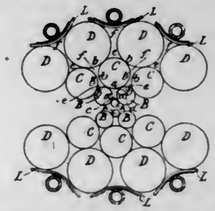
In type casting apparatus, a crucible mouthpiece, mold members associated with said mouthpiece to form a mold cavity, said mouthpiece having a plurality of holes for passing molten metal to said cavity, a plurality of notches formed in said mouthpiece, said notches and said holes being alternately arranged and said notches communicating with said cavity for receiving air from said cavity displaced by oncoming molten metal, said mouthpiece and one of said mold members being arranged to provide a passage having communication with said notches for receiving air therefrom, said passage being adapted to be exhausted of air and thereby exhausting the cavity of air.

2,150,340

COOLING ROLLING MILL

Wilhelm Rohn, Hanau-on-the-Main, Germany

Application September 27, 1937, Serial No. 165,909
In Germany October 5, 1936
11 Claims. (Cl. 80—41)



1. The method of cooling multi-high rolling mills which consists in pumping a cooling medium through the intervening spaces between the rolls, the pressure of the cooling medium pumped through the intervening spaces adjacent the working rolls being higher than the pressure of the cooling medium pumped through the remaining intervening spaces between the supporting rolls.

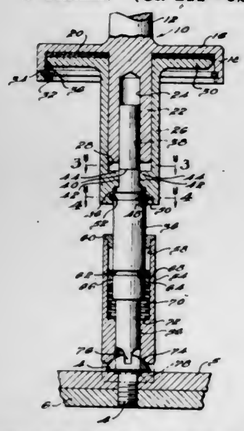
2,150,341
ALLOY STEEL
Byramji D. Saklatwalla, Pittsburgh, Pa.
No Drawing. Application March 12, 1937, Serial No. 130,515
3 Claims. (Cl. 75—125)

1. A steel of low carbon content between .01 and .25% carbon, containing as essential alloying constituents 1.10% to 1.65% silicon, .15 to .60% copper and .10 to .22% phosphorus not over about .5% manganese and not over about .05% sulphur, the balance being substantially all iron, and characterized by corrosion resistance, strength, ductility and weldability.

2,150,342
ALLOY STEEL AND STRUCTURAL MEMBER
Byramji D. Saklatwalla, Pittsburgh, Pa.
No Drawing. Application May 5, 1938, Serial No. 206,191
5 Claims. (Cl. 75—125)

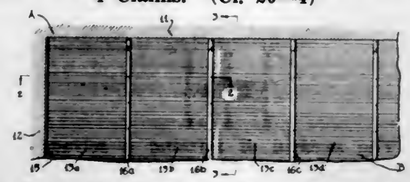
1. Rolled structural members having high tensile strength combined with ductility, corrosion resistance and weldability and requiring a ratio of yield point to tensile strength lower than that which is characteristic of the usual alloy steels, composed of an alloy steel of low carbon content between .01 and .35% carbon and containing as essential alloying constituents .35 to 2.0% silicon, .18 to 1.15% copper, .08 to .35% phosphorus, and .15 to .65% molybdenum, the molybdenum content being not less than the phosphorus content, the balance being at least 95% iron, and characterized by a yield point materially lower than that of a steel containing no molybdenum but otherwise of the same composition.

2,150,343
SCREW DRIVING MEANS
Robert E. Schieber, Detroit, Mich.
Application October 9, 1936, Serial No. 104,767
2 Claims. (Cl. 144—32)



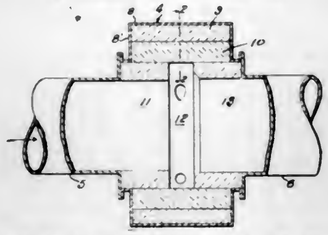
2. An attachment for a drill press having a spindle comprising a driving element adapted to be operatively connected to and rotated by said spindle, said driving element having a radially extending flange provided with a cylindrical axially directed marginal flange, a driven element rotatably carried by said driving element and having a radially extending flange adapted to make a frictional connection with the radially extending flange on the driving element, an internal groove in said axially directed marginal flange, a removable resilient snap ring seated in said groove and adapted to engage the radially extending flange on the driven element to prevent axial separation of said elements, and means on said driven element for receiving a twisting tool.

2,150,344
SOUND ABSORBING COVERING
Paul A. Schilling, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application December 12, 1936, Serial No. 115,635
4 Claims. (Cl. 20—4)



1. In combination with the walls and ceiling, of a room, a number of spaced supporting strips attached to the ceiling and forming elongated facing recesses therein, certain of said supporting strips falling short of one of the walls to leave the recesses formed thereby open at one end, flexible elongated sound absorbing sheets adapted to be inserted endwise in to the recesses from the open ends thereof and means for supporting the ends of the sound absorbing sheets outwardly of said supporting strips.

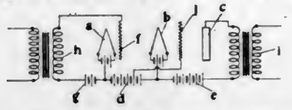
2,150,345
AIR HEATER
Henry W. Schramm, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application September 28, 1938, Serial No. 232,059
6 Claims. (Cl. 263—19)



1. Apparatus for heating air by admixture with hot gases of combustion comprising, in combination, a structure having a flow passage therethrough for the air to be heated, said passage inwardly from its air intake end having a peripheral setback, and means for discharging hot gases of combustion into said passage along the wall of said setback.

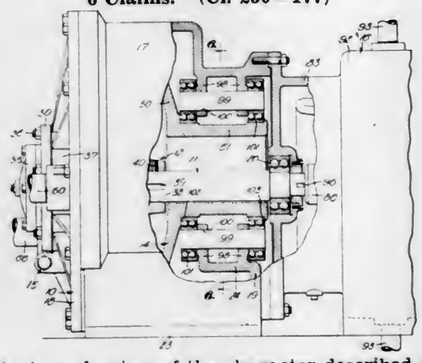
2,150,346
ELECTRON DISCHARGE SYSTEM
Paul Schwerin, Rutherford, N. J., and Hubert Cyril Atkins, Acton, London, England, assignors to Electronic Devices Limited, London, England
Application October 3, 1935, Serial No. 43,363
In Great Britain January 14, 1935
32 Claims. (Cl. 250—27)

1. In combination, an electron discharge system comprising a collector and a filamentary source of thermionic emission associated therewith, and a second filamentary source of thermionic emission exterior to the system, said second source being arranged to project electrons to said



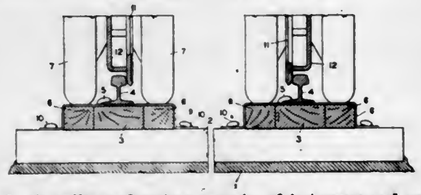
first source for controlling the emission in said system by the action of the electrons projected from said second source and impinging upon the source of thermionic emission of the system.

2,150,347
COMPRESSOR
Clarence S. Sorensen, Los Angeles, Calif.
Application January 18, 1937, Serial No. 121,056
6 Claims. (Cl. 230—177)



1. A mechanism of the character described including a housing, a shaft extending through the housing, a tubular internal flange formed on the wall of the housing surrounding the shaft in spaced relation thereto, a cylinder block in the housing fixed to the shaft and having cylinders, pistons operable in the cylinders, valve means for controlling the fluid flow to and from the cylinders, a ring surrounding the block for cooperating with the pistons, a sleeve on the ring extending into said flange, an annular series of circumferentially spaced bearing shafts in the said flange, and anti-friction bearings on the bearing shafts cooperating with the sleeve to support the ring for rotation about an axis spaced from the axis of the cylinder block.

2,150,348
RAILWAY
Joseph B. Strauss, San Francisco, Calif.; Annette Strauss, John Sparks, and Henry C. Clausen executors of said Joseph B. Strauss, deceased
Application March 29, 1937, Serial No. 133,600
5 Claims. (Cl. 238—4)

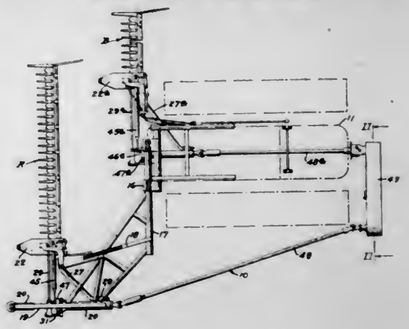


1. A railway having a pair of interspaced rails; runways adjacent and below the level of the tops of said rails; in combination with a vehicle having wheels supported upon resilient tires adapted to run upon said runways; and guiding flanges on said wheels coaxial with and above the supporting treads of said tires and guided by said rails.

2,150,349
PROCESS AND PRODUCT RELATING TO ORGANIC METAL AND METALLOID CONTAINING COMPLEX COMPOUNDS
Adrianus Johannes van Peski and Johannes Andreas van Melsen, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 10, 1936, Serial No. 73,710. In the Netherlands April 11, 1935
15 Claims. (Cl. 260—438)

11. The metal and metalloid-containing complex organic compounds of the general formula $(MR)_x Z$, the group MR representing an organic compound wherein a readily replaceable hydrogen atom has been replaced by a metal radical, Z representing an organic compound of an acid-forming multivalent element of groups V and VI of the periodic table which has an atomicity greater than one and an atomic number not greater than 52, and x representing an integer not greater than two, the compound Z being bound to the group MR to form a metal-containing complex organic compound.

2,150,350
POWER MOWER
Manuel P. Vargas, near Livermore, Calif.
Application August 10, 1938, Serial No. 224,044
6 Claims. (Cl. 56—25)

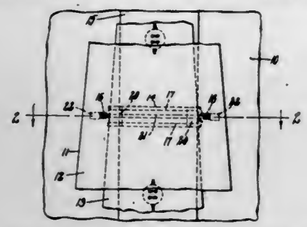


1. A mowing machine comprising a main frame for attachment to the chassis of a tractor, a cutter assembly carried by the main frame and extending laterally therefrom in one direction, an auxiliary frame pivoted to the main frame for free vertical swinging movement, and extending both laterally and forwardly of the main frame, and a cutter assembly carried by said auxiliary frame, a free trailing caster wheel at the forward end of the said auxiliary frame to engage the ground and maintain the auxiliary frame in a definite relationship to the ground.

2,150,351
NECKTIE HOLDER
Fred N. Ashworth, Somerville, Mass.
Application May 3, 1937, Serial No. 140,298
9 Claims. (Cl. 24—49)

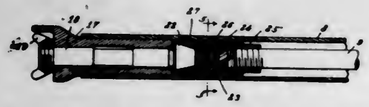
1. A necktie holder of the character described having, in combination, means to secure the rear portion of a necktie to the front of a shirt, a spur mounted upon said securing means and

means to rotate said spur into interlocking relation with the front portion of the necktie, where-



by said portions of said necktie are positioned relatively to each other and to said shirt.

2,150,352
SHEARING MACHINE
Edwin S. Bartlett, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1937, Serial No. 119,227
5 Claims. (Cl. 64—4)



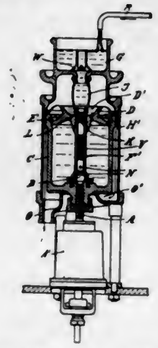
4. A quick acting connection for shearing machines of the type including a hand piece, a driving shaft and a driven shaft on said hand piece comprising a frusto-conical portion on said driven shaft coaxial with said driven shaft and a splined end portion, a sleeve on said driving shaft having a socket complementary to said frusto-conical portion and a splined bore complementary to said splined end portion whereby rotation of said shaft draws the frusto-conical portion tightly into the complementary socket to align and bring the same into dynamic balance when the splined end portion is brought into position to engage the splined bore.

2,150,353
REFINING OF WHITE METALS
Gustave E. Behr, New York, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 4, 1938, Serial No. 183,319
8 Claims. (Cl. 75—63)

1. The process of removing aluminum impurity from tinny metals which consists in selectively removing the aluminum, with reference to the tin, by treating the molten, tinny metal with a molten alkali metal carbonate.

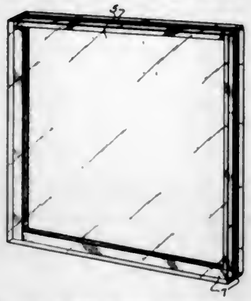
2,150,354
METHOD AND APPARATUS FOR SIMULTANEOUSLY SPINNING AND TWISTING ARTIFICIAL THREADS
Karl Berndt, Chemnitz, Germany
Application March 21, 1936, Serial No. 70,044
In Germany March 27, 1935
10 Claims. (Cl. 18—8)

1. Arrangement for spinning threads within a precipitation liquid from a plurality of filaments of viscous material, comprising a hollow spindle having a multiple orifice nozzle at its end, means for rotating said spindle, a container for the precipitation liquid coaxially disposed on said spindle and surrounding said nozzle to rotate with the latter, a stationary filling container coaxially disposed with and above said rotary container and having a coaxially located communication duct extending into said rotary container to permit the formation of a continuous liquid column between said containers which rotates at the bottom substantially at the nozzle speed and which is stationary at the top, means for sup-



plying viscous material to said nozzle to be ejected in a plurality of filaments into the rotary portion of said liquid column, means for guiding said filaments through said column, so that they are twisted into a thread after having passed said guiding means, means for supplying precipitation liquid to said stationary container and means for discharging said liquid from the rotary container.

2,150,355
MULTIPLE GLASS SHEET GLAZING CONSTRUCTION
John D. Biggers, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 19, 1935, Serial No. 41,269
3 Claims. (Cl. 20—56.5)

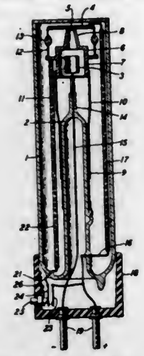


1. A multi-ply glass sheet glazing construction comprising a plurality of spaced sheets of tempered glass, and separator means between the edges of said sheets extending around their perimeters.

2,150,356
GLOW DISCHARGE LAMP
Otto C. Bleicher, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1936, Serial No. 91,642
7 Claims. (Cl. 176—122)

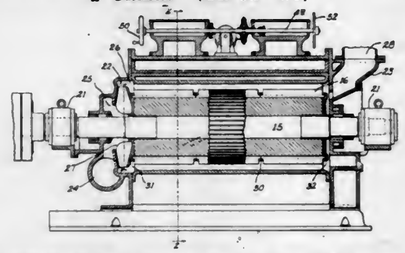
1. A positive column glow discharge lamp com-

prising cold electrodes, and, intermediate said



electrodes, a metallic member having a tapered passage terminating in a capillary opening.

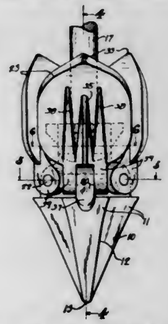
2,150,357
PAPER PULP REFINING APPARATUS
Joseph E. Bond, Middletown, Ohio
Application November 5, 1936, Serial No. 109,338
1 Claim. (Cl. 92—26)



Apparatus of the character described comprising a casing having an inlet passage at one end and an outlet passage at the other end and having several radially movable bed members slidably supported therein, a series of stationary bars in said bed members, a rotor operably mounted in said casing and having an annular series of metal bars adapted for cooperation with said stationary bars, said rotor being of substantially cylindrical form from one end thereof to the other to provide a substantially uniform treatment for stock flowing from said inlet passage to said outlet passage, means for simultaneously and positively adjusting said bed members radially equal amounts to adjust the clearance of the bars, drive means for rotating said rotor, straight radial pump blades outwardly tapering in width from their inner ends and fixed to said rotor and provided on the side of said rotor to operate along an end wall of said casing adjacent said inlet passage said pump blades being of symmetrical form to provide for substantially equal effect in propelling fluid substantially radially outwardly towards the ends of the rotor bars from said inlet passage regardless of the direction of rotation of said rotor, and means operable to reverse the direction of rotation of said rotor.

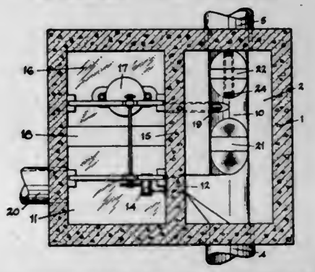
2,150,358
EARTH ANCHOR
Clarence W. Brakensiek, St. Louis, Mo.
Application February 23, 1937, Serial No. 126,978
6 Claims. (Cl. 189—92)

1. In an earth anchor of expanding type, a body, spaced arms formed integrally with and extending laterally of said body, a plurality of blades or vanes pivotally carried by said arms, a pilot portion depending from said body and formed integrally therewith and with said arms, the pilot portion being formed with projections each diverging from the point of the pilot to the



zone of one of the blades, said projections each being of a width near the blade, in excess of the width of the blade pivot portion and the length of the blade pivot, and adapted to deflect foreign objects, in setting the anchor, to zones laterally of said pivot portion.

2,150,359
AUTOMATIC SEWER REGULATOR
Chalmers S. Brown, Lima, Ohio
Application May 28, 1938, Serial No. 210,641
2 Claims. (Cl. 137—78)

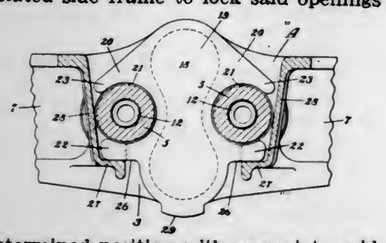


1. In a sewer regulator, the regulator having a sewer passageway, a sewer inlet and a sewer outlet, a float chamber, a float located in the float chamber, a dry-weather water outlet, a valve operated by the float for controlling the dry-weather water outlet, means for producing a pool of water in the regulator sewer passageway during excess flow of water in the sewer, means for directing the water from the pool into the float chamber for initiating the closing movement of the valve, and means for draining the pool as the flow of the sewer water becomes normal.

2,150,360
SHIM FOR CAR TRUCKS
Jacob J. Byers, Oakland, Calif., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application October 30, 1936, Serial No. 108,443
8 Claims. (Cl. 105—197)

1. A shim for a car truck comprising a spring supporting portion and laterally extending portions at each side of said spring supporting portion, each of said laterally extending portions having an opening therethrough, said shim being formed with a plurality of positioning shoulders

spaced from said openings adapted to engage the associated side frame to lock said openings in a



predetermined position with respect to said side frame.

2,150,361

METHOD OF AND APPARATUS FOR SECURING HOLLOW BODIES IN HOLES IN OTHER BODIES

Jacques Francois Gabriel Chobert, Saint-Etienne, France

Application May 16, 1936, Serial No. 80,210
In France May 20, 1935
16 Claims. (Cl. 153—79)



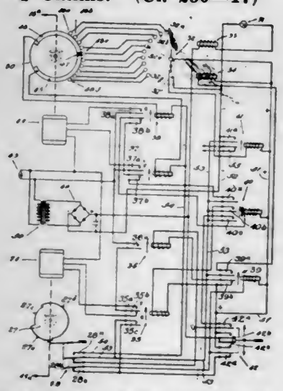
1. In apparatus of the type comprising a working spindle which is longitudinally displaceable to effect a working stroke, the combination of a working spindle and means for effecting longitudinal displacement of said working spindle, said means comprising a longitudinally movable driving element, means for operatively connecting said movable driving element to said spindle to displace said spindle upon movement of said driving element in one direction, and for disconnecting said driving element from said spindle, and means for producing a reciprocating movement of said driving element.

2,150,362

CONTROL CIRCUIT FOR SIGNAL TRANSMITTING AND RECEIVING APPARATUS

Arthur A. Collins, Cedar Rapids, Iowa

Original application February 1, 1937, Serial No. 123,453. Divided and this application November 4, 1937, Serial No. 172,837
4 Claims. (Cl. 250—17)



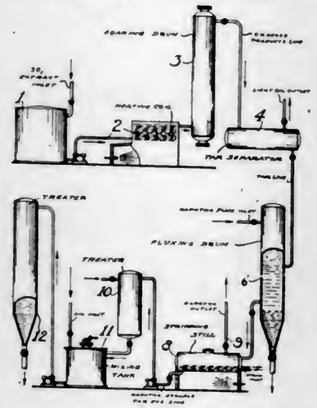
1. In combination, shaft-controlled electrical apparatus connected with a source of power, mechanical stop means on the shaft of said apparatus cooperable with a movable stop for positioning the shaft in selected position, electrical motor means for setting said movable stop in alignment with said stop means, motor means for rotating said shaft and said stop means with respect to the movable stop, and automatic electrical control means connected with said source of power and with both said motor means and operative in a predetermined sequence for removing power from the apparatus, actuating said motor means to establish the shaft in desired position while power is removed from the apparatus, and applying power again to the apparatus.

2,150,363

PROCESS OF PREPARING LUBRICATING OIL DYE FROM CRACKED TAR

Oliver H. Dawson, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 1, 1934, Serial No. 755,569
7 Claims. (Cl. 196—50)



3. The method of preparing a material adapted to impart a desired green fluorescence to mineral lubricating oil which comprises subjecting extraction products separated in the solvent refining of petroleum fractions to substantial cracking at high temperature and under superatmospheric pressure to form a pitchy residue which contains oil-soluble constituents having the desired coloring characteristics, and separating said constituents from the pitch by extraction with a solvent.

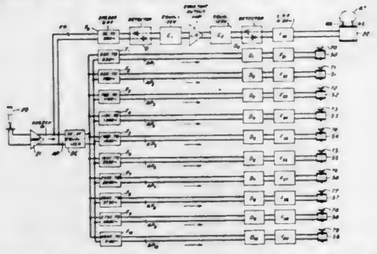
2,150,364

SIGNALING SYSTEM

Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 31, 1937, Serial No. 156,707
9 Claims. (Cl. 179—107)

1. In a signaling system, means to produce a signal containing variable information and invariable information represented by a complex wave of a wide frequency band of speech frequencies, means to analyze said wave and derive therefrom a simple set of parameters having approximately the number of degrees of freedom of the variable elements of the signal source, means to translate said set of parameters into a set of low frequency defining waves that respectively define the variations of said parameters, each of said low frequency waves having a fundamental frequency of less than 10 cycles per second, a plurality of independent vibratory members



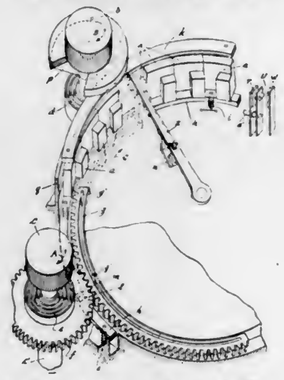
adapted to be applied to the touch sensitive areas of the human body, and means for controlling each of said vibratory members in accordance with one of said defining waves.

2,150,365

PHOTOGRAPHIC CAMERA WITH AUTOMATIC EXPOSURE ADJUSTMENT

Kurt Dziewior, Berlin, Germany

Application April 29, 1937, Serial No. 139,807
In Germany April 20, 1936
8 Claims. (Cl. 95—10)



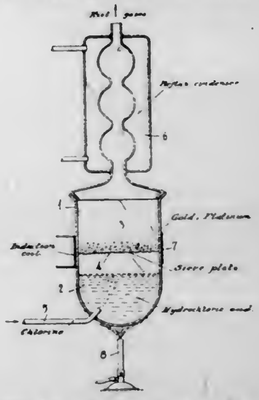
1. In a photographic camera, the combination of a photoelectric exposure meter, a shutter, and means for automatically adjusting the speed of said shutter to a value indicated by said exposure meter, including means for manually tensioning said shutter; said photoelectric exposure meter including in a circuit a photoelectric cell, a measuring instrument having a rotatable pointer and a switch for opening and closing said circuit, a series of vertically yieldably mounted pins arranged in an arc concentric about the axis of rotation of said pointer and in a plane below the outer end of the same, each of said pins representing a predetermined shutter speed, said means for adjusting the speed of said shutter including a spring actuated arcuate member slidably mounted in an arc adjacent said series of pins, and a manually operable member for tensioning said arcuate member and for closing said switch which normally is open, means actuated by said shutter tensioning means for engaging the outer end of said pointer and urging it into engagement with the pin directly beneath the same, thereby depressing said pin, and means actuated by said shutter tensioning means at the end of the shutter tensioning operation for releasing said tensioned arcuate member so that the latter moves into engagement with the previously depressed pin, thereby adjusting the shutter speed automatically to the speed represented by said depressed pin.

2,150,366

PROCESS FOR CONVERTING GOLD, PLATINUM, AND OTHER METALS OF THE PLATINUM GROUP INTO A DISSOLVED FORM

Oskar Ehrhart, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

Application January 17, 1938, Serial No. 185,279½
In Germany January 20, 1937
11 Claims. (Cl. 75—112)



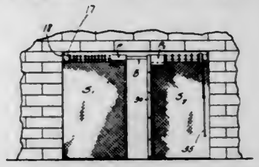
1. A process for the treatment of gold and the platinum metals in the elemental state yielding soluble chlorides which consists in subjecting said metals to the simultaneous action of hydrochloric acid vapors and chlorine gas.

2,150,367

FIREPLACE SCREEN

Daniel K. Eisele, Philadelphia, Pa.

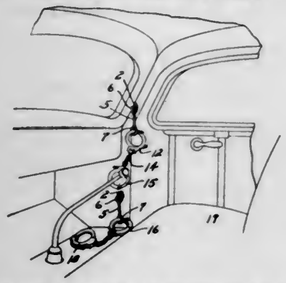
Application September 30, 1937, Serial No. 166,505
7 Claims. (Cl. 126—202)



2. A fireplace screen of the character described comprising a supporting bar adapted to be mounted transversely across the upper part of a fireplace opening, a pair of complemental supporting plates slidably mounted on the bar, said supporting plates being movable on the bar and adapted to assume an overlapping position, plate extensions extending downwardly from said plate assemblies substantially to the bottom of the fireplace, a pair of screen parts each having one edge connected to said plate extensions, with the corner at the upper part of said edge connected to the plate assemblies, means for supporting the edges of said screen parts remote from the plate extensions from the supporting bar, said means also constituting a means for holding said edges against movement along the bar, supporting rings associated with each screen part for supporting

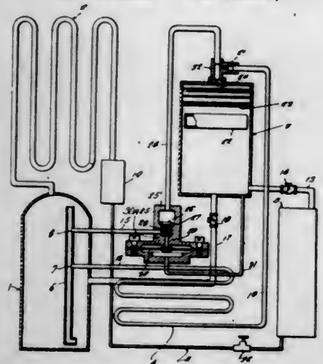
the screen part from the bar, said rings being slidable along the bar, and means for causing relative movement of the plate assemblies.

2,150,368
MEANS FOR LOCKING A PRISONER IN AN AUTOMOBILE
Claude J. Fitzgerald and Bessie V. Fitzgerald, Wyandotte, Mich.
Application March 9, 1937, Serial No. 129,864
1 Claim. (Cl. 70—16)



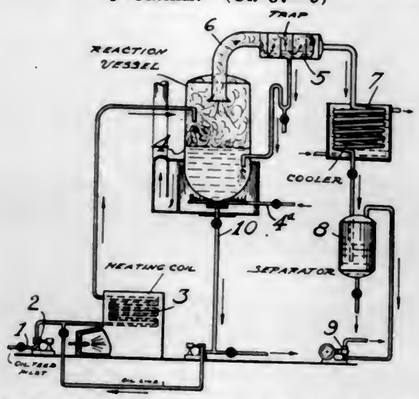
A means for locking a prisoner in an automobile including an anchoring means having an eye, a link member comprising a rod provided with an eye at each end, one eye being fastened through the eye of the anchoring means, a pair of handcuffs, one handcuff being locked through the eye in the free end of the link member, the arrangement being such that the hand-cuffs are held away from the anchoring means by the rod.

2,150,369
REFRIGERATING APPARATUS
Andrew Flukes, Gary, Ind., assignor, by direct and mesne assignments, to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1935, Serial No. 6,899
29 Claims. (Cl. 62—5)



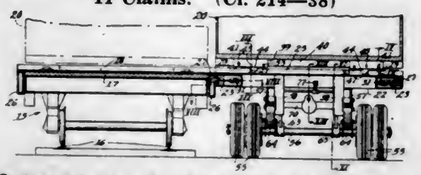
14. In continuous absorption refrigeration apparatus requiring a periodic equalization of pressure between the generator and absorber to effect a gravitational return of liquid from the absorber to the generator, the combination of a generator, an absorber, an absorptive liquid conduit from said generator to said absorber, a pressure equalizing conduit providing communication between a point substantially at the maximum liquid level in the generator and the absorber, and a conduit for returning liquid from the absorber to the generator when the pressures therein are equalized.

2,150,370
POLYMERIZED FATTY OIL
Per K. Frolich, Westfield, and Jones I. Wasson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 3, 1935, Serial No. 43,326
9 Claims. (Cl. 87—9)



1. A polymer of a semi-drying oil, light in color, miscible with mineral lubricating oil, containing a small amount of sulfur, having a viscosity of at least 1,500 seconds Saybolt at 210° F. and having the property of reducing the pour point of waxy mineral oils when added therto.

2,150,371
FREIGHT TRANSPORTING MECHANISM
Arthur H. Furnish, Cardington, Ohio
Application May 31, 1935, Serial No. 24,338
11 Claims. (Cl. 214—38)

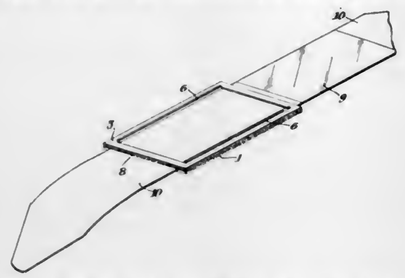


2. Mechanism for handling and transporting freight in shipping containers which are bodily transferable from highway to railroad vehicles, comprising a container-receiving bed frame for the highway vehicle, a plurality of movable coupling members carried by said bed frame and mounted adjacent to at least one of its longitudinal sides, a container receiving platform for the railroad vehicle, said platform having at least one of its longitudinal sides provided with a plurality of sockets, and means for moving said coupling members into and out of inter-locking engagement with the sockets of said platform whereby to retain the frame of the highway vehicle in abutting and locked engagement with the side of the railroad vehicle platform in horizontal registration therewith during transference of said containers from one vehicle to the other.

2,150,372
FILM PACKET FOR CAMERAS
Anne Goddard, New York, N. Y., assignor, by direct and mesne assignments, of thirty per cent to Tomas Pacanins, New York, N. Y., and fifteen per cent to Florencio Gomez
Application March 5, 1936, Serial No. 67,276
2 Claims. (Cl. 95—72)

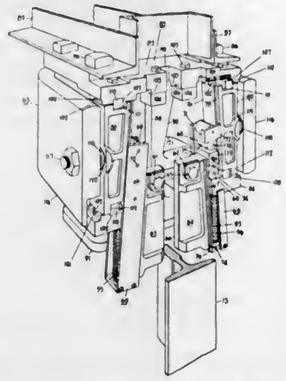
1. A sensitized material holder adapted for use in roll film cameras said holder comprising a

frame adapted to fit within the film gate of the camera and having means adapted to support it in position therein, said frame having a back against the front face of which the sensitized material may be placed, means in the holder for holding such sensitized material in position, said frame having a light-sealed passageway at each end and a guide way at each side connecting said passageways, a flexible dark slide for said holder, said dark slide comprising two flexible opaque end sections and an intermediate transparent sec-



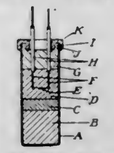
tion, said dark slide extending through said light sealed passageways and guide ways and in front of said sensitized material, the first opaque end of said dark slide being of sufficient length to fully shield the sensitized material from light and to extend to and connect with the take-up spool of the camera, the transparent section being of a length at least equal to the length of the sensitized material and the second opaque section being of a length sufficient to fully protect the sensitized material from light when drawn into operative position.

2,150,373
ELEVATOR SAFETY DEVICE
Frederick Hymans, Larchmont, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application July 2, 1937, Serial No. 151,589
7 Claims. (Cl. 187—90)



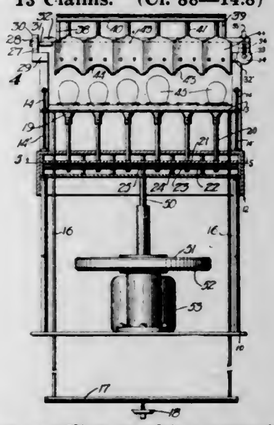
1. In an elevator system having a body movable in the elevator hatchway and a rail extending longitudinally of the hatchway, a safety device for said movable body, said safety device comprising; mounting means carried by said body; a member slidably supported by said mounting means for movement toward and away from said rail; means for gripping said rail; a U spring spanning said rail gripping means, one leg of said U spring being supported by said member; and means operable to apply said gripping means to said rail during downward movement of said body, said gripping means, upon being applied, acting to spread the legs of said U spring.

2,150,374
ELECTRIC BLASTING CAP
Charles R. Johnson, Glen Mills, Pa., and William E. Kirst, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 4, 1935, Serial No. 314
Renewed July 16, 1938
3 Claims. (Cl. 102—10)



1. In an electric blasting cap, a metal shell, a metal bridge plug adapted to close the open end thereof, leg wires extending separately through the bridge plug in dielectric and water-impervious relation therewith, and a closure means comprising the upper portion of the shell wall extending over the clearance space between the plug and said shell wall, and mechanically compressing the shell wall about the plug to seal the cap against moisture penetration.

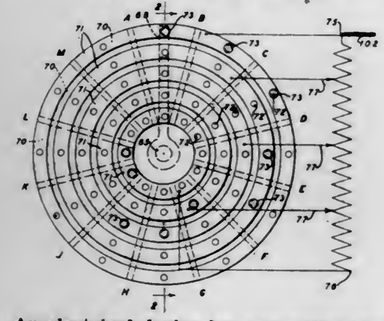
2,150,375
EGG CANDLING MACHINE
James W. Johnson, Los Angeles, Calif.
Application April 14, 1936, Serial No. 74,303
13 Claims. (Cl. 88—14.8)



1. An egg candling machine comprising a plurality of egg spinning cups arranged in longitudinally and laterally extending rows, a skeleton platform mounted for vertical movement and normally disposed above the set of spinning cups and adapted to support eggs with their major axes vertical and in alignment over the cups whereby individual eggs may rest in individual cups when the platform is lowered, common means for driving all of the spinning cups with the eggs lowered therein, means for lowering and raising the platform to cause the platform to lift the individual eggs from the spinning cups and hold them so that their contents will continue to gyrate around their vertical axes, track means above the platform, an egg illuminating unit adapted to slide along the track and above the

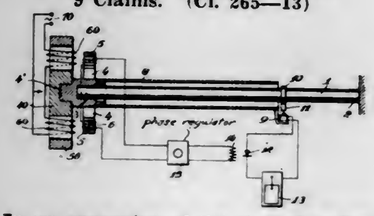
eggs supported on the platform, means for setting the illuminating unit in alignment with a laterally extending row of eggs supported on the platform, templets carried by the illuminating unit, said templets being individually movable and adapted to substantially conform to the upper end contour of the eggs, and lights carried by the illuminating means whereby each egg may be individually illuminated from the rear of its templet whereby the contents of the egg may be observed.

2,150,376
ELECTRICAL DEVICE
Herbert S. Keating, North Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1936, Serial No. 99,586
7 Claims. (Cl. 200—26)



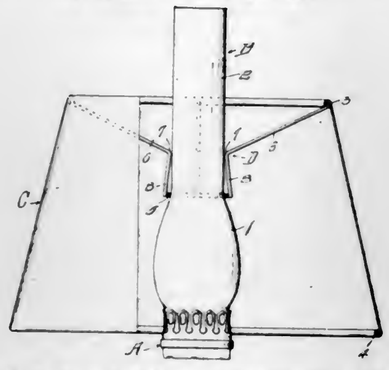
1. An electrical device for connecting one conductor to any one, two or more of a group of conductors one at a time in any desired order, the said device comprising two mutually insulated pluralities of mutually insulated conductive members, removable means to connect at will any number of members of one plurality each to any member of the other plurality in any desired spatial pattern of interconnection, and means to connect the members of one plurality in sequence to the first electrical conductor, the members of the other sequence being individually connectible to the electrical conductors of the group.

2,150,377
ARRANGEMENT FOR TESTING THE INNER WORK ABSORBED BY MATERIALS
Georg Keinath, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft Siemensstadt, near Berlin, Germany, a corporation of Germany
Application October 23, 1935, Serial No. 46,274
In Germany October 26, 1934
9 Claims. (Cl. 265—13)



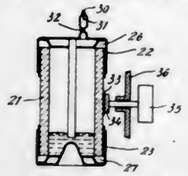
1. In an apparatus of the class described, two devices located at a distance from each other and each comprising two relatively movable members one of which is adapted to be secured to a test piece, said devices containing coils in which currents are produced by the relative movement of the two members of the same device, a rectifier and a direct-current measuring instrument and connections for operating them through the medium of the current produced in one of said devices, rectifier-controlling means, and a phase-regulator having connections for energizing it by the current produced in the other of said devices and also having connections to actuate said rectifier-controlling means.

2,150,378
LAMP SHADE
William J. Keller, St. Louis, Mo.
Application August 6, 1937, Serial No. 157,659
3 Claims. (Cl. 240—139)



1. In a lamp shade, in combination, a pair of wire rings having shade material connecting the rings, a spider including a plurality of arms and a ring adapted to be seated upon and around a lamp chimney, and said arms being bent intermediate their ends to form knees adapted to contact the chimney at points above the ring to hold the shade concentric with the chimney.

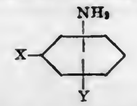
2,150,379
MERCURY SWITCH
Hans Kerschbaum, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application May 13, 1937, Serial No. 142,335
In Germany May 9, 1936
3 Claims. (Cl. 200—152)



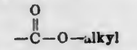
1. As an article of manufacture, an evacuated mercury switch comprising a ceramic tube partly filled with mercury, a metal cap at each end of said tube, said cap being designed to form an interstice between its end face and the ring-shaped front face of said tube and having a centrally arranged part protruding against the opening of said tube so as to close said opening, a coating of a refractory base metal disposed on and integrated with the bare ceramic surface portions at the ends of said tube which are covered by said caps, and hard solder bonds vacuum-tightly connecting said coatings and said caps.

2,150,380
AZO DYESTUFFS
Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 14, 1937, Serial No. 120,615. In Great Britain January 17, 1936
5 Claims. (Cl. 260—160)

5. The process of manufacturing new disazo dyestuffs represented by the general formula A →M →E which comprises diazotizing a primary aryl amine, A represented by the formula



in which NH_2 is in one of the positions meta and para to X, X is one of the group consisting of alkyl and the group

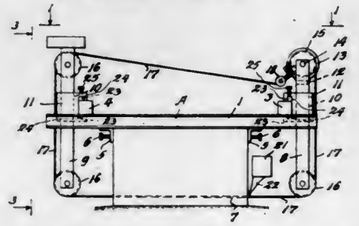


in which there are 10 to 20 carbon atoms in the alkyl radical, and Y is one of the group consisting of hydrogen, alkyl, alkoxy, chloro, nitro and sulfonic acid, and in which nitro and sulfonic acid are in adjacent positions to X in the aryl nucleus, and amino is in an adjacent position to one of the group consisting of alkyl, alkoxy and chloro in the aryl nucleus; coupling with a primary aryl amine (M) of the group consisting of amino benzenes and naphthylamines which have a free coupling position para to the amino group; and thereafter diazotizing the monazo compound so formed, and coupling with a coupling component (E) which has at least one sulfonic acid, said coupling component being one of the group consisting of naphthylamine sulfonic acids, naphthol sulfonic acids, amino-naphthol sulfonic acids, phenyl pyrazolone sulfonic acids, N-substituted naphthalene sulfonic acids, and N-substituted naphthol sulfonic acids, said N-substituted compounds having the radical



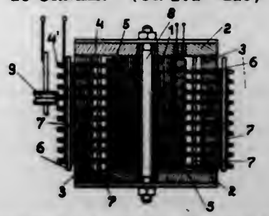
in which R is one of the group consisting of acyl and aryl of the benzene series.

2,150,381
STONE SAWING MACHINE
Charles B. Lansing, Gates Mills, Ohio
Application February 7, 1938, Serial No. 189,195
3 Claims. (Cl. 125—21)



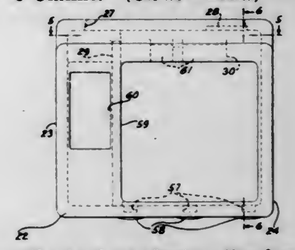
2. In a device of the class described, in combination, a frame adapted to rest on the stone or work to be cut, cutting means vertically movable respecting said frame, and means for guiding said cutting means in its vertical movement, said cutting means being movable downwardly respecting said frame as the cutting operation progresses, and members supporting said guiding means on the frame horizontally adjustable respecting said frame.

2,150,382
REGULATING TRANSFORMER
Georg Leischner, Berlin-Schmockwitz, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application June 11, 1937, Serial No. 147,771
In Germany June 11, 1936
16 Claims. (Cl. 171—119)



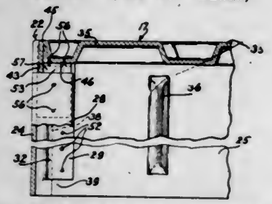
1. A regulating transformer having an iron core with a main limb and several magnetic return paths connected with the main limb and arranged in spaced relation around the main limb, a regulating winding surrounding the main limb and a current-collecting brush, the regulating winding being provided with tappings, the tappings extending between the return paths to the periphery of the transformer and there forming a helical contact-path which extends parallel to the turns of the regulating winding, and means mounting said brush in contact with said helical contact-path and permitting relative movement between the same.

2,150,383
METHOD OF FORMING METAL PORTIONS OF COIN COLLECTOR HOUSINGS
Allan R. MacLagan, Western Springs, and Fred F. Schuster, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 14, 1937, Serial No. 136,760
6 Claims. (Cl. 29—148.2)



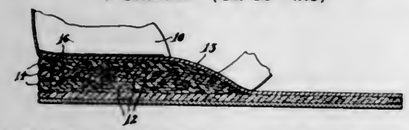
1. The method of producing the lower front housing portion of telephone coin collectors comprising forming by drop forging a dish shaped blank having front, top, bottom and side walls with a normal outward flare of the top, bottom and side walls, forcing the blank partially through a die to form said latter walls at predetermined angles to the front wall, swaging the front wall to flatten it at the termination of the top, bottom and side wall forming movement, forming depressions in the inner surface of the bottom wall to provide clearances for door ribs, and cutting openings in the front wall for the door and coin return.

2,150,384
METHOD OF FORMING SHEET METAL COIN COLLECTOR HOUSINGS
Allan R. MacLagan, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1937, Serial No. 142,813
7 Claims. (Cl. 29—148.2)



1. A method of making an integral base plate and rear lower housing for telephone coin collectors comprising punching and shearing from sheet metal a blank of predetermined configuration having a base plate portion with opposite side wall portions and a bottom wall portion projecting therefrom at its lower end, notching the side wall portions for a predetermined distance from their lower edges and the adjacent portion of the bottom wall portion, folding the lower edge portion of each side wall at substantially right angles to the plane of the wall, folding and drawing the side and bottom walls and the upper peripheral portion of the plate at substantially right angles to the plane of the plate, to cause opposite portions of the bottom wall to meet the folded edge portions of the side walls and the upper peripheral portion of the plate to have a flange coextensive with the side walls, and then welding the meeting edges of the side and bottom walls.

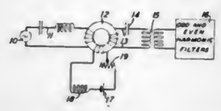
2,150,385
FOOTWEAR
Roy Maling, West Roxbury, Mass.
Application June 10, 1938, Serial No. 212,898
9 Claims. (Cl. 36—2.5)



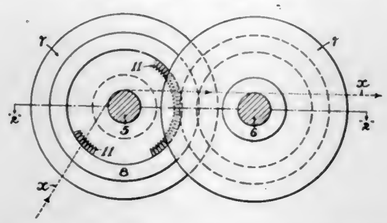
1. A heel for footwear, comprising a plurality of sheet-form heel units individually pre-formed and individually finished by a binding strip secured to the margins of upper and under faces of each unit and covering the edge portions of the unit, said units being secured together in superimposed relation to provide a composite heel.

2,150,386
HARMONIC PRODUCER
Jack M. Manley, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1937, Serial No. 166,519
7 Claims. (Cl. 172—281)

7. In a harmonic producer comprising a saturable-core inductance, a source for impressing thereon an alternating current wave of fundamental frequency and an output circuit for said inductance, said output circuit including a condenser and a highly resistive load proportioned to produce therein a broad range of odd harmonic frequency current having uniformly large amplitudes; means connected to the inductance and including a source of unidirectional current for producing a predetermined range of both odd and even harmonics, the current applied to the inductance from said source of unidirectional current being proportioned so that a preselected group of both odd and even harmonics is produced with substantially uniform amplitudes.

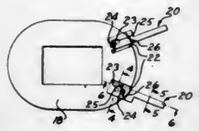


2,150,387
APPARATUS FOR THE CLEARING AND CLEANING OF YARNS
John Henry Marsh, Salford, England
Application January 9, 1936, Serial No. 58,246
In Great Britain January 19, 1935
4 Claims. (Cl. 28—64)



1. In apparatus for clearing and cleaning textile yarns having slubs as part of the impurities thereof, a pair of rotatable circular co-acting clearer knives having plain edges serving as normal clearing and cleaning means for a yarn passing between them in a defined path, one of the said knives being centrally recessed, and pointed members fitted in and around such recess, the points of such members being situated laterally of the normal path of the moving yarn and in the path of slubs which extend laterally from such yarn.

2,150,388
TERMINAL FOR ELECTRICAL DEVICES
Frank Martindell, Western Springs, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,678
1 Claim. (Cl. 173—324)

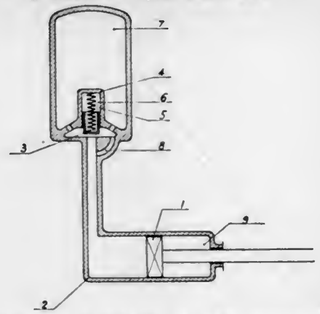


A terminal in combination with a coil including an insulating head slotted to permit easy access to the winding of said coil for connecting an end of the winding to the metal of the terminal, said terminal comprising a metallic sheet folded over and staked to an edge of said slot to provide spaced portions engaging opposite surfaces to which the end of the winding of the coil may be soldered and a prolongation of said folded portion providing abutting parts for connection to other parts.

2,150,389
COLORING OF LEATHER
Mordecai Mendoza and George Stuart James White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 15, 1937, Serial No. 125,932. In Great Britain February 21, 1936
4 Claims. (Cl. 8—13)

1. The process which comprises treating a wet-out leather with first one and then the other of the following solutions having a pH value of about 3.0 to about 9.0, namely an aqueous solution of an aromatic diazo compound which is devoid of sulphonic and carboxylic acid groups and an aqueous solution of a coupling component selected from the group consisting of naphthylamine-sulphonic acids, amino-naphthol-sulphonic acids, 1-phenylamino-naphthalene-8-sulfonic acid, 1-acetylamino-8-naphthol - 3:6 - disulfonic acid, 5:5'-dihydroxy-2:2'- dinapthylamino-7:7'-disulfonic acid and 5:5'-dihydroxy-2:2'-dinaphthylurea-7:7'-disulfonic acid, said treatment being continued until a substantial amount of the first applied substance is affixed to the leather, and removing unaffixed surplus contained in the first of said solutions before applying the second of said solutions.

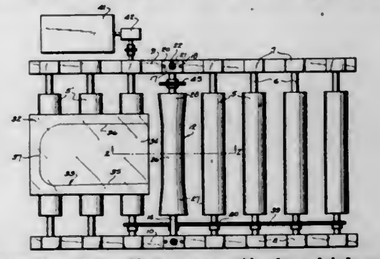
2,150,390
VALVE WITH CONSTANT CALIBRATION
Jean Mercier, Neuilly-sur-Seine, France
Application December 13, 1937, Serial No. 179,380
In France October 11, 1937
2 Claims. (Cl. 267—65)



1. In a shock-absorber or like device, a compression chamber, another chamber connected with the first one and adapted to receive the fluid during its compression in said first chamber, valve means between said two chambers and a third chamber independent and isolated of the two first chambers, said valve means having one face subjected to the pressure prevailing in said first chamber and the opposite face subjected to the pressure prevailing in said third chamber, and further always open connecting means of small diameter between said first two chambers for balancing the pressures in these chambers.

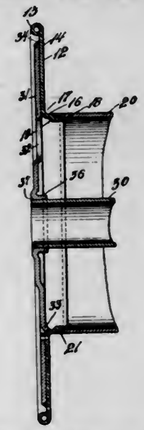
2,150,391
SHEET GLASS BREAKING APPARATUS
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 6, 1935, Serial No. 39,363
6 Claims. (Cl. 49—48)

1. In an apparatus for automatically breaking glass sheets after they have been scored, means for carrying the scored sheets continuously forwardly, and a pair of oppositely disposed breaking rolls between which said sheets are passed, said rolls being provided with correspondingly tapered



and flared end portions respectively which cooperate to apply a bending movement to the sheet outwardly of the score lines sufficient to effect the breaking of said sheet along said lines.

2,150,392
REEL OR SPOOL
Frank Mossberg and Bror A. Johnson, Attleboro, Mass., assignors to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application January 25, 1935, Serial No. 3,459
9 Claims. (Cl. 242—123)

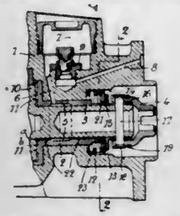


8. A reel or spool comprising a sheet metal barrel, a circular head unit at the end thereof having an annular flange formed from the stock of said head unit, said flange having an outer diameter adjacent said head substantially equal to the outer diameter of the barrel and of a relatively small axial extent compared to said barrel, and an annular centering portion also formed from the stock of said head unit to extend within the end of the barrel that this end of the barrel may overlap said annular portion to center the barrel, said overlapping parts being held together in fixed relation by welding.

2,150,393
MEANS FOR PACKING AND LUBRICATING ROTARY SHAFTS
Jean Louis Léon Alexandre Albert Moulet, Boulogne-sur-Seine, France, assignor to Martin Moulet & Cie, Oullins, Rhone, France
Application June 13, 1938, Serial No. 213,373
In France December 14, 1937
7 Claims. (Cl. 308—36.3)

1. In an apparatus including a casing adapted to contain a fluid under pressure, the combination with a rotary shaft extending through a wall

of said casing and a bearing provided in said wall for rotatably supporting said shaft, of means for packing and lubricating said shaft including two thrust-bearings facing opposite directions and arranged on either side of said wall in liquid tight



relation with the inner and outer surfaces of said wall, respectively, two shoulders on said shaft in spring-pressed engagement with said thrust-bearings and a source of lubricant under pressure adapted to deliver lubricant into the clearance gap between said bearing and said shaft.

2,150,394

METHOD OF RECOVERING ZINC AND BARIUM FROM WASTE WATERS

Manfred Müller, Homberg, Germany, assignor to the firm Sachtleben Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany, a company of Germany

No Drawing. Application October 20, 1936, Serial No. 106,568. In Germany November 16, 1935

14 Claims. (Cl. 134—78)

1. A method of recovering zinc and barium inorganic water soluble salts from waste waters containing such very small proportions of these substances in solution as will not precipitate in accordance with the conventional procedure for the precipitation of lithopone comprising adding as precipitants solutions of barium sulfide and sodium sulfate simultaneously and separately to the waste water, and separating the resulting precipitate from the liquid.

2,150,395

METHOD OF COLORING THE SURFACE OF ALUMINUM OR ITS ALLOYS FOR ACID PROOF AND ALKALI PROOF

Kenzo Nagata, Naka-ku, Yokohama, Japan, assignor to Riken Almite Kogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan

No Drawing. Application September 10, 1936, Serial No. 100,112

3 Claims. (Cl. 148—6)

1. In the method of forming an anti-corrosive oxidized and colored film layer on the surface of aluminum by first forming an oxide coating on the aluminum and then treating the oxide coating with a dye, the features comprising subjecting the aluminum to electro-chemical anodic treatment in an electrolyte including an aqueous solution of a substance capable of producing the oxide, being of the class consisting of oxalic, sulphuric, boric, silicic and chromic acids and the salts thereof, and in addition to the electrolytic production of the aluminum oxide simultaneously producing a glutinous aluminum hydroxide, then while applying direct dyestuff to the aluminum in order to color it, using said glutinous aluminum hydroxide as a mordant for the dye, and subjecting the aluminum thus treated to heat and pressure in superheated steam for about one half hour so as to obtain a compact oxidized film layer of characteristic colors.

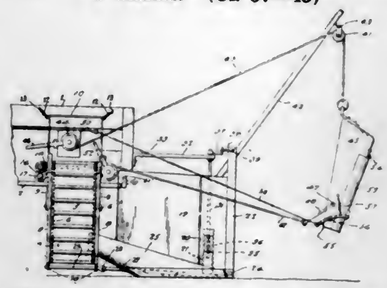
2,150,396

SNOW PLOW

Richard Niewendorp, Sanborn, Iowa

Application December 21, 1937, Serial No. 181,025

2 Claims. (Cl. 37—45)



1. In apparatus of the class described, the combination with a tractor, of a conveyor suspended from the body thereof to extend to one side of the same, a vertically disposed plate-like plow member extending forwardly of said conveyor, a pair of upwardly and rearwardly inclined scoops mounted on said member on opposite sides thereof, respectively, and having rear ends overlying said conveyor, a boom extending upwardly and forwardly from said member and beyond said scoops, and a digger scoop suspended from said boom, and operative to dump into said first mentioned scoops.

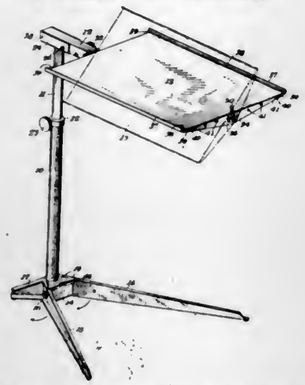
2,150,397

ADJUSTABLE FOLDING TABLE

Raymond M. Owen, New York, N. Y.

Application May 8, 1937, Serial No. 141,521

3 Claims. (Cl. 311—93)



2. A table of the character disclosed, comprising a supporting column having a generally triangular base, divergent supporting feet pivoted at two of the sides of said generally triangular base in position to be rotated about the pivotal centers downwardly and then upwardly into substantially vertical position alongside the column and a stop member extending across the third side of the base and engageable over the divergent feet to prevent upward collapsing movement of said feet, said feet having relatively divergent portions projecting beyond the pivotal connections with the base angularly in respect to said feet and engageable with a supporting surface to oppose folding movement of the column away from said feet and to brace the column against tipping along the lines of said divergent feet.

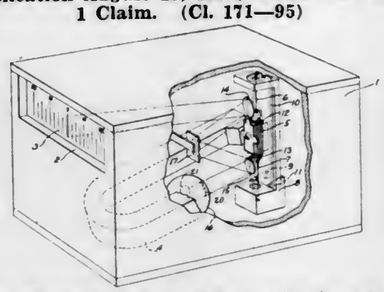
2,150,398

MEASURING APPARATUS

Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 18, 1936, Serial No. 96,694

1 Claim. (Cl. 171—95)



In a galvanometer, a coil movable in response to a measurement being made, a spring mounting means for normally supporting said coil in a predetermined position, a plane mirror mounted near said coil, a source of light positioned below said plane mirror and farther from said coil than the plane mirror, a concave mirror mounted on said coil for reflecting an image of said light source upon said plane mirror, a scale, and a second concave mirror mounted upon said coil for reflecting the image cast upon the plane mirror onto the scale.

2,150,399

NONCRACKING JOINT COVERING AND FINISH

Anthony C. Benedict, Rockville Centre, N. Y.

Application April 19, 1937, Serial No. 137,617

3 Claims. (Cl. 72—16)



1. In building structure adapted to provide a continuous surface, an under structure for a coating comprising a panel and a resilient elastic porous member arranged adjacent thereto, and a stable coating of a flexible, elastic finishing material bonded to said panel and said member, said coating attaining a thickness of $\frac{1}{32}$" at the juncture of said panel and member and comprising particles of solid material, fibrous material, and elastic adhesive material from the class of elastic varnish.

2,150,400

LUBRICATING OIL COMPOSITION

Raphael Rosen, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 4, 1934, Serial No. 746,844

6 Claims. (Cl. 87—9)

1. Composition of matter comprising a viscous mineral lubricating oil and a small amount of an iso-cyanic compound selected from the class consisting of acids and esters soluble therein.

2,150,401

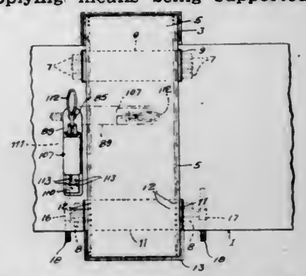
PRINTING APPARATUS

Henry Van Riper Scheel, Passaic, N. J.

Application September 13, 1935, Serial No. 40,399

14 Claims. (Cl. 101—56)

1. Apparatus comprising a printing element, means for applying pressure upon the printing face of said element, means for moving sheet material in the direction of a face dimension thereof and between said printing element and said pressure means, said printing element and said pressure applying means being supported and arranged to be moved together into and out of said relation to said sheet in a direction generally parallel to the face of said sheet in its printing position.



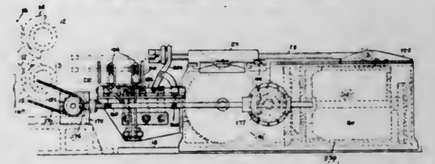
2,150,402

APPARATUS FOR MAKING ROLL-FORGED ARTICLES

Frederick N. Ross, Detroit, Mich., Floyd L. Scoutten, Hudson, Ohio, and John F. Ferm, Midland, Pa., assignors to Mid-West Forge Company, Cleveland, Ohio, a corporation of Ohio

Application July 1, 1935, Serial No. 29,199½

23 Claims. (Cl. 80—26)



1. In combination with a mill for roll-forging articles from blanks, said mill including a pair of rolls providing a plurality of spaced passes, means for chucking a blank to be forged, means for indexing said blank with each of said passes in succession, and means for advancing said blank more than once into each of said passes, said last-named means being driven by power during each blank-advancing movement thereof, and all of said means operating in synchronism and acting automatically and independently of any act on the part of an operator.

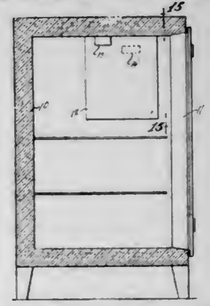
2,150,403

CONTROL DEVICE

Truman S. Safford, Riverside, Conn.

Application December 28, 1934. Serial No. 759,455

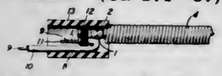
15 Claims. (Cl. 62—4)



1. The combination of a refrigerator including a box and a power refrigerating device having a chilling unit positioned within the box to cool

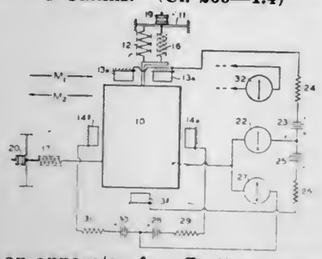
the atmosphere thereof and having a refrigerant therein and said chilling unit having a receptacle within which a freezing temperature is to be maintained, with a control for said refrigerating device including defrosting means adapted to render said device temporarily inoperative while frost is melted from the chilling unit, and means responsive to temperature within said receptacle to prevent interruption of refrigeration by the defrosting means while the temperature within said receptacle is above a predetermined temperature limit, said temperature responsive means being in more intimate heat-exchange relation to the interior of said receptacle than to the refrigerant.

2,150,404
WIRE CONNECTION
Arthur H. Schafer, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1937, Serial No. 122,527
1 Claim. (Cl. 174—87)



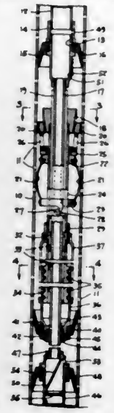
In a wire connection, a flexible cord of insulating material, a wire helically wound on said cord, an insulating covering surrounding said cord and said wire, a lead wire, a covering of insulating material thereon, a bared end portion of said cord with the helically wound wire thereon placed adjacent and parallel to a covered portion of said lead wire, a lashing of thread binding the covered portion of said lead wire to said bared end portion of said cord, a bared portion of said lead wire extended beyond the point of lashing, a portion of said first-mentioned wire helically wrapped into connection with said bared portion of said lead wire, an insulated portion of said lead wire bent back on itself and against said lashing, and a sleeve of insulating material surrounding the connected portions of said wires, the lashed portions of said wires and bearing against the insulating coverings of said wires.

2,150,405
GRAVITY METER
Serge Alexander Scherbatskoy, Tulsa, Okla., assignor to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Oklahoma
Application January 29, 1938, Serial No. 187,760
5 Claims. (Cl. 265—1.4)



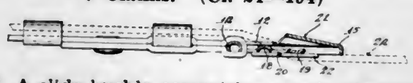
1. In an apparatus for effecting measurements of gravity variations, a movable mass, a spring supporting the mass, the said spring possessing elastic imperfections which accompany the displacement of the mass from its mean position, stops for limiting the maximum displacement of the mass, means for producing an electrical signal when the said maximum displacement is attained, an adjustable spring for returning the mass to its mean position when the said electrical signal has been produced, and a means for indicating the conditions of the said adjustable spring as a measure of the said gravity variations.

2,150,406
WELL CLEANER
Claude C. Taylor, Whittier, Calif.
Application April 22, 1936, Serial No. 75,712
13 Claims. (Cl. 166—20)



1. In a well cleaner, a casing, a tubing string within said casing, a pair of swabs encircling the tubing, and means to simultaneously move both of said swabs in opposite directions with respect to the casing by movement of the tubing.

2,150,407
BUCKLE
Paul W. White, Chicago, Ill., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application August 10, 1936, Serial No. 95,053
7 Claims. (Cl. 24—194)

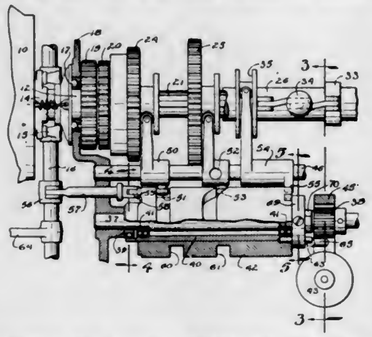


7. A slide buckle comprising a pair of slidably engaged frames disposed in a face-to-face substantially parallel relation, said frames having side bars and cross bars connecting said side bars for defining openings therethrough and receiving a strap threaded therebetween, means on said frames for directing relative longitudinal movements thereof, a cross bar on one of said frames presenting a strap-engaging face inclined relative to the plane of the frame and having a rolled free edge, and a cross bar on the other of said frames being turned out of the normal flat plane of the frame for co-operation with the inclined face of the first mentioned frame to clamp the strap threaded therebetween in adjusted positions.

2,150,408
TRANSMISSION
William L. Wiebrecht, Detroit, Mich.
Application September 22, 1937, Serial No. 165,014
8 Claims. (Cl. 192—3.5)

1. In a vehicle transmission having gearing arranged to provide a plurality of forward speed ratios, an engine clutch operatively connecting the vehicle engine with said gearing, a governor driven by said engine through said clutch, a cam member rotatably mounted adjacent to said gearing, said cam member having a plurality of cam faces thereon which actuate said gearing so that upon rotation of said member said forward gear ratios are progressively engaged, means urging

rotation of said cam member, a dog disposed adjacent to said member which co-acts therewith to prevent rotation of the member from each position where a gear ratio is effected, means connecting said dog and said governor, which, upon the governor attaining a pre-determined speed of rotation, disengages said dog from said member to allow rotation of said member, an engine clutch operating cam on said cam member, and means



connecting said clutch operating cam with said engine clutch so that upon rotation of said cam member said clutch is progressively engaged and released, said several cams being so aligned on said cam member that upon the disengagement of said dog from said member, said member will rotate to first disengage said engine clutch, then effect the next higher ratio of said gearing, then engage said engine clutch and then be stopped by the engagement therewith of said dog.

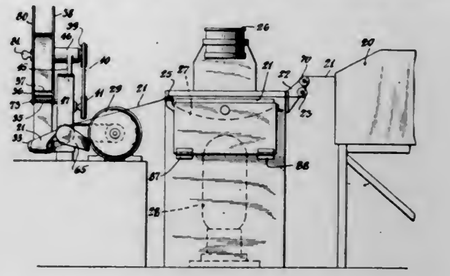
2,150,409
PROCESS OF DYEING ANODIC OXIDIZED COATING OF ALUMINIUM OR ITS ALLOYS
Yakichi Yasoshima, Mukoyanagiwara-Machi, Asakusa-ku, Tokyo, Japan, assignor to Riken Arumaitokogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
Application June 25, 1937, Serial No. 150,422
2 Claims. (Cl. 41—29)



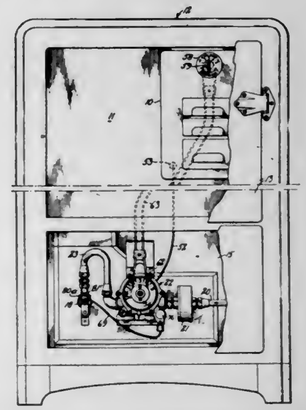
1. Process of dyeing an anodic oxidized coating of aluminium, which consists in subjecting aluminium to an electro-chemical anodic treatment, printing desired figures such as lines, designs, etc. on the porous oxidized coating formed on the surface of said aluminium by the above treatment, with a saponifiable fatty printing varnish preparation having a preservative property and dyeing the remaining portion of said coating with a dyestuff, and then filling the pores of such dyed portion with the soap prepared by the treatment of the whole with an alkali hydroxide and the consequent saponification of the remaining attached saponifiable fatty printing varnish preparation with said alkali.

2,150,410
TAPE CONTROL MECHANISM
Frank E. Anderson, Brooklyn, N. Y.
Application January 19, 1937, Serial No. 121,327
8 Claims. (Cl. 271—2.3)

1. In a device of the character described for feeding recorded news by an intermittent step by step movement and in combination, a drive shaft, a coiled spring mounted on and normally gripping said shaft with sufficient tension to revolve therewith, means, operable under the influence of said revolving spring, to remove slackness in the intermittently moving news sheet, and means operable responsive to the increased tension of the news sheet when slackness has been removed therefrom to hold one end of the coiled spring stationary to impart counter tension to said spring to break its grip on said shaft thereby arresting the movement of the slackness removing means.

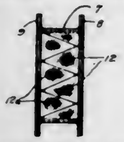


2,150,411
REFRIGERATION
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application October 20, 1936, Serial No. 106,507
9 Claims. (Cl. 62—5)



7. In a refrigerator including a system having an evaporator for cooling and a heated generator and having a heater for heating the generator and a control device for regulating flow of fuel to the heater, said control device including main flow and by-pass structure, an actuating device including an expansible and contractible body, means for expanding and contracting said body for regulating flow of fuel, primary adjusting means for bodily moving said body, means limiting movement of said primary adjusting means to a relatively small range, and mechanism for bodily moving said body beyond the range possible with the primary adjusting means to limit flow of fuel to by-pass flow when said body is abnormally expanded, and means to adjust by-pass flow.

2,150,412
FLANGED HOSE AND METHOD OF MAKING
Jo D. Berwick, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 14, 1937, Serial No. 163,816
2 Claims. (Cl. 285—90)



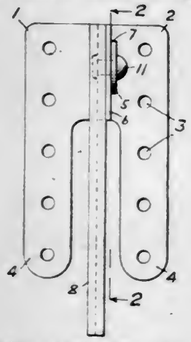
1. A flexible flanged hose comprising a pair of opposing members formed of laminated rubberized fabric, said members each having flange portions and substantially cylindrically arranged pointed projections at one side, said projections of the two opposing members being interfitted to provide a short cylindrical hose body with the flange portions at each end thereof, and vulcanized rubber lining the interior and covering the exterior of said short hose body whereby permanently to join the opposing members together.

2,150,413
FLOOR RACK FOR REFRIGERATOR CARS
Charles David Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application March 15, 1937, Serial No. 130,855
8 Claims. (Cl. 105—375)



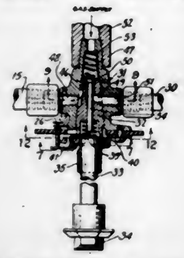
1. A floor rack for a refrigerator car comprising an apertured metallic plate and a plurality of spacers secured thereto which engage the floor of the car, each of said spacers comprising a perforated wall surrounding a hollow portion registering with an aperture in said plate.

2,150,414
HANGER FOR GUTTERS
Charles P. Boyd, Yeadon, Pa.
Application April 3, 1937, Serial No. 134,719
4 Claims. (Cl. 248—48.2)



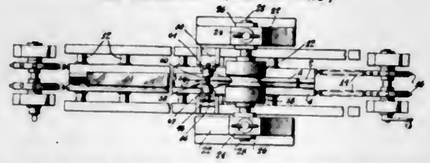
4. A support for a gutter hanger circle comprising, a two-part base made up of a pair of thin, flat plates the adjacent ends of which are bent over at right angles with respect to one another, one of said bent-over ends passing through an opening in the other of said plates, said ends extending outwardly in abuttment to form a flange having a flat face for attaching a stem, said flange being apertured, a stem of channel-iron the flat face of which abuts against the flat face of said flange, and a rivet passing through said flange and stem and securing said plates and said stem together.

2,150,415
IGNITING MECHANISM FOR GAS BURNERS
Nelson T. Branche, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application November 1, 1934, Serial No. 751,002
4 Claims. (Cl. 158—115)



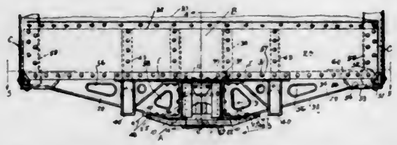
1. Apparatus for igniting a pilot comprising in combination therewith, an electric heating element too remote therefrom to ignite the same, means for discharging a jet of gas in sufficiently close proximity to said element to be ignited thereby for igniting the pilot, a gas supply pipe leading to the pilot, a second gas supply pipe leading to said means, a valve cooperating with both of the two supply pipes and movable from a position of closure to a position of opening with respect to both of said supply pipes, a second valve co-operating with the second supply pipe only and movable from a position of closure to a position of opening with respect to said second supply pipe, an electric circuit for said electric heating element, a make-and-break device in such circuit, the said second valve and the said make-and-break device being operable in unison, the valve to open position and the make-and-break device to closed position.

2,150,416
PROCESS AND APPARATUS FOR FORMING TAPERED SPARS
Edmund B. Cairns, Naugatuck, Conn., assignor to Cairns Metals Corporation, a corporation of New York
Application July 25, 1936, Serial No. 92,557
11 Claims. (Cl. 80—19)



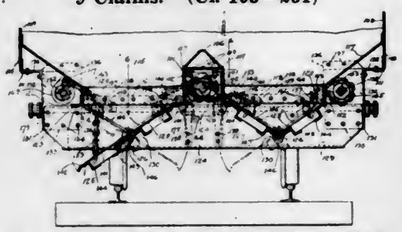
1. An apparatus for making tapered structural members, comprising a freely rotatable forming roll, an annular groove in the roll, a draw-bar having a longitudinal taper from end to end, a forming member fixed to the draw-bar substantially complementary to the groove in the forming roll and of substantially uniform cross-section throughout its length, means for supporting the draw-bar for movement beneath the forming roll, means for fixing a strip of metal to one end of the draw bar and means for moving the draw-bar axially with the forming member in but spaced from the roll groove, whereby the spacing between the bottom of the groove and the top of the forming member will vary inversely as the taper of the draw-bar and the strip of metal will be bent, expanded longitudinally and transversely and metal will be caused to flow toward the edges of the strip and to the zone of bending.

2,150,417
RAILWAY CAR UNDERFRAME
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 16, 1937, Serial No. 148,453
6 Claims. (Cl. 105—419)



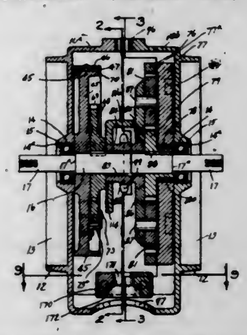
1. In a railway car underframe having a longitudinal center sill and a transverse body bolster, the combination with a longitudinally extending member having a center plate section formed integrally therewith and integrally formed bracket portions extending flatwise on each side of the center sill; transversely extending bolster sections resting on each said bracket portion, each said bolster section beyond the end of the bracket being formed with a downwardly extending projection constituting a side bearing; and means forming welding lugs integral with the bolster sections and lying adjacent the ends of the bracket portions, said lugs and brackets being adapted to be welded together to provide a continuous tie section for the bottom of the body bolster.

2,150,418
LOAD DISCHARGING CAR
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1937, Serial No. 155,460
9 Claims. (Cl. 105—251)



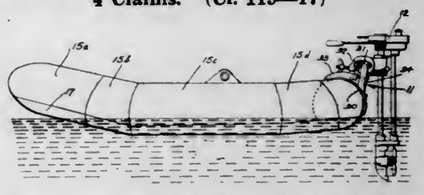
1. In a car of the character described, the combination with a longitudinally extending member dividing the car lengthwise into two hopper sections; partitions extending transversely of the car and adapted to define with said longitudinally extending members a plurality of fixed hoppers terminating in discharge outlets; and a sub-hopper disposed below each said outlet and extended lengthwise of the car beyond the discharge outlet to present a load-receiving receptacle of greater length than the discharge outlet of said associated fixed hopper, each said sub-hopper being provided with vertically extending end walls and doors lying between said end walls for directing lading to either side of the discharge outlet or to both sides thereof simultaneously.

2,150,419
FREE-CHAIN PLANETARY HOIST
Fredrick W. Coffing, Danville, Ill.
Application November 15, 1935, Serial No. 49,919
42 Claims. (Cl. 254—171)



5. In a chain hoist, the combination with a load chain engaging gear, means for rotating the gear for chain movement, a ratchet and pawl structure for sustaining the load when said means is not elevating, a brake structure operatively associated with the ratchet and pawl structure for insuring ratcheting action in load elevation, load sustainment when not elevating and releasably associated therewith for load lowering, and a control member for the brake structure, of a rotatable power member, and a planetary transmission system between the power member and the gear.

2,150,420
MOTOR MOUNTING FOR INFLATABLE BOATS
James F. Cooper, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 20, 1937, Serial No. 126,822
4 Claims. (Cl. 115—17)



1. A removable and portable motor mounting of the class described comprising a base member so formed as to fit snugly upon a substantial area of an inflated tube portion of a fabric boat, and an extension rising from said base member adapted to receive an outboard motor and to hold the same in operative position rearwardly thereof when applied to said inflated tube portion of the boat.

2,150,421
ANTIOXIDANT
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 25, 1935, Serial No. 28,295
6 Claims. (Cl. 18—50)

1. The process of improving the age-resisting characteristics of rubber which comprises treating the same with a dihydro naphthyl aryl secondary amine.

2,150,422
HYDROGENATED FURYL AMINE DERIVATIVES
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,590
10 Claims. (Cl. 260—345)

1. A normal zinc salt of a dithiocarbamic acid in which the nitrogen atom of the dithiocarbamic acid group is attached to a radical selected from the group consisting of tetrahydrofuro, tetrahydrofuromethylene and tetrahydrofuroethylene radicals.

2,150,423
FURYL AMINE DERIVATIVES
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,591
10 Claims. (Cl. 260—345)

1. A normal zinc salt of a dithiocarbamic acid in which the nitrogen atom of the dithiocarbamic acid group is attached to a radical selected from the group consisting of furo, furomethylene and furoethylene radicals.

2,150,424
ACCELERATORS
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,592
3 Claims. (Cl. 18—53)

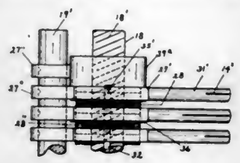
2. The process of treating rubber which comprises subjecting it to vulcanization in the presence of a thiuram sulphide having attached to each of the nitrogen atoms two radicals each of which is a radical selected from the group consisting of furyl, furfuryl and 2-furyl ethyl radicals.

2,150,425
ACCELERATORS OF VULCANIZATION
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,593
3 Claims. (Cl. 18—53)

2. The process of treating rubber which comprises subjecting it to vulcanization in the presence of a thiuram sulphide having attached to each of the nitrogen atoms two radicals each of which is a radical selected from the group consisting of tetrahydro furyl, tetrahydro furfuryl and beta tetrahydro furyl ethyl radicals.

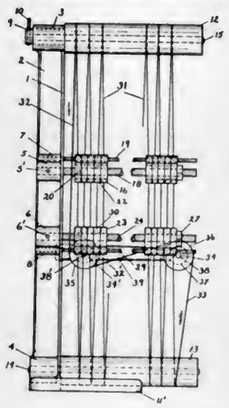
2,150,426
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application November 6, 1937, Serial No. 173,134
20 Claims. (Cl. 146—88)

1. A mechanical movement for spacing apparatus comprising a rotatable shaft, a series of externally threaded spacing rings keyed to but slidable on such shaft, a corresponding series of non-rotatable internally threaded supporting members having the internal threads of each respective supporting member arranged to mesh in whole or in part with the external threads of its corresponding spacing ring to form pairs, each pair comprising one spacing ring and the supporting member threaded thereon, and a series of



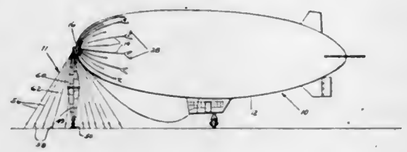
washers each having an external diameter greater than the external diameter of the adjacent threaded spacing rings slidably mounted upon such shaft interposed between and separating said pairs from each other.

2,150,427
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application February 4, 1938, Serial No. 188,701
19 Claims. (Cl. 146—88)



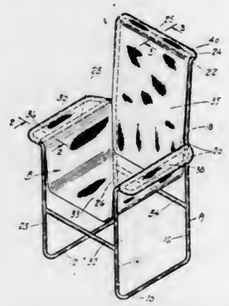
1. In a bread slicing machine, the combination with supporting means, of a plurality of slicing blades traveling therein, a transverse shaft carried by the supporting means, a series of tubular adjusting members slidably mounted upon the shaft each having an interiorly threaded head and an exteriorly threaded neck with a relatively wide peripheral groove formed therein, the exterior threads of each member being engaged with the interior threads of the next succeeding member, narrow detents united to the heads of each members entering and engaging the grooves in the next preceding members respectively, one terminal member of the series being rigidly united to the shaft, and the opposite terminal member having an extension by which it may be manually revolved upon the shaft to cause the intermediate members to successively revolve upon the shaft in the same direction up to the limit of their travel, a corresponding series of annular spacing members severally mounted upon the heads of the adjusting members which are free to rotate therein but secured against lateral separation by pins seated in the spacing members severally and extending into peripheral grooves formed in the heads, arms united to the spacing members, and means to secure the spacing members from rotation upon the adjusting members.

2,150,428
AIRSHIP MOORING
Harold W. Crum and Donald W. Brown, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 22, 1936, Serial No. 101,986
14 Claims. (Cl. 244—115)



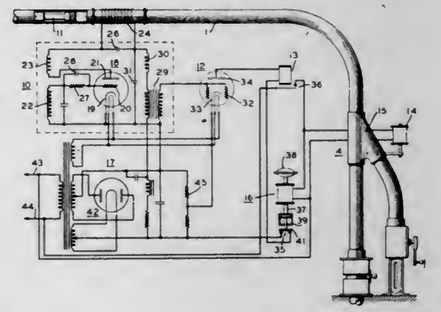
9. In mooring apparatus for airships a nose cone assembly comprising a frusto-conical shaped cap, means for attaching said cap over the nose end of an airship, said means comprising a plurality of battens secured to the airship envelope at substantially uniformly spaced intervals about its circumference, a spider-like fitting for said cap, means for securing said fitting in floating engagement with the outer surface of said cap such means including a plurality of compression springs, means for attaching said fitting to the airship, said means comprising cables laced over said battens and terminating in finger patches applied to the envelope, and a mooring cone adjustably connected with said spider-like fitting by means which permit tilting of the airship in different planes.

2,150,429
CHAIR
Albert P. de Sanno, Jr., Philadelphia, Pa.
Application September 11, 1937, Serial No. 163,341
3 Claims. (Cl. 155—187)



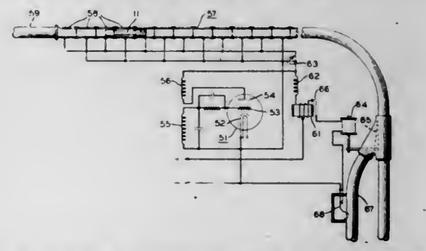
3. A chair comprising a frame, said frame having a plurality of vertically extending side members arranged to form opposite side members, a horizontally extending arm member connected to each of the vertical members comprising one side member, and said arm member extending laterally outwardly from said side member at about the height of an arm rest, the rear vertically extending members extending above the arm members, a cross brace extending rearwardly and joining the upper ends of said rear members, a fabric covering defining the seat and the back of said chair, a plurality of pockets in said fabric, said pockets complementarily receiving the horizontally extending arm members and the cross brace whereby the occupant of the chair will be pivotally suspended in said covering, and said pockets being detachably suspended from the interfitting portion of the frame.

2,150,430
RESONATOR SELECTOR FOR CARRIER CONVEYER SYSTEMS
Adam Drenkard, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 12, 1935, Serial No. 10,734
8 Claims. (Cl. 243—16)



1. In a carrier conveyer system, a conveyer line and carriers for said line, an oscillation generator arranged to be normally not in a state of oscillation and including a resonant circuit, a coil so disposed that carriers pass the same, certain of said carriers having a partly conductive body suitable for momentarily bringing said generator into oscillation by electrostatic coupling with separate convolutions of said coil, and means responsive to the oscillations produced by said generator for controlling the path of travel of said carrier.

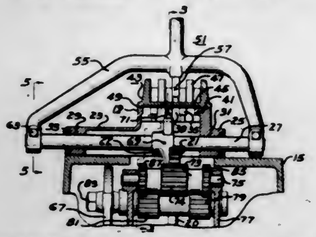
2,150,431
CAPACITY SELECTOR FOR CARRIER CONVEYER SYSTEMS
Adam Drenkard, Jr., Grantwood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 27, 1935, Serial No. 23,765
12 Claims. (Cl. 243—16)



1. In a carrier conveyer system, a carrier guideway, carrier selective means disposed at one or more points along the guideway for controlling the deflection of carriers therefrom, said selective means including a slow acting switching device comprising a deflector disposed in said guideway and a solenoid to actuate said deflector, and an electronic device in circuit with said solenoid for the operation thereof, capacitative means disposed along the guideway ahead of each slow acting switching device, and arranged so that carriers traveling along the guideway pass near the means, said means being coupled to the electronic device for producing a condition therein tending to operate said slow acting switching device in response to the presence of a passing carrier, said capacitative means being extended a substantial distance along the guideway so as to prolong the

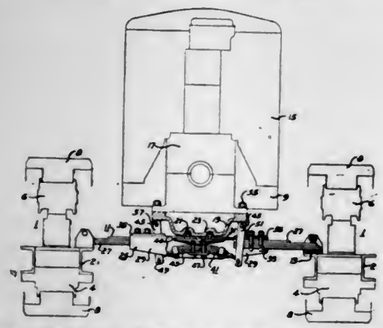
influence of the carrier on the electronic device for a sufficient time to permit the slow acting device to operate.

2,150,432
TRANSMISSION
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 10, 1937, Serial No. 158,322
4 Claims. (Cl. 74—473)



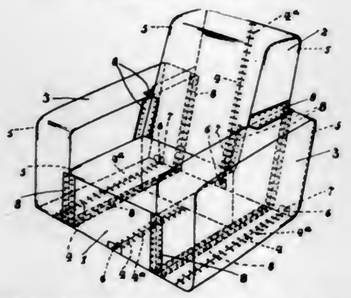
1. Mechanism comprising a transmission housing having an opening therein, a selector plate mounted on said housing over said opening having its selector means positioned directly over said opening and sealing said housing to the entrance of dust through said opening, a transmission enclosed therein comprising a plurality of gears and including a shiftable shaft extending through said housing and slidably supported in opposite spaced walls of said housing by sealed bearings, gear shift control means external of said housing having an operating handle extending from directly over said housing and engaging said selector plate, said control means also having forked means mechanically connected to said shiftable shaft to transmit movement of said gear shift control means to said transmission gearing within said housing.

2,150,433
TRACTOR
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application November 8, 1937, Serial No. 173,384
4 Claims. (Cl. 280—124)



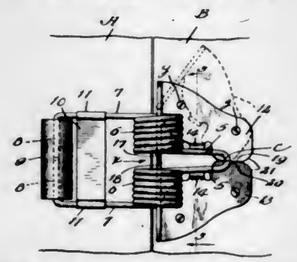
1. A vehicle including a body and a pair of spaced surface engaging means hingedly secured to said body to permit vertical movement of said surface engaging means independently of each other, a main equalizer mechanism for providing a support for said body comprising means bridging said surface engaging means and having a substantially rigid inflexible mid-section and flexible end portions, and an auxiliary equalizer mechanism for maintaining said body in engagement with said main equalizer mechanism, said auxiliary equalizer mechanism being located underneath said mid-section and between said flexible end portions whereby impairment of ground clearance is minimized.

2,150,434
FURNITURE
Archibald Henry Finlay, Holywood, Northern Ireland
Application March 21, 1936, Serial No. 70,060
In Great Britain March 28, 1935
8 Claims. (Cl. 155—179)



8. As an article of furniture presenting a recess to receive the user's body between adjacent back and arm rests, the whole being constituted by a plurality of inflatable envelope means, tie means connecting the same and which tie means act in opposition to the pneumatic pressure and maintains said envelope members against separation, each of said envelope means comprising a non-circular outer cover, an endless inflatable tube disposed annularly therein, and a core of packing material of substantial area between and contacted by adjacent portions of the tube.

2,150,435
DOOR CLOSER AND MOUNT
Alvin H. Floreth, Chicago, Ill.
Application February 25, 1938, Serial No. 192,589
15 Claims. (Cl. 16—76)

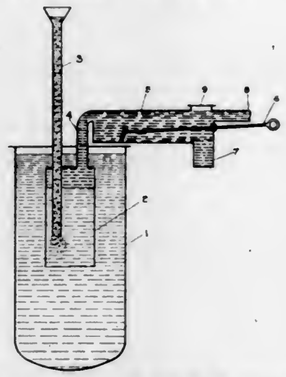


1. A bracket for a door-closer embodying two plates disposed back of and engaged by a presser-member of the door-closer; posts on said plates disposed normally in alinement with each other and engaged with another portion of the door-closer; and a plurality of devices for mounting said plates upon a suitable support; one of said devices providing a pivot upon which one of said plates is adapted to be moved upon removal of the other device from said plate whereby the post carried by said plate is moved out of alinement with the other post.

2,150,436
PREPARATION FOR THE TREATMENT OF WOOD AND OTHER BUILDING MATERIAL AND THE LIKE AGAINST THE ACTION OF WHITE ANTS AND OTHER INSECTS AND AGAINST WEATHERING
George Arthur Fry, Pietermaritzburg, Natal, Union of South Africa
No Drawing. Application October 20, 1936, Serial No. 106,532. In the Union of South Africa October 21, 1935
3 Claims. (Cl. 134—42)

1. An improved insect repelling preparation for the treatment of timber and other building materials, comprising a hot mixed oil-in-water type emulsion of Stockholm tar with a saponaceous substance and aqueous extracts of *Chondrus crispus* known as Irish moss and *Mesembryanthemum eduli* known as Hottentot fig leaves.

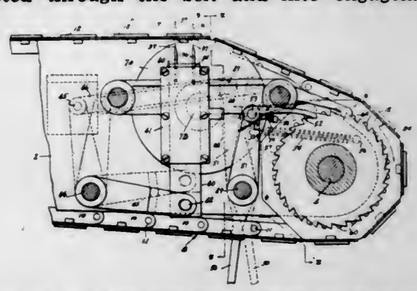
2,150,437
METAL RECOVERY
Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del., a corporation of Delaware
Original application February 2, 1933, Serial No. 654,844, now Patent No. 2,029,998, dated February 4, 1936. Divided and this application August 15, 1935, Serial No. 36,360
3 Claims. (Cl. 210—57)



1. An apparatus comprising a vertical cylindrical covered tank filled with a molten salt mixture, an inverted, bell-shaped separator open at the lower end submerged beneath the surface of said molten salt mixture in the upper portion of said tank, the volume capacity of said separator being approximately one-tenth of the volume capacity of said tank, inlet means for introducing a mixture of light metals extending into said separator to a point near the lower end thereof and outlet means connected to the top of said separator and leading through the cover of said tank.

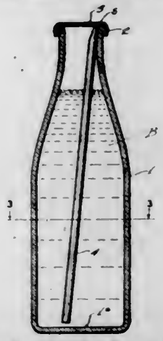
2,150,438
METHOD AND MEANS OF MAKING HAND-MADE NECKTIES
Nathan Gold, Portland, Oreg.
Application April 12, 1937, Serial No. 136,294
7 Claims. (Cl. 223—1)

1. A machine for manufacturing necktles comprising an endless belt, receptacles formed in the belt for receiving structural elements of a necktie, means for maintaining the elements within the receptacle, a plurality of stitch-locating members adapted to be progressively projected through the belt and into engagement



with the tie-elements, and means for advancing the belt and tie-elements.

2,150,439
BEVERAGE DISPENSING ASSEMBLY
Francis C. Hamilton, Evanston, Ill., assignor of one-half to L. Ray Schuessler, St. Louis, Mo.
Application January 10, 1938, Serial No. 184,303
3 Claims. (Cl. 299—17)

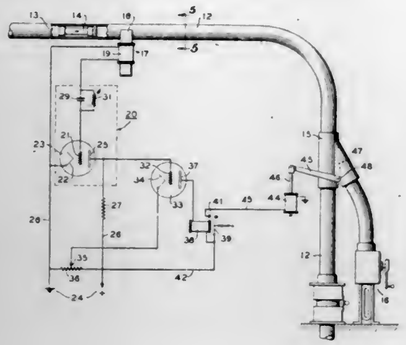


1. A sipper adapted to be sealed within a receptacle in which liquid is contained comprising an elongated element having a passageway formed therethrough through which liquid may be drawn by suction, said passageway being closed at a point thereof so as to restrict passage through said passageway of liquid or air, and said closed portion of the passageway being releasable to a maintained open condition to permit passage of liquid and air through said passageway.

2,150,440
MAGNETIC AND RESONATOR SELECTOR FOR CARRIER CONVEYERS
William Hargreaves, Bergenfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 10, 1936, Serial No. 84,559
5 Claims. (Cl. 243—16)

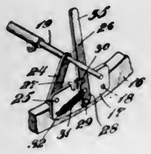
1. In a conveyer system comprising, a guideway embodying a branch outlet and deflector means, carriers adapted to travel in said system and embodying conductive bodies having predetermined degrees of permeance, a valve provided with a cathode, anode and grid to control said deflector means and thereby control the path of said carriers, means for normally maintaining the potential of said grid substantially at the potential of said cathode, means responsive to the passage of said carriers to increase the negative potential of said grid, and energy storage means in circuit

with said grid to sustain said increased grid potential for a predetermined time not less than the



time required for the passage of said carrier from the responsive means to the deflector means.

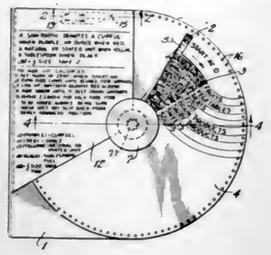
2,150,441
INVALID CHAIR
Thomas Harris, Providence, R. I.
Application February 26, 1937, Serial No. 127,892
7 Claims. (Cl. 155—73)



7. In a wheel chair, rockers on which the same may be supported, a wheel axle, means including a link connection for swingably connecting the axle relative to the rockers, means providing a recess on each rocker for receiving the axle, a member pivotally carried by each rocker and movable to either operative or inoperative positions with a portion thereof adapted to be operatively disposed across the axle in the operative position of said member after the axle is positioned in said recess so as to block the removal of said axle therefrom, said member being constructed and arranged so as to be engaged by said axle and moved thereby into a position to admit the axle into said recess upon a sliding movement of the axle on said member after engagement therewith, and spring means mounted on said rocker tending to resist movement of said pivoted member to its inoperative position by said axle during positioning of the same in the recess and yet acting to maintain said movable member in its operative position for holding the axle in locked position when the axle is in said recess.

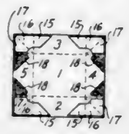
2,150,442
CALORIE COUNTER
Rupert Christian Herzog, Chicago, Ill.
Application August 4, 1937, Serial No. 157,350
10 Claims. (Cl. 35—74)

1. A counter of the class described, comprising a member having a totalizing scale thereon, a count measuring member movable relative to the first member and along said scale, and an indicator movable relative to both said members and having indicating means thereon cooperatively



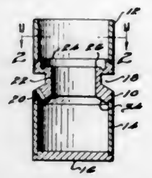
related to said totalizing scale and to said count measuring member.

2,150,443
FOLDING BOX
Roderick W. Hoag, Melrose, Mass.
Application January 15, 1937, Serial No. 120,745
6 Claims. (Cl. 229—31)



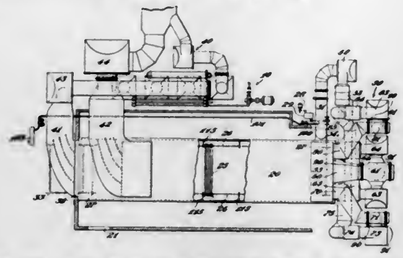
1. A folding paper box comprising a bottom, upright side walls and a pair of end walls, a bellows fold element at each inside corner of the box, one section of each of said bellows fold elements being secured to the inside surface of the corresponding end wall, a flexible covering material secured at predetermined areas to outside surfaces of the box, a bellows fold element at each outside corner of the box being integral with the said covering material, one section of each of the bellows fold elements on the outside of the box being secured to the covering material at the corresponding side wall, substantially as described.

2,150,444
VALVE TAPPET
Joseph H. Hoern, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1938, Serial No. 206,555
8 Claims. (Cl. 123—90)



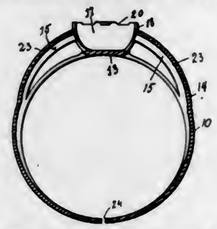
1. A valve tappet comprising, in combination, a pair of tubular members of substantially uniform thickness throughout arranged in aligned and axially spaced relation, an intermediate body member having a restricted bore arranged between and in aligned relation with respect to said body member and rigidly secured thereto, and an end member secured to and closing the remaining end of one of said body members.

2,150,445
ART OF DRYING MATERIALS
Chester S. Jennings, Syracuse, N. Y., and Frank W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application February 4, 1936, Serial No. 62,286
7 Claims. (Cl. 34—48)



3. The art of drying material in a chamber divided by horizontal partitions into a plurality of compartments connected by passages at the ends thereof and including conveying means by which the material to be dried is transported successively through said compartments, which comprises setting up a stream of conditioned air which flows substantially undiminished through the compartments successively in a direction opposite to that in which the material travels, withdrawing a portion of the air stream from the chamber, mixing fresh air therewith, heating said mixture, and returning said mixed and heated air to the chamber where it blends with the air stream.

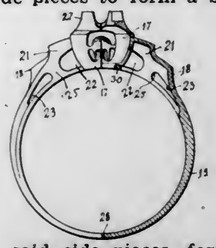
2,150,446
FINGER RING AND METHOD OF MAKING IT
Jacob Karlan, New York, N. Y.
Application September 26, 1936, Serial No. 102,716
3 Claims. (Cl. 29—160.6)



1. In a finger ring, an annulus formed from a blank having hollowed out spaced side pieces raised from the body of the blank and lateral box sections of channelled cross-section formed from the body of the blank about the space of said side pieces, said blank having an integral portion thereof at the spaced side pieces extending between the box sections and lying in the inner annular area of the annulus, and a top secured to said box sections.

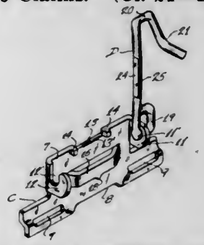
2,150,447
METHOD OF MAKING FINGER RINGS
Jacob Karlan, New York, N. Y.
Application February 5, 1937, Serial No. 124,175
3 Claims. (Cl. 29—160.6)

1. A method of making finger rings which comprises forming a blank with lateral wings, drawing side pieces on the blank with a gap therebetween so that the said side pieces overlay the blank in spaced relation at the gap, slitting the side pieces at the gap in a plane parallel to the blank, shaping and bending the wings toward the drawn side pieces to form a box about the



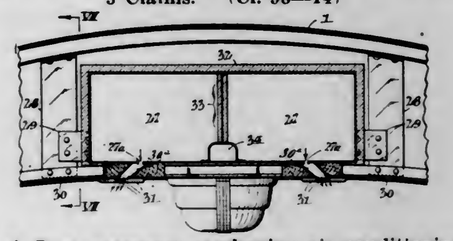
gap between said side pieces, forming bars in the blank to span the wings in the gap, and bending the so-shaped blank into an annulus.

2,150,448
ANTISKID DEVICE
Bernhard Littmann, Richmond Heights, and Robert C. Rueff, St. Louis, Mo., assignors to Nixdorff-Krein Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 2, 1938, Serial No. 193,460
6 Claims. (Cl. 24—193)



1. For use with a flexible connector-strap, a locking structure comprising a plate, a bar operatively connected to, and spaced upwardly from, the plate for permitting the strap to be threaded thereunder and doubled upon itself, a keeper swingably connected at one end on the plate, detent means on the plate having releasably retentive engagement with the other end of the keeper, said keeper when in engaged position being disposable in substantially proximate parallelism to the bar.

2,150,449
AIR CONDITIONING APPARATUS FOR PASSENGER CARS
William J. Madden, Lansdowne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1937, Serial No. 127,827
5 Claims. (Cl. 98—14)



4. In a passenger car having air conditioning means and blowing means for moving air in contact with said air-conditioning means and blowing it into the passenger space of the car, a distribution duct receiving the conditioned air and

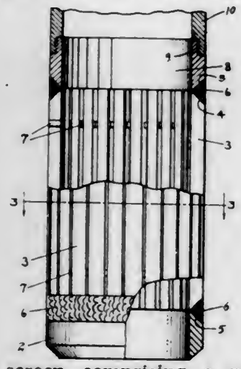
extending along behind a wall of said passenger space, said wall having a substantially continuous air delivery slot therein with inclined sides, and said duct having in its wall a substantially continuous relatively narrow discharge slot extending along said wall slot and formed to direct the discharging air against an inclined side of the latter, whereby an eddying or turbulence of the air in and issuing from said wall slot is created, so as to quicken and improve the intermixture of this issuing conditioned air with the air in the passenger space of the car.

2,150,450

SCREEN PIPE

Joe F. Maloney, Houston, Tex.

Application June 27, 1936, Serial No. 87,722
7 Claims. (Cl. 166—5)



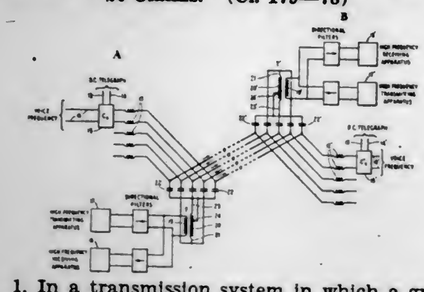
1. A well screen comprising a plurality of spaced axially aligned rings externally beveled at their ends, a plurality of parallel segmental bars having externally beveled ends, said bars being arranged in the form of a cylinder and interposed between adjacent ends of adjacent rings, said bars being of a length not greater than three times the diameter of said rings, a lug on one side of each of said bars adjacent each end thereof to space it from the next adjacent bar by a predetermined amount, and weld metal filling the spaces betwen the adjacent beveled ends of said rings and bars to integrally join said parts together and form a unitary screen structure.

2,150,451

HIGH FREQUENCY CONDUCTOR SYSTEM

Joseph W. Milnor, Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application October 16, 1936, Serial No. 106,036
20 Claims. (Cl. 179—78)



1. In a transmission system in which a group of adjacent conductors are substantially parallel to each other, with at least one of said conductors being disposed intermediate other conductors of the group, the method which comprises transmitting a high frequency current over each of a plurality of said conductors, causing the flow of said high frequency current at any instant to be in opposite directions in adjacent conductors of the group, and causing the instantaneous values of said high frequency current flowing in said conductors at any instant to differ in amplitude from an intermediate conductor of said group towards said other conductors of the group.

2,150,452

METHOD OF AND APPARATUS FOR ABSORPTION OF GASES IN LIQUIDS

Sterne Morse, Richmond Heights, Ohio

Application May 18, 1936, Serial No. 80,247
6 Claims. (Cl. 261—11)



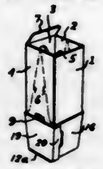
1. The method of absorption of a gas in a solvent for said gas said solvent having a boiling point higher than that of the gas at substantially unchanging pressure except for hydrostatic differences, which comprises bringing said solvent to a relatively high temperature out of contact with said gas, causing absorption of said gas in said solvent to a proportion determined by such high temperature, removing the heat developed by said absorption at such high temperature by a cooling agent at a small temperature difference below such high temperature, further cooling said solvent to a lower temperature, further absorbing said gas to a concentration determined by such lower temperature, further removing the heat developed by such further absorption to a cooling agent at a new lower temperature and continuing said cooling of solvent, additional absorption of gas and removal of heat by a cooling agent to the desired concentration of gas in the solvent and low temperature.

2,150,453

PLANT PACKAGE

Marion R. Mulford and Harry Z. Gray, Lebanon, Ohio, assignors to Hewett P. Mulford & Company, a partnership consisting of Hewett P. Mulford and Marion R. Mulford, Lebanon, Ohio

Application February 5, 1937, Serial No. 124,196
9 Claims. (Cl. 47—37)



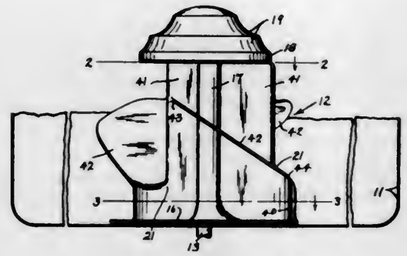
4. A plant package comprising a member to contain a bulb and covering material, a bud shielding element to extend above said containing member and having portions to interlock thereabout, and a pot simulating encircling band to hold said containing member and element in operative relationship, and means for holding said encircling band in operative position with respect to said containing member and shielding element.

2,150,454

AGITATOR FOR WASHING MACHINES

Jabez Curry Nelson, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application March 7, 1936, Serial No. 67,686
7 Claims. (Cl. 68—134)



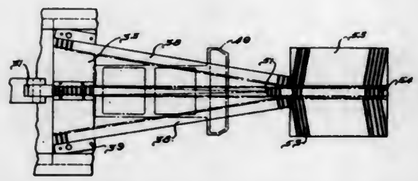
1. An agitator adapted to be mounted in a vat containing clothes and washing fluid, said agitator comprising a base, a central post extending upward to the normal surface level of cleansing fluid in the vat, a plurality of blades extending substantially radially outward from the base and from substantially the base to substantially the normal surface level of cleansing fluid, and a plate extending at an angle to the horizontal between each pair of adjacent blades, both faces of each of said plates being exposed to the clothes.

2,150,455

MEANS FOR BROACHING SURFACES

Axel L. Nilsson, Pleasant Ridge, Mich., assignor to Colonial Broach Company, a corporation of Michigan

Application June 30, 1934, Serial No. 733,184
3 Claims. (Cl. 90—33)



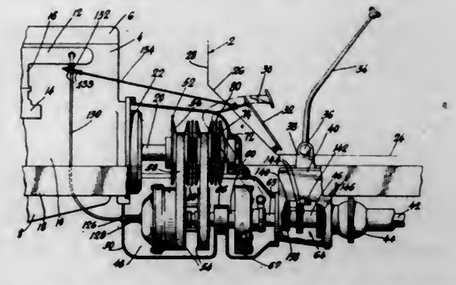
1. The combination with a broaching machine, of means for supporting a work piece to be surfaced, broaching bars convergingly disposed to have the inner sides facing each other, teeth on each of said inner sides, the spaced ends of said bars being of a width to receive opposite side edges of said work piece, the adjacent ends of said bars disposed to machine the central portion of said work element, and means for pulling said broaching bars across the work element to have the teeth thereof progressively cut inwardly from side edges to machine the top surface during the longitudinal movement of the broach.

2,150,456

VARIABLE SPEED DRIVE

Lester E. Perrine, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application November 22, 1933, Serial No. 699,155. Divided and this application September 29, 1934, Serial No. 746,205
23 Claims. (Cl. 74—472)



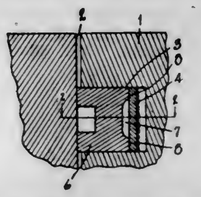
1. In a variable speed drive, a driver-operated control, two pulleys mounted on parallel spaced shafts, each of said pulleys having a shiftable and a non-shiftable side, a belt traveling over said pulleys between said sides, means independent of manual control and operative upon change of speed of one of the pulleys for causing the shiftable side of said one pulley to move toward its non-shiftable side and as a result thereof causing the shiftable side of the other pulley to move away from its non-shiftable side to keep a tension on the belt and produce changes in speed ratio corresponding to changes in the effective diameters of the pulleys, said movement of the shiftable pulley sides occurring substantially simultaneously, fluid pressure servo control means arranged to be operated according to movements of said control and fluid motor means controlled thereby and operatively interrelated with one of the pulleys to effect movement of the shiftable side thereof to change the speed ratio.

2,150,457

PISTON RING ASSEMBLY

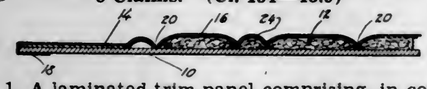
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application June 4, 1936, Serial No. 83,461
9 Claims. (Cl. 309—44)



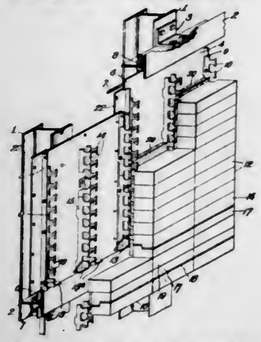
1. In combination, an expansible split piston ring of cast iron and an inner ring of steel adapted to be seated under said piston ring in a piston groove, said inner ring having a plurality of rounded crimps, said piston ring having an inner central circumferential channel providing spaced circumferential lands at either side of the groove, said lands being parallel to the axis of the piston ring and contacting the inner ring, whereby wear is substantially diminished, said channel being approximately .007–.010 inch in depth.

2,150,458
UPHOLSTERY TRIM PANEL
Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application October 25, 1935, Serial No. 46,731
8 Claims. (Cl. 154—45.9)



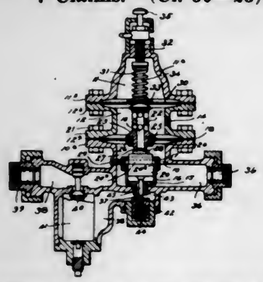
1. A laminated trim panel comprising, in combination, a foundation lamination, a lamination of wadding juxtaposing the foundation lamination, and a relatively thin flexible layer of embossed and self form sustaining composition fibrous material overlying the wadding and secured to the foundation lamination.

2,150,459
INSULATING REFRACTORY WALL
George P. Reintjes, Kansas City, Mo.
Application December 28, 1936, Serial No. 117,779
7 Claims. (Cl. 72—101)



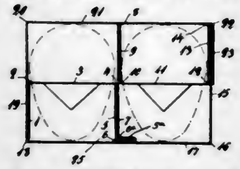
1. An insulating wall for furnaces comprising a metal panel member having a pair of its opposite side edges provided with firebrick engaging means extending from bottom to top of the panel and inclined toward each other for interlocking engagement with the opposite ends of a brick, and means adjacent one edge of the panel constituting a support for such column of brick.

2,150,460
PRESSURE CONTROL MECHANISM
George Henry Riches, Cooksville, Ontario, Canada, assignor to Patent Development Company Limited, Toronto, Ontario, Canada
Application January 12, 1937, Serial No. 120,283
7 Claims. (Cl. 50—23)



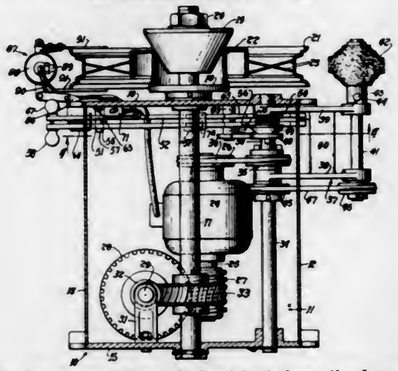
1. A pressure control mechanism for a heating system for maintaining the heating fluid within the system between a maximum and a minimum predetermined pressure, comprising a sectional casing having an inlet adapted for connection to a source of water under a pressure in excess of the minimum pressure in the system, an outlet adapted for connection to the system, and a discharge for excess pressure, a transverse partition between the inlet and outlet, an imperforate diaphragm above the discharge anchored between the sections to form a chamber above the discharge sealed against the admission thereto of fluid from the system, a second diaphragm anchored between the sections of the casing and located between said inlet and discharge, said diaphragms forming a flexible discharge passage communicating with the discharge and movable in response to pressure variations within the system, said second mentioned diaphragm having a passage therethrough communicating with the discharge, a valve seat carried by said second mentioned diaphragm, a laterally ported guide member mounted on said partition and having a valve seat communicating with the inlet, a valve normally closing said last mentioned passage and slidably mounted in said guide member, said valve being movable with said second diaphragm to remain seated during predetermined travel of the diaphragm in response to pressure variations below the maximum pressure, spring means within the closed chamber acting on said diaphragms against the movement thereof in response to pressure increase within said system, and means carried by said guide member to engage and unseat said valve when the diaphragms move in response to pressure within the system in excess of the maximum pressure, an inlet valve normally closing said inlet and means actuated by the diaphragms for unseating said last mentioned valve when the diaphragms move in response to a decrease in the pressure within the system below the predetermined minimum.

2,150,461
COLLAPSIBLE EGG CARTON
Rudolf Sandell, Stockholm, Sweden
Application August 4, 1936, Serial No. 94,125
In Sweden December 18, 1935
1 Claim. (Cl. 229—29)



An egg carton comprising a collapsible outer rectangular shell including bottom, longitudinal side walls and top of the carton, said bottom and said longitudinal side walls each consisting of one continuous undivided plain surface portion, and an interior member primarily composed of at least one longitudinal vertical partition wall dividing the carton into a corresponding number of longitudinal compartments for the eggs and serving as a supporting wall extending in the closed erected carton between the bottom and top of the carton so as to support and stiffen said bottom and top, and secondly, at least one intermediate longitudinal bottom or panel within each of said compartments provided with one row of seats for the eggs, each of said longitudinal partition walls being pivotally connected both to the adjacent intermediate bottoms or panels and to the bottom of the outer shell, and said intermediate bottoms or panels in the outermost compartments being pivotally connected to the longitudinal side walls of the outer shell, said pivotal connections of the partition walls and of the intermediate bottoms or panels being permanently effected even prior to the erection of the carton along parallel lines running in the longitudinal direction of the carton to make said interior member collapsible in the transverse direction of the carton by pivoting said parts of the interior member about said parallel lines when collapsing the outer shell.

2,150,462
WHEEL RIM REFINISHING MACHINE
William J. Schultz and Eli Pedersen, Chicago, Ill.
Application December 21, 1936, Serial No. 116,908
10 Claims. (Cl. 91—13)



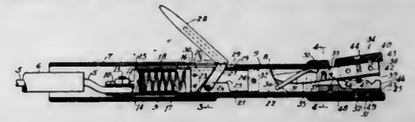
10. In a machine of the kind described, means for rotatively supporting a wheel rim, a power driven cleaning member mounted for movement into and out of engagement with the inside of the channel of the wheel rim, a motor, means for driving the wheel rim supporting means and the cleaning member from the motor, means for applying a coating material upon the wheel rim channel, means manually movable in one direction, for bringing the cleaning member into engagement with the wheel rim channel and for starting the motor, power means for moving said manually movable means in the other direction, said manually movable means in its movement in the other direction, operating to remove the cleaning member from said rim and further operating in one part of its movement, to actuate said coating applying means and then operating in another part of its movement, to stop the motor.

2,150,463
MERCAPTOTHIAZOLE DERIVATIVES
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application July 6, 1936, Serial No. 89,124. Divided and this application July 6, 1936, Serial No. 89,125
13 Claims. (Cl. 260—47)

1. The reaction product of a mercaptobenzothiazole, formaldehyde and a phenol, said product being obtainable by causing a mixture consisting of a mercaptobenzothiazole, formaldehyde and the phenol to react in the presence of a resinifying catalyst.

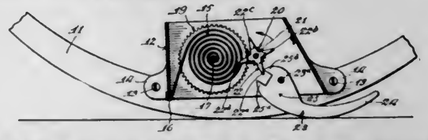
2,150,464
ELECTRODE HOLDER
Albert H. Smith, South Gate, Calif.
Application March 29, 1937, Serial No. 133,488
11 Claims. (Cl. 219—8)

1. In an electrode holder, an electrode holding jaw pivoted on the holder, an element movable longitudinally of the holder and arranged to effect pivotal movement of the jaw by its said longitudinal movement, spring means connected to



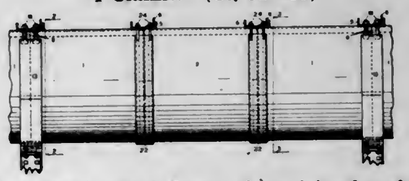
effect movement of said element longitudinal of the holder, and means on the holder arranged to move the element longitudinally thereof against the action of the spring.

2,150,465
MECHANICAL TOY
Frank J. Sonheim, Chicago, Ill., assignor of one-half to Ellwood F. Whitchurch, Chicago, Ill.
Application December 30, 1937, Serial No. 182,390
8 Claims. (Cl. 46—147)



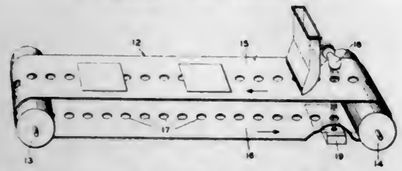
7. A mechanical toy for resting on a supporting surface comprising a housing having a spring wind-up motor mounted thereon, a star wheel rotatably mounted on said housing and being normally urged to rotate one direction by said motor, and a gravity-weighted arm having a forked extension pivotally movably mounted on said housing, one of the forks of said extension engaging one of the points of said star wheel by force of gravity on said arm to resist the movement of said star wheel during movement of said toy into one position and for releasing said star wheel during movement of said toy into a second position, the movement of said star wheel upon release thereof operating the point thereof against the other of the forks of said extension to cause a lifting engagement of said arm with said supporting surface for moving said toy.

2,150,466
METAL FLUME
Roy M. Soper, Kansas City, Mo.
Application November 26, 1937, Serial No. 176,533
4 Claims. (Cl. 61—15)



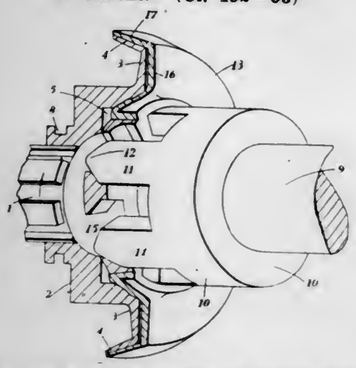
1. A sheet metal flume of semicircular shape and comprising longitudinally disposed abutting sections provided with an internally disposed flange along each longitudinal edge of each section, said sections connected to tie plates resting on said flanges, a transversely disposed tie bar connecting each pair of tie plates, a flat compressible packing overlapping the ends of each pair of abutting sections, a draw band around the outwardly facing side of said packing, and bolts connected to said draw bands and passing upwardly through said tie plates and binding said bands and said packing to said sections.

2,150,467
PHOTOELECTRIC MESSAGE DETECTOR
Ray W. Stain, Brooklyn, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 11, 1936, Serial No. 73,924
7 Claims. (Cl. 177—311)



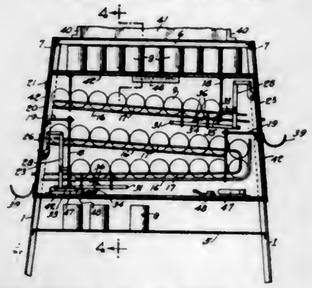
1. In a conveyor, a light source, a light-sensitive device, an endless moving belt having alternate transparent and opaque sections along the direction of travel thereof, said belt being disposed between said light source and said light sensitive device, means partially controlled by said light-sensitive device having two conditions, a second means cooperating with said light-sensitive device for maintaining said first named means in a first one of said conditions for a predetermined rate of interruption of the light from said light source to said light-sensitive device by opaque sections of said belt, means operative by said light sensitive device on slower rates of interruption of light thereto for conditioning said first named means to the second of said conditions, an electro-responsive device and means controlled by the second condition of said first named means for rendering said electro-responsive device operative.

2,150,468
COUPLING
Bernard Thomson, Woldingham, England, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 26, 1930, Serial No. 439,114
In Great Britain April 25, 1929
8 Claims. (Cl. 192—53)



1. In combination, co-acting power transmitting members having means for positively engaging with one another; and an intermediate member frictionally engageable with one of said power transmitting members and in positive engagement with the other of said power transmitting members, said intermediate member being adapted on the movement to engage said power transmitting members to synchronize their speeds and prevent engagement of same while their speeds are asynchronous, said means on one of said power transmitting members for the positive engagement therewith of its co-acting power transmitting member acting also for the positive engagement of the intermediate member therewith.

2,150,469
VENDING RECEPTACLE
Cornelius C. Tozer and Edward H. Berger, Hawthorne, N. Y.
Application February 15, 1937, Serial No. 125,683
2 Claims. (Cl. 312—48)



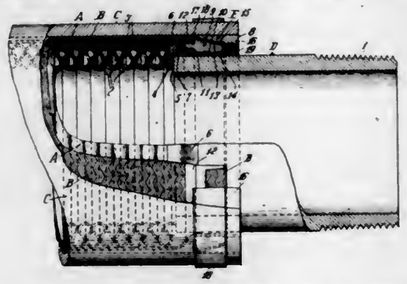
1. An apparatus for displaying and dispensing package merchandise comprising a cabinet having package removal openings, a plurality of tracks supported in the cabinet in inclined position and terminating at their lower ends at said openings, a door for each opening, a common access opening for loading said tracks, and means for each track for successively dispensing the packages thereon operable by movement of the door, each said means comprising a pair of flaps carried by the cabinet adjacent the track for movement from a vertical position obstructing passage of articles along the track to a non-obstructing depressed position, said flaps being disposed in spaced relation along the track, the front flap being vertical and the rear flap being depressed when the door is closed, and leverage mechanism operatively connecting the door and flaps whereby opening of the door depresses the front flap and elevates the rear flap.

2,150,470
PROCESS OF PRODUCING METALLIC ARTICLES SUBSTANTIALLY FREE FROM IMPURITIES
John Tyssowski, Dobbs Ferry, N. Y.
No Drawing. Application April 28, 1937, Serial No. 139,503
2 Claims. (Cl. 204—57)

1. A process of producing a metallic article which comprises treating a mould with a zinc oxide mould wash, casting the metal from which the article is to be formed into anode form in said treated mould, electrolytically producing a refined brittle cathode from the anode, and coalescing the brittle cathode and transforming it without melting into a merchantable shape by pressure, whereby the final article is substantially uncontaminated by impurities from the casting operation.

2,150,471
FLEXIBLE METALLIC HOSE
John Van Vulpen, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application July 15, 1937, Serial No. 153,792
5 Claims. (Cl. 285—72)

1. In combination in a flexible hose, a metallic nipple, an imperforate corrugated metallic tubing, a tubular braided wire covering fitted about the corrugated tubing, and an annular metallic clamping device, the end of the corrugated tubing being permanently connected to the nipple to form a joint of greater diameter than the outer diameter of the nipple, the clamping device com-

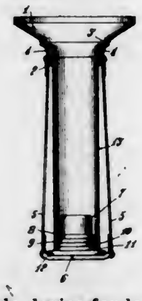


prising a pair of rings adapted to wedge over one another and fit about the nipple beyond the joint, the end portion of the braided covering extending over the joint and between the inner ring and the outer surface of the nipple and being folded back over the inner ring and clamped in place between the two wedged rings.

2,150,472
FERRATED COLLOIDAL MOLYBDENUM
Percy R. Vessie, Briarcliff Manor, N. Y., assignor to Florence Armstrong Vessie, Blythewood, Greenwich, Conn.
No drawing. Application December 20, 1937, Serial No. 180,831
3 Claims. (Cl. 167—72)

2. A ferrated colloidal molybdenum consisting of colloidal molybdenum with adsorbed water soluble ferrous salt.

2,150,473
DEVICE FOR FILLING COIN WRAPPERS WITH COINS
Albert N. Wagner, Cary, Ill., assignor to The American Perforator Company, a corporation of Illinois
Application March 8, 1935, Serial No. 10,029
Renewed July 16, 1938
13 Claims. (Cl. 133—1)



2. A collapsible device for loading a coin wrapper tube comprising a funnel equipped with a cylindrical neck through which a coin wrapper tube is adapted to pass, a member equipped with a plurality of annular spaced apart coin tube supporting shoulders and with a plurality of cylindrical surfaces of different diameters for supporting the lower ends of tubes of respectively different diameters and for telescopic reception within said tubes, respectively, removable devices engageable in the said funnel and the neck thereof for fitting tubes of different diameters passed through the funnel neck, and flexible, foldable means connecting said funnel with said member for limiting the spacing of the latter from said funnel.

13. A collapsible coin wrapping device for use with coin holding tubes of flexible material, said device comprising a conical tube guiding and coin receiving funnel having a flaring entrance portion, the upper end of which has a diameter equal to at least half of the circumference of the flexible tube and the lower end of which has a diameter slightly greater than the outside diameter of the tube, and a circular tube-supporting portion having a diameter slightly greater than the outside diameter of the tube, a wrapper and coin stack supporting member having a coin stack supporting projection for extending telescopically into the lower end of the coin holding tube which is inserted through said funnel, a tube supporting shoulder adjacent said projection for engagement with the lower edge of the tube, and longitudinally extensible means connecting said supporting member with said funnel having sufficient movement to enable the tube containing its allotment of coins to be moved from a position in which the upper end of the tube does not extend into the flaring portion of the funnel to a position in which a major portion of the coin stack extends beyond the smaller part of the conical funnel.

2,150,474
CARD HOLDER FOR LOOSE LEAF BINDERS
Willis Park Williams, Canfield, Ohio
Application March 22, 1937, Serial No. 132,201
2 Claims. (Cl. 281—31)

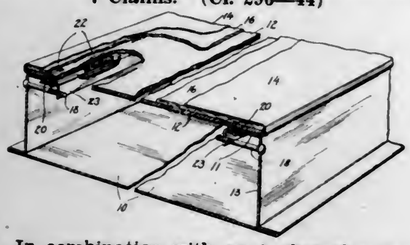


1. A card holder for loose leaf binders and the like comprising a doubled piece of celluloid positioned in a recess in the cover of said loose leaf binder, a reinforcement on one edge of said doubled piece of celluloid and the other edge firmly secured to the binding material of the cover in such manner that the entire doubled piece of celluloid forms a pocket within the said recess, the said doubled piece of celluloid being stitched or otherwise fastened at each side thereof to the binder.

2,150,475
STABILIZATION OF DITHIOCARBAMATES
Charles F. Winans, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 3, 1937, Serial No. 146,287
9 Claims. (Cl. 23—250)

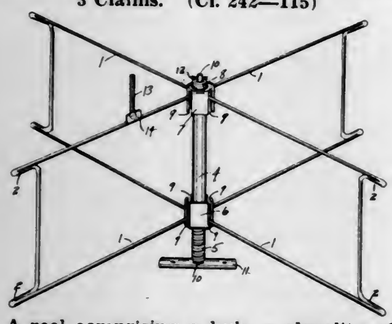
1. The method of stabilizing aqueous solution of a water-soluble salt of pentamethylene dithiocarbamic acid which comprises adding thereto a water-soluble sulfide.

2,150,476
PANEL FASTENER
Herbert J. Woodall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application September 4, 1936, Serial No. 99,344
7 Claims. (Cl. 296—44)



1. In combination with an L-shaped supporting element, a panel overlying one leg of said element, said panel provided with a part projecting rearwardly therefrom and at an acute angle thereto over the edge of said leg of the element and thereunderneath and a tightening member connecting said part and the other leg of said element adjustable to draw said part against the edge of said leg of the element and to draw the panel against the abutting face of said leg and across said abutting face toward the other leg of the element.

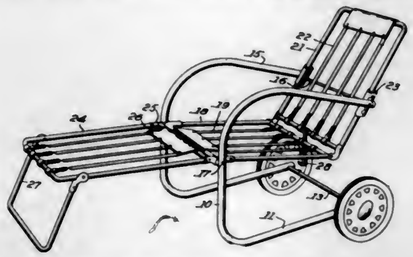
2,150,477
REEL FOR FISHLINES
Leon J. Wright, Akron, Ohio
Application August 9, 1938, Serial No. 223,844
3 Claims. (Cl. 242—115)



1. A reel comprising a hub, a plurality of U-shaped arms, looped ends on the said arms adapted to slidably engage the said hub, slotted brackets on the said hub adapted to receive the said arms and position them about the hub so as to form a reel.

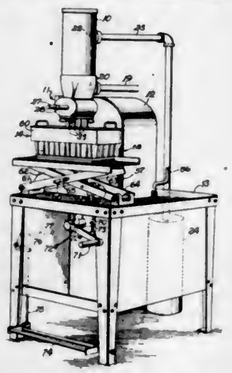
2,150,478
CONVERTIBLE CHAIR
Harry A. Yerrick, Toledo, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application November 9, 1937, Serial No. 173,647
1 Claim. (Cl. 155—105)

A chair comprising a pair of spaced substantially C-shaped members, providing parallel base members, upright leg portions, and parallel armrests, an axle connecting the rear ends of the base members, a transverse rod connecting the rear ends of the arm-rests, a transverse pivot rod connecting the leg portions intermediate the ends of the latter, a seat frame connected at its forward edge to the transverse pivot rod, a substantially rectangular back frame pivotally connected to the seat frame, spaced slotted plates carried by the back frame, each having one of the walls defining said slot notched to adjustably engage the transverse rod so as to support the back and seat frames in various positions of adjustment, a substantially U-shaped leg rest having its free ends pivotally connected to the transverse pivot rod for movement to a horizontal operative position forwardly of the seat frame and for movement to a horizontal inop-



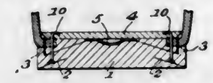
erative position substantially parallel with and beneath the seat frame, a U-shaped support having its free ends connected to the outer end of the leg rest for supporting the latter in its operative position, a pivoted strap carried by the back rest, intermediate the sides of the latter and having a part formed to detachably engage the bight portion of the leg rest to support the latter in its inoperative position, and wheels carried by the axle for supporting the rear ends of the base members above a supporting surface.

2,150,479
DISPENSING APPARATUS
Swan F. Anderson, Rockford, Ill.
Application August 27, 1937, Serial No. 161,205
5 Claims. (Cl. 226—107)



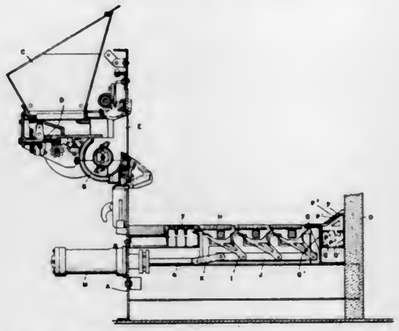
2. A mechanism for dispensing selectively variable quantities of material comprising, in combination, a receiver for a reserve supply of material having an outlet, means including a movable member for dispensing a measured quantity of material from said receiver through said outlet, the quantity of material dispensed being a function of the extent of movement of said member, power actuated means including a clutch for driving said movable member during a selected number of predetermined cycles of movement of said power actuated means, and an adjustable speed change mechanism interposed between said clutch and said movable member.

2,150,480
METHOD OF MAKING TURNED SHOES
Gerald R. Babb, Auburn, Maine
Application August 12, 1936, Serial No. 95,516
3 Claims. (Cl. 12—142)



2. That improvement in the method of making a turned shoe, comprising attaching to the sole area of the first last a prepared sole fitted on one side for stitching, applying to the last an upper of a turned shoe structure wrong side out and stitching it to said sole, withdrawing the stitched upper and sole from the first last and turning it right side out, placing the shoe on a second last with a reinforced shank piece between the sole and said last, and uniting the margins of said shank piece to the shoe structure by a series of fasteners driven from the outside of the sole through the shank piece and upset on the upper surface thereof by contact with the last bottom whereby said shank piece and sole are united as an arched structure rigidly spanning the rear of the shoe from heel seat to ball.

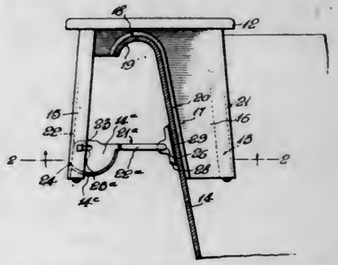
2,150,481
FURNACE
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application May 4, 1936, Serial No. 77,875
3 Claims. (Cl. 110—115)



1. In a furnace, the combination with a horizontally extending grate and a sprinkler type fuel feed including a rotary impeller arranged at the front of the furnace to distribute fuel longitudinally over said grate a wall extending across said furnace at the rear of said grate and a series of tuyères inclining upward from the grate and extending across the furnace adjacent said wall the inclination of said tuyères being such in relation to the angle of friction that fuel dropping thereon will not greatly exceed in depth that upon the horizontal grate.

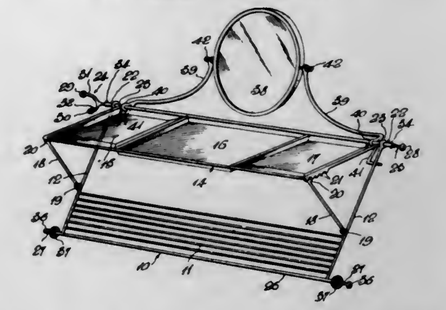
2,150,482
BATHROOM TUB STOOL
George B. Bentz, New York, N. Y.
Application March 21, 1938, Serial No. 197,254
12 Claims. (Cl. 155—36.5)

8. A bathroom tub stool applicable to a rolled rim tub, said stool comprising a seat, two inner legs rigidly secured to said seat, means projecting inwardly from said inner legs to lie against the inner side of the tub wall, two outer legs rigidly secured to said seat in such spaced relation with said inner legs as to occupy positions outwardly spaced from the tub wall, means under said seat to rest upon the rolled rim of the tub wall, and abutment means movably connected with said outer legs and projecting inwardly



therefrom below said seat to abut the outer side of the tub wall below the rolled rim, said abutment means being movable to an out-of-the-way retracted position when the stool is to be removed from the tub, said inner and outer legs being of uniform length to rest upon a floor and operatively support the stool when removed from the tub.

2,150,483
VANITY ATTACHMENT FOR BATHTUBS
George B. Bentz, New York, N. Y.
Application April 23, 1938, Serial No. 203,956
18 Claims. (Cl. 4—185)

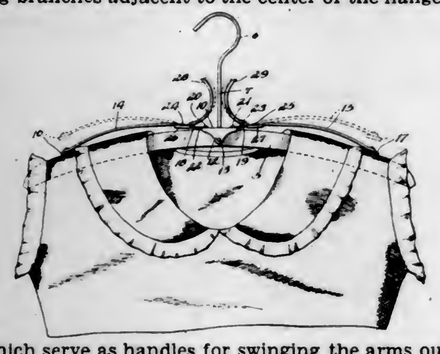


1. A vanity attachment for a bathtub, comprising an inclined frame to extend transversely in a tub, a tray pivoted to the upper end of said frame for downward swinging into compact relation therewith when not in use, and arms for supporting said tray in operative position, said arms being pivoted to said frame and detachably engaged with said tray.

2,150,484
CLOTHES HANGER
Rudolph Bernhardt, Chicago, Ill.
Application April 26, 1937, Serial No. 139,031
3 Claims. (Cl. 223—93)

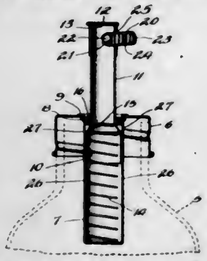
1. The combination of a bar for holding garments or the like, a support engaging with the center of the bar, a bracket secured to the center of the bar, leaf springs having their inner ends rigidly fixed to the ends of the bracket and extending longitudinally of the bar, arms rigidly secured to said springs, pads at the ends of said arms, said springs being flexed to press the outer ends of the arms toward the bar and said arms

also having integrally formed, upwardly extending branches adjacent to the center of the hanger



which serve as handles for swinging the arms out of holding position.

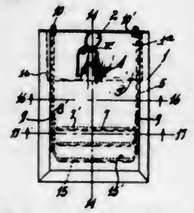
2,150,485
DISPENSER
Rudolph Bernhardt, Chicago, Ill.
Application May 27, 1937, Serial No. 145,026
3 Claims. (Cl. 221—50)



1. A dispenser for a bottle or the like, comprising a cylinder closed at one end and open at the other end, said cylinder being formed of drawn metal and of uniform internal diameter, means for attaching the open end to a closure cap or the like with the cylinder projecting into the container, a piston in said cylinder, a spring coacting with the piston and cylinder tending to hold the piston in projected position, said piston being formed of drawn metal and having an integrally formed discharge tube extending outwardly therefrom which is of substantially less diameter than the piston with a tapered shoulder between the piston and the tube, a retaining ring secured in the end of the cylinder by a pressed fit and coacting with the discharge tube and serving as a stop for the piston, said cylinder having an inlet opening in the side spaced at a distance from the closed end and serving to permit fluid to pass into the cylinder below the piston and having an opening in the side thereof above the piston to prevent trapping of fluid between the piston and the retaining ring, a hand piece on the outer end of the discharge tube, a discharge nozzle extending laterally from the outer end of the discharge tube, and a check valve in said nozzle.

2,150,486
CHILD'S BLANKET
Ingvard Bjornson, Sunset Beach, Calif.; Clifford Albert Neil, owner by decree of Court
Application February 18, 1935, Serial No. 7,028
9 Claims. (Cl. 5—334)

1. In a blanket, a cord mounted in the blanket, said cord extending along three sides of the blanket, said blanket having slits therein adjacent the bottom thereof, said cord projecting out of the slits, a loop connected to the upper end of each of the cords, said loops projecting out of the blanket, adjustable gripping means slidably mounted on said loops and on the cord projecting from the slits, and a plurality of transverse foot cords arranged in spaced relation, said transverse foot cords being attached at the ends thereof to said cord on opposite sides of the blanket to the first named cord.



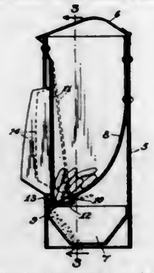
8. In a blanket, a series of longitudinally disposed fastening means adjacent the lower side edges of the blanket and a transverse foot cord adapted to be detachably and selectively secured at both ends to said fastening means.

2,150,487
COMPRESSOR APPARATUS
Seymour Brown, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 4, 1938, Serial No. 211,788
9 Claims. (Cl. 230—190)

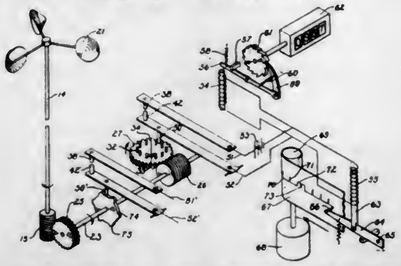
1. In a compressor apparatus including fluid compression means, a fluid supply line and a crankcase, the combination of means for creating within said fluid supply line an area in which the pressure is substantially lower than the suction pressure of said compression means, and means for providing communication between said area of low pressure and said crankcase at a point above the normal oil level therein.

2,150,488
CRACKER CRUMBER
John L. Camenzind, Montesano, Wash.
Application March 1, 1938, Serial No. 193,301
2 Claims. (Cl. 146—63)

1. A cracker crumber consisting of an upstanding casing having front, side and rear walls, a chute having its upper portion fixed to the rear wall and its lower portion curved outward and terminating a short distance from the front wall, teeth formed on the lower end of said chute, a spring plate having its upper end fixed to the front wall and extending to a point slightly below the lower end of the chute, the lower end of said spring plate bent to form an L-end extending to a point slightly beyond said teeth, and said spring plate having a slot arranged to receive said teeth when the spring plate is moved inwardly.



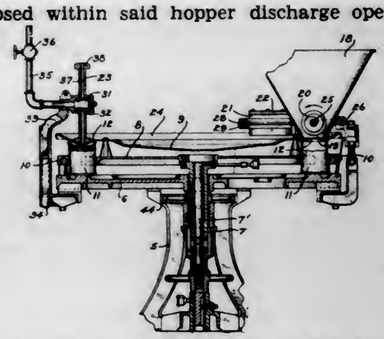
2,150,489
TOTALIZING AND RECORDING APPARATUS
Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 2, 1936, Serial No. 103,758
4 Claims. (Cl. 234—65)



1. In a device of the character described, a rotatable member, an electric circuit including a source of electric energy, an electro-magnet and switch means for opening and closing said circuit to energize and de-energize said electro-magnet, cyclically operable means interposed between said member and switch means for momentarily closing the latter a predetermined number of times during each cycle of operation of said cyclically operable means, each closure being after a predetermined number of revolutions of said member, and for then closing said switch means during an equal number of revolutions of said member except momentarily when the same is opened, a movable record sheet, and a recording stylus adapted to engage said record sheet and to be actuated by said electro-magnet.

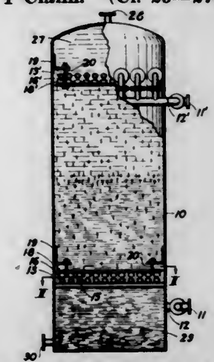
2,150,490
ART OF PACKING COMMODITIES IN RECEPTACLES
William F. Christel, Valders, Wis., assignor to Hansen Canning Machinery Corporation, Cedarburg, Wis., a corporation of Wisconsin
Application January 25, 1938, Serial No. 186,832
10 Claims. (Cl. 226—96)

1. In combination, an upright hopper having a constricted lower commodity discharge opening, a plate having a series of openings moveable directly beneath said hopper discharge opening, means for advancing receptacles beneath said plate and in direct communication with said hopper through said openings, and a revolving screw disposed within said hopper discharge opening



and extending approximately parallel to said plate.

2,150,491
LIQUID DISTRIBUTOR
John Q. Cope, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 26, 1935, Serial No. 46,923
1 Claim. (Cl. 23—270)

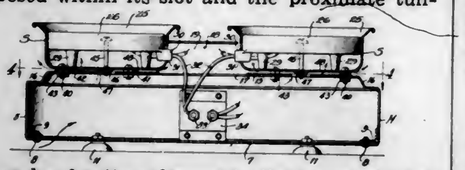


A distributor system for introducing two dissimilar liquids into a vertically elongated vessel having liquid outlets at the top and bottom thereof, to promote intimate contact with liquid therein without channeling or turbulence, comprising an upper liquid piping for introducing a heavier liquid into said vessel, spaced downwardly directed nozzles in said upper piping, a plurality of upwardly concave receptacles aligned with and below said nozzles, a lower liquid piping for introducing a lighter liquid into said vessel, spaced upwardly directed nozzles in said lower piping, and a plurality of downwardly concave receptacles aligned with and above said nozzles, the overflow from said receptacles into which said liquids are jetted respectively descending and ascending freely through a considerable distance and in undisturbed liquid to the respective outlets of said vessel without contacting intermediate members therein.

2,150,492
ELECTRIC STOVE
Harvey Cory, Chicago, Ill.
Application August 29, 1936, Serial No. 98,533
2 Claims. (Cl. 219—37)

1. An electric stove comprising a chambered base having an apertured top, an open-ended tunnel mounted over the top aperture, a pair of shells mounted on the base top one adjacent each end of the tunnel, there being a slot through the peripheral wall of each shell affording a communi-

cating passage into the tunnel, a recessed brick fitted within each shell having a terminal block disposed within its slot and the proximate tun-



nel end, a heating element in the recess of each brick, and electrical connections from the heating elements passing through the terminal blocks into the chambered base.

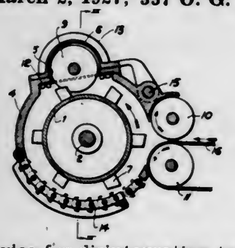
2,150,493

DEVICE FOR DISINTEGRATING TOBACCO LEAVES

Ruben Dahlström, Alsten, and Bertil Rothelius, Stockholm, Sweden, assignors to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden

Application October 26, 1936, Serial No. 107,675
In Sweden October 25, 1935
7 Claims. (Cl. 131—60)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



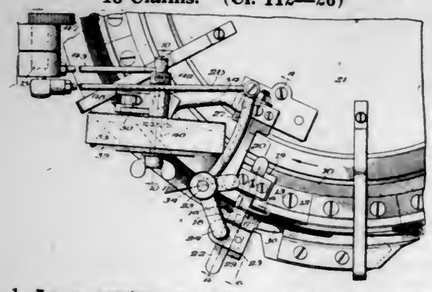
4. In a device for disintegrating tobacco leaves, a rotatable breaker member, disintegrating members beyond said breaker member, outwardly projecting teeth arranged on said breaker member to pass in spaced relationship between said disintegrating members, and means having scraping edges in close proximity of said disintegrating members, said disintegrating members having a movable, substantially cylindrically shaped front surface adapted to engage tobacco leaf parts and stems moved by said teeth.

2,150,494

SEWING MACHINE

Thomas H. De Spain, Paducah, Ky., assignor to Southern Textile Machinery Company, Paducah, Ky., a corporation of Kentucky

Application June 20, 1938, Serial No. 214,833
18 Claims. (Cl. 112—26)



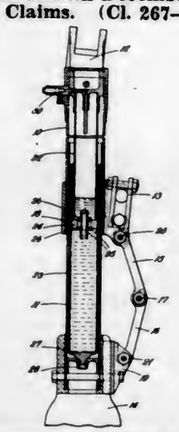
1. In a sewing machine comprising a series of work points adapted to receive loops of two pieces of work to be united, means movable transversely of the edges of the work for moving the loops of one piece of work away from those of the other piece longitudinally of said work points, and a trimmer blade engageable with the said other piece of work only.

2,150,495

TELESCOPIC SHOCK ABSORBER LEG FOR AIRCRAFT UNDERCARRIAGES

George Herbert Dowty, Cheltenham, England

Application September 15, 1937, Serial No. 163,980
In Great Britain December 1, 1936
14 Claims. (Cl. 267—64)



1. A shock-absorbing leg for an aircraft undercarriage comprising a telescopic system of tubes, a pair of links pivotally connected to each other and pivotally connected to tubes of said system for transmission of torque in said system, and a telescopic shock-absorbing unit attached to tubes of said system so as to operate telescopically therewith, one at least of the attachments allowing relative rotation of the unit and the corresponding tube.

2,150,496

HOLDER FOR SURGICAL NEEDLES

Ernst Axel Johan Ericsson, Gothenburg, Sweden

Application March 18, 1937, Serial No. 131,705
In Sweden March 18, 1936
7 Claims. (Cl. 128—321)



1. A holder for surgical needles comprising a pair of shanks pivoted together in the form of forceps, a jaw directly connected to one end of one of said shanks, a lever, a jaw directly connected to one end of said lever, means pivotally and slidably connecting the opposite end of said lever to said first mentioned shank, and the second of said shanks having an end pivotally connected to said lever between said jaw and said first mentioned pivotal connection of said lever.

4. A holder for surgical needles comprising a pair of shanks pivoted together in the form of forceps, a jaw formed on one end of one of said shanks, a lever, a jaw formed on one end of said lever, means pivotally and slidably connecting the opposite end of said lever to said first mentioned

shank, the second of said shanks having an end pivotally connected to said lever between said jaw and said first mentioned pivotal connection of said lever and the distance between the pivot connecting said two shanks and the pivot connecting said lever and said second mentioned shank being substantially shorter than the distance between the pivot connecting said two shanks and the said pivotal means.

2,150,497

FASTENER

Eric Birger Fernberg, Pinner, England

Application May 1, 1937, Serial No. 140,114
In Great Britain September 11, 1936
2 Claims. (Cl. 24—259)



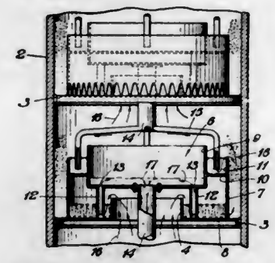
1. A fastener device for trim pads or the like comprising a unitary member of tempered spring steel bent into generally U-form as viewed in side elevation, one leg of the U forming a base portion whereby the member may be secured to a pad and the other leg of the U forming a clamping portion whereby a pad equipped with the device may be secured to a foundation structure, said base portion having a flat end portion and a Z-section portion in extension of said end portion, the arms of the Z extending substantially normal to the plane of the end portion and providing shoulders, the clamping portion being an extension of said Z-section portion at the end thereof remote from its merger with the flat end portion and having its free end formed with an outturned tip.

2,150,498

BUBBLE TOWER CONSTRUCTION

Ray Llewelyn Geddes, Hammond, Ind., and Ernest W. Thiele, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application February 15, 1935, Serial No. 6,620
5 Claims. (Cl. 261—114)



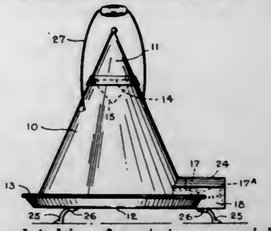
1. In a fractionating column having superimposed contacting units, said units containing means for contacting downflowing reflux liquid with upflowing vapors wherein said vapors are forced to bubble through a pool of said liquid, the improvement comprising a restricted vertical passage through which said vapors are forced to pass after bubbling through said pool, means for continuously introducing reflux liquid into the upper part of said restricted passage, means for withdrawing reflux liquid from the lower part of said restricted passage, a conduit in each unit for discharging said withdrawn liquid to a unit below said contacting means, and a pool having an overflow dam positioned above said restricted passage and communicating with said discharging conduit from the unit next above whereby reflux liquid may escape from said restricted passage under conditions of excessive vapor velocity.

2,150,499

AUTOMATIC WATER FOUNTAIN FOR CHICKENS

Gus Goltz, Beausejour, Manitoba, Canada, assignor of one-half to Gus Stebbe, Beausejour, Manitoba, Canada

Application September 22, 1937, Serial No. 165,189
In Canada May 20, 1937
1 Claim. (Cl. 119—77)



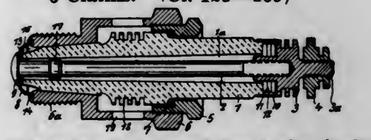
A poultry drinking fountain comprising a conical reservoir having its base extending beyond the walls of the reservoir and turned upward to form an annular trough, a float chamber attached to the side of the reservoir at the base thereof, a pipe connecting said reservoir with the float chamber above the base thereof, said pipe being disposed horizontally within the float chamber with its discharge end turned downwardly and flared to provide a valve seat, a float arm pivotally attached at one end to the outer wall of said float chamber, a ball valve mounted on the upper side of the free end of said float arm in alinement with the valve seat of said pipe, a float on the underside of said float arm beneath said ball valve, a guide pin extending upwardly from the bottom of said float chamber into an aperture in the bottom of said float for keeping said ball valve in alinement with its seat, and an outlet establishing communication between said float chamber and the trough.

2,150,500

SPARKING PLUG

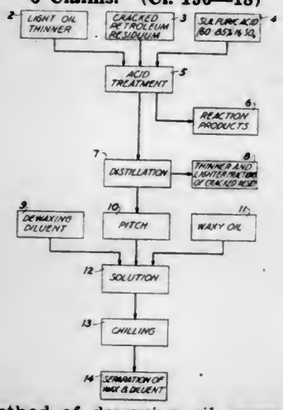
Leo Graf, Cologne-Bickendorf, Germany, assignor to Karl Werth, Berlin, Germany

Application April 1, 1937, Serial No. 134,373
In Germany February 17, 1937
6 Claims. (Cl. 123—169)



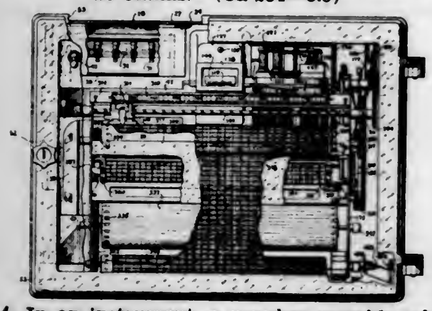
1. A sparking plug comprising a plug body, an insulator body mounted in said plug body, said insulator body having a tapered axial bore therein, a rod located in said bore and in spaced relation thereto, means for positioning said rod in said bore at opposite ends thereof, said insulator body projecting from the lower end of said plug body, a cup-shaped electrode secured to said rod and bearing against the end face of said insulator body, said cup-shaped electrode having a rim spaced from said insulator body, and an earth electrode arranged in spaced relation to said central electrode, said plug body having an annular recess in the end face thereof, said earth electrode being located in said recess.

2,150,501
DEWAXING OF PETROLEUM OILS
Ralph A. Halloran and Arthur L. Lyman, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application August 1, 1936, Serial No. 93,881
6 Claims. (Cl. 196—18)



1. A method of dewaxing oil comprising dissolving in the oil a diluent and a minor quantity of the product formed by treating liquid residuum of a petroleum oil cracking operation with sulfuric acid containing not less than 60% and not more than 85% H_2SO_4, removing the sludge and reducing the treated residue by distillation to a viscous pitch, chilling the solution of oil diluent and pitch to cause wax to precipitate therefrom and separating the wax from the oil.

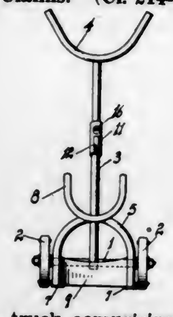
2,150,502
MEASURING, INDICATING, AND RECORDING INSTRUMENT
Thomas R. Harrison, Wyncote, Ernest H. Grauel, Conshohocken, and John Ernest Kessler, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 23, 1931, Serial No. 546,290
20 Claims. (Cl. 234—5.5)



4. In an instrument, a member movable relative to a predetermined position in response to variations of a measuring force, a device movable into engagement with said member to be positioned in accordance with the direction of deviation of said member from predetermined position, a pair of drive members, a single element adapted to be engaged and driven selectively by one or the other of said drive members, means operated by said device for selecting one of said drive members for engagement with the element, means for driving said selected drive member and element arranged to engage the first mentioned member for controlling the extent of driving action in accordance with the extent of deviation of the first mentioned member from predetermined position.

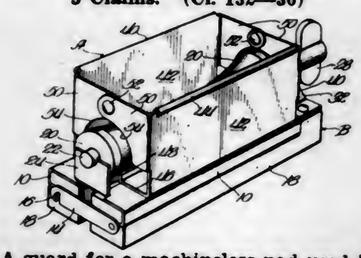
20. A multiple recording instrument including a chart, a printing hammer, means for operating the printing hammer comprising in combination a lever, a driving bar adapted to actuate the lever, clutch means operated by said lever and connected to said printing hammer to actuate the latter, intermittently operating means for engaging the bar and driving the bar and lever to thereby operate said printing hammer, and means for moving the bar relative to the lever from a non-actuable position into an engageable relation with the intermittently operating means.

2,150,503
BARREL TRUCK
Roe C. Hawkins, Long Beach, Calif.
Application June 15, 1936, Serial No. 85,227
6 Claims. (Cl. 214—65.4)



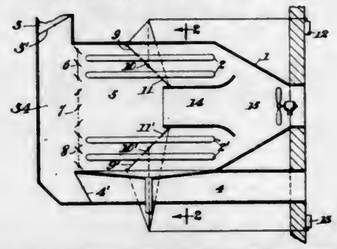
1. A barrel truck comprising an axle, a post secured to the axle, a handle bar on the upper end of the post, said handle bar being arcuate in shape and positioned at an angle to the post, a frame secured to the axle and to the post, a pair of shoes on the frame, said shoes being adapted to extend under a barrel, barrel chime engaging means including a sleeve slidably mounted on the post, a hook on the sleeve, an inclined cam surface adjacent the inner end of the hook engageable by the barrel whereby the sleeve and hook are cammed upwardly as the barrel tilts onto the truck.

2,150,504
HAIR CURLING DEVICE
Harold B. Hobbs, Omaha, Nebr.
Application July 25, 1938, Serial No. 221,106
5 Claims. (Cl. 132—36)



1. A guard for a machineless pad used in hair curling comprising a pair of elongated members pivotally secured at the ends and adapted to be pivoted together forming a receptacle for hair curled on a spindle, said receptacle having the side thereof opposite the scalp open for insertion of the machineless pad, and the sides of the members adjacent the scalp forming a bottom provided with a slit which can be opened and closed by pivoting the members for admitting a quantity of hair to be curled.

2,150,505
AIR CONDITIONER
Clarence C. Hunicke, Palisade, N. J., assignor to Auditorium Conditioning Corporation, a corporation of New Jersey
Application April 19, 1935, Serial No. 17,289
3 Claims. (Cl. 257—137)



1. An air conditioning apparatus having a conditioning chamber, a heat control unit in the conditioning chamber, means for supplying conditioning medium to said heat control unit, a fresh air inlet, a return air air inlet, means for circulating air from said different inlets past and in contact with different portions of said heat control unit, and a plurality of individually adjustable baffle means located between the discharge ends of said inlets and the heat control unit, different of said individually adjustable baffle means being located in the path of different portions of the air circulated in contact with said heat control unit, said baffle means being adapted to control individually the flow of fresh air and return air past and in contact with said different unit portions respectively.

2,150,506
SYNTHETIC RESIN AND PROCESS OF PREPARING SAME
John H. Kelly, Jr., Chicago, Ill.
No Drawing. Application December 23, 1935, Serial No. 55,933
13 Claims. (Cl. 260—104)

1. In the process of producing a fused rubber-rosinate compound suitable for lacquer coatings, the step of treating a fused rubber-rosinate compound at a temperature not substantially less than 460° F. with glycerol.

2,150,507
ALKYL METHACRYLIC ESTERS AND PROCESS OF MAKING SAME
Edward L. Kropa, East Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application March 31, 1937, Serial No. 134,015
2 Claims. (Cl. 260—486)

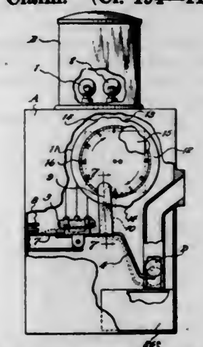
1. The process for the preparation of an alkyl ester of methacrylic acid which comprises reacting a silicon halide with substantially stoichiometrical proportions of an alkyl ester of α-hydroxy isobutyric acid to form an alkyl oxyisobutyrate silicate and heating said product, whereby decomposition into a hydrated derivative of silicon and the unsaturated ester occurs.

2,150,508
APPLIANCE FOR USE IN THE TEACHING OF ARITHMETIC
Cornelis Kuiper, Zetten, Netherlands, assignor to Johannes Iddink, Ede, Netherlands
Application April 2, 1936, Serial No. 72,416
In the Netherlands April 18, 1935
2 Claims. (Cl. 35—31)



1. An appliance for use in the teaching of arithmetic, comprising a table which is subdivided by a partition into a left and a right table compartment, a number of elements for each compartment, horizontal rods passing in front of and along the corresponding compartment on which said elements are slidable, tiltable and unsymmetrically arranged, the elements of the left compartment, being of equal size, are larger than the equal sized elements of the right compartment, a shelf located at right angles to the surface of the table being arranged at the outer end of each compartment under each rod and over a portion of said compartment, in such a manner, that the elements above the said shelves may only be displaced along the rods in a position perpendicular to the table and kept by the shelves in the said position, a partition arranged above and below each rod, said partitions being perpendicular to the surface of the table and lying over the other portion of each rod whereby the elements are supported by said partitions in their tilted up and tilted down position in such a manner that they are at an acute angle with the surface of the table.

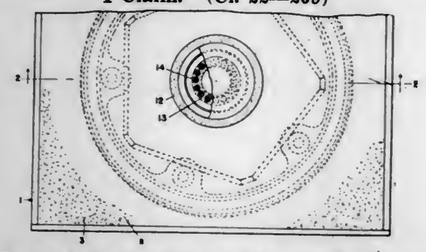
2,150,509
ELECTRICALLY OPERATED PARKING METER
Floyd R. Landrum, Dallas, Tex.
Application August 12, 1936, Serial No. 95,553
1 Claim. (Cl. 194—11)



In an electrically operated parking meter, signal means indicating operating and dormant conditions of said meter, a rotatable disc carrying a chronometrical dial capable of manual setting, said disc having peripheral means for predetermining its period of rotation, electrical means

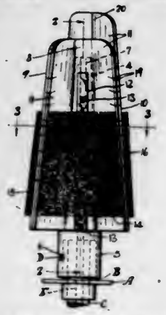
for operating said disc, a coin chute, a coin actuated lever disposed for pivotal displacement, a spring for maintaining adjustable tension on said lever, a roller carried by said lever, a switch also carried by said lever, an electric circuit connecting said switch, signal and disc operating means when said lever is actuated by a coin and having engagement through the medium of said roller with the peripheral means of said disc to predetermine the periods of rotation of the latter.

2,150,510
APPARATUS FOR FORMING CASTINGS
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application September 28, 1936, Serial No. 103,027
1 Claim. (Cl. 22—209)



In a mold for casting brake drums, the combination of a cope and a drag cooperating to form a mold cavity having a generally axially extending brake flange portion, a generally radially extending web portion connecting into said brake flange portion, a generally axially extending hub portion connecting into said web portion, a preformed core positioned centrally of said hub portion and forming a cavity surface therefor, a ram-up annular core positioned adjacent the radially inner side of said brake flange portion and adjacent the junction of the web portion and the brake flange portion and forming cavity surfaces therefor, a preformed pouring cup in said cope, said cup having a strainer forming the bottom of said cup, said strainer being engageable with the upper end of said first mentioned core to position the latter, and green sand portions in other sections of said cope and drag.

2,150,511
CLEANING DEVICE FOR GLASS-WASHING MACHINES
Jacob D. Markwood, Minneapolis, Minn.
Original application November 30, 1936, Serial No. 113,411. Divided and this application August 7, 1937, Serial No. 157,922
5 Claims. (Cl. 15—123)



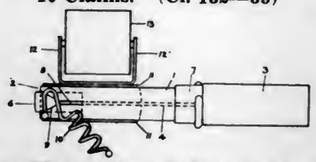
1. A scrubbing device comprising an elongated spindle of triangular cross section, a flat resilient scrubbing member secured by its medial portion longitudinally to each flat face of the spindle and with its sides extended freely from the contiguous corners of the spindle to thereby meet and mutually support the corresponding sides of adjacent scrubbing members in radially extended directions relative to the axis of the spindle.

2,150,512
CIGARETTE
Rowland Frank May, Potters Bar, England, assignor to Filter Tips Limited, London, England, a company of Great Britain
Application November 7, 1934, Serial No. 751,949
In Great Britain November 8, 1933
6 Claims. (Cl. 131—52)



1. A method of producing cigarettes having mouthpiece fillings, comprising applying mouthpiece fillers at spaced intervals on a strip of wrapping material, cutting said material into sections of a length greater than that of the filler, wrapping the filler to form a cylindrical mouthpiece having a tubular projecting portion, and securing one end of a length of cigarette rod in said projecting portion.

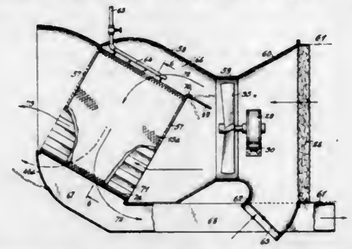
2,150,513
APPARATUS FOR WINDING HAIR
James McAdie, Dublin, Ireland
Application November 4, 1936, Serial No. 109,145
In Great Britain November 6, 1935
10 Claims. (Cl. 132—33)



1. An appliance for winding, tensioning and maintaining a tress of hair on a curler comprising a tube for the reception of a curler and having at an open end a splayed out longitudinal slot, a flat leaf spring positioned outside the tube longitudinally thereof, a narrow curved plate secured to said spring and positioned longitudinally partly within the tube, an annulus slidable on the exterior surface of the tube adapted to exert variable pressure on the leaf spring, a bridge piece on the exterior of the tube carrying a support for a binding material, and a helical guide secured to the tube adjacent to the splayed out slot.

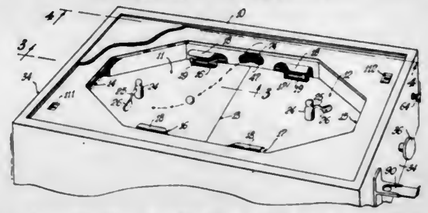
2,150,514
AIR CONDITIONING APPARATUS
Benjamin McInnerney, Omaha, Nebr.
Application November 3, 1937, Serial No. 172,517
10 Claims. (Cl. 62—139)

1. An air conditioning and heat interchange device for cooling a room, comprising in combination, a plurality of tubular heat conducting members having exposed surfaces, means for maintaining a portion of the surfaces moist by applying to them a vaporizable liquid, means comprising a fan for flowing air over the moist surfaces whereby evaporation is effected and heat abstracted from the tubular members, means comprising a conduit for conducting the moistened air to a position outside of the room, means including the fan for flowing air over and in thermal conductive contact with the unmoistened surfaces of the tubular members and into the room whereby the air is cooled for abstracting heat from the air in the room, the wall of the conduit for the moistened air having an opening



in direct communication with the interior of the room for sending air directly from the conduit into the room, and means comprising a movable damper for regulating the effective area of the opening whereby any desired proportion of the moistened air can be directed into the room.

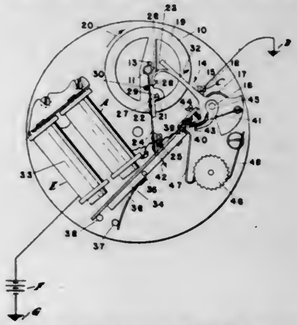
2,150,515
GAME APPARATUS
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,450
11 Claims. (Cl. 273—85)



1. Amusement apparatus including means providing a ball playing court, independently operable ball projectors arranged for competitive projection of a ball back and forth in said court, selectively operable means for delivering a ball into said court and directing said ball toward a selected one of said projectors, means providing a ball exit from said court, and means arranged and constructed to effect guided movement of a ball from said exit back to said selectively operable delivering means.

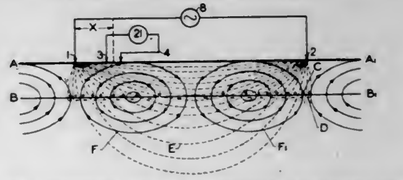
2,150,516
ELECTRIC CLOCK
Carlisle F. Minneker, Detroit, Mich.
Application December 30, 1935, Serial No. 56,802
6 Claims. (Cl. 58—28)

5. In clock mechanism, a balance wheel, an electric circuit including an electromagnet and a switch for controlling the operation of the electromagnet, an armature actuated by the electromagnet and supported for movement from an inoperative position spaced from the electromagnet when the circuit is opened to an operative position adjacent the electromagnet when the circuit is closed, means effective in the inoperative position of the armature to engage the balance wheel and impart a driving impulse to the latter, said last named means including an escapement lever supported for movement relative to said armature and releasable from the balance wheel at the termination of the power impulse stroke, a contact forming one of the cooperating elements of the switch and movable by the escapement lever, a second contact forming the other element of the switch and engaged by the first contact after the escapement lever has completed its power stroke to close the circuit to the electromagnet and thereby effect movement of the armature to its operative position, means



operated by the armature as it is moved toward its operative position to return the escapement lever to its operative position with respect to the balance wheel, means engageable with the escapement lever to latch the same in its operative position, and means for breaking the circuit to the electromagnet upon movement of the escapement lever to its latched position relative to the balance wheel.

2,150,517
ELECTRICAL EXPLORATION METHOD
David Saville Muzzey, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 29, 1938, Serial No. 221,983
4 Claims. (Cl. 175—182)

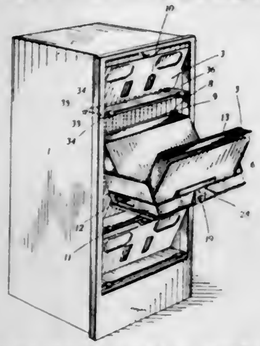


1. In a method for the electrical exploration of ground strata having different electrolytic properties, the steps of passing through the ground an alternating current, allowing said alternating current to be partially rectified at surfaces of discontinuity between said strata, and observing the direct current potential difference generated in the ground by said rectification.

2,150,518
LOOSE-LEAF FILING APPARATUS
Richard Fitz Power, Hampstead, London, England, assignor to Morland & Impey Limited, Birmingham, England
Application November 2, 1936, Serial No. 108,908
In Great Britain November 6, 1935
14 Claims. (Cl. 129—16)

1. A filing cabinet comprising drawers which, when drawn forward from the cabinet to constitute trays, provides in each such tray a rear wall or end plate fixed at an obtuse angle to the floor of the tray on which the sheets are supported so that the tray may be tilted back on the

fixed plate to store sheets in the tray in flat condition, and a front end plate adjustable so as



to be set at an obtuse angle to the floor whereby the required working V may be obtained.

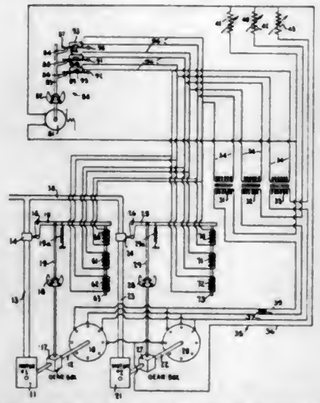
2,150,519
VIBRATING TABLE
Mack Rogers and John Rogers, Oakland, Calif.
Application October 19, 1937, Serial No. 169,864
2 Claims. (Cl. 128—71)



2. In a device of the character described, a table, supporting springs mounted on opposite ends of said table, a table top mounted on said supporting springs, an adjustable head section and an adjustable foot section carried by said top, means for securing the head and ankles to said head and foot sections respectively, fluid pressure means for moving said head section and said foot section away from each other, means for vibrating said table top, comprising a motor driven counterweight cooperatively associated therewith, and vertically adjustable pads carried on said top, said pads having fluid pressure cylinders associated therewith to move the same into engagement with the body of the patient thereon to conform to the general contour of the body.

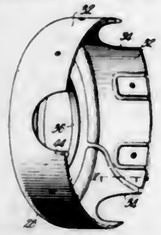
2,150,520
POLYPHASE GENERATOR SPEED REGULATOR
Vernon Roosa, Dobbs Ferry, and Eugene Silber, New York, N. Y.
Application November 29, 1937, Serial No. 177,118
4 Claims. (Cl. 290—4)

1. In a device of the type described for controlling the speed of each of a plurality of electrical current supplying units, each of said units comprising a polyphase alternating current generator and a prime mover connected with and driving said generator, mechanically operated means for regulating the speed of said prime mover, the generator of each of said units being connected to and feeding a polyphase electrical power transmission network, at least some of the phases of said network having loads thereon different in degree and subject to variations substantially unprognosticatable, electrically controlled means associated with and adapted to independently and individually actuate the several mechanically operated means for regulating the speed of the several prime movers, said electrically controlled means being associated with, connected to and forming part of said polyphase electrical power transmission network and being



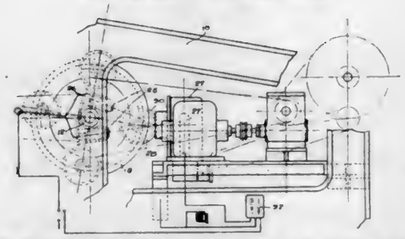
actuated substantially instantaneously by and in a degree proportional to any and all variations in the electrical load on the lines comprising said network, and substantially instantaneously actuable electrically controlled means for preventing said units comprising generator and prime mover from operating at a speed greater than a predetermined value.

2,150,521
DEICING APPARATUS FOR AIRPLANE PROPELLERS
Thomas L. Siebenthaler, Kansas City, Mo., assignor to Thos. L. Siebenthaler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application December 7, 1937, Serial No. 178,568
9 Claims. (Cl. 244—134)



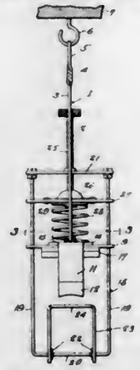
2. In an airplane propeller assembly having a hub and a plurality of propeller blades extending radially from an axis of rotation, the combination of structure for applying ice preventing liquid to the propeller blades, comprising a distributor shell mounted on the hub and forming a liquid reservoir and a plurality of conduits, said reservoir being adapted to receive a supply of liquid as the entire assembly is being rotated, said conduits each being in communication with the reservoir at one end and having the other end adjacent to one of the propeller blades, said distributor shell having an annular side wall projecting through the plane of rotation of the said propeller blades said conduits being formed in part by said side wall.

2,150,522
REGISTRATION OF ARTICLES FOR MULTI-COLOR PRINTING
Frederick Shurley and Queenie Halford Shurley, Windsor, Ontario, Canada, assignors to Ceramic Machinery Distributors Limited, Windsor, Ontario, Canada, a company of Canada
Application March 23, 1937, Serial No. 132,604
In Canada February 8, 1937
18 Claims. (Cl. 101—115)



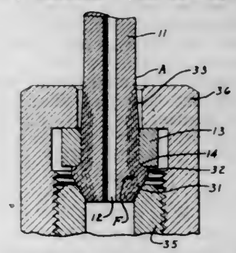
2. In combination, means for printing on an article having an initial imprint previously arranged thereon, a carriage for delivering the article in a predetermined position to the printing means, a photo-electric unit, a source of light focused on the photo-electric unit, the article in the carriage being movable between the photo-electric unit and the light source and adapted to intercept the beam of light, and mechanism controlled by the photo-electric unit for maintaining the article in the carriage in a predetermined position after it passes through the light beam, whereby the printing means will make a subsequent imprint in correct relation to the initial imprint when the article is delivered thereto.

2,150,523
HEEL-CAP PRESS
Charles L. Sien, Anaheim, Calif.
Application September 30, 1938, Serial No. 232,668
3 Claims. (Cl. 12—125)



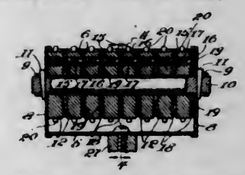
1. A device for holding a cap on the heel of a shoe during the assembling of the cap with the heel, the device comprising a loop-shaped first frame and a loop-shaped second frame arranged in planes approximately at right angles to each other, each frame comprising side arms and upper and lower members connecting the side arms, the lower member of the first frame constituting a cap-engaging part, and being mounted to move on the side arms of the second frame, longitudinally on the side arms of the second frame and transversely thereof, a slide disposed between the lower member of the first frame and the upper member of the second frame and mounted to move on the side arms of the first frame, longitudinally on the side arms of the second frame and transversely of the side arms of the second frame, a compression spring interposed between the lower member of the first frame and the slide, a pressure-exerting device adjustably mounted in the upper member of the second frame and engaged with the slide, and abutment means carried by the lower end of the second frame disposed below the cap-engaging part for cooperation with the inside of the sole of the shoe to the heel of which the cap is to be attached.

2,150,524
FITTING AND METHOD OF MAKING SAME
Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application July 2, 1935, Serial No. 29,528
7 Claims. (Cl. 29—157)



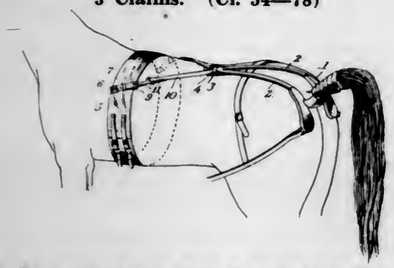
1. As an article of manufacture, a compression fitting comprising a preformed unitary structure formed of integrally united parts which include a soft metal tubular body having an upset head, a thickened inwardly tapered reenforcing wall portion adjacent said head, and a hard metal ferrule press-fitted into a rigid non-threaded substantially permanent molecular union with the head and the thickened wall portion.

2,150,525
SCORING DEVICE
Karl Stutz, Canton, Ohio
Application November 16, 1938, Serial No. 240,863
2 Claims. (Cl. 40—68)



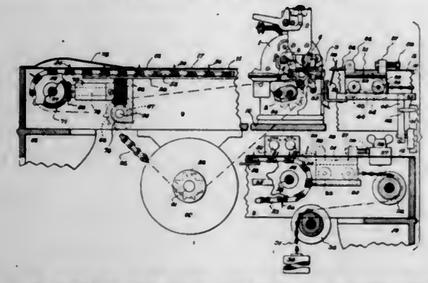
1. A device of the character described, comprising, a cylindrical shaped housing having open ends and fashioned with spaced windows in one side thereof, caps secured to said ends and closing the latter, said caps fashioned with bearings adjacent their centers, a shaft extending through said bearings and fixed to the latter, a plurality of disks rotatably mounted on said shaft within said housing and provided with spaced score indicia on the periphery thereof, spring pressed plungers mounted in said disks and normally extending laterally thereof, and spacers fixed on said shaft and positioned between adjacent disks, said spacers fashioned with seats for receiving said plungers whereby to yieldably maintain said disks in selected positions for presenting desired indicia within said windows.

2,150,526
SUPPORTING AND APPLYING HARNESS FOR CRUPPERS
Stuart B. Swaggerty, Nashville, Tenn.; Emmaline Swaggerty administratrix of said Stuart B. Swaggerty, deceased
Application June 23, 1936, Serial No. 86,875
3 Claims. (Cl. 54—78)



1. In combination with a crupper and a surcingle, a connecting strap slidably connected to the front end of the crupper, plate-like members slidably connected to the surcingle and having the ends of the strap connected thereto, and means for securing the plate-like members in their adjusted positions.

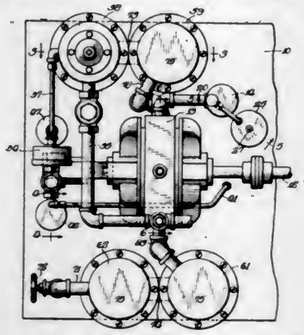
2,150,527
FEEDING MECHANISM FOR SEWING MACHINES
Louis H. Talmadge, Wethersfield, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a corporation of Connecticut
Application January 22, 1938, Serial No. 186,411
21 Claims. (Cl. 112—203)



1. A sewing machine having, in combination, stitch forming mechanism, feed mechanism including a presserfoot and feed dog operable adjacent to the stitching mechanism, a controller adapted to engage the work in advance of the feed and movable with the work as the work is advanced by the feed, means for yieldably resisting said movement of the controller to impose tension upon the work, said means also being effective to move the controller away from the feed when the controller is free of engagement with the work, and means adjacent the feed for causing the controller to release the work.

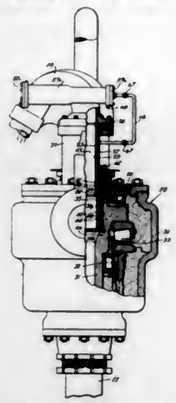
2,150,528
GASIFICATION OF LIQUID FUELS
Eugene J. Ther, Oak Park, and Morris B. Mason, Chicago, Ill.
Application April 25, 1936, Serial No. 76,326
9 Claims. (Cl. 261—9)

1. An apparatus for producing a substantially stable gaseous mixture from a relatively volatile liquid fuel and air comprising a liquid fuel pump, an air pump, means for delivering liquid fuel and air from said pumps to a gasifying chamber, the fuel and air thus delivered forming a gaseous



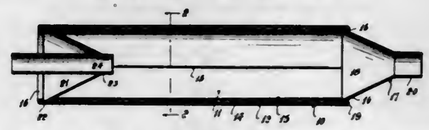
mixture which in its passage through the chamber expands and thereby becomes cooled, and means for utilizing the cooling effect of said mixture to effect a cooling of said air pump.

2,150,529
ROTARY SWIVEL
Guglielmo Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application July 14, 1937, Serial No. 153,545
6 Claims. (Cl. 255—25)



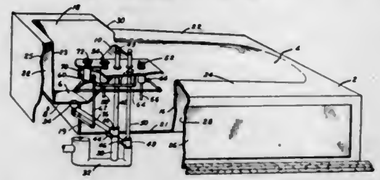
1. In a rotary swivel for use in drilling wells including a body structure, a spindle having a spindle passage therethrough rotatably supported by said body, and a stationary conduit connected to deliver rotary mud to said spindle passage, said conduit and said spindle passage providing a rotary mud passage through which rotary mud is passed under pressure, the combination including: a rotatable wall on said spindle and a non-rotatable wall on said conduit cooperating to form a packing chamber having a closed posterior end and an open anterior end in communication with said rotary mud passage, said walls having side surfaces; packing means in said packing chamber including V-shaped packing elements engageable with the surfaces of said walls and being positioned to permit a flow from posterior to anterior but resist a flow from anterior to posterior in said packing chamber; a source of sealing substance connected to said rotary mud passage and operable to place on sealing substance therein a pressure in excess of the pressure of the rotary mud in said rotary mud passage; and means for delivering sealing substance from said source of sealing substance to the posterior part of said packing chamber in order to cause said sealing substance to flow continuously through said packing chamber from the posterior part to the anterior end thereof around said packing means and against the pressure of said rotary mud at said anterior end of said packing chamber.

2,150,530
MUFFLER
Martin L. Warsing, Altoona, Pa.
Application October 14, 1937, Serial No. 169,025
3 Claims. (Cl. 181—42)



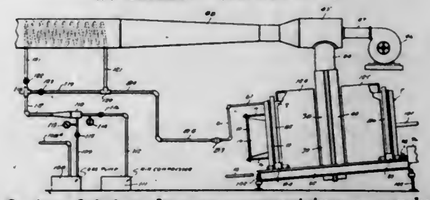
1. A muffler for internal combustion engines comprising inner and outer tubes forming a casing, asbestos mounted between said tubes to form sound insulation, said outer tube being longer than said inner tube and having its ends bent inwardly upon themselves to form inwardly extending flanges, a tapered inlet pipe connecting with the engine and having its larger end bent outwardly upon itself to interlock with one of said flanges, a cone shaped member extending inwardly of said casing and having its large end clamped by the flange at the opposite end of said tube, and an exhaust pipe mounted in the reduced end of said cone shaped member, said cone shaped member restricting the exhaust from said casing to permit the gases to be expanded and cooled before passing out of the casing.

2,150,531
BATHTUB
Oscar G. Watt, Tulsa, Okla.
Application June 4, 1938, Serial No. 211,894
6 Claims. (Cl. 4—4)



1. In combination with a bath tub, a sitz bath rigidly secured within the bath tub, and comprising a partition extending outwardly from a substantial vertical medial point of an inner end wall of the bath tub, said partition having an outer portion extending upward at an angle to the horizontal, a support partition rigidly secured beneath the first mentioned partition, said support partition so positioned with respect to the angular portion to provide a space beneath the first mentioned partition whereby a full length bath tub is provided, a flange extending outwardly from the top of the side wall of the tub, and terminating in a vertical outer wall disposed in spaced relation with the side wall of the tub to provide a compartment, control means for the water supply to the bath tub and sitz bath mounted in the flange, said compartment substantially housing the pipes and fittings for the control means.

2,150,532
CALCINING FURNACE AND HEATING MEANS THEREFOR
Edwin L. Wiegand and Oscar R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand
Application June 11, 1937, Serial No. 147,678
Renewed January 16, 1939
27 Claims. (Cl. 263—34)



6. A calcining furnace comprising a combustion chamber, a refractory retort disposed within said combustion chamber and heated therefrom but being out of communication therewith, means for maintaining the temperature within said retort in excess of 2000° F., means for rotating said retort, and means for delivering material through said retort at a predetermined rate to regulate the temperature of the material being discharged from the retort and means for withdrawing products of combustion from said combustion chamber to regulate pressure conditions therewithin.

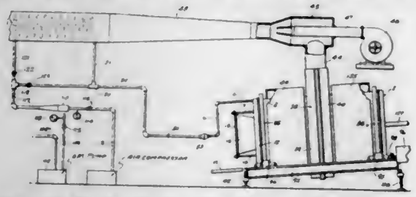
2,150,533
METHOD OF PRODUCING COMBUSTION
Edwin L. Wiegand and Oscar R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand
Application June 11, 1937, Serial No. 147,679
2 Claims. (Cl. 158—117.5)

1. The method of producing combustion which consists in premixing air and fuel gas, the air being delivered at a pressure of about one hundred pounds per square inch, and the gas being delivered at a pressure of about eighty pounds per square inch, delivering such fuel mixture to a burner at a pressure of about ninety pounds per square inch, entraining in said final mixture an approximately equal volume of air and burning the mixture.

2,150,534
METHOD OF HEAT TREATING FLOWABLE MATERIAL
Edwin L. Wiegand and Oscar R. Olson, Pittsburgh, Pa.; said Olson assignor to said Wiegand
Original application June 11, 1937, Serial No. 147,679. Divided and this application April 22, 1938, Serial No. 203,495
2 Claims. (Cl. 263—52)

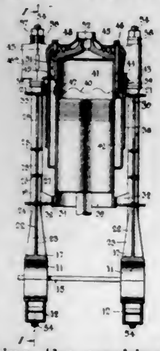
1. The method of heat treating mobile material which consists in agitating the material while passing it through a highly heated and confined atmosphere surrounded by but out of communication with a combustion chamber of relatively

small capacity, projecting into said combustion chamber and burning therein a large volume of a gaseous fuel mixture delivered under high pressure in such a manner as to heat said atmosphere to a temperature in excess of 1800° F. and controlling the pressure within the combustion chamber by varying the rate of withdrawal therefrom



of the products of combustion, and controlling the temperature of the material being discharged from said atmosphere by varying the relationship between the rate of consumption of the fuel mixture, the pressure within the combustion chamber and the rate of delivery of material from said atmosphere.

2,150,535
ENGINE STRUCTURE
Rudolf Wintzer, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 6, 1935, Serial No. 25,350
3 Claims. (Cl. 123—195)



1. In an engine, the combination of a base; a lower bearing member for the shaft of the engine; a framework composed of a series of interconnected plates extending transversely of the structure; a series of columns extending upwardly from the base and interconnected with said plate-like members, the columns terminating at a point above the uppermost plate of the frame; a yoke; a cylinder; means securing the upper end of the cylinder to said yoke; and a series of tension rods extending through said columns, through the lower bearing member and coacting with the yoke to hold the same in position upon the upper ends of the columns, said rods also serving to hold the lower bearing member in position and to place the columns under compression.

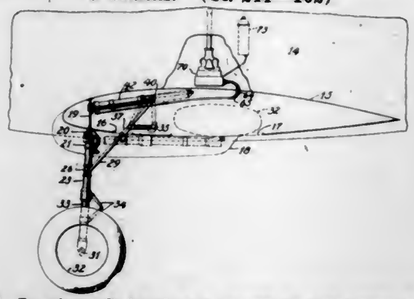
2,150,536
MULTIPLE CATCH
Kurt F. Ziehm, Jr., Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application August 16, 1938, Serial No. 225,187
4 Claims. (Cl. 220—55)

3. In a case, the combination with a body to which is hinged a cover and a lid, of separate catches for releasably securing the cover and lid, each catch comprising a bowed spring, one be-



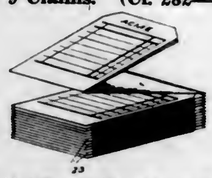
hind the other and arched differently therefrom, and a finger piece extended from each spring for concurrent or selective operation of the two catches.

2,150,537
RETRACTABLE LANDING GEAR
Donovan R. Berlin, Eggertsville, William O. Watson, Kenmore, and Walter Tydon, Buffalo, N. Y., assignors, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application September 11, 1936, Serial No. 100,278
9 Claims. (Cl. 244—102)



1. In aircraft having a recess in the lower surface of a wing thereof, a collar trunnioned toward the leading edge thereof, a landing gear strut journalled in said collar for turning therein and for swinging therewith about said trunnion, into and out of said recess, a second collar embracing said strut with respect to which said strut is swingable, a member pivoted to said second collar for retracting and extending said strut, and means acting between said strut and aircraft for rotating said strut about its own axis during extensive and retractive movements thereof.

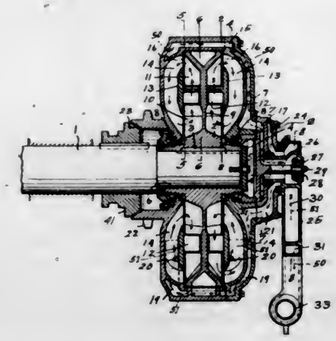
2,150,538
MANIFOLDING
William G. Borchers and Nicholas Cirillo, Hoboken, N. J., assignors to Autographic Register Co., Hoboken, N. J., a corporation of New Jersey
Original application March 2, 1936, Serial No. 66,568. Divided and this application May 18, 1936, Serial No. 80,224
9 Claims. (Cl. 282—12)



1. A manifolding pile comprising a plurality of continuous record strips in superposed relation, all of the strips having weakened tear-off lines at form-length intervals, and having a portion cut out therefrom at a point adjacent the tear-off lines, the cut-out portions being arranged

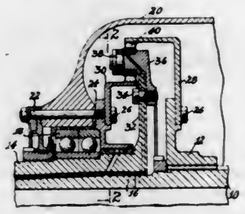
in pairs in the strip and having one edge thereof forming a straight line coincident with the weakened tear-off line with cut-out portions extending wholly within the same form-length, the cut-outs extending into the leading end of the form-length sufficiently to form feed-arresting form-registering apertures adapted to cooperate with the feed mechanism of the machine with which it is to be used.

2,150,539
HYDRAULIC POWER TRANSMITTING APPARATUS
Amon H. Carson and Rexford O. Anderson, Oklahoma City, Okla.
Application September 30, 1935, Serial No. 42,871
12 Claims. (Cl. 60—54)



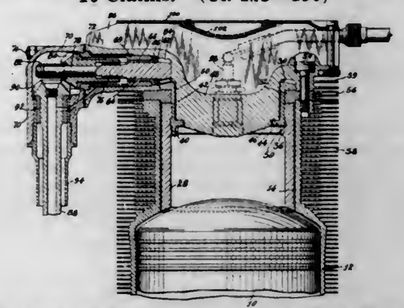
1. A hydraulic power transmitting device comprising a shell for containing a liquid, a rotor mounted for relative rotation with said shell, liquid in the shell, baffle vanes, having inward radially directed impelling surfaces, carried by the shell, impellers having angularly related plane surfaces and carried by the rotor, said impellers and said baffle vanes being arranged to co-act to impel flow of the liquid outwardly and inwardly, respectively, upon the relative rotation of said rotor and shell to transmit energy between them, said device having induction and expulsion passageways for the liquid.

2,150,540
REDUCTION GEAR
Allan Chilton, Glen Rock, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application July 8, 1937, Serial No. 152,493
10 Claims. (Cl. 74—305)



1. The combination with an engine crankshaft and a gear housing each having a similar gear mounting means, of an annular gear and a sun gear adapted to be mounted interchangeably thereon, a propeller shaft, and a planet carrier adapted to be mounted in two different attitudes upon said shaft whereby the parts may be alternately assembled to afford two different gear ratios.

2,150,541
ROTARY VALVE
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application December 30, 1937, Serial No. 182,456
10 Claims. (Cl. 123—190)



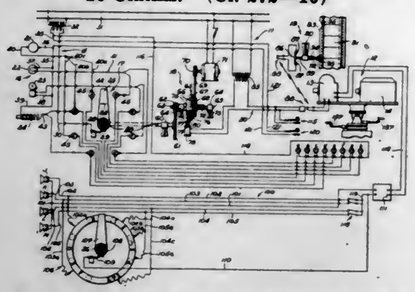
1. In an engine cylinder, a cylindrical extension defining a combustion chamber, a cylinder head, cooling fins extending from said extension and head, a bearing plate clamped between said cylinder and head and having cooling fins extending therefrom and a rotary valve engaged in said extension and bearing against said plate.

2,150,542
FLOODLIGHT SUPPORT
Willis D. Cook, Marysville, Calif.
Application March 30, 1937, Serial No. 133,805
1 Claim. (Cl. 248—214)



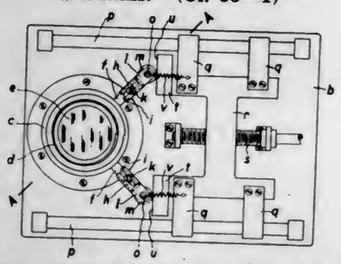
In a flood light support, a post, a ball on said post, a pair of spaced socket members universally mounted on said ball, a clamping member made of a single length of wire and including a coiled loop, said socket member engaging said loop, said clamping member including a pair of spaced arms, each of said arms terminating in a clamping portion, said clamping portion including parallel side portions, a pair of clamping plates, means to mount said plates for movement towards and from each other, said plates having parallel outer sides, said clamping portions engaging said parallel outer sides to urge said clamping plates towards each other, said clamping plates having V-shaped notches therein, said notches being opposed, a round bar fitted in said V-shaped notches, said bar having a hooked portion on one end thereof.

2,150,543
MOVABLE MOTION PICTURE SCREEN AND APPURTENANCES THERETO
Vincent C. de Ybarrondo, Los Angeles, Calif., assignor to Patco, Inc., Los Angeles, Calif., a corporation of California
Application January 21, 1936, Serial No. 60,038
10 Claims. (Cl. 272—10)



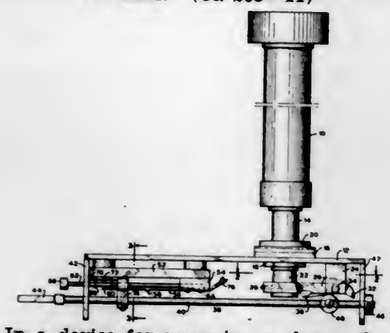
1. In combination with a projector for use with a moving picture film: mechanism supporting said projector for universal pivotal movement; a movable screen; mechanism for moving said screen in synchronism with said moving picture film; and operating means for moving said projector to follow the said movable screen.

2,150,544
DEVICE FOR DEVIATING A PENCIL OF LIGHT RAYS
Otto Eppenstein, Jena, Germany, assignor, by mesne assignments, to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 16, 1938, Serial No. 225,194
In Germany September 9, 1937
2 Claims. (Cl. 88—1)



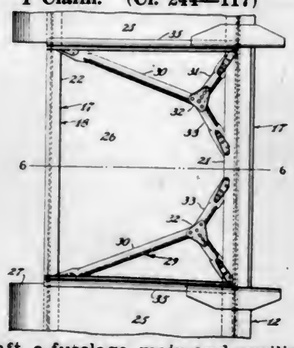
1. A device for deviating a pencil of light rays at a variable angle, this device comprising a housing, two glass wedges mounted in said housing for rotation about a common axis, the refracting edges of said wedges crossing said common axis of rotation, two arms, each of said arms being fast with one of said glass wedges, two rollers, each of said rollers being rotatable about an axis in one of said arms, the axes of rotation of said rollers being parallel to and equidistant from the axis of rotation of said wedges, the two planes containing the axis of rotation of said wedges and the axes of rotation of said rollers including equal and opposite angles with the refracting edges of said wedges, respectively, a pushing body disposed on said housing, and means for displacing said pushing body parallel to a straight line at right angles to the axis of rotation of said wedges and parallel to the plane bisecting the angle included between the planes determined by the axes of rotation of said rollers and the axis of rotation of said wedges, said rollers being in contact with a surface of said pushing body, said surface being plane and at right angles to said straight line.

2,150,545
TESTING DEVICE
George C. Fairbairn, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 30, 1937, Serial No. 151,290
7 Claims. (Cl. 265—11)



1. In a device for removing a closure from a vessel and simultaneously therewith closing an electric circuit, a base secured to said vessel, an arm movably mounted on said base and secured to said closure, a pair of electric contact members mounted on said base, a fixed contact disposed in a position to be engaged by said first mentioned contact members to close said electric circuit, and a plunger slidably mounted on said base and adapted when moved in one direction to strike said arm to remove said closure and simultaneously therewith to move said first mentioned contacts into engagement with said fixed contact.

2,150,546
WING STRUCTURE
Fredric E. Flader, Kenmore, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application October 14, 1936, Serial No. 105,462
1 Claim. (Cl. 244—117)

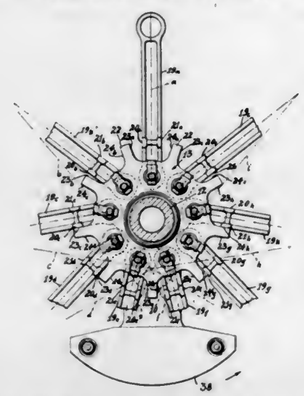


In aircraft, a fuselage, main and auxiliary wing spars in spaced relation extending therethrough, and a skeleton bracing system, between said spars and within said fuselage, said system comprising members extending inwardly from the junctures of the spars and fuselage sides to intersections, and members extending from said intersections to the mid-point, between the fuselage sides, of one of said spars.

2,150,547
DEWAXING MINERAL OIL
Waldersee B. Hendrey and Edwin C. Knowles, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 18, 1935
Serial No. 50,410
4 Claims. (Cl. 196—18)

1. In the dewaxing of viscous wax-bearing mineral lubricating oil having a relatively large content of low and high melting point wax by filtration in the presence of an oil soluble polyvalent metallic soap of an organic acid effective as a wax crystal regulator, the method comprising mixing the oil with a dewaxing solvent, incorporating in the mixture said soap and a small amount of montan wax such that upon heating the mixture to a temperature above 150° F. to condition it, and chilling the heated mixture to 0° F. to precipitate the wax, the crystal structure of the wax precipitating over substantially the entire range of wax crystallization is beneficially modified, heating said mixture to the aforesaid conditioning temperature, chilling the heated mixture to precipitate the wax, and filtering the chilled mixture to remove the wax so precipitated.

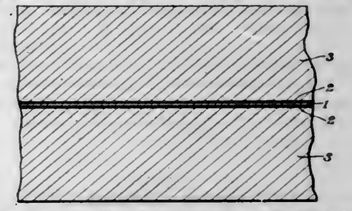
2,150,548
CONNECTING ROD
Henry C. Hill, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application May 27, 1937, Serial No. 144,985
5 Claims. (Cl. 74—580)



1. In a radial cylinder engine having a crankpin, a bearing hub on said crankpin, a plurality of similar connecting rods for the cylinders articulated to said hub, and resilient abutments on said hub engageable sequentially by said rods and having negative clearance relative to those rods with which they engage, the abutments being so closely spaced relative to said rods as to enforce a series of advancing and retreating movements of the hub due to engagement of the rods with said abutments.

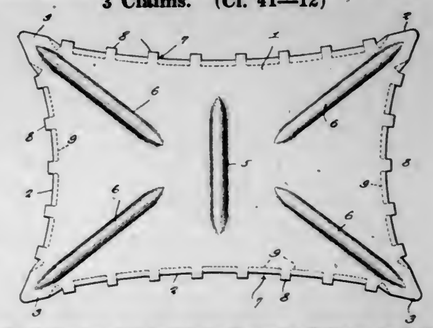
2,150,549
RAZOR BLADE OR OTHER CUTTING EDGE
William J. Hitchcock, Scotia, N. Y.
Application March 23, 1936, Serial No. 70,190
2 Claims. (Cl. 30—350)

1. A cutting member comprising a laminar blade having a sharpened cutting edge formed from the material of the interior of the blade, said blade comprising outer layers of metal and



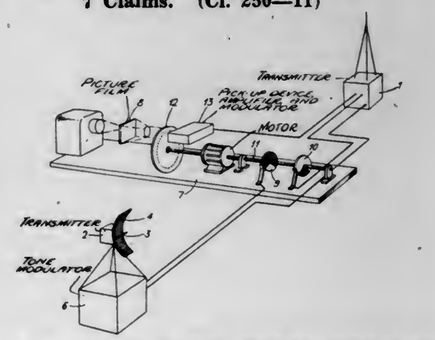
an inner layer of virteous material attached to the said outer layers.

2,150,550
FLORIST'S PACK
Carl R. Keller, Port Clinton, Ohio
Application September 30, 1936, Serial No. 103,461
3 Claims. (Cl. 41—12)



2. A device for holding flowers, foliage and the like, including a base or foundation plate having upwardly directed corner areas, reenforcing corrugations formed in said plate, the sides of said plate being provided with spaced reenforcing notches between said corner areas, and downwardly angled cord engaging fingers on the sides of said plate between said reenforcing notches.

2,150,551
DIRECTION FINDING SYSTEM
Roland John Kemp, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1936, Serial No. 60,014
In Great Britain January 25, 1935
7 Claims. (Cl. 250—11)



1. A navigation aiding wireless installation comprising means for projecting a sharply directional raido beam, means for swinging said

beam up and down so as to vary its angle of inclination with the ground, means for modulating said radiated beam differently for different angles of inclination, and receiving means having an image producing device responsive to the modulations impressed on said beam for displaying an image composed of oblique bands of contrasting shades, said bands being indicative of the slope of the intercepted radio beam.

2,150,552

DEWAXING MINERAL OIL

Edwin C. Knowles, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application November 18, 1935, Serial No. 50,408

9 Claims. (Cl. 196—18)

1. The method of dewaxing wax-bearing mineral lubricating oil having a Saybolt Universal viscosity of up to about 75 seconds at 210° F. which comprises mixing the oil with a dewaxing solvent liquid, incorporating therewith around 0.23% of montan wax by weight of the wax-bearing oil, heating the mixture to a temperature of around 160° F., chilling the heated mixture to a temperature of the order of 0° F. and below to precipitate wax constituents therefrom, removing the wax constituents thus precipitated, and removing the solvent from the dewaxed oil.

8. The method of dewaxing wax-bearing mineral oil which comprises mixing the oil with a solvent liquid, incorporating in the oil in small amount ingredients of crude montan wax having wax crystal modifying properties, heating the mixture containing the montan wax to a temperature of about 160° F., chilling the mixture to precipitate solid hydrocarbons, and filtering the chilled mixture to remove the solid hydrocarbons so precipitated.

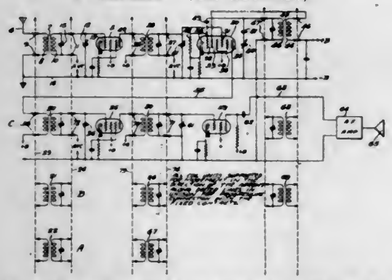
2,150,553

MULTIWAVE BAND SUPERHETERODYNE RECEIVER

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 29, 1936, Serial No. 82,416

7 Claims. (Cl. 250—20)



1. In a superheterodyne receiver having a plurality of tunable high frequency signal selecting circuits, and a plurality of intermediate frequency amplifier circuits, the combination of means for adjusting the tuning of the intermediate frequency amplifier circuits for differing wave band response corresponding to a predetermined wave band adjustment in said tunable signal selecting circuits, said means comprising a plurality of tunable coupling units supported for progressive insertion in the intermediate frequency amplifier circuits and the signal receiving circuits in adjusting the response of the receiving system from a higher frequency band to a lower frequency band.

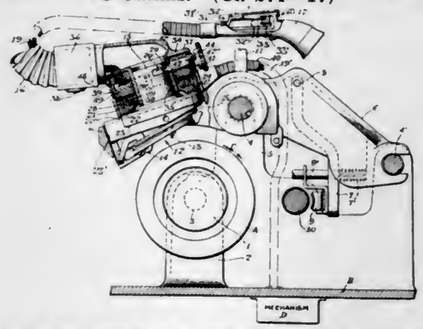
2,150,554

PHONOGRAPH

Sam G. Langley, Maplewood, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 1, 1937, Serial No. 166,768

16 Claims. (Cl. 274—17)



1. In a phonograph comprising an operating mechanism, a sound translating device, a sound transmitting tube, and a control device mounted on said tube for controlling said mechanism: the combination of means for acoustically coupling said tube to said translating device; means comprising two connectable portions for coupling said control device with said operating mechanism; and means, joining said two connectable portions with said tube and translating device respectively, for effecting the coupling of said control device with said operating mechanism as said tube is acoustically coupled to said translating device.

2,150,555

TREATMENT OF MATERIALS CONTAINING TANTALUM AND/OR NIOBIUM

Joseph Pierre Leemans, Hoboken-lez-Anvers, Belgium, assignor to Société Générale Metallurgique de Hoboken, Hoboken-lez-Anvers, Belgium

No Drawing. Application January 27, 1938, Serial No. 187,246. In Great Britain March 19, 1937.

1 Claim. (Cl. 75—135)

A process for the treatment of primary materials containing tantalum and niobium, in which the primary material is subjected to a selective reducing operation by means of an amount of calcium carbide which is insufficient completely to reduce the two elements tantalum and niobium, thus obtaining an alloy in which the ratio niobium/tantalum is higher than that in the primary material, whilst avoiding an excess of carbon.

2,150,556

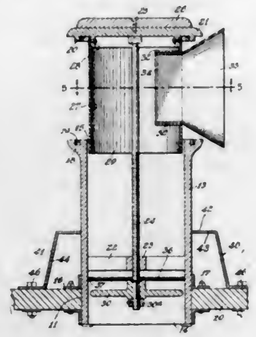
COMBINED SHIP'S BITT AND VENTILATOR

Peter Frederick Leon, Oranjestad, Aruba, Dutch West Indies

Application November 28, 1936, Serial No. 113,181

9 Claims. (Cl. 114—211)

2. A device of the character described comprising a pair of tubular members extending through the deck of a ship and constituting cooperating bitts, rings secured to the opposite faces of said deck in engagement with said tubular members for securing the same in position, and a sheet metal member having openings therein receiving said members and including downwardly directed lateral portions secured to the deck.



2,150,557

METHOD OF PREPARING AMMONIUM SALTS OF SULPHATED PRIMARY ALCOHOLS

Clinton W. MacMullen, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application March 30, 1937, Serial No. 133,827

8 Claims. (Cl. 260—457)

4. The process for the preparation of the ammonium salt of a sulphuric acid ester of an alcohol which comprises heating ammonium bisulphate with a neutral, monohydric, primary alcohol at a temperature of from about 100 to about 150° C. to split out water.

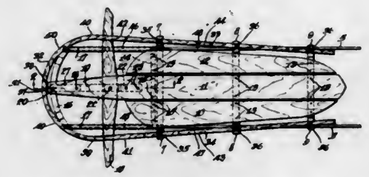
2,150,558

HAND COASTER SLED

Charles Herbert Maneval, Duncannon, Pa., assignor to Standard Novelty Works, Duncannon, Pa., a corporation of Pennsylvania

Application February 5, 1937, Serial No. 124,192

9 Claims. (Cl. 280—22)



1. In a hand sled having a pair of runners, knees, benches and side fenders connected with the front bench, a head iron connecting the runners, top boards attached to rear and intermediate benches but free from attachment to the front bench, a cleat uniting the top boards adjacent the front bench, a steering lever pivotally connected at one end with the top boards and at the other end with the head iron, a steering bar therefor, the steering lever and steering bar being rigidly connected and together forming a steering unit, and a wooden front fender continuous with the side fenders at the sides, whereby the front fender and the front ends of the side fenders along with and by the front bench are shifted as compared with the top boards in the direction of shift of the runners when steering takes place.

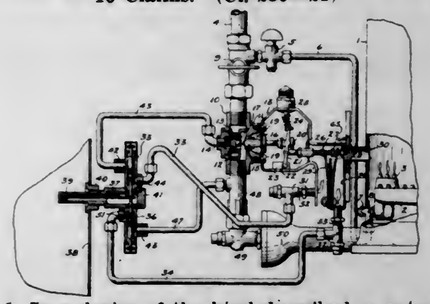
2,150,559

THERMOSTATIC CONTROL DEVICE

Birchard L. Matthews, Cleveland, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio

Application May 29, 1934, Serial No. 728,126

16 Claims. (Cl. 236—21)



1. In a device of the kind described, a cut-off, thermal means for operating the cut-off in one direction, thermal means to operate it in another direction, fuel operated heat means for each thermal means, and a single means for selectively admitting fuel to either of said heat means.

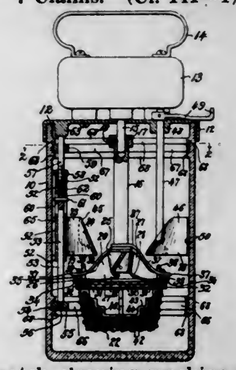
2,150,560

WATCH CLEANING MACHINE

George Ozer, Chester, Pa.

Application December 16, 1936, Serial No. 116,103

7 Claims. (Cl. 141—1)



1. In a watch cleaning machine the combination of a jar for containing liquid, a basket mounted for rotation within the jar, a double edged deflector within the jar and rotatable about a vertical axis with its edge portions extending in opposite directions from said axis, and means for rotating said deflector for moving one edge portion of the latter into and out of contact with the inner surface of the jar and simultaneously moving its other edge portion to and from a position adjacent the basket.

2,150,561

SHANKLESS BIT HOLDER AND CLAMP

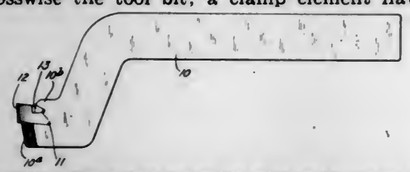
Ernest Reaney, Stratford, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York

Application March 12, 1938, Serial No. 195,472

5 Claims. (Cl. 29—96)

1. A shankless tool bit and holder combining a body member having a bit receiving recess across its forward end, said recess being defined by a

lower flat bit seating surface and a rear abutment wall inclined slightly forward as to overlie a portion of the seating surface, said abutment wall being a plane surface coextensive in width with said seating surface; a shankless tool bit having a lower and a rear surface, complemental to the said surfaces defining the recess, adapted to be fitted in said recess, said bit having an upper clamp engaging surface inclined generally downward in a forward direction and extending crosswise the tool bit; a clamp element having

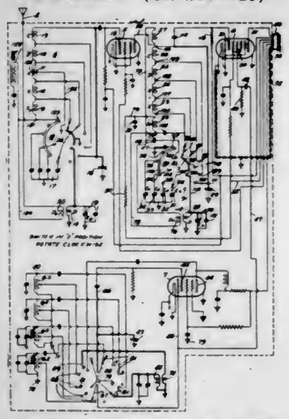


a portion thereof engageable with said upper surface of the bit and an opposite portion engageable with the under surface of an overlying portion of the body member, said upper clamp surface of the bit and said under surface of said overlying portion of the body member being disposed at an angle of not less than 25° converging rearwardly; and means for urging said clamp element rearwardly to effect a clamping of the bit upon said seating surface and simultaneously against said rear abutment wall.

2,150,562
MULTIPLE WAVE BAND RECEIVER

John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1936, Serial No. 118,631
14 Claims. (Cl. 250—40)

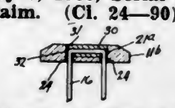


14. In a multiple wave band radio receiving system, the combination with a primary circuit, and a tunable secondary circuit, of a tuning inductance comprising a series of coaxial winding sections connected at one end with said secondary circuit and having one of said sections at the opposite end connected with the primary circuit, means for progressively connecting a plurality of said sections each in parallel with said last named section to receive signal energy therefrom, said means comprising a switch having fixed contacts connected between said winding sections, a contact element movable with respect to and progressively in engagement with said contacts, and a second contact element movable conjointly with the first contact element to progressively ground one of said contacts in advance of said first contact element.

2,150,563
BUTTON

Louis Richmond, New York, and David Eckert, Brooklyn, N. Y.

Application May 7, 1938, Serial No. 206,568
1 Claim. (Cl. 24—90)

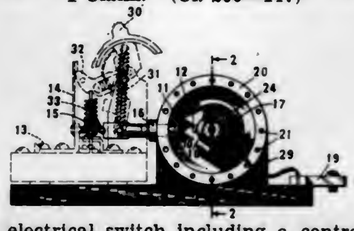


A button comprising an outer disk formed with a socket opening through one face of the disk and being of less depth than the thickness of the disk, and an inner disk fitting snugly into said socket with its outer end face flush with the corresponding end face of the outer disk, the inner disk being formed with a diametrically extending bore having lateral extension at its ends registering with openings extending from the socket to the other face of the outer disk whereby a securing cord may be threaded through the bore of the inner disk and have its end portions passed outwardly of the button through the aforesaid openings.

2,150,564
CIRCUIT BREAKER

Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application September 28, 1935, Serial No. 42,595
1 Claim. (Cl. 200—147)



An electrical switch including a central substantially cylindrical core of non-magnetic and conductive material, two blow-out coils located on either end of said core, washers of magnetic material upon said core and adjacent said coils whereby the space between said coils carries substantially uniform magnetic flux, said core constituting one electrode, another electrode contacting with the periphery of said cylindrical core and means for moving said last mentioned electrode radially away from said core, said coils being in electrical circuit with said electrodes, whereby the uniform magnetic field and the cylindrical configuration of said non-magnetic core cause the arc produced upon separating said electrodes to assume a substantially uniform spiral configuration about said core, and substantially air-tight housing means enclosing said space between said coils, whereby said arc will be more readily extinguished.

2,150,565
PRODUCTION OF DIAZO PRINTS

Maximilian Paul Schmidt and Oskar Süs, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

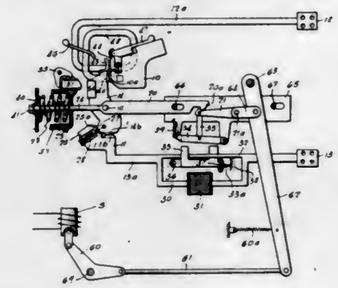
No Drawing. Application March 23, 1937, Serial No. 132,544. In Germany March 24, 1936
20 Claims. (Cl. 95—6)

13. Developer for light-sensitive diazotype material comprising an alkaline substance and a coupling component, which contains an aromatic nucleus carrying a hydroxy group and a methyl group, which latter carries a substituent increasing the water-solubility.

2,150,566
CIRCUIT INTERRUPTER

William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey

Application July 1, 1937, Serial No. 151,359
38 Claims. (Cl. 200—165)

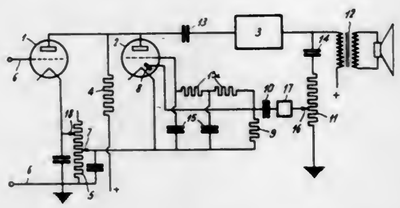


1. A circuit interrupter comprising spaced contact structures, a rigid bridging member therefor, actuating means movable in a single direction for rotating said bridging member about a pivotal axis adjacent one end thereof to bring its opposite end into contact engagement with one of said structures, and for thereafter rotating said member in the opposite direction to move said first-named end of said bridging member to produce a wiping action between it and said other structure.

2,150,567
LOW FREQUENCY AMPLIFIER

Rudolf Friedrich Volz and Abraham Jan Werner de Groot, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application January 4, 1936, Serial No. 57,548
In Germany April 15, 1935
4 Claims. (Cl. 179—171)



4. In an audio frequency amplifier, the combination of an amplifier tube and a control tube, means providing a common anode resistor for said tubes and a common cathode resistor for said tubes, said last named resistor being included in circuit with the grid of the amplifier tube to apply biasing potential thereto, means for adjusting said last named potential, means for deriving an amplified signal from said amplifier including a potentiometer device having a variable output connection, a rectifier device included in said connection, said rectifier having an output resistor, a control grid for said control tube connected with said output resistor, and a time delay filter in said last named connection.

2,150,568
TEXTILE MATERIAL AND METHOD OF MAKING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 12, 1936, Serial No. 84,976
12 Claims. (Cl. 19—66)

1. In a method of forming spun yarn containing comparatively short lengths of fibers of an organic derivative of cellulose, the step of incorporating in such fibers a non-volatile emulsion of an electrolyte in water an unsulphonated oil and a sulphonated fatty alcohol compound.

2,150,569
TEXTILE MATERIALS AND THEIR PREPARATION

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 23, 1936, Serial No. 86,825
11 Claims. (Cl. 19—66)

1. In a method of forming spun yarns containing short lengths of fibers of an organic derivative of cellulose, the steps of incorporating therewith before the drafting operation a mixture of an organic electrolyte comprising a fatty acid soap of an amine, a lubricant and a sulphonated fatty alcohol compound and then spinning the treated fibers into a yarn.

2,150,570
TEXTILE MATERIALS AND METHOD OF PREPARING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 25, 1936, Serial No. 87,259
2 Claims. (Cl. 28—1)

1. In a process for the manufacture of yarns, filaments and like materials containing an organic derivative of cellulose, the steps of applying to the materials a lubricant dressing comprising from 5 to 30 parts of a sulphonated fatty alcohol compound and from 95 to 70 parts of an oil and, at a subsequent operation, applying a conditioning dressing comprising 60 to 90 parts of a formal and from 10 to 40 parts of an oil so as to form a uniform coating over the lubricated materials.

2,150,571
TEXTILE MATERIALS AND METHOD OF PREPARING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

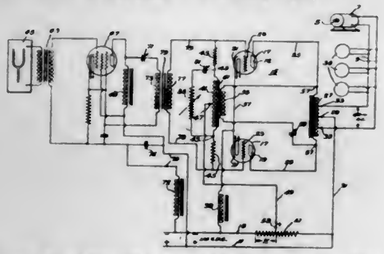
No Drawing. Application June 30, 1936, Serial No. 88,091
20 Claims. (Cl. 28—1)

1. In a process for the manufacture of yarn, filaments and like materials containing organic derivatives of cellulose the step of applying to the material a lubricant dressing comprising a sulphonated naphthene and an oil.

2,150,572
SYNCHRONOUS MOTOR SPEED CONTROL MEANS

Charles J. Young, Haverford, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 28, 1935, Serial No. 42,628, now Patent No. 2,113,165, dated April 5, 1938. Divided and this application November 28, 1936, Serial No. 113,113
4 Claims. (Cl. 250—36)

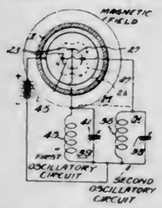


2. In a power supply system of the oscillator-inverter type, the combination of a pair of electric discharge devices each having a grid electrode, a cathode and an anode electrode, means for applying alternating current potential between said grid electrodes at substantially a fixed frequency, said means including a circuit tuned to said last named frequency, means providing an oscillatory circuit for said devices connected with said grid electrodes to provide a balanced or push-pull tuned circuit therebetween, an impedance device connected between each of said grid electrodes and said tuned circuit, whereby said tuned circuit is isolated thereby from said alternating current potential applying means, a balanced or push pull output circuit for said electric discharge devices connected between said anode electrodes, means providing a low impedance feedback coupling between said output circuit and said tuned circuit, and means for applying a positive potential to said grid electrodes with respect to said cathodes.

2,150,573
ELECTRIC DISCHARGE DEVICE

Vladimir K. Zworykin, Philadelphia, Pa., and Louis Malter, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 31, 1936, Serial No. 61,680
10 Claims. (Cl. 250—36)

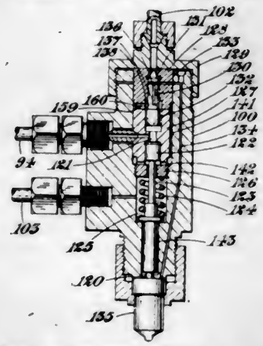


1. In an electronic oscillator-multiplier, at least four electrodes having electron emissive surfaces, said emissive surfaces being the principal source of electron emission for said oscillator-multiplier, an accelerating anode, means for supporting said electrodes in substantially uniform relation with respect to said accelerating anode, means electrically connecting alternately disposed electrodes, an oscillatory circuit, means whereby one terminal of the oscillatory circuit is connected to one group of interconnected electrodes and the other terminal connected to the remaining group of interconnected electrodes, a source of polarizing potential effectively connected between said oscillatory circuit and said accelerating anode, and a magnetic field whose lines of force surround said electrodes and are substantially parallel to said accelerating anode.

2,150,574
FUEL-INJECTION CONTROL DEVICE

George Amery, London, England

Application August 15, 1938, Serial No. 225,024
In Great Britain August 25, 1937
8 Claims. (Cl. 299—107.5)

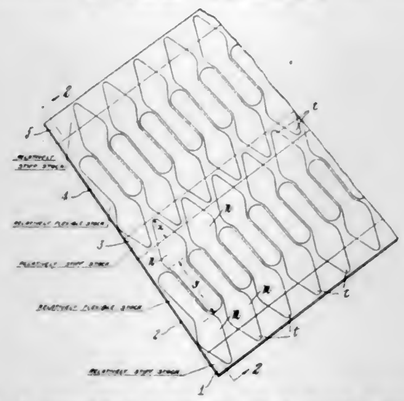


2. A fuel-injector comprising in combination a nozzle, a fuel passage thereto, a nozzle-valve for closing said nozzle but capable of being opened by fuel pressure, a valve-closing piston, means for admitting fluid under pressure to said valve-closing piston and an auxiliary cut-off valve operated by the same pressure as the valve-closing piston for cutting off the said fuel passage from the fuel pressure.

2,150,575
METHOD OF MAKING INSOLES AND SHEETS THEREFOR

Fred L. Ayers, Watertown, Mass., assignor to Brown Company, Berlin, N. H., a corporation of Maine

Application December 11, 1937, Serial No. 179,276
3 Claims. (Cl. 12—146)

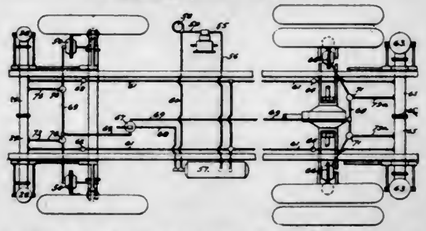


1. A composite sheet of insole stock adapted to yield upon cutting at least four rows of insoles transversely thereof, said sheet comprising stiff longitudinal areas each of a width to accommodate the toe portion of an insole and alternating with relatively flexible longitudinal areas each of a width to accommodate all but the toe portions of adjacent insoles pointed in opposite directions with the shank and heel portions of one insole fitting the space between the shank and heel portions of adjacent insoles, said relatively stiff areas constituting the margins of said sheet and said sheet comprising at least two of said relatively flexible areas and an intervening relatively stiff area for accommodating the toe portions of adjacent rows of insoles.

2,150,576
SUSPENSION OF AUTOMOBILES AND LIKE VEHICLES

George William Bell, Detroit, Mich.

Application April 20, 1936, Serial No. 75,389
16 Claims. (Cl. 280—124)

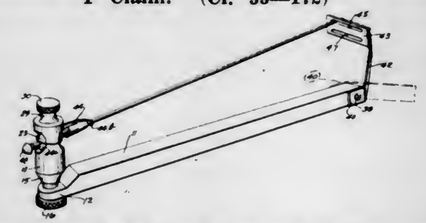


1. In a suspension system for vehicles, in combination, a supporting axle attached to the frame or body of the vehicle, a stub axle disposed at the outer end of the supporting axle, a wheel rotatably mounted on the stub axle, means associated respectively with the stub axle and wheel assembly, and with the supporting axle, in cooperative engagement therebetween, adapted to guide the wheel assembly in the vertical and horizontal planes, spring means on the vehicle, comprising, a cylinder and cooperating plunger device forming a chamber containing fluid under pressure, elastic means in yielding engagement with the plunger to support the vehicle and load thereon, means on the vehicle in cooperative engagement respectively with the plunger and wheel assembly, to transmit the vertical displacements of the latter to the elastic means, and means for regulating the pressure of fluid in the said chamber so that the pressure of the fluid therein is always proportional to any given load on the vehicle.

2,150,577
CENTER FINDER AND INDICATOR FOR LATHES AND THE LIKE

Louis J. Bernhardt, Cleveland, Ohio

Application January 20, 1938, Serial No. 185,902
1 Claim. (Cl. 33—172)

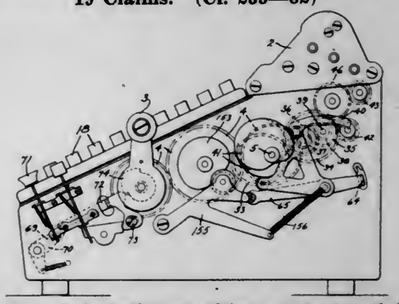


A center finder for lathes and the like, comprising a supporting arm, a hollow cylindrical body mounted thereon and having opposite side openings, a ball and socket mounting in the body, the supporting socket comprising two opposed socket members in the body, one of which is threaded into the body, a spring in the body, supporting the other socket member therein, and a centering rod extending through said ball and openings at a right angle to the axis of the opposed socket members.

2,150,578
CALCULATING MACHINE

George C. Chase, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application November 27, 1935, Serial No. 51,810
19 Claims. (Cl. 235—82)

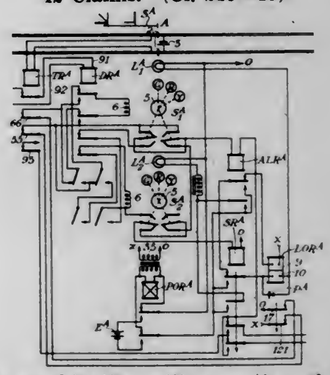


1. In a calculating machine, an accumulating register, digit entering mechanism comprising a drive element, a second drive element adapted to transmit a different rotary movement from that transmitted by the first named element, orbital gear compound differential actuators each including gear elements forming each a leg of the differential normally disengaged from and individually engageable with one or alternatively with the other drive element and having direct gear connection with the accumulating register, and devices selectively settable to effect simultaneous engagement of a plurality of gear elements related to a single actuator.

2,150,579
RAILWAY SIGNALING SYSTEM

Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

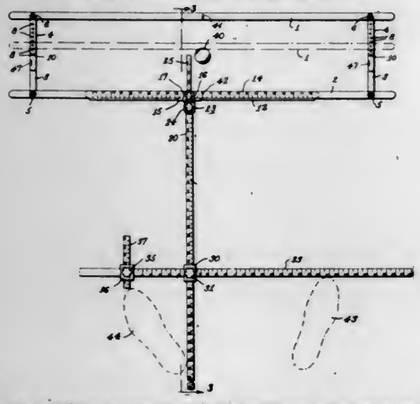
Application June 10, 1936, Serial No. 84,498
Renewed June 24, 1938
42 Claims. (Cl. 246—46)



33. In combination with a section of railway track, a signal for said section including a lamp

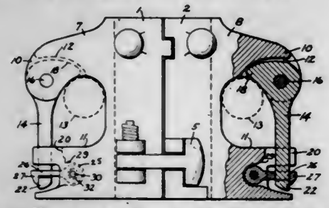
which becomes lighted to cause the signal to display an indication, a lightout relay for said signal, means for conditioning said signal to display a proceed indication when and only when said section is unoccupied and said lightout relay is energized, and means for energizing said lightout relay at all times when the filament of said lamp is intact.

2,150,580
GOLF TEACHING AND PRACTICING DEVICE
Robert Crowley, North Quincy, Mass.
Application March 12, 1938, Serial No. 195,499
3 Claims. (Cl. 273—35)



1. A golf-training and practicing apparatus of the kind described, comprising parallel guide rods adapted to be flat on the ground and spaced to receive a golf ball therebetween and to direct the path of a freely swinging club head, above said rods in combination with a gauge positioned perpendicularly to said rods and having a slidable connection with one of said rods, a cross-member adjustable lengthwise of said gauge and cross-wise thereof to predetermine the stance of the player relatively with the parallel rods and the position of the ball to be struck.

2,150,581
ELEVATOR LINK RETAINER
Harry V. De Coursey, Houma, La., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application August 10, 1936, Serial No. 95,186
6 Claims. (Cl. 294—90)



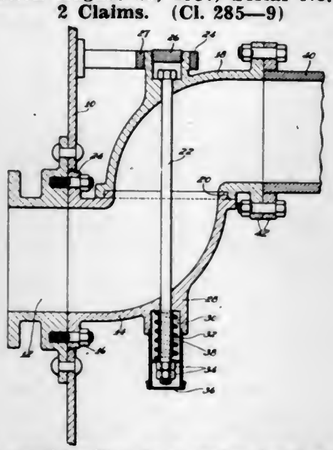
1. A well casing elevator with a pair of oppositely disposed, laterally extending, bifurcated supporting ears each comprising an upper fork and a lower fork, a recess in the under side of said upper fork, a link retaining arm pivotally attached at its upper end to said upper fork adjacent the outer end thereof and adapted to extend across the opening between said forks, a finger integral with said retaining arm at the pivoted end thereof projecting inwardly toward the vertical axis of the elevator and adapted to lie in said recess when said arm is in the closed position so that its under edge is substantially flush with the link-engaging portion of said upper fork, and spring-pressed latch means for automatically securing the free end of said arm to the lower fork when the arm is closed, said latch means being accessible from the outer side of said arm when the latter is in closed position.

2,150,582
CASKET BIER
William E. Klever, Washington Court House, Ohio
Application December 10, 1936, Serial No. 115,193
7 Claims. (Cl. 248—167)



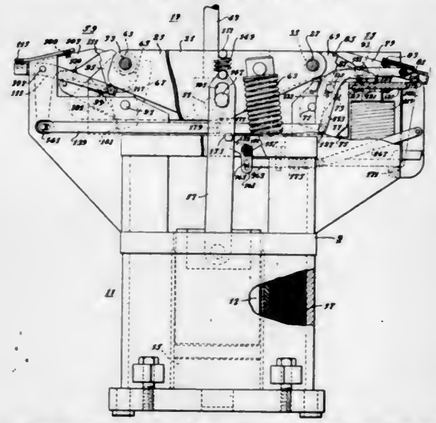
7. In a casket bier having a main frame, a bracket secured to a vertical portion of said frame, said bracket having a vertically extending socket positioned on either side of the vertical longitudinal center of said frame, a supplemental frame journaled in each of said sockets, said last-mentioned frames being provided adjacent said bracket with circumferentially spaced depressions, and means carried by said brackets for movement in a plane at right angles to the axis of said sockets to engage the depressions in said frames to resist pivotal movement thereof in said sockets.

2,150,583
SWING JOINT
Frank V. Long, Los Angeles, Calif.
Application August 28, 1937, Serial No. 161,382
2 Claims. (Cl. 285—9)



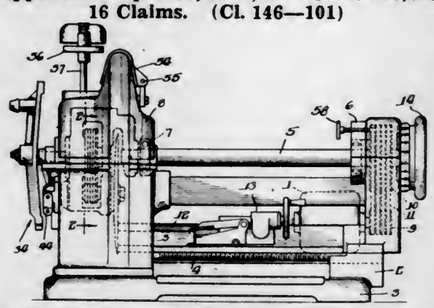
1. In combination in a swing joint, a pair of tubular members constructed and arranged to have relative rotary motion with each other and including male and female sealing portions, means holding the members together for such rotary movement, resilient means incorporated in the holding means for maintaining the members against each other with a desired force, and means associated with the holding means and other than the resilient means for preventing movement of the male and female sealing portions of the members completely apart upon failure of the resilient means to perform its function.

2,150,584
CIRCUIT BREAKER
John B. MacNeill, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1938, Serial No. 209,970
23 Claims. (Cl. 200—98)



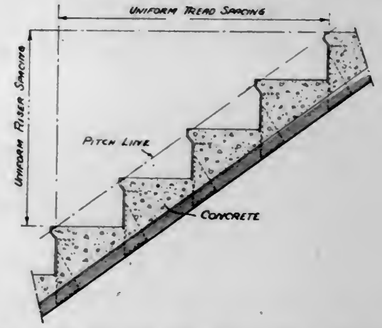
1. In a circuit breaker, closing means for said breaker, tripping means for effecting opening of said breaker independently of the condition of said closing means, additional tripping means for effecting opening of said breaker only under certain conditions of said closing means, a single trip coil operable in response to predetermined conditions to operate either of said tripping means and means responsive to the condition of said closing means for selecting which of said tripping means shall be operated by said trip coil.

2,150,585
KNIFE SHARPENING CRANK
William Mahler, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application April 16, 1937, Serial No. 137,216
16 Claims. (Cl. 146—101)



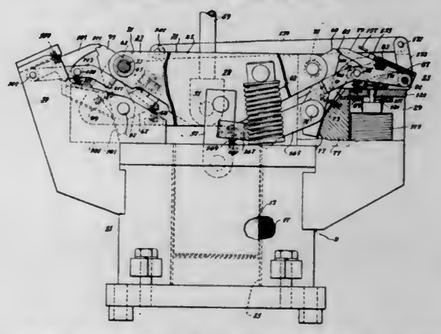
1. In a substance slicing machine having a rotary knife and a supporting member for said knife rotatable about an axis eccentric to the axis of said knife wherein a portion only of the circumference of said knife is active in slicing the substance, the combination of a shaft upon which said support is journaled, means for normally locking said shaft against rotation, said means comprising a fixed locking member and a manually operable member secured to said shaft and having a plurality of angularly spaced locking members, said manually operable member being operable to rotate said shaft relative to said supporting member and said angularly spaced locking members being selectively engageable with said fixed locking member to vary the active portion of said knife.

2,150,586
CONCRETE STAIR
Walter James McAver, Chicago, Ill.
Application February 4, 1938, Serial No. 188,711
5 Claims. (Cl. 72—96)



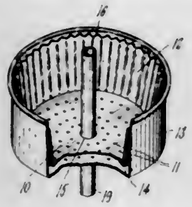
1. In a fireproof stairway using temporary forms that shape and support a reinforced concrete aggregate, the combination of a metallic skeleton framework providing armored protection at each riser, the framework consisting of side framing bars with angle bracket riser supports fastened to said framing bars, bent plate riser forms with connections provided at each end securing riser to said supporting arms and strap anchors fastened to the riser forms at the rear.

2,150,587
CIRCUIT BREAKER
Alfred J. A. Peterson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 27, 1938, Serial No. 210,309
19 Claims. (Cl. 200—98)



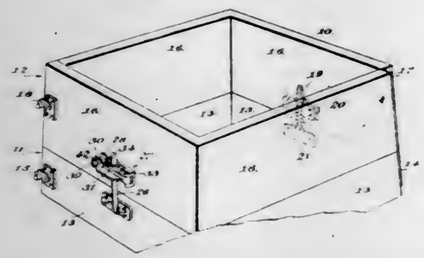
1. In combination, a circuit breaker, electromagnetic closing means for said breaker, tripping means for effecting opening of said breaker independently of the energized condition of said closing means, additional tripping means for effecting opening of said breaker only when said closing means is deenergized, and means responsive directly to the magnetic flux of said closing means for automatically selecting which of said tripping means shall be effective to trip said breaker.

2,150,588
LINER FOR COFFEE-GROUNDS HOLDERS OF COFFEE MAKERS
Ralph T. Pitt, Quincy, Mass., assignor to General Paper Products Corp., Boston, Mass., a corporation of Massachusetts
Application March 13, 1935, Serial No. 10,822
1 Claim. (Cl. 53—3)



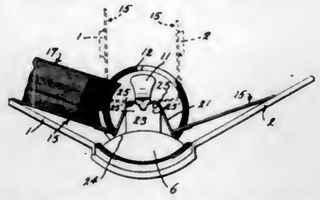
The combination with a substantially cylindrical, perforated, coffee-grounds holder of a coffee-maker of a one-piece, substantially cylindrical, vegetable parchment paper liner overlying the walls and bottom of said holder, the bottom of said liner containing fine openings punched therethrough through which coffee extract may freely pass, the side walls of said liner being substantially imperforate but being corrugated to be largely out of contact with the side walls of said holder and thus to facilitate removal of said liner while wet with its charge of extracted coffee-grounds in intact condition from said holder.

2,150,589
FLASK
Alois J. Rellinger, Toledo, Ohio
Application April 19, 1938, Serial No. 202,871
6 Claims. (Cl. 22—110)



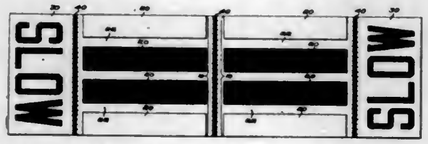
1. In a flask comprising a cope, a drag positioned for cooperation therewith, the cope and drag each comprising pairs of walls hinged together at a common point and means releasably connecting the walls at a point opposite the hinge, guide means for aligning the cope and drag including a guide pin and cooperating guide rigidly attached to the drag and cope respectively in proximity to the hinge and a guide pin fixed to and extending upwardly from that wall of the drag opposite the other guide pin, the improvement which comprises a guide for receiving the last named guide pin consisting of a base plate attached to the cope, an arm movably attached to the base plate and having a vertical guideway to receive said last named pin, spring means normally urging the arm away from the base plate and manually operable means for adjusting the position of said arm inwardly towards the base plate.

2,150,590
LOOSE-LEAF RING BINDER
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application February 9, 1938, Serial No. 189,552
5 Claims. (Cl. 129—4)



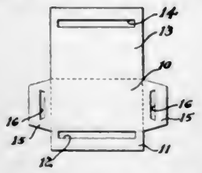
2. A ring binder including a support for the inner edge of a flyleaf threaded on the rings, said support having an arched form with a center at one side and close to the axis of the rings, a stiff flyleaf having a flange at its inner edge extending to and curved over said arch-formed support for sliding engagement therewith.

2,150,591
HOSE BRIDGE AND CURB JUMPER
Edward W. Taylor, Lexington, Mass.
Application January 30, 1937, Serial No. 123,206
13 Claims. (Cl. 104—275)



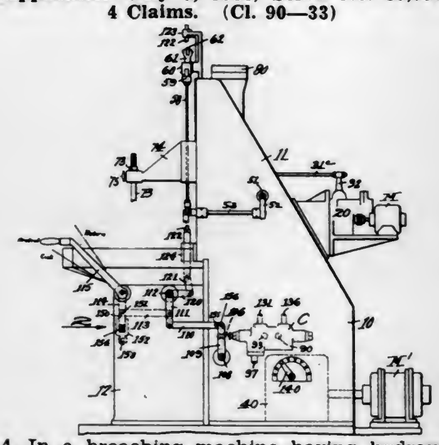
1. A hose bridge and curb jumper comprising, in combination, two ramps having downwardly and oppositely sloping top surfaces, said ramps having opposed, spaced ends, and means including sheet material beneath, secured to, and connecting said ramps, and extending in opposite directions beyond their remote ends.

2,150,592
PROTECTED BLADE AND PACKET
Charles J. Tuttle, Newton Center, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 7, 1936. Serial No. 104,457
2 Claims. (Cl. 206—46)



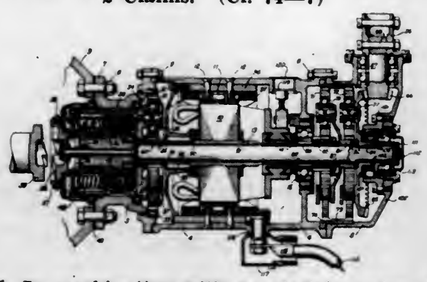
1. A packet of protected blades, each enclosed in a wrapper which is connected to the blade in such a manner as to prevent transverse displacement of the blade therein, the wrapper having side flaps, one being folded on a vertex line outside one edge of the blade and both extending at their free edges beyond the other edge of the blade, presenting a two-ply extension in the wrapper and being recessed in superposed areas, the wrappers being fastened in a stack outside the recesses in said superposed areas.

2,150,593
VERTICAL TAPERED SPLINE BROACHING MACHINE
Donald H. West, Bolton, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application July 9, 1936, Serial No. 89,730
4 Claims. (Cl. 90—33)



4. In a broaching machine having hydraulic broach-operating mechanism, in combination, a control valve for said mechanism, a valve actuating member, automatic means to move said actuating member to shift said control valve to a reverse operating position at each end of the broach travel, spring toggle means to complete the movement of said actuating member in each direction, and a lost motion connection between said member and valve so constructed and arranged that said spring toggle means is given a lead on said valve when operated in either direction, whereby said valve remains in each operative position until said spring toggle means has been automatically shifted across dead center relative thereto.

2,150,594
ENGINE STARTING APPARATUS
Joseph W. Allen, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 18, 1935, Serial No. 27,270
2 Claims. (Cl. 74—7)

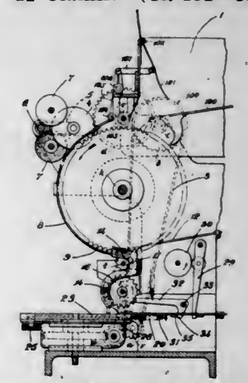


1. In combination with an electric motor and an engine cranking shaft extending therethrough, means including reduction gearing of the planetary type for drivably connecting said motor and shaft, said gearing including a planet carrier having a hub portion splined to said shaft, and means mounted directly upon said carrier hub for locking said carrier and motor against reverse rotation in the event of "backfire" of the engine during the cranking operation.

2,150,595
PROCESS OF PREPARING ALPHA ARYL PHTHALIDES
Paul R. Austin, Wilmington, and Paul L. Salzberg, Carrcroft, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1934, Serial No. 756,074
14 Claims. (Cl. 260—344)

8. Process for the preparation of alpha-arylphthalides, which comprises reacting alpha-monochlorophthalide with an aromatic compound containing a replaceable hydrogen in the nucleus and containing no meta orienting group.

2,150,596
MANUFACTURE OF CIGARETTES
Arthur Bingham, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application August 24, 1936, Serial No. 97,707
In Great Britain October 4, 1935
11 Claims. (Cl. 131—39)



7. In a machine for manufacturing mouthpiece cigarettes, a conveyor to move a plurality of substantially axially aligned stubs in a direction transverse to their longitudinal axes, means to effect spacing of the stubs in the direction of their longitudinal axes in a plurality of stages, and means operative between successive stages to move the stubs in the direction of their longitudinal axes and toward the central point of their combined over-all length, said first named means comprising elements to engage an end face of a stub and move the stub in the direction of its longitudinal axis.

2,150,597
VISIBILITY INDICATOR
Ralph J. Blume, Fort Wayne, Ind.
Application May 15, 1937, Serial No. 142,756
2 Claims. (Cl. 88—23)



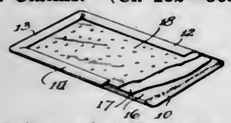
1. An illumination gauge of the character described for individual use, comprising a surface having a plurality of lines of printed matter provided thereon, the size of the printed matter in

each line being different from the size of the printed matter in the other lines, a light absorbing medium disposed over said printed matter and through which said printed matter may be viewed, and a casing closed at one end and open at the upper end, within which said surface bearing the printed matter and the medium may be disposed with the medium being arranged in superimposed position over said printed matter.

2,150,598
PERMANENT WAVING PAD AND METHOD OF MAKING SAME

Harry Bonat, New York, N. Y.

Application July 28, 1938, Serial No. 221,687
14 Claims. (Cl. 132—36.2)

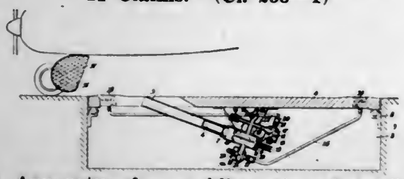


1. A hair waving pad of the character described, comprising a metallic tray, chemical means disposed within said tray, a porous absorbent sheet disposed in said tray and covering said chemical means, and means formed integral with said tray adapted for securing said sheet and chemical means within the tray.

2,150,599
MEANS ADAPTED TO ENABLE AIRCRAFT TO PICK UP WHILE IN FLIGHT ARTICLES OR PERSONS

Douglas Craig Croom-Johnson, Upper Warlingham, England

Application September 10, 1935, Serial No. 39,976
In Great Britain September 13, 1934
11 Claims. (Cl. 258—1)



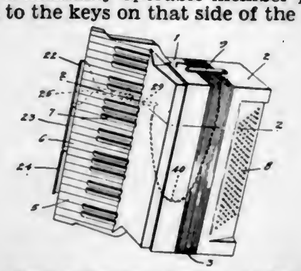
1. Apparatus for enabling aircraft while in motion to pick up articles, comprising in combination, means adapted to propel an article into engagement with receiving means associated with the aircraft, means actuated by the passage of the aircraft in accordance with the speed thereof, means controlled by said last named means for varying the speed of propulsion of the article and means for predetermining the action of said speed varying means whereby the article will be propelled at a speed in excess of the speed of the aircraft.

2,150,600
CONTROL FOR ACCORDIONS

Robert Laidlaw Fairbairn, Winnipeg, Manitoba, Canada

Application April 11, 1938, Serial No. 201,392
6 Claims. (Cl. 84—376)

1. In an accordion having a series of reed blocks carried by the respective heads of said accordion and each of said reed blocks having a plurality of reeds operated through valves by keys located on said heads, a flat member slidably operating through one of said reed blocks and having spaced holes therethrough adapted to register with or move out of engagement with air passages to the reeds in the last mentioned reed block, a flexible tubular cable having the ends thereof attached to opposite heads of said accordion and the central portion freely swinging down in a loop between said heads and transversely crossing the pleats of a flexible bellows connecting both heads, a control wire passing through said flexible cable, having one end fastened to a manually operable member positioned adjacent to the keys on that side of the accordion



and the other end fastened to said flat member, said manually operable member adapted to end shift said control wire when operated, guard frames carried by said heads, interior of said bellows, and in a location to contact the swinging cable when the accordion is open or shut to prevent said cable from contacting the reeds of said accordion.

2,150,601
LONG CHAIN ALKYL QUATERNARY AMMONIUM FLUOSILICATES

Robert B. Flint, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

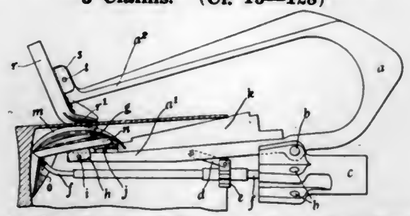
No Drawing. Application March 19, 1937, Serial No. 131,935
14 Claims. (Cl. 260—583)

1. A quaternary ammonium fluosilicate containing, on the nitrogen, an alkyl radical of at least eight carbon atoms the remaining radicals on the nitrogen being hydrocarbon radicals.

2,150,602
MEANS FOR WASHING OR CLEANING TUMBLERS AND LIKE ARTICLES

Alfred Griffiths, Liverpool, England

Application October 30, 1937, Serial No. 172,012
In Great Britain November 2, 1936
3 Claims. (Cl. 15—128)



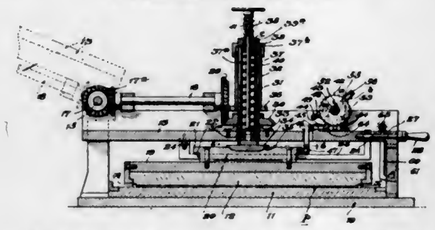
1. A cleaning head for a machine for cleaning glasses and other hollow ware, comprising a rotary spindle, a plurality of U-shaped members lying in planes radial of said spindle and having their inner arms pivoted to said spindle for movement of said members in said planes, a hollow stem forming a water conduit extending axially from said spindle and movable axially relatively thereto, a plurality of links, each pivotally connected to the inner arm of one U-shaped member and to said stem, a squeegee pivotally mounted upon the inner arm of each U-shaped member upon the radially outer side thereof for movement in the plane of the member, a resilient abutment disposed between said squeegee and said

inner arm to the side of the pivotal connection between them towards the closed end of the U-shaped member, and a squeegee mounted upon the radially inner side of the outer arm of each U-shaped member.

2,150,603
APPARATUS OF MULLING PIGMENT

Charles E. Hoover, Jr., Maplewood, N. J.

Application December 3, 1937, Serial No. 178,009
9 Claims. (Cl. 73—51)

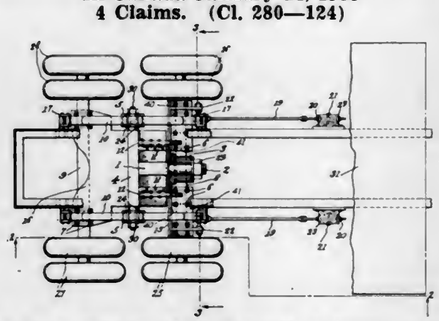


1. A laboratory mulling device for testing or matching samples of pigment for color or shades of color, comprising two mulling members having opposed flat and smooth mulling surfaces, each surface being continuous and unbroken within its perimeter, means mounting said members for relative movement to and from each other for moving them into cooperative relation and for separating said members to completely expose the mulling surfaces of said members to permit access to said surfaces for the purpose of placing thereon and the removal therefrom of said sample, means mounting said members for relative mulling movement, means for producing said relative movement of said members at a constant predetermined speed, and means for applying a selectable constant pressure on said members during said relative movement of said members whereby the sample therebetween may be subjected to a desired pressure.

2,150,604
TANDEM AXLE HOOK-UP

Wilbert John Hyatt, London, Ontario, Canada

Application February 5, 1938, Serial No. 188,857
In Canada January 14, 1938
4 Claims. (Cl. 280—124)

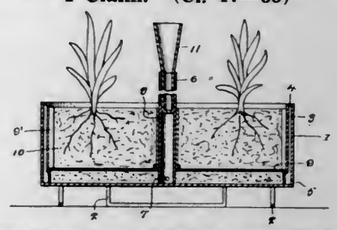


1. In a vehicle, tandem axles, a frame rigidly secured to one axle and having its free end portion extending into proximity to the second axle, a pivotal connection between the central free end of the frame and said second axle, the axis of the pivotal connection extending at substantially right angles to the axes of said axles, a chassis, and spring supporting means for the chassis pivotally connected to said frame at the intermediate portion thereof.

2,150,605
FLOWER PAN

Herbert T. Lester, Marine City, Mich.

Application May 28, 1937, Serial No. 145,327
1 Claim. (Cl. 47—38)

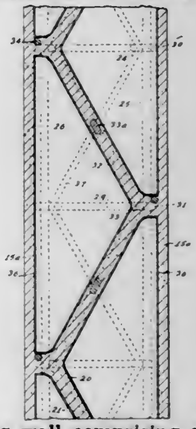


A flower pan comprising a receptacle including a bottom and vertical walls integral with the bottom wall and one of said vertical walls having a drain opening adjacent the bottom wall, a tube rising vertically from the bottom wall and terminating in a plane above the upper edges of the vertical walls to receive water and to act as a holder for a floral display, said tube having openings adjacent the bottom wall, inner vertical walls integral with the upper edges of the first-named vertical walls and spaced therefrom and terminating in spaced relation to the bottom wall, a sleeve removably mounted on the tube and reversible on the latter, a foraminous moss supporting rack carried by the sleeve and including marginal flanges to contact with the second-named vertical walls and extend downwardly or upwardly in the receptacle by the reversing of the sleeve on the tube and to contact with the bottom wall and remain in engagement with the second-named vertical walls when the rack is in its lowermost position in the receptacle, and legs carried by the rack and having slidable fit with the second-named vertical walls and engageable with the bottom wall when the rack is in its uppermost position in the receptacle.

2,150,606
BUILDING CONSTRUCTION

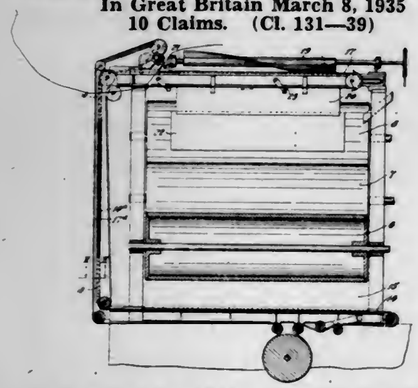
Arthur M. McLellan, Los Angeles, Calif., assignor to McLellan Steel Development Corporation, a corporation of Nevada

Application April 3, 1937, Serial No. 134,782
10 Claims. (Cl. 72—48)



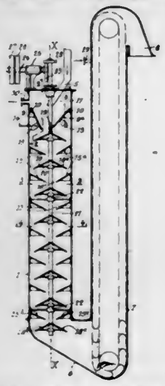
1. A building wall comprising spaced girders, spaced braces interconnecting said girders and cooperating therewith to provide a multiplicity of similar openings intersecting both faces of the wall, and completely closed box-like cores one for and in each such opening.

2,150,607
TOBACCO FEEDING APPARATUS
Walter Everett Molins, deceased, late of Deptford, London, England, by Harold Bernardo Molins, Deptford, London, and Moses Hyman Isaacs, London, England, executors, and Sydney Alfred Nichols, Deptford, London, England, assignors to Molins Machine Company, Limited, Deptford, London, England
Application February 10, 1936, Serial No. 63,256
In Great Britain March 8, 1935
10 Claims. (Cl. 131—39)



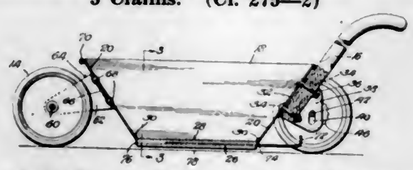
1. In apparatus of the character described, the combination of a conveyor to receive short tobacco, means cooperating with said conveyor to maintain said short tobacco on said conveyor in substantially the same formation in which it was received thereon until it is discharged therefrom, said means also constituting a support movable in timed relation with said conveyor and adapted to receive said short tobacco therefrom and convey said tobacco to a delivery point, and means adjacent said delivery point for removing said tobacco from said support, said last named means comprising a device for sweeping said tobacco laterally from said support.

2,150,608
EXTRACTION COLUMN
André Olier, Clermont-Ferrand, France, assignor to Societe Anonyme des Etablissements A. Olier, Clermont-Ferrand, France
Application November 12, 1937, Serial No. 174,260
In France November 18, 1936
6 Claims. (Cl. 87—6)



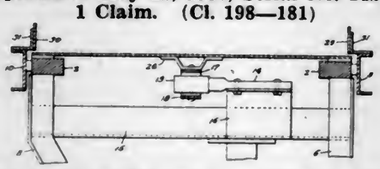
1. An extraction column comprising a casing, two sets of inclined, perforated surfaces arranged in zigzag above each other at a suitable distance from each other, means for delivering at one end of the casing the material to be treated, means for delivering the extracting medium at the opposite end of the casing and means for imparting an axial reciprocating motion to one set of perforated surfaces.

2,150,609
DRY LINE MARKER
Whitson M. Overcash, Springfield, Tenn.
Application June 22, 1937, Serial No. 149,732
5 Claims. (Cl. 275—2)



1. A dry line marker comprising a hopper having a slot in its bottom, a wheel for supporting one end of the hopper, two wheels for supporting the opposite end of the hopper, an axle fixedly connected with said two wheels, a pair of notched wheels fixedly connected with said axle, and a pair of rollers connected with the hopper and having pressure relation with said notched wheels for imparting a vibratory action to the hopper when the axle is turned.

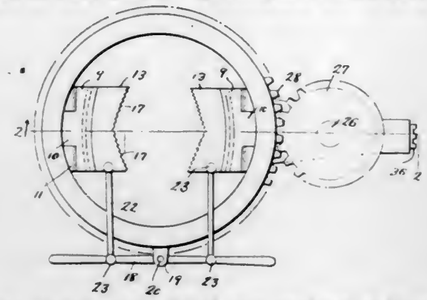
2,150,610
CONVEYER TABLE
Estral J. Raffetto, Salinas, Calif.
Application May 12, 1937, Serial No. 142,232
1 Claim. (Cl. 198—181)



In a table of the class described, a supporting structure comprising inner and outer elliptical frames forming parallel trackways, a conveyer unit including plate-like sections slidably mounted at their sides on top of said trackways in end-to-end relation for traveling movement in a common plane, means for driving said plates including a link chain beneath said plates centrally of said trackways and to which said plates are pivotally connected, inner and outer guide rails at the ends of the inner and outer frames, respectively, projecting over the side edges of the plates to prevent tilting of the same and forming bumpers for preventing articles from being thrown off said plates at the ends of the tables, and means to center the chain between the trackways and the plates relative to the latter comprising guide rails extending around the table intermediate said frames and along which said chain travels.

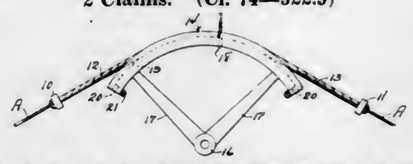
2,150,611
PIPE TONGS
Grover Lloyd Speck, Davenport, Okla., assignor of one-third to Carrie Speck and one-third to Elmer H. Speck, both of Davenport, Okla.
Application January 20, 1938, Serial No. 185,951
2 Claims. (Cl. 81—57)

1. Pipe tongs for use in connection with contiguous jointed pipe sections, comprising a pair of cylindrical jaw carriers connected together in axial relation and relatively rotatable and fitting over said sections, respectively, upon opposite sides of the joint thereof, a pair of jaw members mounted in each carrier in opposed relation to grip the respective section therebetween, the jaws in each pair being swingable about axes at



right angles to that of the carriers and each pair being independently adjustable transversely of the carrier into and from gripping relation to the respective section, means for adjusting each pair of jaws, and means for rotating said sections, relatively, including a crank operated gear drive.

2,150,612
CIRCULAR SWING
Wendell Phillips Stampfli, Monahans, Tex.
Application October 15, 1936, Serial No. 105,833
Renewed August 3, 1938
2 Claims. (Cl. 74—522.5)



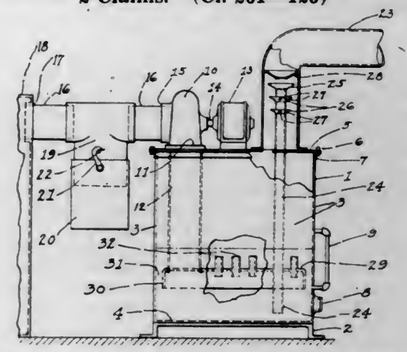
1. A swing structure fashioned with a spider formed with an arcuate member at the outer end thereof provided with a pair of circumferentially extending grooves terminating in the connecting cable retaining channel formed in an outer end face thereof and embracing a similar pair of coextending grooves terminating in a like channel formed in the opposite face thereof.

2,150,613
CONTINUOUS HEATING FURNACE
Theodor Stassinet, Dinslaken, Germany
Application July 26, 1937, Serial No. 155,760
In Germany August 11, 1936
9 Claims. (Cl. 263—6)



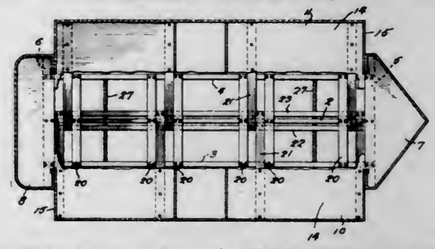
1. A continuous heating furnace, comprising, a heating chamber having a metal charging opening, a soaking chamber having a metal discharging opening, a transverse wall extending downwardly towards the plane of travel of the metal being heated to form a vertically restricted passage connecting the abutting ends of the heating and soaking chambers, a bottom, and side walls defining the restricted passage, and ribs on the inner surface of one of the said defining members for imparting whirling motion to gas flowing through the passage, and independent heating means for the heating and soaking chambers.

2,150,614
SMOKE DESTROYER
Alexander Sutkowski, St. Louis, Mo.
Application April 12, 1937, Serial No. 136,493
2 Claims. (Cl. 261—123)



1. A furnace attachment of the character described, comprising a closed receptacle, a furnace gas conducting conduit leading downwardly into the receptacle to a point adjacent the bottom thereof, the inlet end of the conduit being designed for attachment to a furnace gas outlet, a flue pipe outlet leading from the top of the receptacle, a plate disposed horizontally within the receptacle and having the outlet end of said gas conduit secured thereto and opening to the underside of said plate, a plurality of vertically disposed short gas tubes passing through and extending above and below said partitioning plate, the lower ends of said tubes extending below the outlet end of said gas conduit, a flange extending downwardly from and completely encircling the edge of said partitioning plate and having spaced relation with the sides of the enclosing receptacle, said flange having its lower edge in a plane below the lower ends of said tubes, and a neutralizing liquid filling the receptacle to a level above the plane of the upper ends of said gas tubes.

2,150,615
TRAILER CONSTRUCTION
James B. Sword, Stone Harbor, N. J.
Application March 23, 1937, Serial No. 132,602
6 Claims. (Cl. 296—26)



1. Vehicle comprising a chassis frame having a central longitudinal member, right and left side longitudinal members, and transverse members fixed across the tops of said central and side members, right and left laterally extensible body sections for said vehicle, and supporting means therefor comprising right and left transverse sliding members secured at their outer ends beneath the respective extensible sections, said sliding members resting upon the respective side members and said central member, and being of such length when said sections are extended as to

project beyond said central member, and longitudinal movable members slidable against the under faces of said fixed transverse members, on opposite sides of said central longitudinal member and fixed to the extended ends of said transverse movable members.

2,150,616

PRESERVATION OF FOODSTUFFS

Rudolf Thilenius, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

Application November 12, 1937, Serial No. 174,220
In Germany November 20, 1936
8 Claims. (Cl. 99—192)

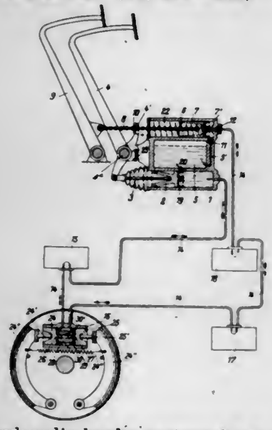
1. A process for preserving perishable foodstuffs which comprises preparing an ice containing hydrogen peroxide by rapid freezing of a solution of hydrogen peroxide containing from about 0.1 to about 0.5% of hydrogen peroxide and maintained at a pH value between 3 and 5, in a thin layer, and thereafter bringing said perishable foodstuffs into contact with said ice containing hydrogen peroxide.

2,150,617

HYDRAULIC BRAKE

Hermann Kurt Weihe, Berlin, Germany

Application December 2, 1936, Serial No. 113,902
In Germany December 5, 1935
6 Claims. (Cl. 188—152)



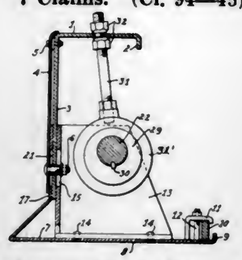
1. In a hydraulic brake system for a motor vehicle having brake and clutch pedals, a liquid reservoir, a main cylinder and a pump cylinder, a closed circuit conduit system extending from the pump cylinder to the main cylinder including therein wheel brake cylinders, a piston arranged for reciprocation in said pump cylinder, a spring associated with said piston for moving the same in one direction, a second piston mounted in said main cylinder and connected to be positively moved by said brake pedal, a conduit extending from said reservoir into communication with the main cylinder, pulling means for moving the pump cylinder piston against the action of said spring during the depression of the brake pedal, and a conduit having a one-way valve therein for admitting liquid to said pump cylinder by suction when the pump piston is moved against the action of the spring whereby the liquid in the pump cylinder is circulated through the closed conduit system and returned to the reservoir upon release of the pump piston.

2,150,618

SCREED

Stephen R. Blackwell, East St. Louis, Ill.

Application August 5, 1936, Serial No. 94,365
7 Claims. (Cl. 94—45)



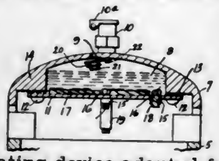
1. A screed comprising a beam, a flexible bottom shoe suspended from said beam, a plurality of upwardly extending brackets rigidly fixed at spaced points along the length of said flexible bottom shoe, a plurality of rods secured to said beam and extending downwardly therefrom, said brackets being suspended from said beam through said rods, a single, continuous operating member extending substantially the length of said bottom shoe and rotatably connected with said brackets and said rods, and eccentric means co-operating with said continuous operating member whereby said flexible bottom shoe may be flexed when said operating member is turned.

2,150,619

LUBRICATING SYSTEM FOR FUR SEWING MACHINES

Caesar Bonis, Brooklyn, N. Y.

Application April 30, 1938, Serial No. 205,237
2 Claims. (Cl. 184—6)



1. A lubricating device adapted for use in connection with sewing machines having a frame containing the operating mechanism therein, a cover for the said machine, a lubricant reservoir in the said cover, said cover having an opening therein in communication with the reservoir, a normally open ball valve in the reservoir below the said opening to close the same when the cover is in inverted position, lubricant admitting means in communication with the reservoir, closure means for the said reservoir, and wicks extending from the interior of the reservoir through the closure and outwardly thereof to permit of periodical lubricating action through the said wicks when the machine is in operation.

2,150,620

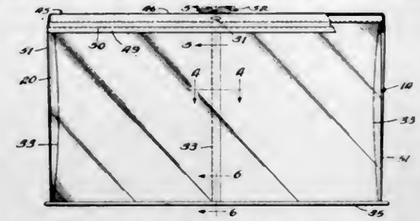
COLLAPSIBLE CONTAINER

Bernard J. Frost, Chicago, Ill., assignor to Morris Simon, Chicago, Ill., and himself

Application July 6, 1937, Serial No. 151,993
3 Claims. (Cl. 150—49)

2. A container comprising a base, a top ring, stays connected to said base and ring and holding them in spaced planes, said stays and said top ring being encased in separate flexible casings, and a flexible sheet in cylindrical form secured to said base and ring, the casings of the stays being secured to the base and to the casing of the ring,

said stays being resiliently springable to allow said ring to approach said base when the container is collapsed, the connections of the casing of said stays with said base and with the casing



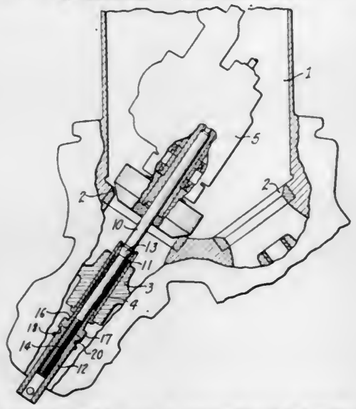
of the ring being constructed and arranged to allow said ring and said stays to twist and the stays to bend radially inwardly at their center so that the stays and top ring lie substantially flat adjacent said base.

2,150,621

PILOT FOR VALVE SEAT FACING TOOLS

Ernest A. Hall, Toledo, Ohio, assignor to The Hall Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application June 3, 1938, Serial No. 211,702
4 Claims. (Cl. 51—241)



1. A pilot of the class described having a stem portion adapted to be inserted through a valve stem guide from the outer end thereof and having an outwardly facing tapered portion intermediate its ends, a bushing mounted on the stem and having its inner end portion split and in engagement with said tapered portion for expanding engagement with the inner end portion of a guide opening in which mounted, said bushing having an inwardly facing outwardly spaced conical portion for engaging within the outer end portion of a guide opening in which positioned, and means mounted on the outer end of said stem and operable to draw the stem taper into the bushing to expand its inner end.

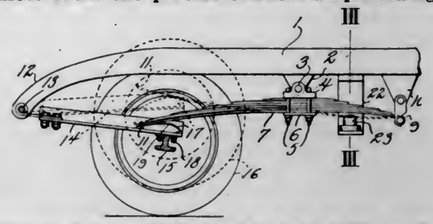
2,150,622

LOAD CUSHIONING

Niels E. Hendrickson, Toledo, Ohio, assignor to The Mather Spring Company, Toledo, Ohio, a corporation of Ohio

Application October 14, 1937, Serial No. 168,998
13 Claims. (Cl. 267—41)

1. Cushioning mechanisms between a vehicle wheel and a vehicle frame member embodying an axle member for the wheel between said members, a semi-elliptic spring having a shackle and mid-holder connected to one member, said spring having a free end remote from the shackle, and a longitudinally rigid swinging arm having rigid connection to the other member and having pivotal connection to said one member, said arm remote from the pivotal connection providing a



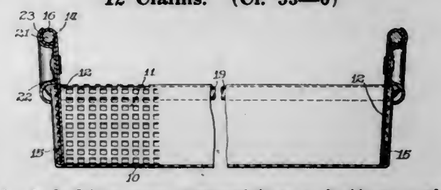
seat coacting with the free end of the spring, and so constructed that in response to load change the spring has variation in smoothly progressive cooperation with the arm in movement along the seat in varying the effective length of the arm and spring and the seat being controlled to shift with the arm.

2,150,623

MULTIPLE UNIT HEARTH BREAD BAKING PAN

Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois

Application February 11, 1937, Serial No. 125,244
Renewed March 21, 1938
12 Claims. (Cl. 53—6)



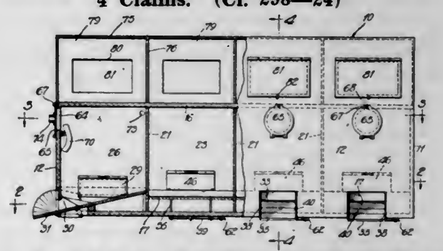
1. A baking pan comprising a bottom, relatively narrow side walls secured to the edges of said bottom, end walls at the ends of said bottom provided with outwardly sloping edges against which bear the extremities of said side walls, corner laps at the extremities of the side walls fixed to the outer surfaces of the end walls, extensions on said end walls projecting above the limits of the side walls, flanges on said extensions and on said side walls, and a continuous frame positioned against the outer surface of said extensions and side walls to be engaged by the flanges aforesaid.

2,150,624

TRUCK BODY

Albert A. Johnson, Kew Gardens, N. Y.

Application April 14, 1937, Serial No. 136,707
4 Claims. (Cl. 298—24)



1. A storage bin comprising a receptacle body having a discharge outlet, flooring inclined away

from said discharge outlet, inner and outer doors hinged at their bottoms at the low end of said flooring and normally closing said discharge outlet, and mechanism operatively connecting said doors to move the same simultaneously in the same direction to a raised closed position or to a lowered open position, the doors when in open position cooperating to form a continuation of the low end of the inclined flooring.

2,150,625

METHOD OF MAKING FLUX FOR USE IN ELECTRIC WELDING

Lloyd Theodore Jones, Harry Edward Kennedy, and Maynard Arthur Rotermund, Berkeley, Calif., assignors by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application October 9, 1935, Serial No. 44,142. Divided and this application March 11, 1936, Serial No. 68,300. Renewed July 1, 1938

3 Claims. (Cl. 148—26)

3. Process of making an electric welding composition which comprises melting together silica and at least one basic constituent of the group consisting of lime and magnesia, and then casting the resulting melt in relatively thin section and in contact with cold material to impart to the major part of the welding composition a vitreous luster on fracture.

2,150,626

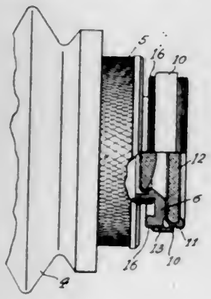
FILTER ATTACHING MEANS FOR PHOTOGRAPHIC CAMERAS

Heinz Kuppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application January 24, 1938, Serial No. 186,572

In Germany February 24, 1937

5 Claims. (Cl. 95—81.5)



1. In a folding photographic camera, the combination with a camera objective, a mounting therefor, and a hinged base board forming a closure of said camera when folded and a support for said camera objective when in operative position, of a filter detachably mounted in front of said camera objective, said filter including a mounting and a filter disc mounted therein, said filter mounting being provided with an interior thread for engaging an exterior thread on the outer end of said objective mounting, said filter disc in the attached position of the filter engaging the outer end face of said objective mounting and the filter mounting extending such a small distance in front of the objective mounting that upon folding the camera the hinged base may be closed without removing said filter.

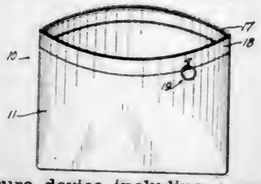
2,150,627

CLOSURE

Isaac Lieber, New York, N. Y., assignor, by mesne assignments, to Oscar Lindner, Brooklyn, N. Y.

Application December 28, 1937, Serial No. 182,045

7 Claims. (Cl. 150—10)



3. A closure device including a curved frame member of channel shape along its concave side, said frame member having end tabs at the concave side projecting outward and toward each other and forming recesses with the adjacent channel flanges, and a spring member having its ends pivotally engaged with the frame member in said recesses so that the spring is adapted to snap into the channel in the closed position of the device and outward to form an oval with the frame member in the open position of the device, and the flanges of the frame member closing the ends of the recess to retain the spring member.

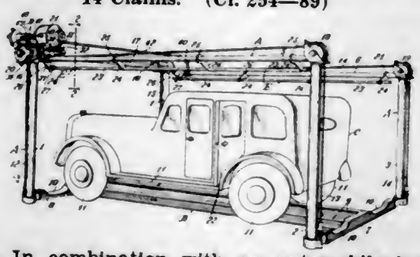
2,150,628

SAFETY STOP FOR AUTOMOBILE HOISTS

Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application August 13, 1938, Serial No. 224,688

14 Claims. (Cl. 254—89)



1. In combination with an automobile hoist comprising a carriage for supporting the automobile, a frame comprising two pairs of spaced apart uprights between which the carriage is guided, and longitudinally extending side members connecting the upper portions of the respective pairs of uprights adjacent to but outside of the normal path of vertical travel of the automobile, means carried by the frame and comprising a motor for raising and lowering the carriage, and a switch for stopping the motor, means movably carried by the respective side-members and positioned to be engaged and moved by an object on the carriage projecting laterally outside the normal path of vertical travel of the automobile, and mechanism operated by the movement of the last-mentioned means for operating the switch to stop the motor.

2,150,629

TELESCOPE

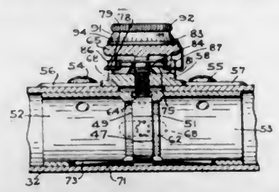
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut

Application April 1, 1938, Serial No. 199,326

9 Claims. (Cl. 33—50)

2. In a telescope sight, a tubular casing, spaced apart sleeves axially slidable in said casing, means

to fixedly secure said sleeves to said casing, a ring disposed in said casing between and guided by the



opposing ends of said sleeves, and means engaging said ring to adjust it transversely of said casing while it is being guided by said sleeves.

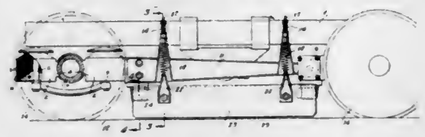
2,150,630

MAGNETIC BRAKING SYSTEM

Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York

Application March 19, 1936, Serial No. 69,636

11 Claims. (Cl. 188—165)



1. The combination of a rail truck, track brake shoes supported from said truck, means for depressing said shoes into track contacting position, and spring means for resisting movement of said shoes toward the tracks, said spring means having a load deflection ratio which increases during final movement of said shoes into contact with said tracks.

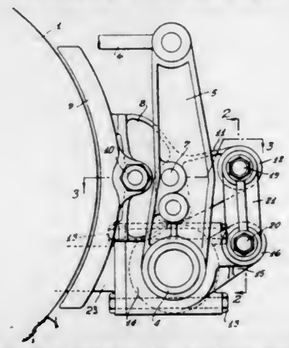
2,150,631

BRAKE SHOE LINKAGE

Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York

Application July 21, 1937, Serial No. 154,859

13 Claims. (Cl. 188—206)



1. In a brake linkage, in combination, a swingable brake arm, a rockable member pivoted intermediate its length on said arm, a brake shoe on the front end of said member, and means imparting an arcuate movement to the rear end of said member of shorter radius and greater amplitude but in the same direction as the arcuate movement of the pivotal point of said member when said brake arm is operated.

2,150,632

SECONDARY ELECTRON MULTIPLIER

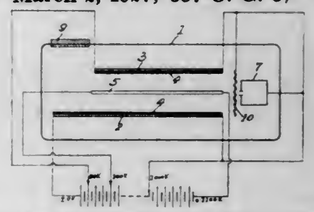
Martin Ploke and Wilhelm Lang, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application July 6, 1937, Serial No. 152,279

In Germany July 4, 1936

3 Claims. (Cl. 250—174)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



2. A secondary electron multiplier comprising an envelope provided with a transparent photocathode and containing two spaced plate-like electrodes provided with a layer adapted to emit secondary electrons when struck by an electron beam, a grid between said electrodes and adapted to act as accelerating electrode, and a collecting electrode, and means adapted to connect different points of said two plate-like electrodes and said grid electrode with different potentials, said grid electrode comprising two spaced rod-like members of semi-conductive material and metallic wires conductively connecting said two rod-like members with one another.

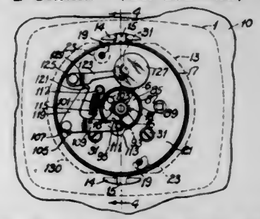
2,150,633

TIMING DEVICE AND ESCAPEMENT THEREFOR

Marcus H. Rhodes, New York, N. Y., and John Fanzoi, Hartford, Conn., assignors to M. H. Rhodes, Inc., New York, N. Y., a corporation of Delaware

Application September 26, 1936, Serial No. 102,640

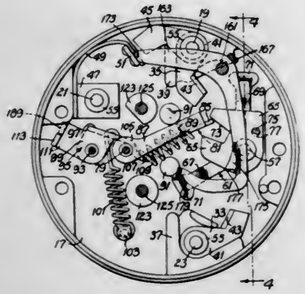
1 Claim. (Cl. 161—23)



In a time signalling device, a timing train, means for manually setting said timing train to run for a predetermined adjustable interval of time, cam means controlled by said timing train comprising a rotatable disc having a notch in its periphery, a V-shaped lever pivoted at the intersection of its two arms so as to turn in its own plane, and substantially in the plane of said disc, one of the said arms of the lever having a cam follower at its end engaging said cam means, spring means engaging said V-shaped lever and tending at all times to rotate said V-shaped lever so as to press said cam follower into firm engagement with said cam, a simple lever pivoted at one end and swinging in its own plane and substantially in the same plane as said V-shaped lever, the other end of said simple lever having a clapper thereon, a bell positioned in the path of movement of said clapper, said simple lever having an anvil edge provided intermediate its ends, the pivot points of

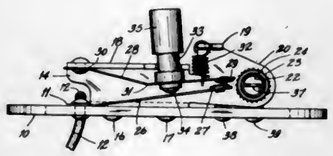
said simple and V-shaped levers being so located with respect to each other that, as said cam follower drops into the notch in the edge of the cam disc, the end of the other arm of the V-shaped lever is brought forcibly against said anvil edge of the simple lever and slides therealong, towards the pivot point of said simple lever, thereby causing said simple lever to rotate on its pivot, as driven by the V-shaped lever, with a constantly decreasing mechanical advantage in the drive engagement, the simple lever thereby acquiring a rotational moment that causes the clapper end thereof to come against the bell with a sharp blow, thus providing a clear, resonant signal, driving movement of the V-shaped lever against the simple lever being stopped by the engagement of the cam follower with the bottom of the notch in the cam disc, at such a point that the aforesaid anvil edge of the simple lever must pass away from engagement with the aforesaid end of the other arm of the V-shaped lever, during the imparted rotational movement of the simple lever, before the clapper strikes the bell, there being accordingly provided a region of free movement of the clapper end of the simple lever, which, after the bell has been struck, permits the immediate retraction of the clapper to a position in which it does not interfere with the resounding vibrations of the bell.

2,150,634
TIME CONTROL SWITCH
Marcus H. Rhodes, New York, N. Y., assignor to M. H. Rhodes, Inc., New York, N. Y., a corporation of Delaware
Application March 20, 1937, Serial No. 132,019
8 Claims. (Cl. 200—39)



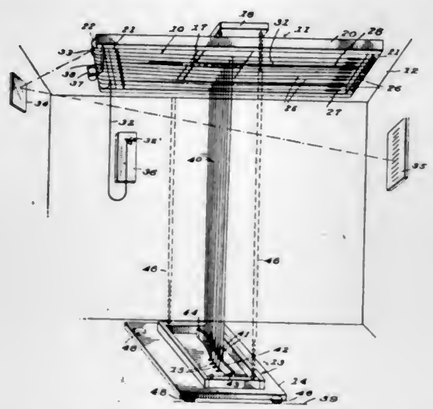
4. A time-controlled switch comprising a manually rotatable main shaft, a pair of electric switches each having open circuit and closed circuit positions, means connected to said main shaft operable on rotaton of said main shaft through a given angle to move one of said switches from one to another position, and additional means operable, upon rotation of said main shaft through a given greater angle to move the second switch from one to another position, and upon rotation through still a greater given angle to urge said second switch back to its first position, a latching mechanism operated by the rotation of said main shaft and interposable in the path of said additional means thereby to prevent, temporarily, said second switch from being returned to its first position, and a timing train operative after a predetermined time interval to remove said latching mechanism from the path of said additional means to permit said second switch to return to its first position, said first-named means comprising a cam.

2,150,635
MOTOR PROTECTOR SWITCH
James A. Rodgers, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application July 22, 1936, Serial No. 91,887
17 Claims. (Cl. 200—116)



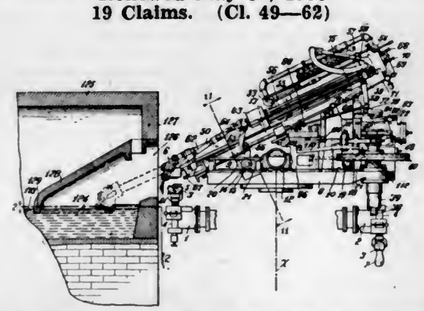
1. In a device of the kind described, a terminal member, a contact thereon, a movable switch element, a contact on said element adapted to close with said terminal contact upon movement of said element, thermal means adapted to hold said element and to release same upon occurrence of a predetermined temperature condition, and setting mechanism for moving said element into holding relation with said thermal means, said setting mechanism including means immovable with respect to said movable switch element and adapted to maintain said contacts away from each other during the action of setting the element.

2,150,636
GRAPH APPROXIMATOR
Richard G. Sagebeer, Wilmington, Del.
Application June 14, 1935, Serial No. 26,609
6 Claims. (Cl. 235—61)



1. In combination, a framework, a series of parallel members each of which is under an initial spring tension, means for indicating the midpoints of said members, a movable chart containing a series of data points plotted to represent predetermined observed coinciding values of two statistical variables, means for temporarily retaining said chart in a predetermined relation to the framework, means for securing the midpoints to the corresponding data points to exert additional tensions on the parallel members proportional to the deviations of these data points from a given line, and means for supporting said chart so it can move with respect to said framework when the temporary retaining means is released, whereby a component of the combined tensions acting on the chart can bring it into a position of equilibrium under the combined action of those tensions to indicate the relation between the variables.

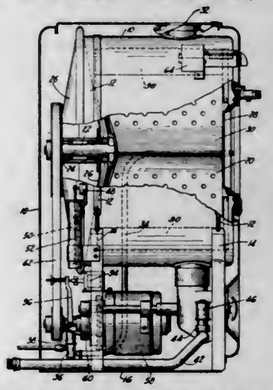
2,150,637
GATHERING RAM
Harold R. Schutz, Ottawa Hills, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 2, 1936, Serial No. 66,635
Renewed May 31, 1938
19 Claims. (Cl. 49—62)



1. In combination with a furnace containing a pool of molten glass, the furnace having an inlet opening in the front wall thereof, a machine for drawing glass blanks comprising a gathering mold, means for drawing into and expelling a charge of glass from the mold, and means for moving the mold through a closed path in a substantially vertical plane which includes projecting the mold into the furnace through the inlet opening and into drawing engagement with the glass of the pool at a position remote from the inlet opening, then moving the mold horizontally toward the front wall of the furnace while still in glass-drawing position and then withdrawing the mold from the furnace.

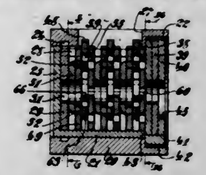
13. In combination with a furnace containing molten glass, the furnace having an inlet opening in the front wall thereof, a boot extending inwardly and downwardly from around the inlet opening so as to partially segregate a pool of molten glass adjacent the inlet opening mechanically moved propellers for causing the molten glass adjacent the front wall to flow laterally from the pool, a machine for forming glass articles comprising a plurality of glass-working spindles movable continuously throughout a circular path a portion of which is adjacent the inlet opening, a gathering mold, means for drawing into and expelling a charge of glass from the mold, means for reciprocating the mold inwardly and downwardly and then upwardly and outwardly, means for reciprocating the mold horizontally toward and from the front wall of the furnace, and means for swinging the mold through a horizontal arc above the path of travel of the spindles, the several mold-moving means being so timed that the mold will be successively projected through the inlet opening into the furnace and into drawing engagement with the glass of the pool, then withdrawn horizontally toward the front wall while in glass-drawing position so as to cause a flow of molten glass toward the front wall, then withdrawn from the pool to the starting position above the path of travel of the spindles, then swung horizontally above and in synchronism with a spindle while a glass blank is being transferred from the mold to the spindle, and then swung back to the starting position.

2,150,638
WASHING MACHINE
Ray W. Scott, Detroit, Mich., assignor to Bendix Home Appliances, Inc., Detroit, Mich., a corporation of Delaware
Application July 6, 1937, Serial No. 152,114
15 Claims. (Cl. 68—12)



1. A washing machine or the like having a work receptacle and a motor and connections from the motor for driving the receptacle either at low or at high speed, and electrical control means for automatically causing said machine to operate according to a predetermined cycle and including means for controlling said connections to cause the driving of said receptacle at different times in said cycle at said different speeds, said last-named means including a device preventing operation of said connections at high speed unless the receptacle is already being driven by said motor through said connections at said low speed.

2,150,639
CYLINDER LOCK
Reuben Simon, Detroit, Mich.
Application February 27, 1936, Serial No. 66,123
20 Claims. (Cl. 70—364)

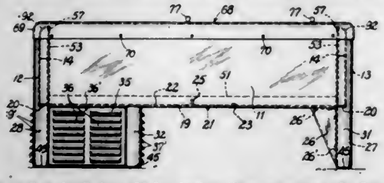


4. A cylinder lock comprising a lock barrel, a tumbler carried thereby and adapted to be moved with respect to the barrel to locking and unlocking positions, tumbler locking means, a movable key slot plate having a key slot formed therein to receive the key, cooperating means on said tumbler locking means and the last named plate to prevent movement of the last named plate prior to insertion of a key, and means to urge the tumbler locking means and the last named means into a normal locking position.

2,150,640
CABINET
Homer Stephens, St. Louis, Mo., assignor to S. G. Adams Company, St. Louis, Mo., a corporation of Missouri
Application September 3, 1936, Serial No. 99,263
4 Claims. (Cl. 220—9)

4. A cabinet comprising an exterior frame in-

cluding ends, sides, a bottom, and a top, means to support said frame, a false end disposed inwardly of and near each of said ends, said bottom being supported by said false ends and said sides, and said top being removably supported by said ends and said sides, said top including a shell having inwardly directed flanges along two opposed sides, flexible members adapted to slide thereon to open or close a central space defined by the shell, said members in said opening move-



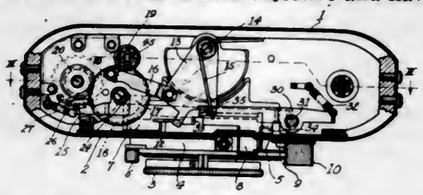
ment adapted to slide into the spaces defined by the said false ends and the said ends, and a receptacle within said frame spaced from the false ends, bottom, and sides thereof by insulation and being fixed relative thereto by a removable connection between end walls of the receptacle and the said false ends, said receptacle being removable from said frame after displacing the said top and disconnecting the said connection.

2,150,641
PROCESSING OF HYDROCARBON TAR-LIKE PRODUCTS
Charles A. Thomas and Fred Lowell Taylor, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 19, 1936, Serial No. 111,620
4 Claims. (Cl. 260—82)

1. A process of producing resinous products and recovering naphthalene hydrocarbons in substantially pure form from a naphthalene-hydrocarbon-containing tar mixture resulting from the pyrolysis of petroleum hydrocarbons at aromatic-forming temperatures, which mixture is rich in non-aromatic unsaturated hydrocarbons, and from which the naphthalene hydrocarbons are not readily separable in substantially pure form by distillation, comprising subjecting said mixture to polymerization with a Friedel-Crafts catalyst, whereby the non-aromatic unsaturated hydrocarbons are converted to a resinous body and the naphthalene hydrocarbons are thereby rendered readily separable in substantially pure form by distillation, separating the catalyst therefrom after polymerization, and thereafter recovering the resinous products and naphthalene hydrocarbons by distillation of the naphthalene-hydrocarbon components.

2,150,642
PHOTOGRAPHIC CAMERA
Conrad Wachtler, Dresden-Loschwitz, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 3, 1938, Serial No. 205,811
In Germany May 4, 1937
11 Claims. (Cl. 95—31)

1. In a rollfilm camera, a camera casing having a top wall, a photographic objective, a shutter provided with a shutter tensioning lever and a shutter release means, film advancing means including a film sprocket, a one-way clutch, a gearing between said sprocket and said one-way clutch, and a lever mechanism connected with said clutch for driving the same; an exposure counter operatively connected with said one-way clutch, and a manually operable member rotatable about the axis of said objective and having



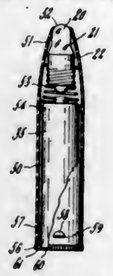
an arm terminating adjacent said top wall of said camera casing for simultaneously actuating said shutter tensioning lever, said exposure counter, and said lever mechanism in a direction in which said film sprocket advances the film.

2,150,643
ELECTROILLUMINATING ADVERTISING DEVICE
Arthur J. Waterman, New York, N. Y.
Application April 25, 1938, Serial No. 204,066
7 Claims. (Cl. 40—130)



1. An electro-illuminating and display device comprising illuminating tubes, a transformer, electrical operating equipment and a carrier for said tubes, said carrier representing the article to be displayed and consisting of mouldable material, recesses and channels within said carrier for mounting and introducing said illuminating tubes said transformer and said electrical equipment, said carrier being a ready-made mounting unit with avoidance of additional fastening means.

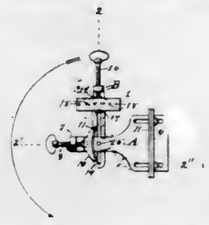
2,150,644
POCKET FLASHLIGHT
Hugh W. Batcheller, Waltham, Mass., assignor, by mesne assignments, to Aetna Motor Products Company, Boston, Mass., a corporation of Massachusetts
Application December 26, 1934, Serial No. 759,154
4 Claims. (Cl. 240—10.68)



4. A flashlight casing enclosing a filament containing lamp and an electric dry cell both insertable from the base end thereof comprising a generally tubular portion of sufficient length to receive the dry cell, a bulb enclosing head integral therewith having a portion of decreased

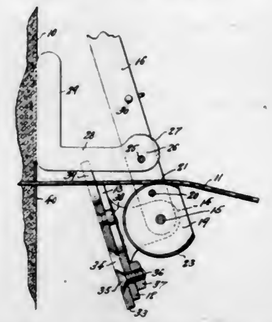
diameter terminating in a light transmitting opening smaller than the diameter of the lamp bulb to engage and position the lamp therein and a dry cell retaining closure for the base end of the tubular portion to hold the lamp and dry cell within the casing when inserted through said base end.

2,150,645
BUNION REMOVING APPLIANCE
William L. Carroll, Benton Harbor, Mich.; George J. Lynch administrator of William Carroll, deceased, assignor to Harry A. Budin, New York, N. Y.
Substituted for abandoned application Serial No. 625,759, July 29, 1932. This application October 11, 1937, Serial No. 168,417
8 Claims. (Cl. 128—81)



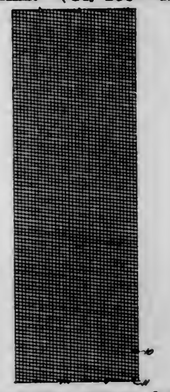
1. In a device of the nature set forth, a base plate, an adjustable side wall at one end of said base plate, an adjustable toe joint pad opposite said wall near the opposite end of said plate, an adjustable transverse crossbar secured to said plate, an adjustable toe holding crosspiece carried by said crossbar, and means to adjustably move said crosspiece on said crossbar to stretch a person's toe.

2,150,646
WIRE-PULLING DEVICE
Samuel S. Colt, West Orange, N. J.
Application December 24, 1937, Serial No. 181,554
5 Claims. (Cl. 254—77)



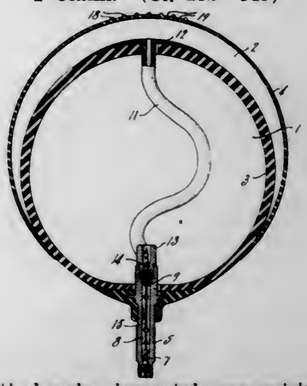
1. In a tool for the purposes described, a foot-member, a hand lever means fulcrumed on said foot-member, winch-roll means rotative about the fulcrum of said hand lever means, eccentric wire gripper means pivotally mounted in connection with said hand lever means for cooperation with said winch-roll means, said gripper means having radially extending actuating means, and said actuating means terminating in abutment means operative, when said gripper means is released relative to said winch-roll means, to purchase said hand lever means and winch-roll means for swinging movement about the pivotal connection of said gripper means.

2,150,647
WIRE SCREEN
Eldridge P. Douglass, Fayetteville, Ark.
Application April 28, 1937, Serial No. 139,372
2 Claims. (Cl. 139—425)



1. A fine mesh screen woven from thread like wire, the warp strands extending continuously along lines parallel to the length of said screen, and the woof wires extending continuously along lines which are parallel and deviate a substantial amount from a ninety degree angle with said woof wires, the warp and woof wires being interwoven but otherwise not deviating from substantially straight lines.

2,150,648
INNER TUBE FOR PNEUMATIC TIRES
Ernst Eger, Grosse Pointe Park, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 12, 1935, Serial No. 30,978
1 Claim. (Cl. 152—349)

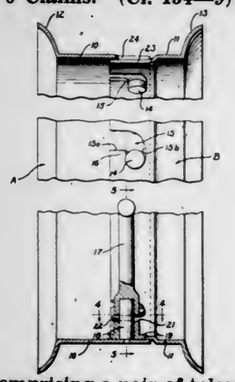


A multi-chamber inner tube comprising a rubber inner tube the wall thickness of which increases progressively outwardly from its inner periphery towards its outer periphery, an outer rubber envelope attached only at its edges to the side walls of the inner tube and above the rim engaging portion of the tube to form a second air chamber, the rubber of the envelope being more yielding than the rubber of the enclosed portion of the inner tube whereby the envelope expands under internal pressure more readily than the inner tube, and means for simultaneously inflating said tube and chamber with fluid from a common source to obtain a balanced pressure therein.

2,150,649
PETROLEUM OIL SPREAD FOR BREAD AND THE LIKE
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application December 5, 1936, Serial No. 114,430
4 Claims. (Cl. 99—123)

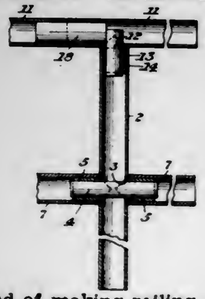
1. An opaque edible composition comprising thickened mineral oil, an emulsifying agent and approximately 50 to 90 per cent water (based on total composition) whereby said composition at ordinary room temperatures has a semi-solid to solid consistency and a dull luster.

2,150,650
TIRE RIM
William F. Errig, Philadelphia, Pa., assignor to Peco Manufacturing Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 13, 1937, Serial No. 120,368
6 Claims. (Cl. 154—9)



4. A rim comprising a pair of telescoping members, means for holding said members against axial movement relative to each other, and means for imparting relative circumferential movement to said members, said last-named means comprising an eccentrically mounted circular member on one of said members adapted to cooperate with an arcuate wall of a slot in the other of said members.

2,150,651
RAILING AND MANUFACTURE THEREOF
Wylie B. Ewing, Wheeling, W. Va., assignor, by mesne assignments, to Vulcan Rail and Construction Company, Maspeth, N. Y., a corporation of New York
Application May 18, 1935, Serial No. 22,236
12 Claims. (Cl. 29—148.2)



1. A method of making railing, comprising introducing a centering member through the wall of a pipe, welding the centering member to the pipe externally of the pipe, assembling in centered relation with said centering member a second pipe, covering the welding between the centering member and the first mentioned pipe by the second pipe, and fastening said second pipe and centering member together.

2,150,652
FABRIC CONSTRUCTION AND METHOD OF MAKING
Boutwell H. Foster, Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 12, 1937, Serial No. 120,237
10 Claims. (Cl. 28—1)

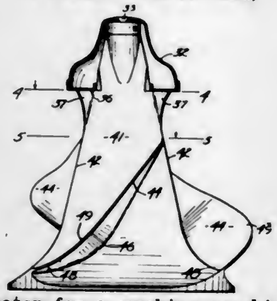


1. The method of making a textile fabric which comprises covering a textile core yarn with a firmly twisted yarn arranged in closely helically disposed turns of low pitch, incorporating said covered yarn in a textile fabric with its cover exposed to surface wear, and breaking the fibers of said yarn covering and outwardly directing the broken fiber ends.

2,150,653
NORMAL LEAD STYPHNATE AND A METHOD OF MAKING IT
Burveé M. Franz, John W. Wilkinson, and Samuel D. Ehrlich, New Haven, Conn., assignors, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
No Drawing. Application September 22, 1937 Serial No. 165,072
11 Claims. (Cl. 260—435)

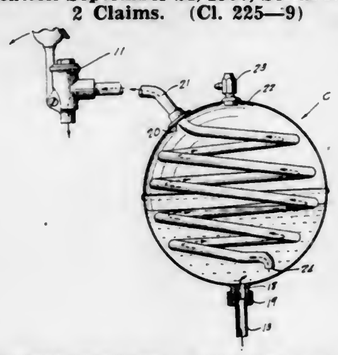
1. As a new product, normal lead styphnate in the form of plate-like crystals.

2,150,654
AGITATOR FOR WASHING MACHINES
Peter Eduard Geldhof, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 6, 1935, Serial No. 39,464
1 Claim. (Cl. 68—134)



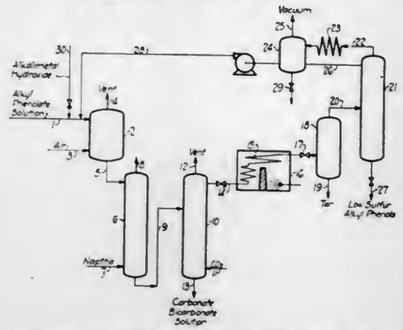
An agitator for a washing machine adapted to be mounted in a vat containing clothes and washing fluid comprising a central pyramid having an outwardly flared portion toward the bottom thereof, each face of said pyramid having a substantially straight blade extending from one corner of said pyramid downwardly along the face at an angle to the vertical substantially to the adjacent corner of the pyramid, each of said blades being curved near the lower end and merging with the outwardly flared portion at the bottom.

2,150,655
CARBONATED BEVERAGE FLOW CONTROL
Frederick Wilbur Hess, Haddonfield, N. J.
Application September 24, 1937, Serial No. 165,434
2 Claims. (Cl. 225—9)



1. In beer dispensing apparatus, a gas entrapment chamber comprising a casing formed with an inlet port at the lowermost portion of the casing, said casing having an opening in its upper portion, and a resistance coil passing through said opening and having a free end disposed adjacent to and spaced from the bottom of the casing, the turns of said resistance coil being disposed within the said casing.

2,150,656
PROCESS FOR DESULPHURIZING ALKYL PHENOLS
Harold I. Lounsbury, Wilmington, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 6, 1938, Serial No. 212,020
6 Claims. (Cl. 260—627)



1. In the process of desulphurizing alkyl phenols containing thiophenols by oxidizing an aqueous solution of an alkali metal salt thereof to produce neutral disulphides which are insoluble and other sulphur compounds which are soluble in said solution, separating said neutral insoluble disulphides from the solution, acidifying the latter to liberate alkyl phenols containing said sulphur compounds, and distilling the liberated alkyl phenols whereby said sulphur compounds are converted to thiophenols, the improvement comprising fractionally distilling said liberated alkyl phenols to separate a low boiling fraction containing thiophenols, and a higher boiling fraction substantially free from tar and thiophenols, redissolving the first fraction in aqueous alkali metal hydroxide to produce an aqueous solution of the alkali metal salt of said fraction, oxidizing the solution under conditions to convert thiophenols to disulphides insoluble in the solution, separating the insoluble disulphides from the solution and acidifying the latter to liberate alkyl phenols.

2,150,657
HYDROCARBON CONVERSION
Waldemar O. Mitscherling, Bridgeport, Conn., assignor to The Neon Research Corporation, Bridgeport, Conn., a corporation of Connecticut
No Drawing. Application June 1, 1935, Serial No. 24,479
11 Claims. (Cl. 204—31)

1. A process for the conversion of hydrocarbons into oxygenated derivatives which comprises passing a hydrocarbon through a zone containing radiations from an operating neon lamp in the presence of an oxidizing catalyst and in interfacial contact with an aqueous solution of a salt.

9. A process for the conversion of hydrocarbons into oxygenated derivatives which comprises passing a hydrocarbon through a zone containing radiations from an operating rare gas lamp in the presence of an oxidizing catalyst comprising granular carbon impregnated with a plurality of metals and aluminum oxide and in interfacial contact with an aqueous solution of a salt.

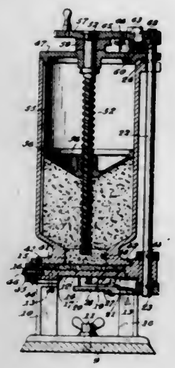
2,150,658
METHOD OF MAKING NONCHECKING PLYWOOD WITH AN AQUEOUS GLUE
George H. Osgood, Tacoma, Wash.
No Drawing. Continuation of application Serial No. 5,727, February 9, 1935. This application July 28, 1937, Serial No. 156,145
3 Claims. (Cl. 144—309)

1. A process for the production of multi-ply veneer by controlling the amount of moisture in the plies and glue prior to their assembly, comprising drying veneer sheets to a moisture content of about five per cent (5%), adding a homogeneous fluid glue thereto, said glue containing less than two (2) parts of water by weight, to one part of the adhesive ingredient in such quantity that the total amount of moisture in the glue will be approximately two and four-tenths per cent (2.4%) of the dry weight of the wood, assembling the veneer sheets with the glue therebetween, and finally hot pressing the assembled veneer sheets until the glue has set, thus reducing the original moisture content of the assembly by the amount lost in hot pressing.

2,150,659
HAMBURGER STEAK FORMING MACHINE
Steven Santo, Torrington, Conn.
Application December 16, 1936, Serial No. 116,067
12 Claims. (Cl. 107—8)

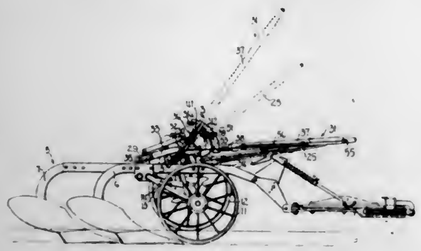
1. A meat cake forming machine of the class described, comprising a bed having a guide way formed therein, a moldplate slidably mounted in said guide way and having an opening therethrough, a cylindrical hopper positioned upon the bed above the slidable moldplate, a screw actuated plunger within the hopper to force meat from the hopper into the opening in the moldplate, an operating handle hingedly connected to the bed, a lever connecting the handle and the slidable moldplate for reciprocating the latter to receive quantities of meat from the hopper and convey it from the hopper, means connected with

the handle for operating the screw and its plunger to simultaneously force meat into the opening while the slidable moldplate is being operated, a hingedly mounted stripper adapted



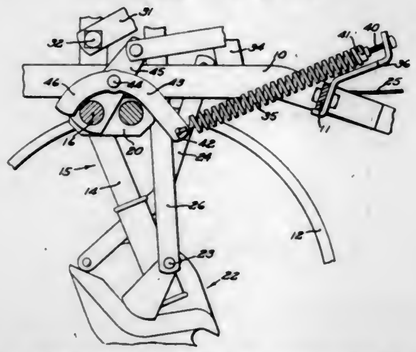
to move into registration with the opening in the moldplate when extended from the hopper, and means connecting the stripper with the operating lever for swinging the stripper to discharge cakes of meat from said moldplate.

2,150,660
LEVER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 23, 1936, Serial No. 107,157
17 Claims. (Cl. 74—524)



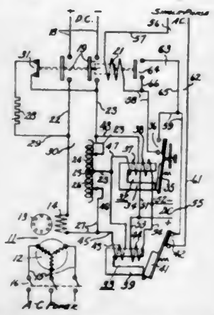
1. In combination, a notched sector, a pivot pin on said sector disposed concentric therewith, a lever comprising a short locking member and a handle member, each of said members being mounted for independent pivotal movement on said pin, a locking dog slidably mounted on said locking member and adapted to selectively engage the notches on said sector, an arm on said dog normally disposed axially of said pin, an arcuate shield fixed on said handle member and disposed over said notched sector in close proximity thereto to prevent said dog being disengaged from said notched sector, said arcuate shield having an aperture in the inner edge adjacent one end thereof adapted to receive said dog when it is withdrawn from said notched sector, said dog when engaged in said aperture serving also to connect said locking member and said handle member, and means on said handle member engaging said arm on said locking dog to actuate said dog after said handle member has been adjusted to align said aperture with said dog.

2,150,661
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 21, 1938, Serial No. 197,170
6 Claims. (Cl. 97—73)



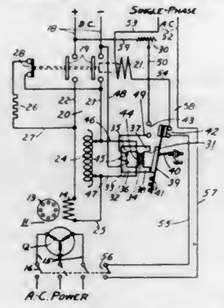
1. The combination with an implement having a tool carrying frame, a crank axle journaled on said frame, and means for swinging said crank axle to raise and lower the frame, of a spring anchored at one end to said frame, and linkage connecting the other end of said spring to said axle, said linkage including means for causing said spring to exert a turning moment upon said axle in one direction through a lever arm of one length when the frame is lowered, and in the other direction through a lever arm of another length when the frame is raised.

2,150,662
SYNCHRONOUS MOTOR CONTROL SYSTEM
Edwin W. Swanson, Hopkins, Minn., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn.
Application August 16, 1937, Serial No. 159,361
13 Claims. (Cl. 171—118)



1. In combination with the field winding of a synchronous motor, an initially closed field discharge circuit therefor, switch means for opening said circuit and applying excitation thereto, a control circuit for actuating said switch means, a relay responsive to a condition of said discharge circuit and controlling a normally closed switch in said control circuit, a second relay responsive to a condition of said discharge circuit and controlling a normally open switch in said control circuit, said relays being released to close said normally closed switch and open said normally open switch when the discharge current and frequency reach certain values, and said second named relay being adapted to be reactuated upon subsequent increase of current therein to complete closing of the control circuit, and means for increasing the strength of the current tending to reactuate said second named relay.

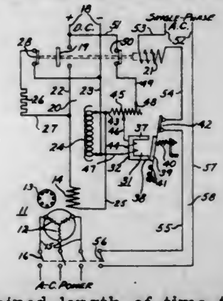
2,150,663
SYNCHRONOUS MOTOR CONTROL SYSTEM
Edwin W. Swanson, Hopkins, Minn., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn.
Application December 4, 1937, Serial No. 178,082
8 Claims. (Cl. 172—289)



1. In combination, a synchronous motor having a field winding, an initially closed field discharge circuit therefor, switch means for opening said circuit and applying excitation thereto, a control circuit for actuating said switch means, including normally closed switch contacts, a relay having a magnetic core providing three parallel magnetic paths, a winding disposed on a portion of said core forming one of said magnetic paths and responsive to an electrical condition of the field winding, another winding disposed on a portion of said core forming another of said magnetic paths and energized by a source of direct current, an air gap in said third magnetic path and an armature movable to close said air gap, said armature being adapted when the motor is first energized to open said normally closed switch contacts and when the flux produced by the field discharge circuit decreases below a predetermined value and continues below such value for a predetermined length of time to reclose said normally closed switch contacts, said armature due to the flux produced by the direct-current winding causing reclosing of said normally closed switch contacts only when the magnetic field set up by the field excitation current and the magnetic field generated by the motor have predetermined relations.

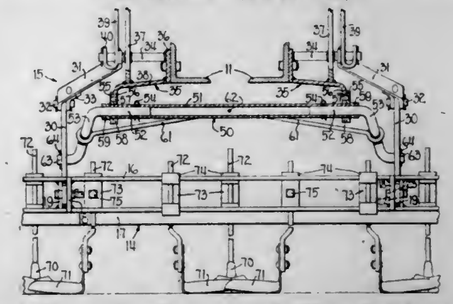
2,150,664
SYNCHRONOUS MOTOR CONTROL SYSTEM
Edwin W. Swanson, Hopkins, Minn., assignor to Electric Machinery Mfg. Company, Minneapolis, Minn.
Application February 7, 1938, Serial No. 189,134
12 Claims. (Cl. 172—289)

1. In combination with the field winding of a synchronous motor, an initially closed field discharge circuit therefor, a circuit for supplying excitation current to said field winding, switch means for opening said field discharge circuit and connecting said field excitation circuit to the field winding, a control circuit for actuating said switch means including a normally closed switch, a relay having an armature adapted upon actuation to open said switch and upon release to reclose said switch, a circuit for supplying direct current, said relay having a coil energized both by said discharge circuit and by said circuit for supplying direct current for producing a flux in the relay armature, said armature being adapted when the motor is first energized to open said normally closed switch and when the flux produced by said coil decreases below a predetermined value and continues below such value for



a predetermined length of time to reclose said normally closed switch, said armature due to the direct current in said coil causing reclosing of said normally closed switch only when the magnetic field set up by the field excitation current and the magnetic field generated by the motor have predetermined relations.

2,150,665
TRACTOR MOUNTED IMPLEMENT
Miles H. Tuft, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 2, 1936, Serial No. 99,047
24 Claims. (Cl. 97—47)

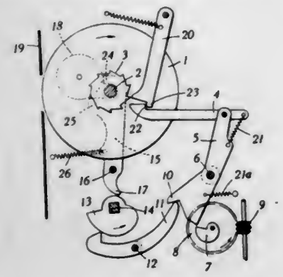


1. In combination, a supporting structure, a ground-working tool carrying frame movable relative thereto, actuating mechanism connected to said frame and mounted on said structure, a transversely disposed member journaled on said supporting structure, and a pair of spaced apart bracing arms pivotally connected to said frame and mounted on opposite ends, respectively, of said transverse member.

2,150,666
ZEROIZING MEANS
Christopher Frederick Webb, Eastcote, England, assignor to Bell Punch Company Limited, London, England, a British company
Application November 25, 1936, Serial No. 112,640
In Great Britain February 28, 1936
7 Claims. (Cl. 235—144)

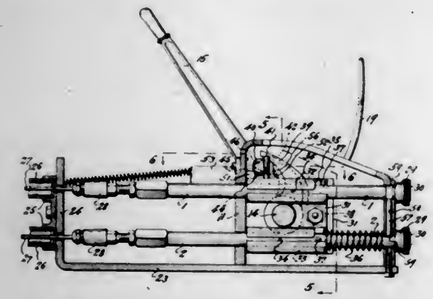
1. In a taximeter, the combination of a numeral wheel, a projection carried on one side of the numeral wheel and radially dispaced from the axis of the latter, a manually rotatable spindle, a cam on said spindle, and a spring urged

lever engageable with said cam and having one end shaped to form a pair of noses so that on rotation of the cam by the spindle the lever is released and is swung by its spring to engage one



of its noses with the projection aforesaid whereby the numeral wheel is rotated into the zero position wherein the other nose also engages the projection.

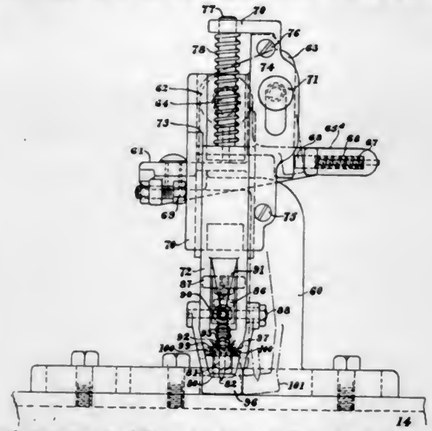
2,150,667
SELECTIVE REMOTE CONTROL MECHANISM
Abram W. Wheaton, Maplewood, N. J., assignor to A. W. Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application December 17, 1937, Serial No. 180,326
10 Claims. (Cl. 74—483)



1. In mechanism of the kind described, a plurality of selector rods connected with remote devices operable by axial movements thereof but as so connected being axially immovable except by power transmitting agencies, power transmitting means for actuating said rods axially, each rod having means for releasably coupling the same in actuatable relation to said actuating means, and means for locking all the remaining rods in normal uncoupled relation to said actuating means when a selected rod is operatively coupled with the latter.

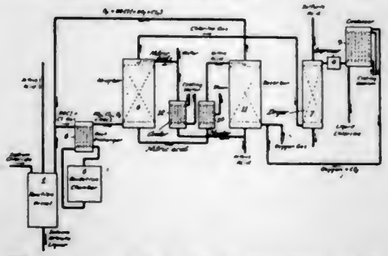
2,150,668
LOOM
William Henry Baker, Montreal, Quebec, Canada
Application April 15, 1935, Serial No. 16,423
4 Claims. (Cl. 139—279)

1. In a lay mounted filling feeler in combination, a sliding body normally maintained in filling contacting position, a penetrating member for said body, a filling contacting protector pivoted to said body provided with a slot through which the penetrating member extends, said protector being vibratable transversely of the lay with respect to its pivot and upon filling contact,



and means residing in the sliding body in contact with said protector whereby free vibration of the protector is prevented due to influence of the moving lay.

2,150,669
PROCESS FOR THE TREATMENT OF MIXTURES OF NITROSYL CHLORIDE AND CHLORINE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York
Application November 9, 1933, Serial No. 697,241
22 Claims. (Cl. 23—157)

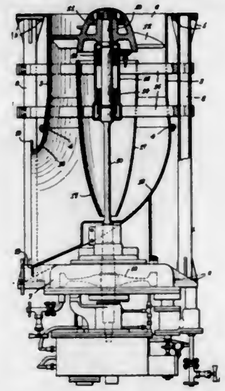


2. The process for the treatment of a mixture of nitrosyl chloride and chlorine which comprises heating said mixture with oxygen to partially oxidize nitrosyl chloride to nitrogen peroxide and chlorine and form a mixture of nitrogen peroxide, chlorine and residual unoxidized nitrosyl chloride, containing more than 1 mol of chlorine to 6 mols of nitrogen peroxide, passing said mixture in contact with concentrated nitric acid at a temperature below about 50° C. in amount sufficient to absorb substantially completely the nitrogen peroxide and nitrosyl chloride and leave unabsorbed chlorine gas, separating the resulting solution of nitrosyl chloride in concentrated nitric acid from the chlorine gas, and then heating the resulting acid solution to a temperature above about 50° C. to recover therefrom gaseous nitrosyl chloride separate from the aforesaid chlorine gas.

6. In a process for the treatment of a gas containing nitrogen peroxide, chlorine and nitrosyl chloride the improvement which comprises passing said gas in contact with concentrated nitric acid at a temperature below about 50° C. to absorb the nitrogen peroxide and nitrosyl chloride, heating the resulting acid solution to a temperature above about 50° C. to evolve therefrom a gaseous mixture containing nitrosyl chloride and nitrogen peroxide, and passing said gaseous mixture in contact with a moist solid chloride to absorb the nitrogen peroxide and form a nitrate.

10. In a process for the oxidation of nitrosyl chloride to nitrogen peroxide and chlorine the improvement which comprises passing said nitrosyl chloride with oxygen at an elevated temperature in contact with alumina.

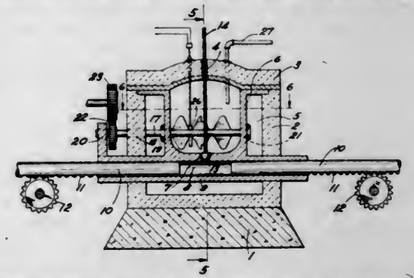
2,150,670
BLOWER
Oliver D. H. Bentley, Norfolk, Mass.
Application April 8, 1938, Serial No. 200,933
3 Claims. (Cl. 230—116)



1. A blower assembly adapted to be supported from the deck of a marine vessel, comprising a substantially vertical shaft, a blower mounted on said shaft adjacent the upper end thereof, a motor adjacent the lower end of said shaft and having its rotor mounted on said shaft, a plurality of vertical supporting members, each attached at one end to said motor and adapted to be attached at the other end to said deck, a bearing around said shaft adjacent said blower, means for supporting said bearing from said members, and an air guiding casing supported from said members, said casing having an upper cylindrical portion and a lower elbow type portion between said blower and said motor shaped to turn the air from said upper portion through a substantial angle, the portion of said shaft between said bearing and said motor having a reduced diameter for providing resiliency to compensate for any misalignment in said assembly.

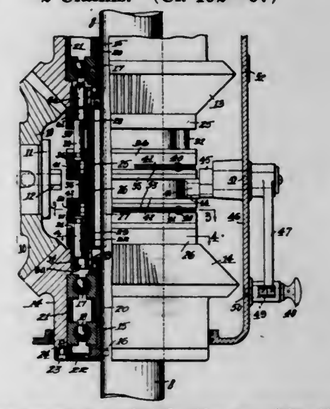
2,150,671
ARTICLE OF MANUFACTURE AND METHOD OF PRODUCING SAME
Frederick K. Bezzenberger, Cleveland, Ohio
Application March 19, 1937, Serial No. 131,931
5 Claims. (Cl. 75—134)

1. The process of producing composite metallic articles which consists in mixing finely divided non-alloying materials with non-ferrous metallic materials while at a temperature within the "bi-phase temperature range" of the latter, continuing the mixing while permitting the temperature of the mixture to fall to a temperature below the solidus of the metallic material, reheating the resulting granular mixture to a temperature within its "bi-phase temperature range",



and forming the mixture into articles by the application of pressure.

2,150,672
REVERSING CLUTCH FOR PRINTING PRESSES
Harry Davis, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 13, 1936, Serial No. 85,045
2 Claims. (Cl. 192—67)

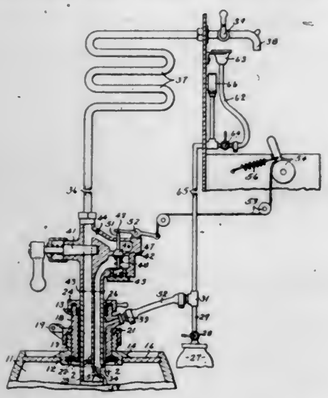


1. In a reversing clutch, the combination with a power transmitting shaft, of a gear rotatably mounted thereon, having, on its inner face, a circular series of holes provided with a hard interior surface, a clutch hub fixed to the shaft, a ring slidably mounted on exterior surface of the clutch hub and movable to different positions longitudinally of the shaft, said clutch hub having at opposite ends a circular series of holes having hardened surfaces, a circular series of pins carried by the ring and projecting oppositely from opposite ends, said pins fitting the holes in the gear and clutch hub accurately to avoid play between the pins and holes, and a series of separable blocks carried by the ring and detachably mounted, said blocks having means for holding said pins with respect to the ring, whereby either said gear can be clutched to the shaft accurately.

2,150,673
BEVERAGE DISPENSING SYSTEM
Nicholas De Steffan, Syracuse, N. Y.
Application March 3, 1938, Serial No. 193,731
4 Claims. (Cl. 225—1)

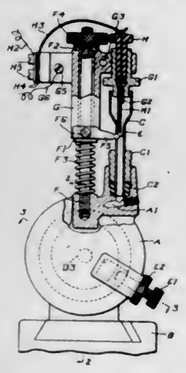
1. In a system for dispensing a beverage from a barrel or the like, a beverage conduit comprising a refrigerating coil having a discharge spout

from which the beverage is drawn off and a tube extending into the barrel to a point adjacent the bottom thereof, means for admitting a gas under pressure into the barrel at the top thereof to form a pressure chamber at the top of the barrel to thereby force the beverage from the barrel through said conduit and out of the dis-



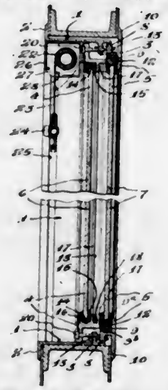
charge spout, a valve in said conduit between the refrigerating coil and the barrel, said valve being normally open but being adapted to be closed when the system is to be temporarily shut down, and means comprising a by-pass for returning the beverage in the refrigerating coil to the top of the barrel when such periods of shutdown occur.

2,150,674
MERCURY SWITCH
Harry Allsop Dudgeon, Kenilworth, England, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 15, 1936, Serial No. 105,739
In Great Britain November 16, 1935
8 Claims. (Cl. 200—52)



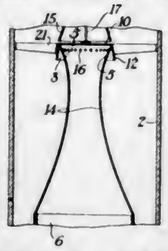
1. An electrical device comprising walls including a flexible diaphragm which form a fluid reservoir, a conducting fluid therein, an electric circuit including said fluid and a terminal located above but engageable by the fluid, means for moving the diaphragm and causing relative movement of the fluid and terminal and means governed by a temperature volume change of said fluid whereby the fluid and terminal may be moved relatively to compensate for said change.

2,150,675
WINDOW CONSTRUCTION
Oliver M. Edwards, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application February 4, 1937, Serial No. 124,064
10 Claims. (Cl. 189—64)



1. In a window construction, a double sash comprising inner and outer frame sections, one of the sections being demountable and formed with a channel opening into the space between the glass panes of the double sash, for receiving a readily removable moisture absorbing material in the channel, and means for clamping the demountable section against the other section in sealed relation thereto.

2,150,676
HIGH VACUUM
Norris D. Embree, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application October 8, 1937, Serial No. 167,997
In Great Britain May 11, 1937
5 Claims. (Cl. 230—101)

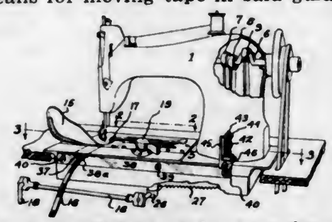


1. A condensation pump provided with an umbrella jet within a pump casing serving as a condenser wall which jet is supplied with actuating vapor by a chimney communicating with a boiler, characterized by the fact that the inner umbrella jet wall and the chimney wall in the vicinity of the jet slant inwardly with respect to the casing wall so as to permit vapors issuing from the jet to pass or expand in a direction approximately parallel to the condenser walls.

2,150,677
SEWING MACHINE AND PROCESS
Henry J. Ernst, Southgate, Ky.
Application August 18, 1936, Serial No. 96,656
22 Claims. (Cl. 112—130)

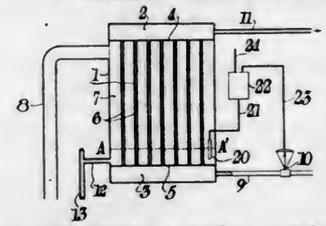
1. In a sewing machine for sewing tape or

the like, to a work piece, a fixed tape guide, feeding means for moving tape in said guide, means



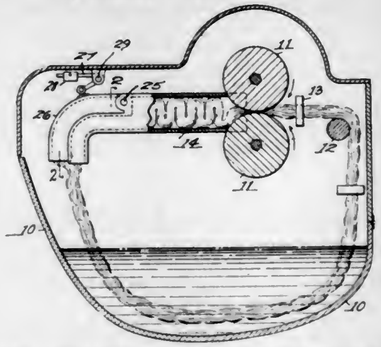
for severing said tape and means for actuating said severing means in timed sequence to the sewing operations of said machine.

2,150,678
CONDENSER
Webster E. Fisher, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 9, 1936, Serial No. 99,987
2 Claims. (Cl. 257—2)



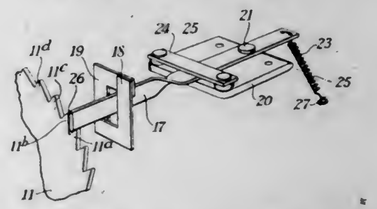
1. In combination, a surface condenser and means for supplying cooling fluid thereto, a thermal expansion element located so that its longitudinal axis is cut at approximately right angles by the vapor line formed by condensing vapors, and means directly or indirectly operated by the expansion or contraction of the element, for controlling the rate of admission of cooling fluid to the condenser.

2,150,679
FULLING CANAL
Tom Frusher, Jr., Groton, Conn., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application December 30, 1937, Serial No. 182,560
4 Claims. (Cl. 26—21)



1. The combination with a rotary fulling mill and its friction rolls, of a fulling canal of uniform and constant rectilinear shape from the friction rolls to a point at a distance near the other end thereof, the discharge end of said canal comprising the bottom of the canal, and a curved cover section on the upper and outer part of the canal movably connected with and supported by the canal to complete the end, forming a vertical downward discharge, and providing for adjusting the outlet and having means for normally holding it in a contracted position.

2,150,680
TIMING DEVICE
Albert B. Fuller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 7, 1936, Serial No. 104,561
2 Claims. (Cl. 74—142)

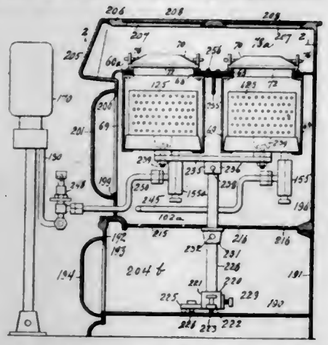


1. In a ratchet relay assembly, the combination with a ratchet wheel having a plurality of teeth, a detent so mounted that rotation of said ratchet wheel is confined to one direction, a propelling member mounted perpendicular to said ratchet wheel for engagement with the teeth thereof, mounting means movably supporting said propelling member and permitting advancing movement thereof to advance said ratchet wheel, and permitting return movement thereof out of engagement with one tooth of said ratchet wheel into position to engage another tooth of said ratchet wheel, said mounting means also permitting lateral movement of said propelling member with respect to said ratchet wheel, a resilient means connected to said propelling member for returning the same after advancing movement thereof and for laterally urging the same into engagement with the teeth of said ratchet wheel, means for actuating said propelling member to advance said ratchet wheel, two guide members on opposite sides of said propelling member and for limiting the advancing and return movements thereof and a third guide member positioned near said propelling member to limit the lateral component of its advancing movement so that said propelling member in its most advanced position prevents advancing movement of said ratchet wheel.

2,150,681
RANGE OR STOVE HAVING BURNER CHAMBERS FOR OIL BURNERS
Harry L. Gere, Bayonne, N. J.
Application December 31, 1936, Serial No. 118,485
3 Claims. (Cl. 126—44)

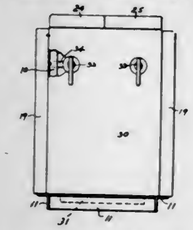
3. In a range or stove the combination of a burner chamber therein, a top wall for the burner chamber having openings, a bottom wall for the range or stove spaced below the burner chamber, a mounting bracket supported on the latter, a column extending from the mounting bracket, an inner bottom wall having openings supported on said column and spaced from the bottom wall of the range or stove, a supporting bracket at the upper end of the column, a pair of oil burners supported by the latter bracket, a plurality of supports extending up from each oil burner, an angle shaped supporting ring supported by the supports of each burner, the latter supporting

the top wall of the burner chamber, a removable hood having an opening supported on each



angle shaped supporting ring for the openings in the top wall of the burner chamber and a handle for each removable hood.

2,150,682
CASING FOR FURNACES AND THE LIKE
George D. Hauser, Utica, N. Y., assignor to Utica Products Incorporated, Utica, N. Y., a corporation of New York
Application April 28, 1937, Serial No. 139,474
4 Claims. (Cl. 220—9)

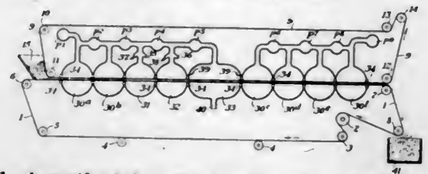


1. A furnace of the class described comprising a frame structure made up of twelve angle-irons each one having outside flanges extending at right angles to each other and to the frame; a plurality of panels suspended on the sides, rear and top of said frame structure, said panels having inwardly extending flanges adapted to lie over the flanges of the frame structure; a partition formed in the casing for dividing it into two separate compartments; metal sheeting secured on the inner side of the frame structure in one of said compartments so as to form "dead air" spaces in all of the panels surrounding said compartment; and a door secured to the front end of the other compartment.

2,150,683
DISTILLATION PROCESS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application October 26, 1935, Serial No. 46,957
13 Claims. (Cl. 202—52)

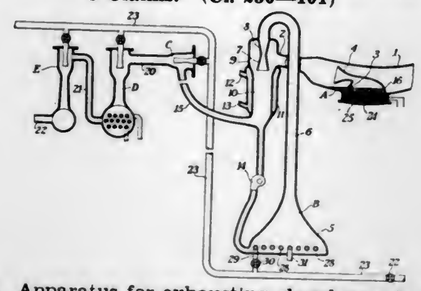
8. The process which comprises adding an antoxidant to an animal or vegetable oil containing a fat soluble vitamin, subjecting the oil to high vacuum distillation and separating a distillate containing a vitamin and an antoxidant, the antoxidant being one which distills at least in part with the vitamin containing fraction.

2,150,684
DISTILLATION OF SOLIDS
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application February 21, 1936, Serial No. 65,121
8 Claims. (Cl. 202—52)



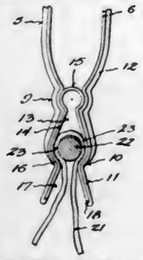
1. A method for short-path, high vacuum distillation of solid substances which comprises, disposing pieces of the solid in a thin layer on a heated moving surface, condensing vaporized molecules on a near-by condensing surface, maintaining a high vacuum in the space between the surface of the layer and the condensing surface and continuously removing condensate from the condensing surface.

2,150,685
PROCESS AND MEANS FOR THE PRODUCTION OF VACUA
Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Application March 11, 1937, Serial No. 130,359
3 Claims. (Cl. 230—101)



1. Apparatus for exhausting closed receptacles comprising in combination, a condensation pump filled with an organic pump fluid having a vapor pressure between .05 and 2×10^{-6} mm. at 20° C. and a high velocity steam ejector connected on the low vacuum side.

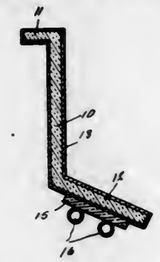
2,150,686
CLOTHESPIN
Andras Kraynick, Milwaukee, Wis.
Application May 17, 1937, Serial No. 143,095
1 Claim. (Cl. 24—259)



A resilient metallic clothes-pin comprising a

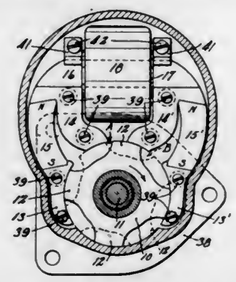
U-shaped handle having a pair of forwardly extending spaced parallel legs, said legs at a point intermediate their ends being provided with arcuate fulcrum portions, an independent substantially U-shaped spring steel clip received between said legs and including a connecting circular portion fitted in the arcuate fulcrum portions, whereby the legs can rock on said connecting circular portion, and outwardly flared lips formed on the forward ends of the legs and clip.

2,150,687
AUTOMATIC IGNITER
Adam P. Kunowich, Decatur, Ind.
Application May 25, 1937, Serial No. 144,721
3 Claims. (Cl. 219—32)



2. An igniter of the character described comprising a vertically disposed plate of heat refractory material, a bracket, a connection between the upper edge of the plate and the bracket, a flange at the lower edge of the plate, and an igniting element secured to the bottom of said lower flange, said plate and its flanges being provided with a metallic encasement and a strip of insulation between the encasement at the lower flange and the said igniting element.

2,150,688
MAGNETO
Terrence G. Louis, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application August 20, 1937, Serial No. 160,017
10 Claims. (Cl. 171—209)

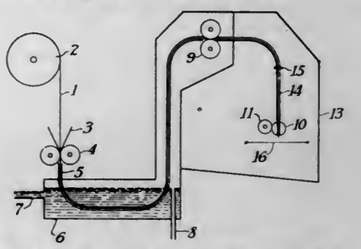


8. In a magneto, a revoluble flux distributer having a plurality of equally spaced radial lobes, a pair of pole pieces for cooperation with said lobes mounted in relatively widely-spaced angular relation, a second pair of angularly spaced pole pieces located between the first-named pole pieces and both on the same side of the axis of the distributer, a pair of short bar magnets of high coercive force each connecting one first-named pole piece to one second-named pole piece, said magnets having like polar ends connected to like pole pieces, a core located on said side of the axis of the distributer and interconnecting the second-named pole pieces, and a generating coil on said core and between the second-named pole pieces, said magnets located entirely between two parallel planes one of which passes through said core and the other through the axis of said distributer.

2,150,689
PROCESS FOR PREPARING CELLULOSE ESTERS FROM WOOD PULP
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 13, 1937, Serial No. 125,645
4 Claims. (Cl. 260—227)

1. The process for preparing a lower fatty acid ester of cellulose having a good color value from refined wood pulp which comprises acylating the pulp with lower fatty acid compounds, prior to the addition of the hydrolyzing reagents maintaining the reaction mass at 90–110° F. for at least one-half hour after the pulp has completely dissolved in the esterification bath, and subsequently bleaching the ester with a very mild oxidizing bleach which substantially eliminates coloration from the ester.

2,150,690
PRETREATMENT FOR ESTERIFICATION OF CELLULOSE IN ATTENUATED FORM
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 14, 1937, Serial No. 168,966
9 Claims. (Cl. 260—229)

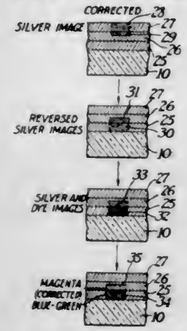


1. The method of pretreating cellulose to prepare it for esterification which comprises impregnating cellulose in attenuated form with a pretreatment liquid essentially consisting of lower fatty acid of which at least 40% is acetic acid, enclosing the impregnated cellulose in a container and allowing it to stand for the desired time and at the desired temperature until the cellulose is sufficiently pretreated for esterification.

2,150,691
COLOR REPRODUCTION
Leopold D. Mannes and Leopold Godowsky, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 20, 1937, Serial No. 132,105
4 Claims. (Cl. 95—2)

1. In a method for producing color-corrected pictures, including the steps of exposing to light an element having a plurality of superposed layers each sensitive to a different primary color, and converting said element into a corresponding subtractively colored positive picture, in which at least one of the subtractive colors has a region

of inadequate transmission, the step of extending the sensitivity of the corresponding sensitive layer



into said region in inverse proportion to its transmission.

2,150,692

DYE COMPOSITION AND ART OF COLORING THEREWITH

James G. McNally and John A. Leermakers, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 16, 1937, Serial No. 164,188

16 Claims. (Cl. 8—58)

1. A stable dye composition comprising an insoluble dye having affini y for organic derivatives of cellulose and as a dispersing agent therefor a water soluble cellulose acetate.

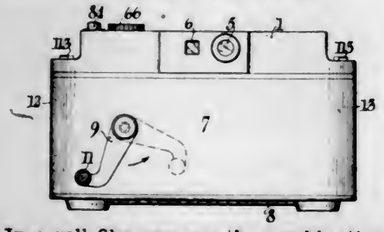
2,150,693

CAMERA WINDING DEVICE

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 17, 1937, Serial No. 137,483

11 Claims. (Cl. 95—31)



1. In a roll film camera, the combination with a camera body, of a back movably mounted with respect to the camera body, a film spool winding shaft carried by the camera body including a gear mounted on the camera body by which said shaft may be rotated, a gear carried by the camera back adapted to mesh with said gear and drive said film spool winding shaft, a pawl and ratchet adapted to drive the gear on the camera back, and a shaft extending through the camera back for operating the pawl and ratchet.

2,150,694

OPTICAL GLASS

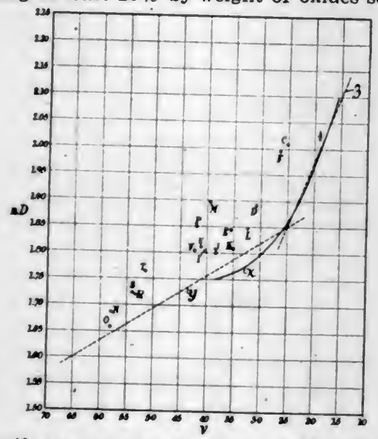
George W. Morey, Chevy Chase, Md., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application August 19, 1936, Serial No. 96,844

In Great Britain September 3, 1935

15 Claims. (Cl. 106—36.1)

1. A transparent optical glass having an index of refraction (*n*D) for the D-line greater than 1.65 and a dispersive index greater than both 385—200 *n*D and 99—4 *n*D, resulting from fusion of a glass batch containing less than 10% silica and containing at least 20% by weight of oxides selected



from the group consisting of the following elements: titanium, yttrium, zirconium, columbium, lanthanum, hafnium, tantalum, tungsten and thorium.

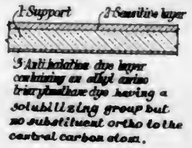
2,150,695

ANTIHALATION LAYER FOR PHOTOGRAPHIC FILMS

Lowell E. Muehler, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application October 25, 1934, Serial No. 749,892

14 Claims. (Cl. 95—8)



1. A light-transmitting photographic element provided with an anti-halation layer comprising a dye of the alkyl amino triarylmethane series, said aryl being of the benzene series, and said dye containing no substituent group in a position ortho to the triarylmethane carbon, and containing at least one substituent group which confers high water solubility on the dye compounds resulting from treatment in alkaline solution and sulfite solution said substituent group being selected from the group consisting of quaternary ammonium containing three alkyl radicals and a single halogen atom, sulphonic acid, selenonic acid, arsinic acid, phosphonic acid and boric acid.

2,150,696

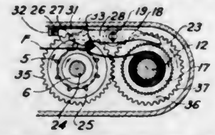
FILM WINDING MECHANISM

John B. Nelson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 18, 1937, Serial No. 159,744

5 Claims. (Cl. 242—71)

1. In an automatic stop for perforated roll film cameras, the combination with supply and take up rolls, a sprocket over which the film passes, a ratchet on the take up roll, a pawl pivoted adjacent said ratchet, a spring tending to raise the pawl from the ratchet, and a pin carried by the sprocket adapted to positively thrust the pawl into engagement with the ratchet, and means for



manually moving the pawl to render the pin on the sprocket inoperative.

2,150,697

METHOD OF MAKING PLYWOOD

James V. Nevin, Aberdeen, Wash.

No Drawing. Application August 27, 1934, Serial No. 741,745

4 Claims. (Cl. 144—309)

1. In the process of making plywood including the coating of plies of wood with a resinous partial condensation product and the uniting together of said plies under the application of heat and pressure to convert the partial condensation product into a hard infusible resin, the improvement comprising coating said plies with an aqueous solution of the partial condensation product prepared by reacting cresylic acid and an aldehyde at temperatures slightly below the boiling point of water in the presence of a condensing agent, said product being thoroughly miscible with water.

2,150,698

WATER SOLUBLE THERMOSETTING RESIN AND METHOD OF MAKING SAME

James V. Nevin, Aberdeen, Wash.

No Drawing. Application August 11, 1937, Serial No. 158,474

7 Claims. (Cl. 260—30)

1. The method of making aqueous solutions of condensation products adapted to be diluted with water to any degree without precipitation of the condensation products which comprises reacting a cresylic acid with a methylene-containing compound in the presence of an amount of alkali condensing agent equivalent to not less than 10% of sodium hydroxide based on the weight of the cresylic acid until a partial condensation product is formed and arresting further reaction by incorporating in the reaction mass an aqueous solution containing an alkali metal dissolved therein equivalent to not less than 6% sodium hydroxide based on the weight of the cresylic acid.

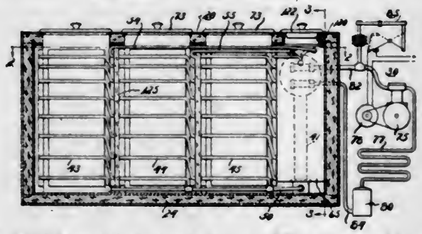
2,150,699

REFRIGERATING APPARATUS AND METHOD

Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application November 23, 1932, Serial No. 644,061

7 Claims. (Cl. 62—126)



5. Refrigerating apparatus of the type wherein multiple temperatures are maintained, including a plurality of refrigerant evaporators, one of said evaporators having an outlet restricted to the flow of refrigerant therethrough, means connecting the inlet of the evaporators in open communication with the outlet of the evaporators whereby refrigerant is free to pass at all times through said means and evaporators, said restricted portion maintaining the temperature of one of said evaporators above another evaporator of the apparatus, and means for injecting refrigerant into said apparatus.

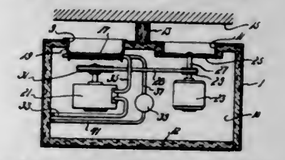
2,150,700

REFRIGERATING APPARATUS

Lawrence A. Philipp and Nicholas J. Bohn, Detroit, Mich., assignors to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application October 2, 1937, Serial No. 166,908

4 Claims. (Cl. 62—116)



3. In a refrigerator, the combination of an insulated cabinet comprising a food storage compartment with a machine compartment separate therefrom, said machine compartment having an air inlet opening and an air outlet opening formed in a wall thereof, a vertical projection on the outer wall of the cabinet and located between the inlet and outlet openings for separating the inflowing and outflowing air currents, a compressor-condenser unit mounted in the machine compartment and having the condenser located adjacent the inlet opening, a flexible sleeve connected to the condenser and to the wall of the machine compartment around the air inlet opening so that the air entering the air inlet opening is directed through the condenser, means for circulating air through the machine compartment for cooling the parts in the machine compartment, and sound insulating material lining the wall of the machine compartment against sound transmission through the wall of the compartment and for the absorption of any noise within the compartment.

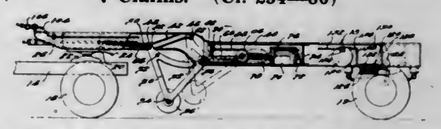
2,150,701

RETRACTABLE TRAILER SUPPORT

Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan

Application May 2, 1938, Serial No. 205,466

7 Claims. (Cl. 254—86)

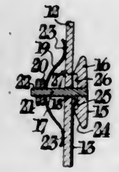


1. In a semi-trailer, a rigid frame for supporting the semi-trailer when it is disconnected from a tractor, means connecting the frame to the semi-trailer so constructed as to permit one end thereof to be moved upwardly and another end to be moved longitudinally of the semi-trailer, resilient means constantly urging said one end downwardly, and means for moving said one end upwardly when said semi-trailer is attached to a tractor.

2,150,702
FOG INHIBITOR FOR PHOTOGRAPHIC EMULSIONS
Samuel E. Sheppard and Waldemar Vanselow, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application May 7, 1936, Serial No. 78,464
6 Claims. (Cl. 95—7)

1. A photographic emulsion comprising gelatin having sensitive silver salts dispersed therein and containing as an anti-foggant 0.2 to 1 gram per 1000 ccs. of wet emulsion of a phenylene diamine.

2,150,703
CAMERA FOCUSING ATTACHMENT
Paul C. Stetson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 5, 1937, Serial No. 146,631
3 Claims. (Cl. 24—1)



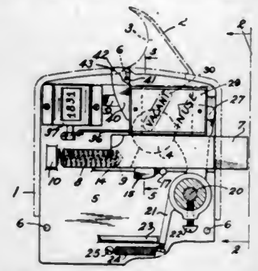
3. A focusing cloth clip, adapted to be placed on a support having a hole formed therethrough, said clip comprising a flat button substantially larger than said hole and provided with a stud adapted to extend through said hole, said button having the under surface thereof formed with a recess adjacent said stud, an annular gripping portion on said surface adjacent said recess to grip and hold said cloth against one side of said support, an inclined portion on said surface adjacent said portion to facilitate the insertion of said cloth thereunder, a leaf spring mounted on the free end of said stud and engaging the opposite side of said support, and means mounted on and movable along said stud and engaging said spring for varying the tension thereof to yieldably maintain said portion in engagement with said one side.

2,150,704
PHOTOGRAPHIC REVERSAL PROCESS
Joseph C. Ville, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 3, 1937, Serial No. 162,331
10 Claims. (Cl. 95—88)

1. The method of making a positive photographic image from a negative image in a photographic element without a second exposure to light, which comprises removing the negative image, treating the element in a bath containing as a nucleus-forming agent a hydrazine substituted with a group selected from aromatic ring and carbamyl groups, and developing a positive image in the film.

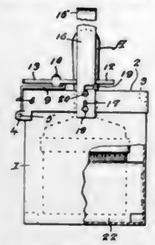
2,150,705
COIN LOCK
Adolph Wunderlich, Cleveland Heights, Ohio
Application May 11, 1937, Serial No. 141,949
2 Claims. (Cl. 194—74)

1. A coin lock comprising a housing having a coin receiving slot therein, a bolt slidable in said housing and spaced below said slot, said bolt having an elongated slot therein terminating at one end in a coin seat, a slide operable in the space between said coin receiving slot in the housing and said bolt, said slide having an opening therein to pass a coin from the receiving slot to the said coin seat in the bolt slot when the slide is in one extreme limit of movement, said coin seat being arranged to support a coin in the bolt so that the upper portion of the coin will project into the opening of the slide, a bolt operating lever in said bolt slot and operable to



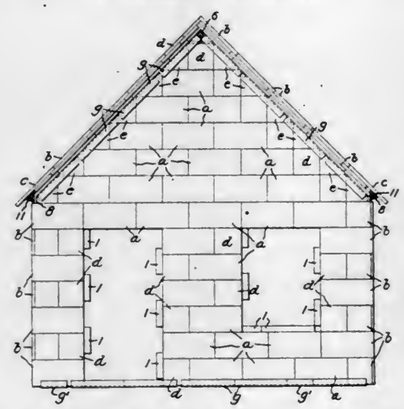
engage a coin supported in said coin seat and projecting into said slide opening, to slide said bolt and said slide simultaneously in one direction, means for releasing said coin from said bolt when the bolt is moved in the opposite direction, and a coin rejector comprising a loosely hung member pivotally supported in said housing, near said coin receiving slot and normally depending in the path of movement of said slide when the slide is in coin receiving position, said rejector having a portion projecting into said coin receiving slot to block the same when said slide is moved toward its opposite limit of movement.

2,150,706
BRUSH HOLDER
Alfred Stanley Adams, Atlantic City, N. J.
Application January 5, 1937, Serial No. 119,154
1 Claim. (Cl. 206—15.1)



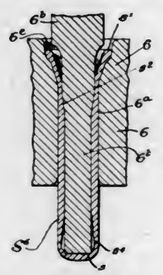
A brush holder comprising a handled open top rectangular shaped container, a plurality of right angle brackets having one of their right angle portions hingedly connected to and laterally of the container in row formation and for the disposal of the other right angle portions thereof to overlie the open top of the container in parallelism therewith, headed pins secured to and rising from the latter mentioned portions, a clamping member for each bracket and including brush receiving jaws and handles therefor, the clamping members being pivotally secured to the pins between the jaws and handles, springs surrounding the pins and engaged with the handles to urge the jaws in clamping engagement, said jaws being adapted to receive the handles of brushes for supporting the latter in suspended position within the container, and said brackets being movable on their hinges for lifting the brushes from the container to facilitate the removal of the brushes from the jaws.

2,150,707
BUILDING BLOCK
Lawrence Anderson, New York, N. Y.
Application March 26, 1938, Serial No. 198,309
5 Claims. (Cl. 46—25)



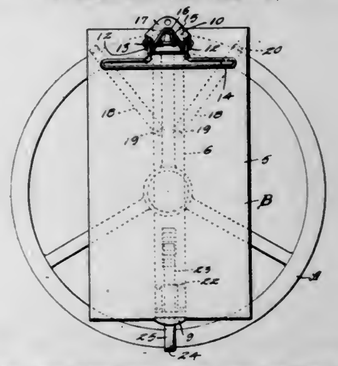
1. A building block comprising three substantially identical superposed sheets, the outside ones being in register and the middle one being offset at an angle of approximately 45° to the edges of the blocks.

2,150,708
METHOD AND APPARATUS FOR MAKING TUBES
Herbert B. Andrews and James R. Haines, Battle Creek, Mich., assignors to American Stamping Company, Battle Creek, Mich., a corporation of Michigan
Application December 23, 1936, Serial No. 117,401
11 Claims. (Cl. 205—4)



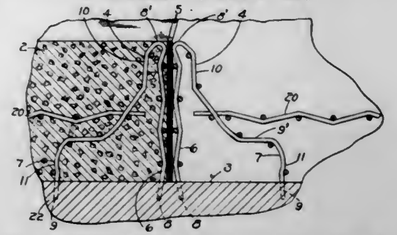
1. The method of drawing tubular pins from sheet metal, consisting in blanking a disk from sheet metal; drawing the disk into a cup; drawing the cup into a shell closed at one end; drawing the shell through a plurality of successive dies, each of less diameter than the preceding die to reduce the shell in diameter and increase its length; forming an external taper on the shell adjacent its closed end during one drawing operation, and transferring this taper from the exterior to the interior of the shell by drawing the shell through a straight die by a straight punch.

2,150,709
AUTOMOBILE STEERING WHEEL ATTACHMENT
Clarence F. Bake, Fullerton, Nebr., assignor of twenty-four per cent to Willmoth O. Bake, and twenty-five per cent to Lawrence A. Moore, both of Fullerton, Nebr.
Application April 12, 1938, Serial No. 201,612
5 Claims. (Cl. 281—1)



1. The combination of a plate-like section forming a writing bed, a saddle releasably holding said section comprising a strap, a plurality of clamps fitted on said strap, one of the clamps being slidably supported thereon and the remaining clamps swingable relative thereto, jaw terminals formed on the clamps for engagement with the steering wheel, and means for latching the slidable clamp in adjusted position to the strap.

2,150,710
EXPANSION JOINT FOR CONCRETE PAVEMENTS, WALKS, OR THE LIKE
James Banwell, Cleveland, Ohio
Application February 13, 1937, Serial No. 125,657
8 Claims. (Cl. 94—18)

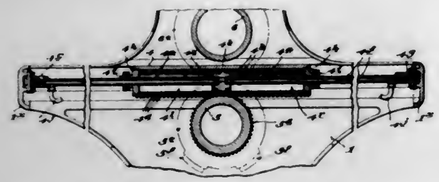


1. In a joint for concrete pavements, an expansion strip, a retainer for said strip comprising a heavy wire mesh anchored in the road bed and embedded in the concrete, said retainer having an inner wall adjacent one side face of the strip, said retainer having an outer wall extending at its upper and lower portions substantially parallel to said inner wall, and a substantially horizontal portion connecting said upper and lower portions.

2,150,711
MATRIX ROLLING MACHINE
Herbert C. Behrens, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application May 14, 1938, Serial No. 208,016
17 Claims. (Cl. 101—12)

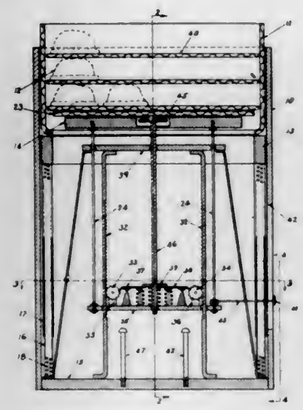
6. In a matrix rolling machine, a frame; a bed reciprocably mounted in the frame; an upper

roller journaled in the frame above the bed; a lower roller journaled in the frame below and supporting the bed and disposed parallel with the upper roller; means for synchronously driv-



ing the bed and lower roller; and normally disengaged means on the rollers adapted to engage when the bed is at and adjacent its extreme outward limits of movement to cause the upper roller to rotate synchronously with the bed.

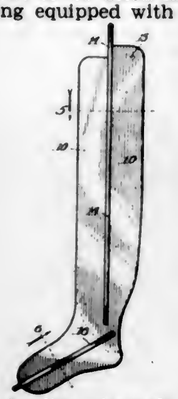
2,150,712
DISPLAY DEVICE
Fred C. Cooper, Maywood, Ill.
Application March 20, 1937, Serial No. 132,139
4 Claims. (Cl. 217—64)



1. A display device of the character described, including: a container for bulk articles having a bottom portion adapted to be elevated therein; a stand; yieldable means on said stand for supporting said container at a desired normal position; means in said stand for supporting said bottom portion; and ratchet means between said yieldable means and said means supporting said bottom portion so constructed and arranged as to normally permit movement therebetween in only one direction, whereby manual depression of said container against said yieldable supporting means effects elevation of said bottom portion and contents upon return of said container to normal position.

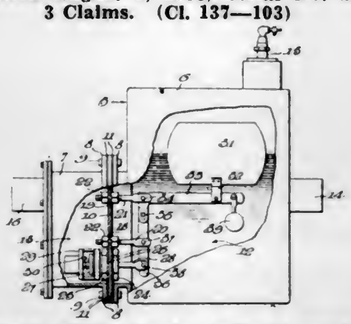
2,150,713
GARMENT STRETCHER
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application June 27, 1936, Serial No. 87,783
8 Claims. (Cl. 223—69)

1. In a device of the character set forth for the drying of a garment, a body member over which the garment to be dried may be drawn, said member being equipped with a slot, and a



removable fin extending through said slot and in angular relation to said body member.

2,150,714
AIR ELIMINATOR
John W. Davis and Richard G. Houston, Wilson, Okla.
Application August 8, 1938, Serial No. 223,777
3 Claims. (Cl. 137—103)

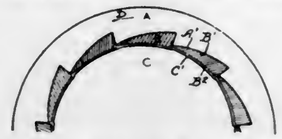


1. An air eliminator for a liquid conducting line, comprising a casing consisting of two sections secured together, a vertical partition secured between said casing sections and dividing the casing into two chambers, one of said chambers having a liquid inlet and a vent and the other being provided with a liquid outlet, said partition being provided with an opening in its lower portion through which liquid may normally flow from said one chamber to the other, two vertically spaced posts carried by said partition and projecting rigidly into said one chamber, a valve for the aforesaid opening mounted on said partition, a vertical lever fulcrumed between its ends to the lowermost of said posts and operatively connected at its lower end with said valve, a bell crank fulcrumed to the uppermost of said posts and having a downwardly projecting arm operatively connected with the upper end of said lever, and a float connected with said bell crank and operable in said one chamber to control said valve.

2,150,715
ONE-WAY CLUTCH MECHANISM
Mario de Falco, Rome, Italy
Application July 10, 1937, Serial No. 152,889
In Italy July 27, 1936
7 Claims. (Cl. 192—45.1)

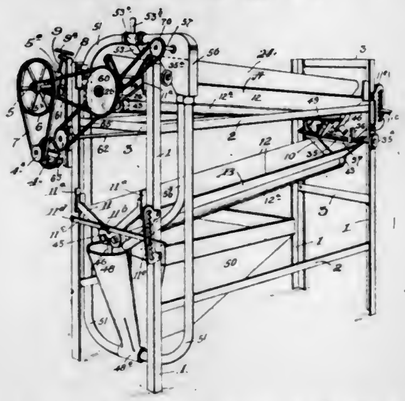
1. One-way clutch mechanism comprising coaxial members, wedges between said members,

curved surfaces on said wedges, and correspondingly curved surfaces on said members, at least



one set of said surfaces being defined by logarithmic spirals.

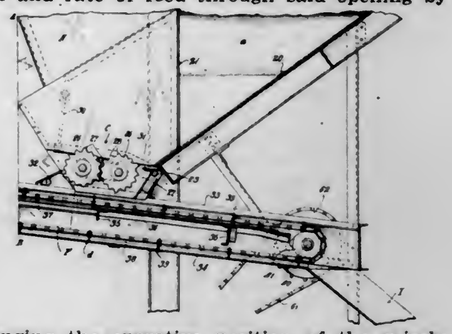
2,150,716
SEED CLEANING MACHINE
John F. Field, Owosso, Mich.
Application August 24, 1936, Serial No. 97,717
18 Claims. (Cl. 209—114)



1. A cleaning machine of the character specified comprising a frame, an inclined V-shaped pan in the frame having a pair of semi-cylindrical recesses therein adjacent the axis thereof and extending the full length of the pan; rotary conveyor brushes in said recesses; an opposed pair of laterally inclined endless fabric belt units forming a V-shaped belt trough journaled in the pan with their lower ends closely adjacent and contacting with the brushes; means for simultaneously moving the belts so that their upper runs move upwardly and outwardly to discharge refuse over the tops of the units into the pan; means for rotating the brushes to raise the nap on the belts and to carry the refuse to the lower end of the pan; means for discharging the refuse from the pan; and means for collecting the cleaned material at the lower end of the trough.

2,150,717
APPARATUS FOR SCREENING AND LOADING COAL
George S. Jaxon, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application October 18, 1935, Serial No. 45,647
19 Claims. (Cl. 209—234)

19. Apparatus of the type described comprising a storage bin for large lumps of coal having a vertical opening of a size to readily pass the largest coal lumps, a rotary grizzly, including a plurality of vertically arranged spaced discs, extending substantially the width of and positioned outwardly of and adjacent the lower edge of said opening so as to dam the coal at the opening, feed the coal through the opening and screen out the fines from the lumps, and means for bodily adjusting the grizzly through a path extending vertically of the opening to vary the damming action and rate of feed through said opening by

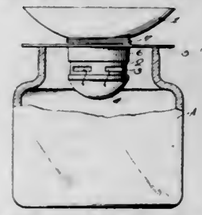


changing the operative position of the grizzly relative to the opening.

2,150,718
REVENUE STAMP
Jay B. Lawrence, Glen Ellyn, Ill., assignor to American Decalcomania Company, a corporation of Illinois
No Drawing. Application October 8, 1936, Serial No. 104,715
5 Claims. (Cl. 41—33)

1. A revenue stamp comprising a decalcomania transfer body formed by a plurality of ink impressions, and a layer of powdered metal above hydrogen in the electromotive series disposed between two of said ink impressions.

2,150,719
EGG SEPARATOR
Victor T. Milward, Santa Barbara, Calif.
Application November 7, 1938, Serial No. 239,370
2 Claims. (Cl. 146—2)

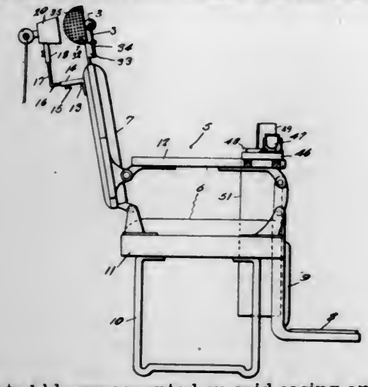


1. A device for separating the white of an egg from its yolk and comprising a bowl member, tubular means secured to and depending from the bowl member and having circumferentially arranged equi-distantly spaced outlet slots therein for the passage of the egg white therethrough, a cup-shaped member detachably secured to the lower end of the tubular means and providing a yolk receiving chamber, disk shaped means for supporting the device upon a container for receiving the egg white from the device and including an annular flange providing a valve surrounding the tubular means for slidable movement of the latter therethrough for controlling the slots, and a spring between the disk shaped means and bowl member for normally holding the parts in a position with the flange closing the slots.

2,150,720
BEAUTY PARLOR CHAIR
Anna A. Mullooly, Greensburg, Pa.
Application December 14, 1935, Serial No. 54,485
Renewed October 22, 1938
4 Claims. (Cl. 34—26)

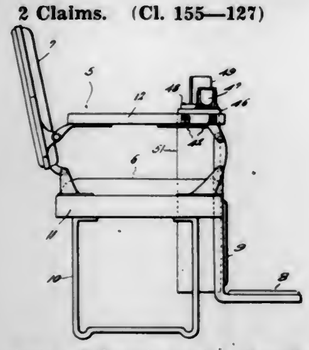
1. In a device of the character described, a support, a reticulated headrest, and a hair drier car-

ried by said support to the rear of the headrest, said drier comprising a frustro-conical casing disposed spacedly to the rear of said headrest, said casing having an electrical heating element disposed therein and thereacross, and an electrically



operated blower mounted on said casing and having its discharge located within said casing and behind the electrical heating element, so as to cause heated air to emerge from the casing and impinge against said reticulated headrest.

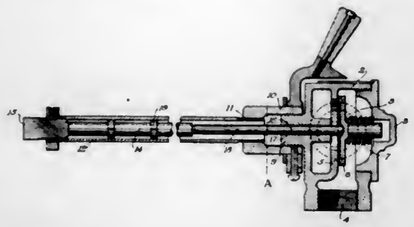
2,150,721
CHAIR
Anna A. Mullooly, Greensburg, Pa.
Original application December 14, 1935, Serial No. 54,485. Divided and this application May 5, 1936, Serial No. 78,052. Renewed October 22, 1938
2 Claims. (Cl. 155—127)



1. In a chair of the character described having two arm rests, a hinge member on one of said arm rests, said hinge member comprising a plate fastened to the arm rest, and a T-shaped track engaging member pivoted on said plate, a shelf having a track on its underside, said T-shaped member having its arms rounded and pivotally and slidably engaged with said track, whereby said shelf may be brought into a position overlying and engaging the two arm rests or disposed so as to depend laterally outwardly of the corresponding one of said arm rests.

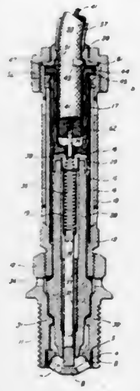
2,150,722
THERMOSTAT
Robert E. Newell, Irwin, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application January 29, 1931, Serial No. 512,052
2 Claims. (Cl. 236—102)

1. In a thermostatic apparatus for controlling the temperature of an oven or the like, the combination of a casing, a stationary element and a movable element in the casing for regulating the supply of heat to said oven, a thermostat responsive to the temperature of the oven and acting to move the movable element in one direction relative to the stationary element upon a rise in temperature in the oven, an adjusting handle connected with the movable element in any adjusted position for adjusting it relative to the stationary



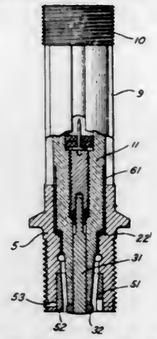
element, a second thermostat operatively connected to said movable element and acting to move it in the opposite direction upon a rise in temperature outside the oven for increasing the supply of heat to the oven, and a connection between the adjusting handle and the movable element including said second thermostat permitting movement of said element by either of said thermostats without movement of the adjusting means.

2,150,723
SPARK PLUG
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 5, 1936, Serial No. 62,524
12 Claims. (Cl. 123—169)



1. In a spark plug of the self-shielding type, the combination with an insulating core of a center electrode carrying spindle secured within said core, a metallic shell surrounding said core and additional metallic means to facilitate heat transfer from said spindle to said shell, a cable receiving spacer tube fitting within the portion of said shell which extends above said core and a metallic skirt secured to said tube, said skirt and spacer tube constituting parts of the plug assembly, and remaining in place independently of the cable which is insertable therewithin.

2,150,724
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 1, 1937, Serial No. 140,237
6 Claims. (Cl. 123—169)



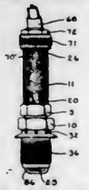
1. A spark plug comprising a body structure, a metallic casing fitting about said body structure and apertured near the lower end thereof, and a cylindrical electrode fitting within said casing and longitudinally slotted to form fingers flexible in response to pressure exerted thereupon by way of the apertured portion of said casing.

2,150,725
METHOD OF FORMING A SPARK PLUG
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, a corporation of New Jersey
Application June 2, 1937, Serial No. 146,092
2 Claims. (Cl. 29—155.51)



1. The method of forming a spark plug electrode which comprises the steps of bending the cross-piece of an H-shaped element at points equally spaced from its center, and adjacent the parallel sides thereof, then curving the sides backwardly toward the center of said H-shaped piece into complementary semi-circular shapes so that the two form an annulus adapted to fit the plug base with the cross-piece joined thereto at diametrically opposite locations.

2,150,726
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application April 17, 1935, Serial No. 16,882. Divided and this application July 21, 1937, Serial No. 154,845
12 Claims. (Cl. 123—169)



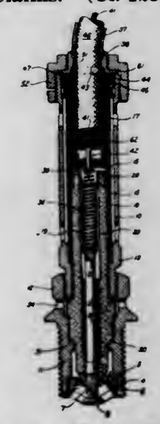
1. In a spark plug having a central spindle surrounded by a stack of insulating discs, and an enclosing shell, the combination with said discs, spindle and shell of metallic means including a pressure gland and a flanged sleeve extending through apertures in said discs for facilitating rapid transfer of heat from said discs to said shell the flanged part of said sleeve being in contact with said pressure gland.

2,150,727
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, a corporation of New Jersey
Application April 6, 1938, Serial No. 200,527
5 Claims. (Cl. 123—169)



1. In a spark plug, the combination with a central spindle terminating in an electrode of elliptical contour, of an enclosing shell provided with a cooperating electrode having a plurality of rectilinear edges adjustably spaced from said elliptical electrode.

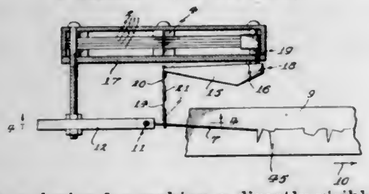
2,150,728
IGNITION APPARATUS
Edward B. Nowosielski, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, a corporation of New Jersey
Application April 6, 1938, Serial No. 200,528
19 Claims. (Cl. 123—169)



1. In a spark plug, the combination of a shell or base of one metal, a perforated electrode of a second metal which is resistant to the spark, said electrode having two separate circumferential surfaces adapted to be welded to said shell, and a third metal of good heat conductivity interposed between said two circumferential surfaces

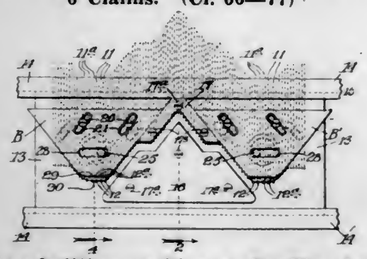
to facilitate transfer of heat from said electrode to said shell, said third metal being within the confines of said perforated electrode, and therefore protected from exposure to burning gases.

2,150,729
POTENTIAL RECORDING MARKER
Franklin Offner, Chicago, Ill.
Application August 29, 1936, Serial No. 98,594
3 Claims. (Cl. 234—5.5)



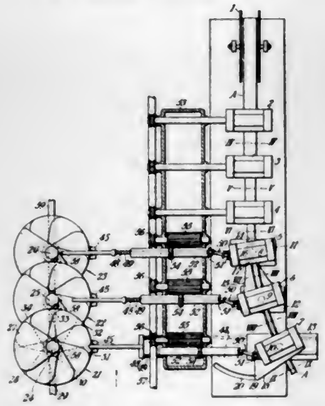
2. In a device for making a directly visible and intelligible marked record of the wave form of a varying electrical potential upon a movable record receiving surface, a movable record marking member having a marking element adapted to move freely over said record receiving surface, actuating means for said marking member comprising a piezo-electric crystal element deformable under the influence of an applied electric field, motion multiplying connecting means between said crystal element and said marking member for moving the marking member as a direct function of the motion of the crystal element, said marking member and connecting means providing so great mass loading of the electromechanical system that the first electromechanical resonant frequency of said system is substantially independent of the mass of the crystal element, circuit connections for applying an electric field of varying potentials and frequencies to said crystal element, means in said circuit connections presenting a resistive source of potential to said crystal element said resistive means dissipating the most energy at frequencies approximating the first electromechanical resonant frequency of the system comprising the crystal element and associated marking member and connecting means, whereby the record traced by said marking member is a substantially true recording of the wave form of the said varying potential for all frequencies up to and slightly surpassing the first electromechanical resonant frequency of the system comprising the crystal element and associated marking member and connecting means.

2,150,730
KNITTING MACHINE
Carl F. Schuessler, Chicago, Ill.
Application January 29, 1937, Serial No. 123,074
6 Claims. (Cl. 66—77)



1. In a knitting machine, a plurality of stitch-forming needles carried in a needle bed, some of said needles having low butts and some having high butts, a stitch cam adapted to depress said needles to a predetermined position, and a second stitch cam adapted to depress said high butt needles to a different predetermined position, the drawing of said needles to said different positions serving to produce tight and loose stitches, and means for moving one of said cams relative to the other whereby each of said cams depress needles to the same position.

2,150,731
METHOD OF AND MEANS FOR ROLLING CHANNEL OR LIKE SECTIONS FROM STRIP METAL
Charles Victor Smith, Weybridge, Surrey, England, assignor, by mesne assignments, to Vickers-Armstrongs Limited, London, England
Application June 27, 1938, Serial No. 216,106
In Great Britain October 5, 1937
9 Claims. (Cl. 153—3)



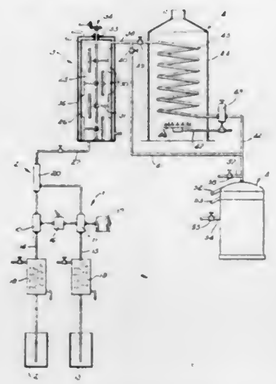
1. The herein described method of producing curved rolled sections from flat strip material which consists in feeding the strip through a series of rolls adapted to roll the strip progressively to the required section, and simultaneously moving at least some of the rolls transversely across the direction of travel of the strip and angularly to maintain the rolls approximately at right angles to an axis of the strip in all positions.

2,150,732
METHOD OF TREATING VEGETABLE OILS AND PRODUCT OBTAINED THEREBY
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application February 14, 1935, Serial No. 6,446
Renewed March 31, 1937
52 Claims. (Cl. 260—403)

1. The process of recovering phosphatides from vegetable oil which contains less than 5% of phosphatides, which comprises treating the oil with a reagent which will precipitate phosphatides, separating them from the oil, and purifying them.

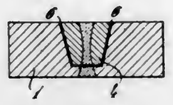
15. The process of recovering phosphatides from cotton seed oil, which comprises adding a reagent to the crude oil which will form a precipitate containing phosphatides, separating said precipitate from the oil and washing it with a sodium chloride solution to remove impurities from the phosphatides.

2,150,733
PROCESS FOR REFINING GLYCERIDE-TYPE OILS
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application July 2, 1937, Serial No. 151,702
28 Claims. (Cl. 260—425)



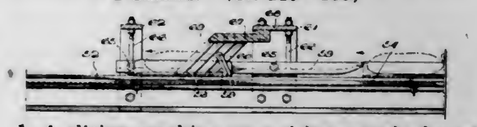
1. A process for refining glyceride type oils to remove impurities such as free fatty acids and color impurities, which process includes the steps of: forming a mixture of proportioned quantities of said glyceride type oil and an alkaline refining reagent capable of reacting very rapidly with said free fatty acids to form foots and used in excess of that amount theoretically required to complete reaction with the free fatty acids, the excess being available for reaction with said color impurities to produce a mixture containing oil, foots, color impurities and the excess of said refining reagent; introducing said mixture into a relatively wide stirring chamber and therein maintaining a relatively large volume thereof under such conditions of turbulence to maintain the foots uniformly distributed in the oil while avoiding turbulence in excess thereof and for a sufficient time and at a sufficient temperature to condition the mixture for the act of centrifugal separation and to effect substantial color reduction; flowing a stream of this conditioned mixture into a zone of centrifugal separation; and there separating the foots from the oil while applying heat to the zone of centrifugal separation sufficient to condition the mixture for said centrifugal separation.

2,150,734
DRAWING DISK
Herman Unckel, Finspong, Sweden
Application October 15, 1937, Serial No. 169,336
In Sweden September 8, 1937
7 Claims. (Cl. 205—29)



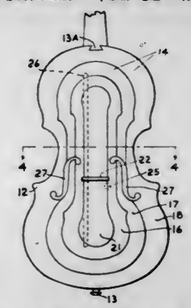
1. A die for wire drawing, consisting of a burned ceramic material containing from 60 to 98% of aluminum oxide, the remainder being substances capable of reacting with alumina to form china in the burning of the die.

2,150,735
MACHINE FOR LONGITUDINALLY AND TRANSVERSELY SLICING PICKLES AND THE LIKE
Ray D. Williams, Portland, Oreg., assignor to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine
Application August 3, 1937, Serial No. 157,181
4 Claims. (Cl. 146—163)



1. A slicing machine comprising a main frame including a horizontal top portion, a pair of rollers at opposite ends of the frame, a detachably coupled endless member trained around said rollers with its upper run movable above and along the top portion of the main frame, a series of carriers secured along said endless member for movement with the upper run thereof from the receiving to the discharge end of the frame, a frame rising from the main frame adjacent to the discharge end thereof, a motor supported by the latter frame and having geared connection with the roller at the discharge end of the frame, a combined guide and cutter frame including inverted U-shaped brackets detachably connected to the main frame at longitudinally spaced points near its discharge end and each having portions extending above and across the upper run of the endless member to bridge the moving carriers, guide rails each having upstanding and outstanding rods respectively extending through, and adjustably in connection with the top and side portions of both of said brackets to engage and effectively guide the successive carriers in their movement through the guide frame, the guide rails also forming bracing connections between the said brackets, a knife block detachably supported in said guide frame, and a plurality of blades connected to and depending from the knife block for cooperation with the carriers to slice articles carried by the latter, the carriers having vertically slotted upright walls, the slots of which register with the said blades.

2,150,736
STRINGED INSTRUMENT BODY
Harry S. Braman, Homer, N. Y.
Application October 20, 1937, Serial No. 170,019
4 Claims. (Cl. 84—275)



1. In a musical instrument of the viol class, a body member provided with an annular side wall and a laminated sounding board having plies cemented together and spanningly secured to one endless wall edge, said board comprising a centrally disposed flat crown ply having an elongated shape whose width straddles the long axis of the

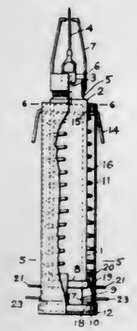
instrument and whose perimeter is relatively small with respect to the endless contour of said one edge, there being a plurality of truly flat plies interposed between the crown ply and the aforesaid edge and which plies are respectively similarly shaped into patterns of stepped perimetric sizes stacked in planiform relation with certain outer and inner ply perimeters arranged in overlapping relationship whereby to impart a simulated cross-sectionally arched profile to said sounding board that is virtually the equivalent in purpose to a breasted non-laminated sounding board of which the profile continuously increases in thickness toward the center region thereof.

2,150,737
GOLF CLUB
Charles Y. Chittick, Maplewood, N. J., assignor to The Kroydon Company, a corporation of New Jersey
Application September 6, 1930, Serial No. 480,053
8 Claims. (Cl. 273—80)



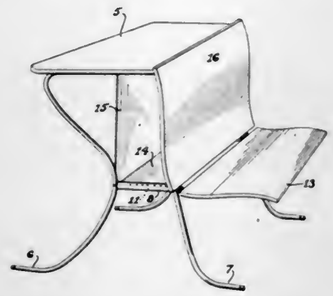
1. In a golf club, the combination with a head, of a fluted tubular metal shaft secured thereto comprising flutes each extending both longitudinally and circumferentially of the tube.

2,150,738
HYPODERMIC SYRINGE
Leonid A. Dunajeff, New York, N. Y.
Application October 29, 1937, Serial No. 171,609
5 Claims. (Cl. 128—215)



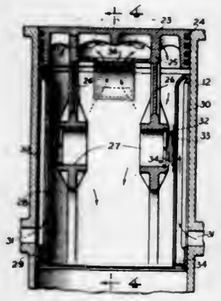
1. For a hypodermic syringe having a cylinder, a plunger and a needle on the front end of the cylinder, an attachment comprising a helical spring on the cylinder, means to releasably engage the front end of the spring to the cylinder at a desired point, means to releasably engage the rear end of the spring to the rear end of the cylinder thereby rendering the spring inoperative, and means to release the rear end of the spring, the rear end of the spring when released being adapted to engage the rear end of the plunger for withdrawing the latter from the cylinder.

2,150,739
SCHOOL DESK
Benjamin H. Durbin, New Albany, Ind.
Application April 4, 1938, Serial No. 199,795
5 Claims. (Cl. 155—3)



5. The combination of two or more school desks each having a top, back and seat, a tubular metal frame on each side of the desk to which the top and back are attached, said frame for each side of the desk comprising a pair of upright members connected by an integral transverse member at their tops and said upright members terminating at their lower ends with outturned tubular horizontal feet, of which the feet of one desk are adapted to contact with feet of the next desk of a row, and a threaded dowel pin screw-threadedly connecting the contacting feet.

2,150,740
AIR COOLED PISTON
Charles J. Hammersmith, Hollis, N. Y.
Application November 19, 1937, Serial No. 175,378
5 Claims. (Cl. 123—176)

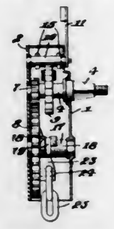


1. An improved air cooled piston comprising an inner skirt and an outer skirt concentrically arranged with respect to each other and forming an annular chamber therebetween, a head integrally formed at the top of said inner and outer skirt, a chamber formed in the head, passages connecting the annular chamber with the chamber in the head, means for permitting ingress of cooling fluid to the annular chamber and means connecting the chamber in the head with the interior of the piston.

2,150,741
MANUFACTURE OF PHTHALOCYANINE COLORING MATTERS SOLUBLE IN ORGANIC MEDIA
Archibald Alwyn Harrison and Henry Samuels, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 3, 1936, Serial No. 83,402. In Great Britain June 4, 1935
9 Claims. (Cl. 260—314)

1. The process of producing an alcohol soluble dyestuff, which comprises reacting a sulfonated phthalocyanine compound with an organic quaternary ammonium compound having an aliphatic radical of from 8 to 20 carbon atoms attached directly to the pentavalent nitrogen atom, and recovering the dyestuff salt thus formed.

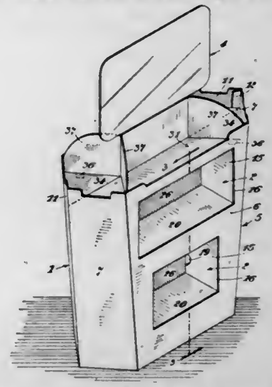
2,150,742
HAND BRAKE MECHANISM FOR RAILWAY CARS
James E. Lindeman, Evanston, Ill., assignor, by mesne assignments, to Champion Brake Corporation, Wilmington, Del., a corporation of Delaware
Application April 26, 1935, Serial No. 18,414
Renewed May 26, 1936
14 Claims. (Cl. 254—149)



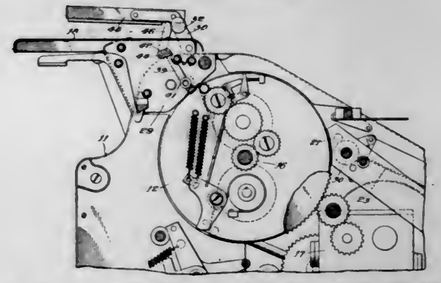
1. Hand brake mechanism for railway cars, comprising a housing, a vertically disposed operating wheel supported by said housing, and a brake chain operating wheel journaled within the housing formed from a single casting having gear teeth around its periphery, a shaft formed with a cross groove therein adjacent the outer face of the wheel, means for guiding a chain link to and within the groove, a box-like member within which the end link of the chain is secured, and means for transferring the braking strain from the outer side of the wheel to the said shaft.

2,150,743
DISPLAY DEVICE
Ralph J. Mancuso, Brooklyn, N. Y., assignor to Royal Mounters, Inc., Long Island City, N. Y., a corporation of New York
Application January 11, 1936, Serial No. 58,666
15 Claims. (Cl. 211—135)

1. A display device comprising front and back panels having side portions for foldably connecting said panels, at least one of said panels having a display niche, and means intermediate said front and back panels providing a back wall for the display niche, said means being foldably attached to one of said panels.



2,150,744
DUPLICATING APPARATUS
Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application December 24, 1935, Serial No. 55,969
7 Claims. (Cl. 101—132)

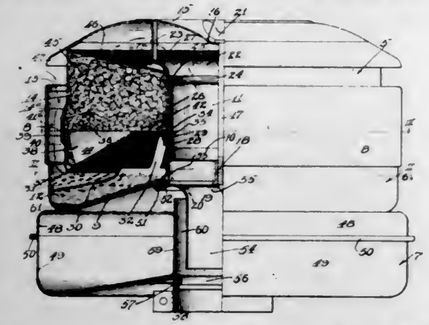


1. In a duplicating machine, a duplicating drum, means to rotate said drum, a duplicating band on said drum, a paper guide for guiding sheets to said drum, stripping means for stripping sheets from said drum, a platen roller adapted to press the sheets against the band on said drum, mounting means for said platen roller including spring means yieldingly pressing said roller toward the drum surface, means on the drum and the platen roller cooperating with said spring means to gradually lower the platen roller into position to press a copy sheet against the duplicating band as the drum is advanced, and manually operable means for lifting the platen roller away from said position at the will of the operator.

2,150,745
AIR CLEANER
Merritt A. Mieras and Theodore W. Hallerberg, Chicago, Ill., assignors, by mesne assignments, to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application July 23, 1936, Serial No. 92,080
2 Claims. (Cl. 183—15)

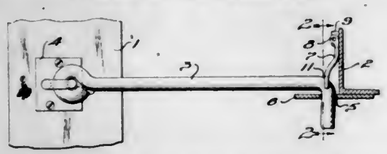
1. In an air cleaner, a casing having an inlet and means defining a central outlet opening through the bottom of the casing, said casing having a liquid sump therein around the outlet, a

filter element around the outlet above the sump, and an arcuate member around the inner end of



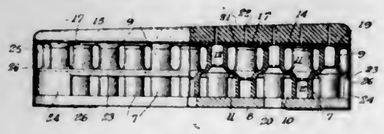
the outlet having a concave lower face defining a space above said filter element.

2,150,746
SIDESWAY BRACE
Sulo M. Nampa, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan
Application October 26, 1935, Serial No. 46,852
7 Claims. (Cl. 105—368)



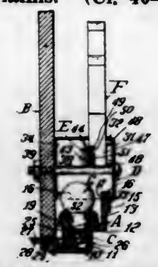
4. In combination, a pair of relatively movable members, a retaining device carried by one of said members and engageable with the other to prevent relative movement therebetween, a latch for holding said device in engaged position, means including said device and said latch to positively block release of said latch itself from its device holding position upon initial movement of said device towards disengaged position.

2,150,747
CUSHION
James N. Naulty, East Orange, N. J.
Application July 23, 1936, Serial No. 92,077
11 Claims. (Cl. 155—179)



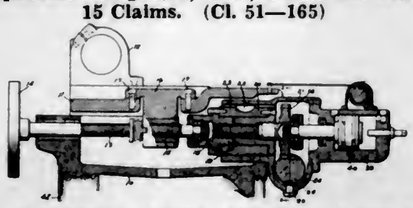
2. A cushion comprising a layer of relatively spaced tubular resilient column elements, a superposed layer of tubular resilient column elements in line with and operable in the spaces between said first column elements, and elastic webbing connecting the adjoining relatively offset ends of the columns of the two layers and having sufficient stretch to enable the columns of one layer to work past the relatively offset columns of the other layer, and elastic diaphragms within said adjoining ends of said column elements for restraining the radial expansion of said column elements occasioned by the lateral pull of said connecting webbing.

2,150,748
DISPLAY DEVICE
William S. Pearson, Park Ridge, Ill., assignor to Peerco, Inc., Park Ridge, Ill., a corporation of Illinois
Application August 22, 1938, Serial No. 226,065
4 Claims. (Cl. 40—130)



1. A display device comprising a shelf-like base adapted to bear against the fact of a support which face will serve as a light reflector, an electric lamp socket positioned within said base just forward of said face, an elongated metal face strip secured at its lower edge to the upper outer edge of said base and extending upward therefrom throughout its length a distance well above said lamp socket, a second meal strip held in place behind said face strip, at least one of said strips being of springy material, said strips pressing toward each other with a clamping action, and symbols having downward projections, which projections lie clamped between said clamping strips when the parts are in assembled position, said symbols in the finished structure standing out before said reflecting face.

2,150,749
FEED MECHANISM
Ralph E. Price, Harold E. Balsiger, and Conrad L. Ott, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation
Application August 6, 1936, Serial No. 94,704
15 Claims. (Cl. 51—165)

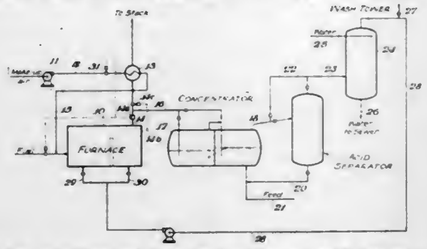


1. A grinding machine comprising a tool support, a fluid motor for providing a rapid positioning movement of said support, a second fluid motor for moving said support at a slow feeding speed, a source of fluid under pressure for said second motor comprising a plurality of pumps, a sizing device and means responsive to a change in size of a work piece for automatically varying the number of pumps supplying fluid under pressure thereto whereby to vary the rate of said feeding movement.

2,150,750
SULPHURIC ACID RECOVERY
Marvin C. Rogers, Frank G. Brueckmann, and Willard G. Roesch, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 5, 1936, Serial No. 114,346
6 Claims. (Cl. 23—171)

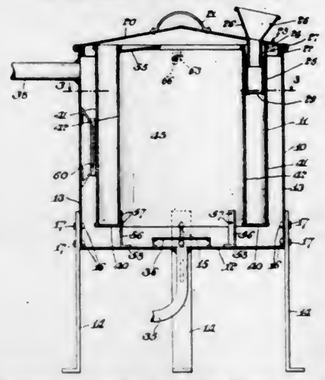
1. A process for concentrating sulphuric acid comprising heating a stream of gases in a furnace

zone, passing the greater portion of the heated stream of gases into contact with a body of acid in a concentrating zone, passing at least a portion of the stream of gases from said concentrating zone to a water removal zone, said last named stream comprising entrained water removed from the acid, entrained sulphur trioxide, sulfur dioxide, and other gases, removing at least the



major portion of the water from said gases, recycling at least a portion of said dehydrated gases to said heating zone, maintaining the temperature in said heating zone sufficiently high to reduce substantially all of the sulphur trioxide to sulphur dioxide and oxygen, venting a small portion of the gases leaving the furnace to the stack, and recycling the greater portion again through said concentrating zone.

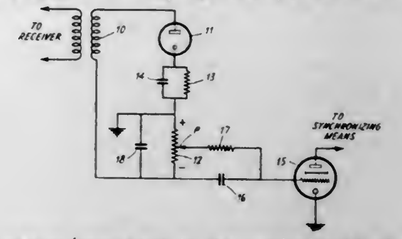
2,150,751
CREAM COOLER
John W. Sadler, Upper Darby, Pa., and Grover A. Blunt, Cedar Rapids, Iowa
Application September 10, 1936, Serial No. 100,128
4 Claims. (Cl. 257—195)



1. A cream cooling receptacle having an outer curved side wall and an inner curved side wall, said walls being spaced apart a predetermined distance, end walls connecting said side walls, said curved and end walls enclosing a cream receiving space substantially C-shaped in horizontal cross section, means for spacing and bracing said end walls, and a strip of material at the upper inner edge of said inner curved wall for protecting the cream receiving space from water ingress.

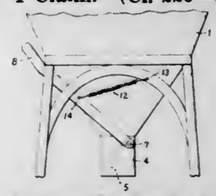
2,150,752
ELECTRICAL IMPULSE SEGREGATION CIRCUIT
Rudolf Schienemann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 8, 1936, Serial No. 104,589
In Germany September 21, 1935
4 Claims. (Cl. 178—69.5)

1. A circuit for separating video signals from synchronizing signals comprising means for rectifying said signals, a time constant circuit connected in series with said rectifying means, a load resistor joined in series with said time constant circuit and said rectifying means, a vacuum tube,



and means connected to the control grid of said tube and to said load resistor, said latter means being adapted to maintain the output current of said tube at a substantially constant value when said synchronizing signal reaches a predeterminable value.

2,150,753
BAGGER
Herman E. Weinstein, Saratoga Springs, N. Y., assignor to Simplex Baggers, Inc., a corporation of New York
Application October 21, 1937, Serial No. 170,228
1 Claim. (Cl. 226—58)



A bagger for free-flowing material comprising in combination, a hopper for receiving the material to be bagged, having a delivery spout at the bottom thereof, said spout having side walls, a shaft journaled in the walls of the spout, a valve in said spout comprising a flat plate fixed at one edge to the shaft and extending at an angle downwardly across the spout, a cutoff member mounted within the spout and having an arcuate surface, said cutoff member comprising an extension mounted on the wall opposite to and below the valve shaft, the free edge of the valve plate traversing the arcuate surface during operation of the valve, spring means for normally holding the free edge of the valve plate on said arcuate surface beyond the marginal edge thereof, the free end of the valve plate and the arcuate surface of the cutoff member cooperating during opening and closing of the valve to provide instantaneous flow and stoppage of flow of the material being bagged.

2,150,754
FIREPROOF CONSTRUCTION
Charley R. Williams, Chicago, Ill.
Application July 19, 1937, Serial No. 154,475
13 Claims. (Cl. 108—23)



1. In combination, a load carrying roof truss and means for rendering it fire resistant, said means comprising an enclosure of fire resistant

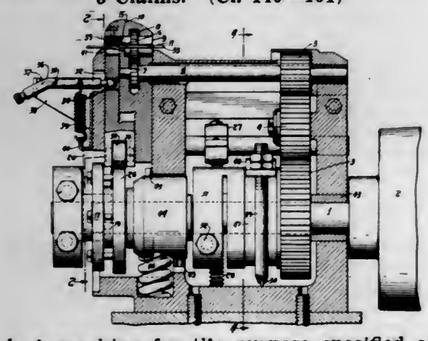
material for the sides and bottom of said truss, including side sheets of fire resistant material and a trough-like member covering the bottom of the truss and engaging and covering the bottom edges of the side sheets.

2,150,755

SPRING COUPLING MACHINE

Fred R. Zimmerman, Chicago, Ill., assignor to Nachman Springfilled Corporation, Chicago, Ill., a corporation of Illinois

Application October 28, 1937, Serial No. 171,489
6 Claims. (Cl. 140—101)



1. A machine for the purpose specified comprising a rotatable coiling head arranged to receive and rotate about a terminal coil of a spring, an opening in one end of said head adapted to receive an end portion of the terminal coil of another spring, means disposed adjacent to and spaced from the last-mentioned end of said head for engaging portions of the terminal coils of both said springs to maintain the same in predetermined relative positions, mechanism for imparting relative movement to said first-named means and said head for bending the portion of the first-named spring spanning the space between said means and said head, a shoulder on the last-named end of said head for engaging the terminal portion of the second-named spring as the latter is withdrawn from said opening during the rotation of said head for effecting coiling of said end portion about the bent portion of the other spring for completing the coiling operation, and power actuating means common to said head and said first-named means, and mechanism for actuating the same in predetermined order of succession.

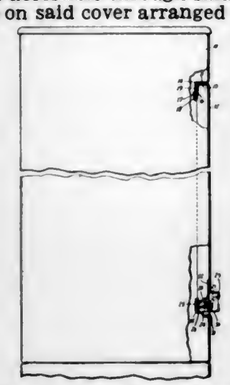
2,150,756

COVER STRUCTURE

Leo F. Berg, Chicago, Ill., assignor to Edison General Electric Company, Incorporated, Chicago, Ill., a corporation of New York

Application September 15, 1936, Serial No. 100,866
8 Claims. (Cl. 220—24)

1. A cover structure for a member having a normally closed opening comprising a cover having at one end an interlocking connection with said member when inserted in said opening and moved into its closed position, and the cover having an uninterrupted closing wall that closes substantially the entire area of said opening when the cover is moved into said closed position, the end of the cover opposite said one end being provided with a relatively small area formed outwardly from the plane of the cover so as to provide a relatively small opening through which access can be had back of said cover, a support on said member back of said opening, a screw in said support accessible through said opening, and a stop plate on said cover arranged to be engaged



by said screw when it is turned inwardly so that said cover is held by said screw in said interlocking relation with said member.

2,150,757

FILM DRIER

Howard O. Bodine, Wantagh, N. Y., assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application June 22, 1937, Serial No. 149,696
6 Claims. (Cl. 95—88)

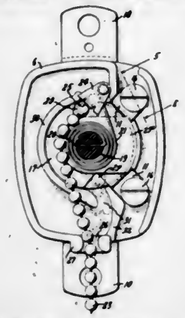
1. A rapid film drier containing as its three essential components a volatile low molecular weight aliphatic alcohol, an aliphatic polyhydric alcohol and an agent capable of hardening or tanning gelatine, said first alcohol being the predominant component of the composition any water-immiscible oil in the composition being present in very small amounts, said composition remaining homogeneous after extended use.

2,150,758

ELECTRIC SWITCH

George R. Brown, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application January 2, 1936, Serial No. 57,104
8 Claims. (Cl. 200—156)



1. In combination, a liquid contact circuit closer supported for rotation, pull operated means biased to an initial position, a connection between the circuit closer and pull operated means effective when the pull operated means is in its initial position whereby the circuit closer is rotated away from and back to its initial position in accordance with movement of the pull operated means, and means for effecting release of said

connection upon a predetermined rotation of the circuit closer whereby the circuit closer is independent of subsequent movement of the pull operated means toward and away from its initial position.

2,150,759

INSECTICIDAL AND FUNGICIDAL COMPOSITIONS

Roscoe H. Carter, Washington, D. C., dedicated to the free use of the Public in the territory of the United States of America

No Drawing. Application January 28, 1938, Serial No. 187,563
4 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

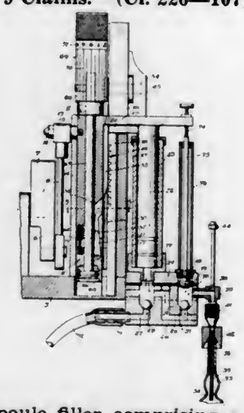
1. The composition of an insecticide with a compatible fungicide, said composition comprising a cuprous xanthate as its essential active fungicidal ingredient and a lower di alkyl xanthogen as its essential active insecticidal ingredient, in the approximate molecular ratio of two to one respectively.

2,150,760

AMPOULE FILLER

Frank Cozzoli, Plainfield, N. J.

Application January 28, 1938, Serial No. 187,361
9 Claims. (Cl. 226—107)



1. An ampoule filler comprising a filling tube, a pump having a reciprocating piston structure for forcing liquid through said tube, means for actuating said pump, said means including a prime mover, a reciprocating member, means actuated by said prime mover for reciprocating said reciprocating member, a reciprocating bar for moving said piston structure in one direction, means actuated by said reciprocating member for moving said reciprocating bar in one direction, and means actuated by said reciprocating member for moving said piston structure and said reciprocating bar in the opposite direction.

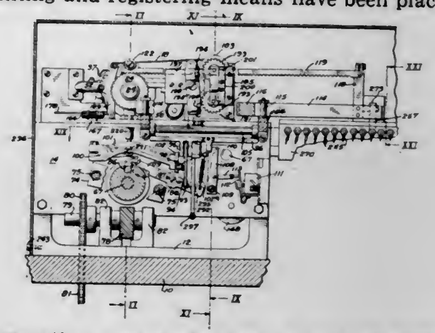
2,150,761

TICKET PRINTING AND ISSUING MACHINE

Harry G. Craig, San Francisco, and Alfred W. Pride, Oakland, Calif., assignors to Hancock Bros., San Francisco, Calif., a corporation of California

Application January 29, 1936, Serial No. 61,376
11 Claims. (Cl. 101—66)

1. In a ticket machine comprising printing means, registering means, and means for actuating the printing and registering means, a depressible operating lever for placing the driving means in operation, means for latching the operating lever in its depressed position until the printing and registering means have been placed



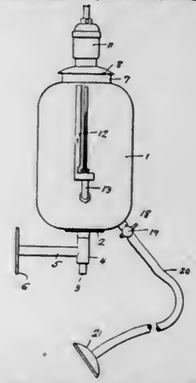
in operation, means releasing the latching means and retaining it in an inoperative position until the operating lever has been released, and means effective upon return of the operating lever to normal position to disable the retaining means.

2,150,762

ELECTRIC SHAMPOO CONTAINER

Judson T. Edwards and Crewdson Edwards, St. Louis, Mo., assignors to Frank Turshin, St. Louis, Mo.

Application August 28, 1937, Serial No. 161,512
1 Claim. (Cl. 219—45)



A device of the class described comprising a bracket for attachment to a wall, a container for liquids secured at its bottom to said bracket to be supported thereby in upright position and having a central filler opening in the top thereof surrounded by an upstanding flange, a lid having a top adapted to seat on said flange, and a depending skirt fitting into the flange, a tube threaded at its upper end into said top to depend into the container and to be removed with said top, an electric light socket threaded into the upper end of the tube to extend outwardly therefrom above said top, and a light bulb depending from the socket into the tube.

2,150,763

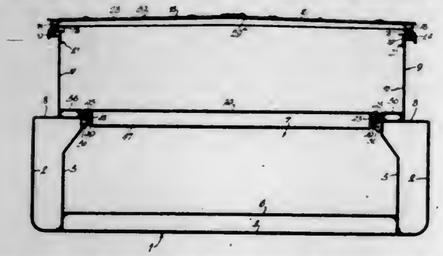
BARGE CONSTRUCTION

Harry C. Elliott, Cincinnati, Ohio, assignor to The Mississippi Valley Barge Line Company, St. Louis, Mo., a corporation of Delaware

Application April 20, 1936, Serial No. 75,310
5 Claims. (Cl. 114—26)

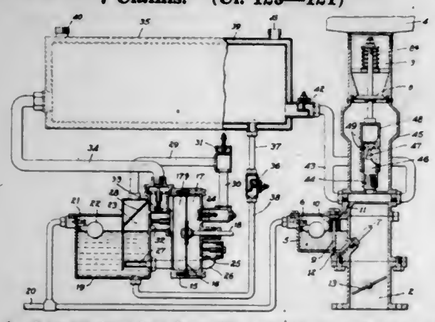
1. In a barge of the class described, comprising

a hull and walls upon the hull forming a deckhouse, the opposite side walls of the deckhouse respectively having a longitudinally channeled outwardly extending coaming providing a rail for translatable roof sections for the deckhouse, a plurality of successive roof sections collectively



forming a smooth load sustainable roof and having their relatively opposite ends overlapping the relative coaming rails and translatably supported thereon, and wheels journaled and encased within the extremities of said sections tracking upon said coaming rails.

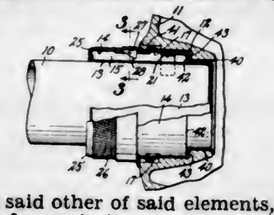
2,150,764
CARBURETOR
Alfred J. Farineau, Pittsburgh, Pa., assignor of one-fifth to Richard M. Kuhn and one-fifth to Ralph C. Corey, both of Pittsburgh, Pa.
Application October 27, 1937, Serial No. 171,256
7 Claims. (Cl. 123—121)



1. Apparatus for forming explosive charges for internal combustion engines and the like, comprising means for circulating air through a body of liquid fuel, means for withdrawing the mixture thus produced and placing it under pressure, means automatically operable when said pressure attains a predetermined degree for directing the compressed mixture into an air stream, and means for varying the volume of mixture supplied to the air stream in accordance with changes in air flow.

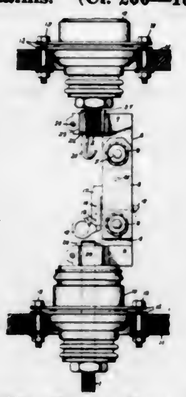
2,150,765
COUPLING
Axel Albert Forsberg, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application February 1, 1937, Serial No. 123,347
In the Netherlands February 10, 1936
4 Claims. (Cl. 285—174)

1. A detachable coupling for connecting two hollow, telescoping fluid conveying elements together including a latch member movably carried on the exterior of the inner of said elements and being projectable into engagement with the outer element, a releasing member movably carried on the exterior of said inner element and provided with an inclined surface movable against said latch member to retract the latter from engage-



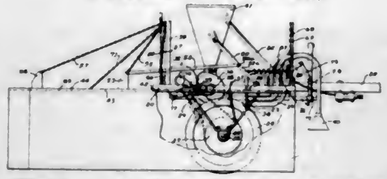
ment with said other of said elements, and resilient means for projecting said latch member and for returning said releasing member.

2,150,766
MOUNTING FOR ELECTRIC SWITCHES
Winton G. Harlow, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application August 3, 1938, Serial No. 222,872
8 Claims. (Cl. 200—162)



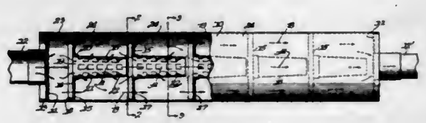
1. In a mounting for a disconnecting switch comprising a movable contact and a cooperating stationary contact for establishing a conductive connection between two spaced terminals which may be misaligned and one of which supports one of said contacts, means for adjustably positioning the other of said contacts on the other of said terminals to correct for lack of alignment thereof whereby to insure the correct registering action of said contacts comprising an eccentric mounting for supporting said other switch contact on said other terminal.

2,150,767
METHOD OF TREATING PLANTS FOR PARASITES
Daniel C. Helm, Sunbury, Pa., assignor to A. B. Farquhar Co., Limited, York, Pa., a limited partnership of Pennsylvania
Original application July 26, 1932, Serial No. 624,783. Divided and this application December 20, 1935, Serial No. 55,492
4 Claims. (Cl. 43—148)



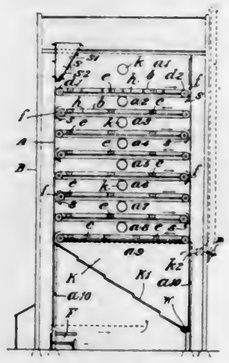
1. The process of treating plants which comprises forcing dust-laden air continuously in at the forward end of an inverted pliable-edged chamber and out at the lower rear of the chamber, dust-laden air being confined within the chamber as the chamber is moved over the field and being permitted to escape only adjacent the ground.

2,150,768
MUFFLER
Gale Holbrook Hedrick, Glenshaw, Pa., assignor to Maremont Automotive Products, Inc., Chicago, Ill., a corporation of Illinois
Application November 25, 1938, Serial No. 242,380
6 Claims. (Cl. 181—47)



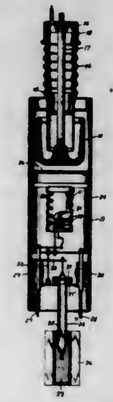
1. A muffler including a hollow body, said body having an inlet and an outlet at opposite ends, a plurality of stream forming and maintaining devices fixed in said muffler and each including a perforate member and a tapered nozzle with the nozzles disposed substantially in alignment and said perforate members extending transversely of the muffler body, one of said transverse perforate members forming with the wall of the body an expansion chamber, the perforate members and tapered nozzles dividing the gas introduced to said expansion chamber into a plurality of streams, one of which travels through said nozzles at a high velocity and has a low pressure and the other of which travels about said nozzles at a low velocity and has a high pressure, each tapered nozzle being of a length to substantially bridge the space between consecutive perforate members and there being openings between the reduced end of one tapered nozzle and the adjacent enlarged end of the succeeding tapered nozzle whereby the high velocity stream flowing through the nozzles will exert an aspirating effect upon the other stream.

2,150,769
MALT HOUSE
Henry James Hubert King, Nailsworth, England
Application August 4, 1936, Serial No. 94,154
In Great Britain August 8, 1935
2 Claims. (Cl. 195—128)



2. Apparatus for malting comprising a vertical malt house, a plurality of permeable endless band conveyors located within said malt house one above the other in the manner of floors, and each adapted to convey the grain in one direction and drop it onto the conveyor next beneath whereby it is conveyed in the other direction and so on, each conveyor consisting of an endless band running on two drums, a horizontal partition located between the upper and the lower run of each conveyor and extending to the peripheries of the two drums of said conveyor, each conveyor at its delivering end being spaced from the wall of the malt house to admit of the delivery of the grain onto the conveyor beneath, a pivoted element closing the space between said delivering end and wall while allowing passage of the grain, and means for passing individually controllable streams of air through the chambers constituted by said partitions and pivoted elements, said means comprising inlet means and outlet means for each chamber, one of said means being in the wall of the malt house between the partition and the upper run of the conveyor, and the other of said means being in the wall of the malt house above the upper run of the conveyor.

2,150,770
ELECTRICAL DISCHARGE DEVICE
Kenneth H. Kingdon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 26, 1937, Serial No. 122,381
6 Claims. (Cl. 250—27.5)

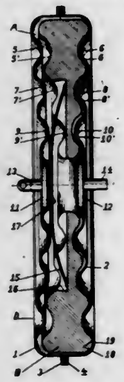


1. An electrical discharge device including a sealed envelope enclosing a quantity of condensible ionizable medium, electrodes including a separately heated cathode within the envelope adapted to be energized during the operation of the device, a cooling condenser outside the envelope for receiving excess ionizable medium, a connection between the cooling condenser and the interior of the envelope, a valve interposed in said connection, and means including a thermostatic element effective to open the valve upon energization of the cathode and to close the valve upon deenergization thereof.

2,150,771
SELF-COMPENSATING ANEROID
Paul Kolisman, New York, N. Y.
Application December 17, 1934, Serial No. 757,789
17 Claims. (Cl. 137—157)

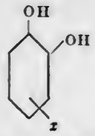
4. An aneroid device comprising a corrugated

flexible member defining a wall of an aneroid chamber, a filling of permanent gas within said aneroid chamber at less than atmospheric pressure, and means for determining the amount of said gas at the predetermined pressure within said aneroid chamber.



2,150,772
DYES
Werner Lange, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 19, 1937, Serial No. 169,803. In Germany November 4, 1936
10 Claims. (Cl. 260—148)

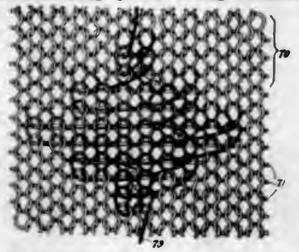
1. The process which comprises diazotizing an amino compound of the group consisting of amino azo benzene sulfonic acids and benzene azo amino naphthalene sulfonic acids, coupling the diazo compound in the absence of free inorganic acid with a hydroxybenzene compound of the general formula



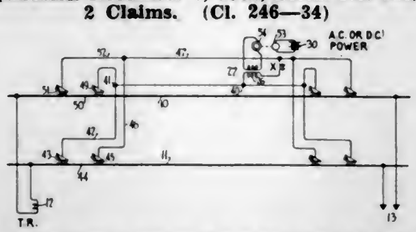
wherein x is a member of the group consisting of H and OH, and subjecting the dye thus obtained to an oxidation process with an oxidizing agent of the group consisting of air, hydrogen peroxide, manganese dioxide, potassium permanganate, bivalent copper salts and cuprammonium salts.

2,150,773
KNITTED FABRIC AND PROCESS FOR KNITTING THE SAME
John Lawson, Bristol, and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application January 23, 1933, Serial No. 653,150
9 Claims. (Cl. 66—180)

6. A plain knit fabric comprising a main web knit from a body yarn and having an ornamentally configured area with float skips of the body yarn across varying numbers of wales in successive courses of the fabric; and a plain knit fill-in web completely closing the ornamentally configured area, formed from contrasting yarn, said main and fill-in webs being connected only by interloopment of contiguous loops of the two yarns at the edges of the ornamentally configured area and the contrasting yarn being floated at the back of the fabric between opposite end loops of contiguous courses of the fill-in web.

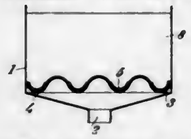


2,150,774
INDUCED SHUNTING
Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 7, 1932, Serial No. 646,103
2 Claims. (Cl. 246—34)



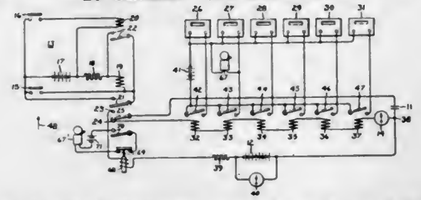
1. A shunting system for railway track circuits comprising, in combination with a rail vehicle, a first pair of contacts mounted on the vehicle and engaging one rail of said track, a second pair of contacts also mounted on the vehicle and engaging the other rail of said track, a first low impedance shunt conductor from one contact of said first pair to one contact of said second pair, a second low impedance shunt conductor from the other contact of said first pair to the other contact of said second pair, and a source of film breakdown voltage having one terminal connected to said first shunt conductor and having the other terminal connected to said other shunt conductor, whereby the rail film breakdown current from said source will normally divide in two parallel paths one of which includes the contacts of said first pair and the other of which includes the contacts of said second pair so that normally no appreciable potential will be impressed from said source across the two rails of said track.

2,150,775
ELECTROLYTIC CELL
Georg Messner, Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application September 15, 1936, Serial No. 100,798
In Germany October 4, 1935
4 Claims. (Cl. 204—58)



1. A cell for the electrolysis of aqueous saline solutions, by the malgam process, comprising a container, a substantially horizontally disposed diaphragm, an anode disposed below said diaphragm, electrically insulating and chemically resistant means for conducting a liquid, disposed above said diaphragm, and mercury serving as a cathode contained in said means, said means being so disposed and so constructed as to allow passage of the electric current between said mercury cathode and said anode.

2,150,776
TRAFFIC ANALYZER
Frank J. Moles, Ferndale, Mich., assignor to General Electric Company, a corporation of New York
Application March 14, 1935, Serial No. 11,086
10 Claims. (Cl. 235—92)

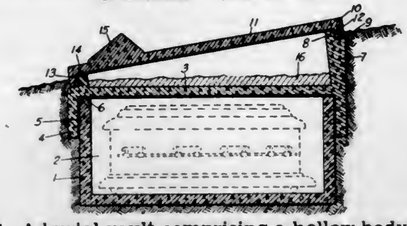


10. A traffic analyzer comprising a condenser, a source of current having a substantially constant voltage, a plurality of counting devices with controlling windings selectively responsive to different magnitudes of condenser discharge current for classifying traffic units according to their speeds, and means responsive to the passage of a traffic unit between two given points for connecting said condenser to said current source during the passage of the traffic unit between said points and discharging said condenser through said windings after the passage of the traffic unit.

2,150,777
ALKALINE COATING FOR SHEET STEEL
Weston Morrill, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 9, 1934, Serial No. 729,918
7 Claims. (Cl. 148—4)

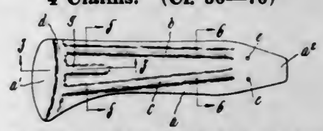
1. The method for improving the total watt losses in unpickled silicon steel which comprises applying a coating solution to the unpickled steel and thereafter drying the coated steel and annealing it, said coating having an alkaline reaction.

2,150,778
BURIAL VAULT
Claude R. Neff, Camden, Ohio, assignor to The Neff & Fry Company, Camden, Ohio, a corporation of Ohio
Application March 13, 1937, Serial No. 130,617
8 Claims. (Cl. 72—7)



1. A burial vault comprising a hollow body portion adapted to form a casket chamber, a lid mounted upon the upper end of said casket chamber, said lid having an upwardly projecting continuous flange, a top unit adapted to be disposed above said lid, said unit embodying a top member having a depending continuous flange, the depending flange of the top unit being disposed adjacent to and on the outside of the upwardly projecting flange of the lid and in cooperative relationship therewith so as to produce an air-seal between said flanges.

2,150,779
ARCH SUPPORT FOR SHOES
William H. Nickerson, Newton Center, Mass.
Application January 26, 1938, Serial No. 187,029
4 Claims. (Cl. 36—76)



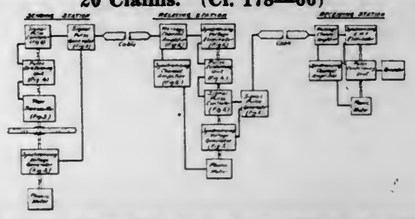
1. An arch support adapted to be built into a shoe consisting of a plate having spaced apart longitudinal stiffening ribs, a transverse stiffening rib near the forward end of the plate, and an additional stiffening rib extending from said transverse rib rearwardly between the longitudinal ribs first named.

2,150,780
ELECTRIC HEATER
Clifford A. Nickle and Gerald R. Brophy, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 18, 1936, Serial No. 111,404
2 Claims. (Cl. 201—66)



1. An electric heater comprising a casing, a resistance conductor in said casing, and a mass of heat-refractory and heat-conducting electrically-insulating material embedding said resistance conductor and supporting it in spaced relation with said casing formed mainly of magnesium oxide and having a minor quantity of boron nitride, the proportion of boron nitride in said mass being at least 1% by volume and not more than 25% by volume.

2,150,781
TELEGRAPH SYSTEM
Michael Idvorsky Pupin, deceased, late of Norfolk, Conn., by Varvara Pupin Smith, administratrix, Norfolk, Conn.
Application July 9, 1936, Serial No. 89,748
20 Claims. (Cl. 178—66)



1. In a telegraph system including synchronously operable sending and relaying units operatively connected by a communication channel, the method of signalling which comprises ef-

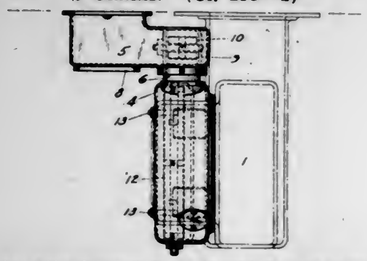
fecting continuous synchronization of the relaying and sending units by means of an alternating voltage impressed on said channel by the sending unit, superposing on said alternating voltage, the frequency of the signal pulse intervals bearing a definite ratio to that of the alternating voltage, controlling the operation of said relaying unit by the signals received during definite portions of the signal pulse intervals, and recreating signal pulses corresponding to those received during said intervals for retransmitting corresponding signals, the said recreated signal pulses having definite lengths substantially greater than the said portions of the signal pulse intervals.

2,150,782

ATTACHMENT FOR LIQUID FUEL BURNERS

Earl C. Vollmer, Rock Island, Ill., assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware

Application April 27, 1937, Serial No. 139,150
2 Claims. (Cl. 158—1)



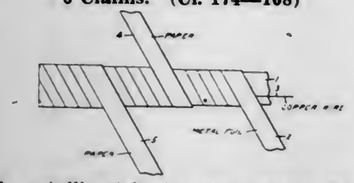
1. An attachment for a liquid fuel burner having an air-inlet and a fan housing and a fuel and air-delivery tube having its delivery end inserted into the combustion chamber of a furnace, said attachment comprising a housing to enclose the air-inlet of the burner, a chamber to be attached to a wall of the furnace over an opening in said wall and in communication with the combustion chamber of the furnace, a conduit connecting the housing to the chamber attached to the furnace wall, the housing having a main air-inlet and the chamber having an auxiliary air-inlet, and dampers in said air-inlets to regulate the amount of air admitted to the housing and the chamber, whereby to control the escape of products of combustion from the combustion chamber to the fan housing.

2,150,783

SCREENING FOR ELECTRIC CABLES

Hans Rist, Johannisthal, Germany, assignor to General Electric Company, a corporation of New York

Application August 25, 1936, Serial No. 97,829
In Germany September 9, 1935
6 Claims. (Cl. 174—108)



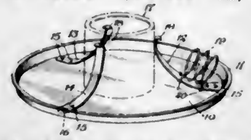
1. A metallic strip for electrostatic screening in electric cables, said strip comprising a core of non-conducting flexible material, a metallized foil wound over the core and an insulating layer provided over the metal foil.

2,150,784

RECEPTACLE AND BRUSH HOLDER

Frederick F. Roehm, New York, N. Y.

Application August 6, 1937, Serial No. 157,665
2 Claims. (Cl. 206—72)



1. A device of the character described, including a tray and a circular series of spring arms radially positioned relative to the center of the tray and having their outer ends affixed to the tray, the inner ends of said arms bowed upwardly and adapted to clamp a receptacle between them on the tray, one of said arms having a pivotal connection with the tray.

2,150,785

WELDING ROD

Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, New York, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application October 27, 1937, Serial No. 171,340
3 Claims. (Cl. 219—8)

1. A gas welding rod of nickel steel composition containing carbon 0.05% to 0.25%, manganese 0.25% to 0.65%, silicon 0.05% to 0.30%, nickel 0.75% to 1.90%, balance substantially all iron, the sum of carbon and manganese not over 0.80%.

2,150,786

METHOD OF PROTECTING ALKALI CYANIDES

Joseph H. Schmitt, Red Bank, N. J.

No Drawing. Application September 4, 1937, Serial No. 162,518
4 Claims. (Cl. 23—243)

1. As a new article of manufacture, cyanide crystals having a coating of hydrocarbon oil thereon which prevents contact of the air with the crystals.

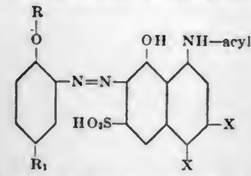
2,150,787

MONO-AZO ACID WOOL DYESTUFF

Carl Theo Schultis, Bergen, near Frankfort-on-the-Main, and Ernst Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 2, 1937, Serial No. 151,662. In Germany July 29, 1936
4 Claims. (Cl. 260—198)

1. Acid wool dyestuffs of the general formula:



wherein R stands for a member selected from the group consisting of aliphatic radicles and unsubstituted members of the benzene series, R_1 stands for a member selected from the group consisting of aliphatic radicles containing at least six carbon atoms and the cyclohexyl radicle,

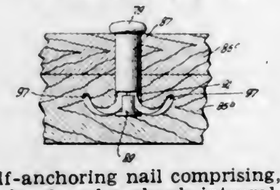
wherein R and R_1 together must contain at least 10 carbon atoms, one X means hydrogen and the other a sulphonic acid group, which dyestuffs dye the animal fibers reddish shades of a good fastness.

2,150,788

SELF-CLINCHING NAIL

Winsor Shippee and Carl C. Shippee, Red Bank, N. J.

Application October 5, 1936, Serial No. 103,956
2 Claims. (Cl. 85—26)



1. A self-anchoring nail comprising, in combination, a head and a shank integral therewith, the shank comprising a plurality of prongs extending the entire length of the shank, the said prongs being of sufficient strength and rigidity to enable them to be driven into a wooden work-piece, while being separable incident to their penetration into the work-piece, inwardly extending bevels on the prongs adapted to exert a separating and bending force on the prongs as they penetrate into the work-piece, and a separating member carried by said shank provided with diverging recesses for receiving the prongs and divergingly bending the prongs as the nail is driven into the work-piece.

2,150,789

PROCESS FOR COATING CEMENTITIOUS SURFACES WITH METALLIC LAYERS

George S. Smith, Oakland, Calif.

No Drawing. Application July 25, 1933, Serial No. 682,108. Renewed January 19, 1938
4 Claims. (Cl. 91—68)

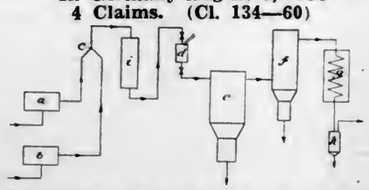
4. The process of producing a metallic coating on a cementitious surface which comprises applying to the surface a mixture of a solution of a caustic alkali and zinc dust with the latter in excess of that required to form a zincate, and after the film has set applying a solution of a salt.

2,150,790

METHOD OF PRODUCING HIGH QUALITY CARBON BLACK

Lajos von Szeszich, Frankfort-on-the-Main, Germany

Application July 30, 1935, Serial No. 33,824
In Germany August 9, 1934
4 Claims. (Cl. 134—60)



4. The method of producing high quality carbon black that involves the repetition of a cycle which comprises introducing into a chamber a fluid substance containing hydrocarbons with oxygen-containing gases to form an explodable mixture of homogeneous composition throughout, said mixture having an oxygen concentration of at least about 40% and sufficient to combust a substantial portion of the carbon present to oxides of carbon but being insufficient for complete combustion of said mixture, exploding said mixture in said chamber to form carbon black and residual gases, and removing said reaction products from said chamber immediately after the explosion to separate high quality carbon black therefrom.

2,150,791

GOGGLES

James W. Welsh, Providence, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island

Application February 15, 1938, Serial No. 190,546
1 Claim. (Cl. 2—14)



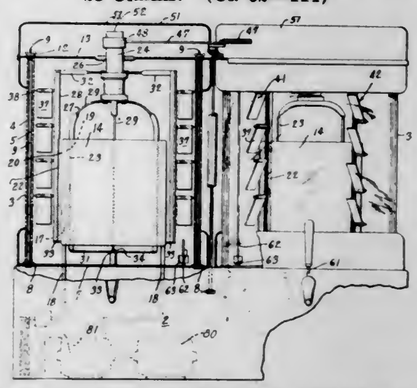
In a goggle having water tight eye cups, a flexible body portion for engaging the face about the eyes having eye cups with sight transparencies at the eyes, and a generally smooth inner surface, a plurality of spaced resilient ribs extending rearwardly from the inner surface of said body and completely about each eye cup, the outer of said ribs about each cup being of a greater depth or thickness than the inner rib and greater than any other portion along its extent at the location of the hollow of the face under the eye to extend into such hollow or recess of the face.

2,150,792

BEVERAGE DISPLAY AND MIXING MACHINE

Arnold F. Willat, San Rafael, Calif., assignor, by direct and mesne assignments, of one-third to Albert L. Jacobs, Pittsburgh, Pa., one-third to E. J. W. Keagy, Pittsburgh, Pa., and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application July 19, 1932, Serial No. 623,350
23 Claims. (Cl. 62—114)



1. In a mixing machine for preparing partially frozen liquids containing some solid particles, a receptacle for the liquid, a carrier member mounted to oscillate in the receptacle about a substantially vertical axis, and reversably positionable deflectors carried by said member

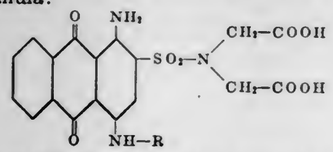
arranged to move through said receptacle to create a downwardly directed current and an upwardly directed current in the liquid therein as the carrier is oscillated.

2,150,793
DYESTUFFS OF THE ANTHRAQUINONE SERIES

Werner Zerweck, Ernst Heinrich, and Otto Trösken, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 4, 1938, Serial No. 193,916. In Germany March 5, 1937
3 Claims. (Cl. 260—372)

1. The dyestuffs of the anthraquinone series of the formula:

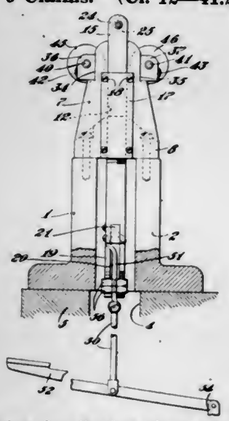


wherein R stands for a member selected from the group consisting of alkyl, cycloalkyl and aryl, aryl meaning a radicle of the benzene series, which dyestuffs yield on wool blue to green shades of good levelling power and good fastness properties.

2,150,794
MEANS FOR FLEXING SHOE SOLES

Albert F. Bancroft, West Newton, Mass., assignor to Bancroft-Walker Company, Boston, Mass., a corporation of Massachusetts

Application July 24, 1936, Serial No. 92,320
9 Claims. (Cl. 12—41.2)



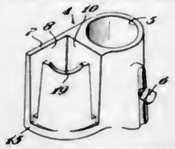
1. A machine for flexing shoe soles, comprising three spaced rolls each disposed in offset relation relative to the other two, two of said rolls being constructed and arranged to engage the grain surface of a sole and the other of said rolls being movable toward and away from a plane passing through the axes of the said two rolls, and means for rotating said other roll.

2,150,795
JOINT ARRANGEMENT

Louis I. Beckwith, Brookline, Mass.

Application December 2, 1937, Serial No. 177,733
2 Claims. (Cl. 211—135)

2. In a knock-down rack assembly, the combination comprising an upright, a metal bracket having an opening through which the upright extends and having a vertical wall extending substantially tangentially to said opening, the bracket providing a substantially vertical surface extending inwardly at right angles to the inner surface of the wall, and having a horizontal web extending between said surfaces and an

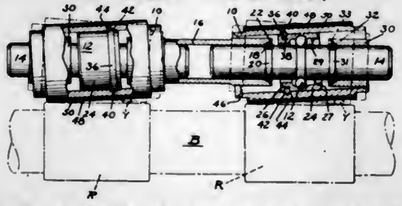


arcuate flange extending upwardly from said web with its ends in spaced relation to said surfaces to cooperate therewith in defining similar vertical slots, and a metal shelf having depending metal flanges extending at right angles to each other and received in said slots, each of said flanges being provided with indents yieldably fitted into said slots with a wedge-like action.

2,150,796
TOP ROLL

Rodger D. Brouwer and Thomas C. Delaval-Crow, Bristol, and Leland D. Cobb, Forestville, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 12, 1938, Serial No. 201,474
10 Claims. (Cl. 19—142)



1. In a device of the character indicated, a bearing having relatively rotatable inner and outer race rings, the outer race ring being also arranged for longitudinal rocking movement, a roll shell slidably mounted on the outer race ring, and means on the outer race ring for removably fastening the shell to said outer race ring for movement therewith; substantially as described.

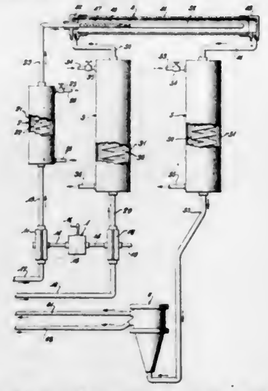
2,150,797
REFINING APPARATUS

Benjamin Clayton, Houston, Tex., Walter B. Kerrick, Los Angeles, Henry M. Stadt, Glendale, Calif., and Benjamin H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada

Original application August 14, 1933, Serial No. 685,130. Divided and this application November 8, 1937, Serial No. 173,523. Renewed January 16, 1939. In Great Britain March 25, 1933
12 Claims. (Cl. 87—12)

1. An apparatus for the refining of animal and vegetable oils comprising, in combination, a receptacle for containing an admixture of a refining reagent and said oils; a centrifugal separator; a conduit connecting the receptacle with the centrifugal separator; pumping means adapted to discharge a stream of said admixture through said conduit to said centrifugal separator under super-atmospheric pressure; a conduit for supplying a stream of oil to said receptacle for admixture with said refining reagent; heating

means, said heating means being constructed and arranged to heat the last-named conduit whereby to preheat the stream of oil passing through said last-named conduit before the same is ad-

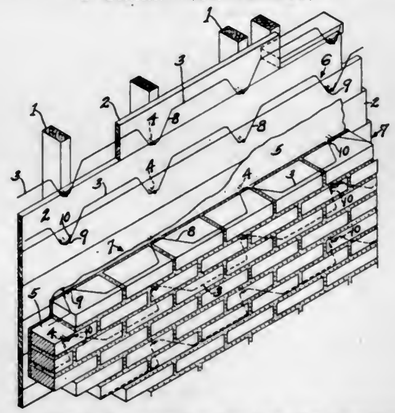


mixed with said refining reagent to a temperature sufficiently high to break any emulsion which may exist as a result of said admixture, whereby to condition the admixture for the act of centrifugal separation.

2,150,798
CONTINUOUS MASONRY TIE

Fred Nelson Crandall, Temple City, Calif.

Application April 29, 1935, Serial No. 18,849
1 Claim. (Cl. 72—103)

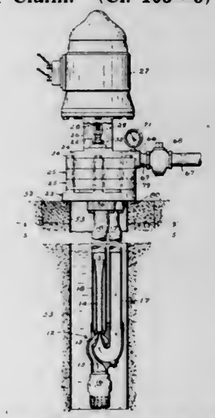


A continuous masonry tie for the continuous reinforcement and attachment of brick veneer to wood frame construction comprising a plurality of lapped wire units; each unit being provided with a return hook at its ends; each unit bent in a series of three sided angular loops; the adjoining sides of adjoining loops converging to short longitudinal straight portions at the points of attachment to wood frame construction that the distance between the outermost bends of adjoining loops is less than the length of one brick, to permit a superimposed and underlying brick to span the gap between said loops; and that the short longitudinal portions at points of attachment to wood frame are less than one half of the distance between the outermost bends of adjoining loops; that at each end of each unit the short longitudinal portion is continued and bent back horizontally to lie in the mortar joint parallel to the side of the adjoining loop, preserving longitudinal continuity from unit to unit, because of the hooked ends being lapped and attached to the wood frame.

2,150,799
PUMPING APPARATUS

Frank Jacuzzi, Berkeley, Calif., assignor to Jacuzzi Bros. Inc., a corporation of California

Application October 28, 1936, Serial No. 107,991
1 Claim. (Cl. 103—5)



In combination with an injector pump installed within a bored well to lift liquid from the well, a vertical shaft centrifugal pump supported to have its bottom extending across the top of the well bore and arranged to receive liquid from the well through the discharge pipe of the injector pump and comprising a casing having a base section providing an inlet passage at its bottom, intermediate and head casing sections providing similarly directed and mutually aligned cylindrical recesses opening at the lower ends thereof, similar members fittedly engaged in said recesses and recessed from the same sides thereof as the casing sections to provide cylindrical chambers therein opening at the corresponding section ends and each having a plurality of discharge ports directed tangentially from the periphery of its chamber through its lateral wall, runners simultaneously operative in said chambers and arranged to receive liquid axially thereof, means at the peripheral and upper exterior of each said member directly cooperative with the opposed walls of the member and the recess receiving it to provide independent passages for directing the liquid discharged from its ports toward the pump axis and to the next runner, means providing a discharge passage for the centrifugal pump in said head section, means providing a return-flow passage entirely within said casing and connecting the discharge passage with an outlet at the bottom of said base section, and a pipe within the well bore for connecting said outlet with the nozzle of the injector pump.

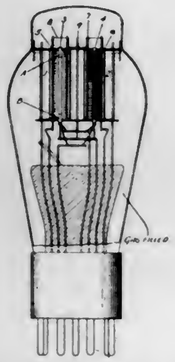
2,150,800
SHIELDED MULTIPLE DISCHARGE TUBE

John F. Jordan, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio

Application June 19, 1936, Serial No. 86,145
1 Claim. (Cl. 250—27.5)

In a gaseous glow-discharge oscillator tube designed for simultaneous use with a plurality of electrical oscillatory circuits, a gas filled envelope, a plurality of sets of discharge electrodes

therein, each set comprising a cathode of the heated type bearing a coating of electron emissive substance, a grid surrounding said cathode, and a plate surrounding said grid, the coated portion of said cathode being confined to an area thereof wholly between the end limits of



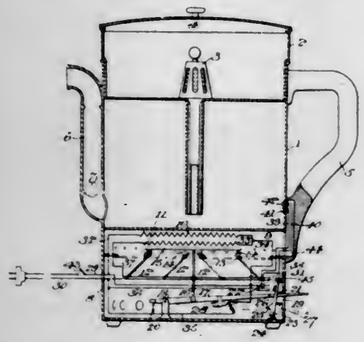
said plate and said grid being not longer than said plate, a concentric shield attached to and in electrical connection with said grid and extending beyond an end limit of said plate, and a conductive shield of greater area than a lateral projection of said sets of electrodes thereon, between adjacent sets of said electrodes.

2,150,801

ELECTRIC COFFEE MAKER

Clyde D. Keaton, Long Island City, N. Y., assignor to Stanley S. Tumbridge, Brooklyn, N. Y.

Application December 17, 1937, Serial No. 180,263
8 Claims. (Cl. 219—43)



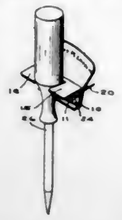
1. In an electric coffee maker, a casing having a heating chamber, a heating unit therein, said unit comprising a plurality of heating elements, a coffee pot, manually operated means for closing the circuit through the heating unit to give high heat in one of said elements, and automatic means controlled by the contents of the coffee pot for opening the circuit through the heating unit, and for thereafter closing the circuit through the heating unit to give low heat, said automatic means including a pair of spaced terminals in the coffee pot, a switch carried by the hand lever, a trip lever and an electromagnet for operating it.

2,150,802

ADJUSTABLE SUPPORTING BRACKET FOR TOOLS AND THE LIKE

Louis M. Latsch, Akron, Ohio

Application May 13, 1937, Serial No. 142,461
8 Claims. (Cl. 211—87)



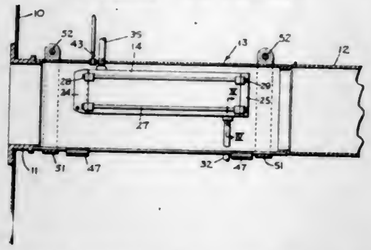
1. An article-supporting bracket comprising a pair of relatively slidable forwardly projecting jaw members each formed with a jaw portion and an attachment portion and rearwardly directed means for securing them in different positions with relation to each other to vary the spacing of the jaws, the two members being slidably interfitting and formed with registerable screw apertures and the securing means comprising a wood screw mounted in the registered apertures and holding the members against each other and securing them to a support.

2,150,803

HEAT EXCHANGE UNIT

Clarence A. Leidig, Buffalo, N. Y., assignor of forty-five per cent to Silas C. Wead, North Tonawanda, N. Y.

Application May 6, 1936, Serial No. 78,223
8 Claims. (Cl. 122—20)



1. A heat exchange unit comprising a unitary casing member having a plurality of longitudinally extending passages formed therein and in communication with each other, tubular members disposed in said passages and means for spacing the walls of the tubular members from the walls of the passages to provide a fluid conduit therebetween, fluid inlet and outlet ports in communication with said fluid conduit, means at each end of said casing member for closing said fluid conduits, said closure means having openings leading to the interiors of said tubular members and one of said closure members having a series of ports, and a conduit for introducing fluid fuel into said closure member for discharge through said ports.

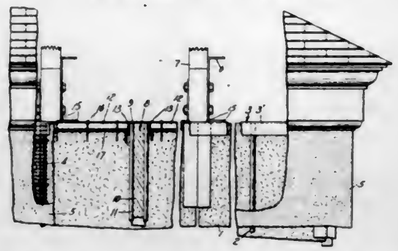
2. In combination with a furnace having a conduit for carrying off the gaseous products of combustion, a readily detachable flue section interposed in said conduit, means for adjusting the diameter of said flue section to fit said conduit, a heat exchanger having fluid passages therein and intake and outlet pipes communicating therewith and disposed in said flue section.

2,150,804

PREFABRICATED BUILDING

John Harry Magnuson, Harrisville, R. I., assignor to Austin T. Levy, Harrisville, R. I.

Application May 11, 1938, Serial No. 207,294
9 Claims. (Cl. 72—1)



1. In a prefabricated building, spaced cooperating wall structures having downwardly disposed flanges on the inner faces of the upper ends thereof, and spaced ceiling supporting furring bracing opposite flanges and fixed thereto.

2,150,805

METHOD OF PREPARING HALFTONE NEGATIVES WITH VARIABLE-DENSITY SCREENS

Charles Edmund Meulendyke, Rochester, N. Y.

No Drawing. Application May 5, 1937, Serial No. 140,985
2 Claims. (Cl. 95—5)

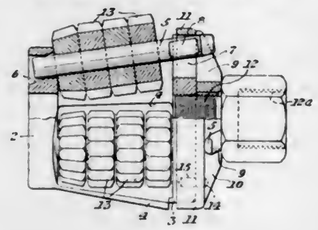
1. In the art of photo-mechanical printing, the method of producing a half-tone negative including the steps of passing a light image from a positive through a half-tone screen having uniform elements of variable density, passing the half-tone image thus formed through a uniform translucent layer which per se has light-diffusing properties, and impressing the resultant light image upon a suitably supported light-sensitive layer said screen, translucent layer, and suitably supported light-sensitive layer being in contact during the impression of the image on the latter.

2,150,806

TUBE CLEANER

John R. McDermet and Paul T. Keebler, Jeannette, Pa., assignors to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania

Application February 4, 1936, Serial No. 62,280
8 Claims. (Cl. 15—104.13)



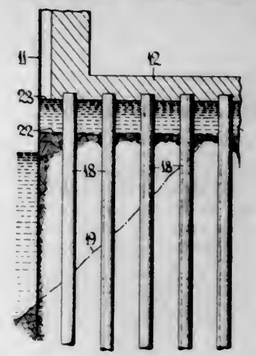
1. A rotary cleaner head having a longitudinal axis and guides, at least some of said guides inclining outwardly from radial planes containing the longitudinal axis of the head and outwardly in the direction of rotation of the head, pins outwardly-movably mounted in said guides, said guides being arranged to movably mount said pins in such a manner that the axes of said pins are askew with respect to a plane through the longitudinal axis of the head when said pins move outwardly in said guides, and cleaner elements operably mounted on said pins, said guides inclining outwardly in such a manner that longitudinal axes of said pins increasingly diverge with respect to the plane through the longitudinal axis of the head as said pins move outwardly in said guides and that the pins will move outwardly with respect to the head under centrifugal force set up by rotation of the head.

2,150,807

METHOD OF AND MEANS FOR PRESERVING PILING

Norman H. McLain, Buffalo, N. Y.

Application May 11, 1937, Serial No. 141,973
5 Claims. (Cl. 61—50)



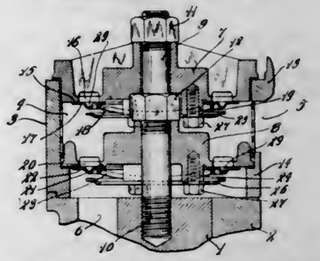
1. In a structure including piling extending through water of varying or receding level into earth beneath said water, a substantially liquid tight enclosure extending around said piling and upwardly from said earth for retaining liquid to a level different from that on the outside thereof, and liquid within said enclosure substantially covering the exposed surfaces of said piling.

2,150,808

VALVE MECHANISM

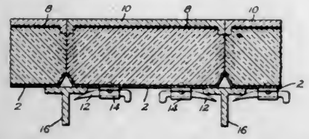
Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 1, 1935, Serial No. 24,569
5 Claims. (Cl. 251—119)



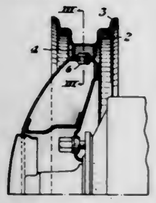
5. A valve mechanism comprising, in combination, a valve seat member, a valve cooperating therewith, a valve guard, and an annular valve spring arranged between said guard and valve comprising a single endless loop and of round radial section, and transversely bowed, said spring flattenable substantially to unit spring-stock thickness when the valve is unseated.

2,150,809
BUILDING BLOCK
Walter S. Rugg, Pittsburgh, and Henry D. James, Edgewood, Pa.
Application December 22, 1937, Serial No. 181,141
7 Claims. (Cl. 72—16)



1. As an article of manufacture, a building block for an exterior wall comprising a metallic pan, a layer of thermal insulating material covering the entire area of one side of said pan, a weather-resistant facing on said insulating material and spaced from said pan, and means for securing said pan, layer and coating in assembled relation to constitute a unitary structure; said layer of insulating material being substantially free of moisture and means sealing the edges thereof in moisture-tight manner.

2,150,810
METAL WHEEL RIM
Edwin E. Slick, Pittsburgh, Pa.
Application January 23, 1936, Serial No. 60,464
7 Claims. (Cl. 301—62)



1. A vehicle wheel comprising a wheel body member and a rim member, said body member having a substantially cylindrical peripheral flange, said rim member having integral hollow substantially cylindrical spokes extending from a radial inner portion thereof, said spokes being open at their outer ends and being closed by integral walls at their inner ends, said spoke walls being attached to said peripheral flange.

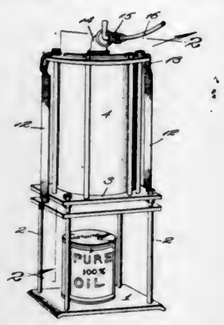
2,150,811
MUFFLER
Gail C. Starkweather, Kenmore, and Lucien L. Haas, Buffalo, N. Y., assignors to Buffalo Pressed Steel Company, Buffalo, N. Y.
Application March 10, 1937, Serial No. 130,158
8 Claims. (Cl. 181—55)

1. A muffler including an outer shell, heads closing the ends of said shell, one of said heads having an opening for receiving gases and sound waves, and the other head having a discharge opening, an intermediate shell connecting said heads and spaced from said outer shell, and an inner shell concentrically arranged within said intermediate shell and having one end arranged to receive gases and having the other end closed and being provided with apertures through which gases may flow into the space between said inner and intermediate shells, a transverse partition arranged intermediate the ends of said intermediate shell and separating one part thereof from another and also extending across said inner shell in rear of said apertures therein and forming the closure for said closed end of said inner shell, said intermediate shell having two sets of apertures, one located in advance of said partition and the other located in rear of said partition, means forming a concentric passage about said intermediate shell and connecting said apertures of said intermediate shell for conducting gases



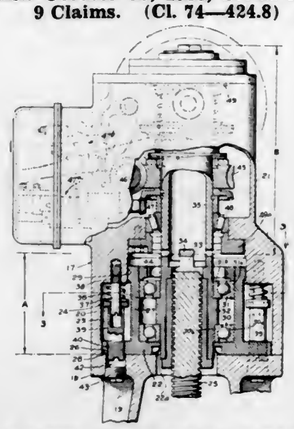
exteriorly of said intermediate shell from one set of apertures to the other, said outer shell and said intermediate shell forming between them a resonator chamber communicating with the interior of said intermediate shell for receiving pressure pulsations therefrom without forming a part of the flow passage of gases through said muffler.

2,150,812
PRESS
Frank C. Aukerman, Rapid City, S. Dak.
Application April 22, 1936, Serial No. 75,845
1 Claim. (Cl. 153—10)



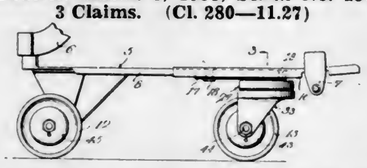
A press for destroying cans, comprising a substantially rectangular base providing an anvil for receiving a can, uprights secured to and rising from the corners of the base, a cylinder including an end plate providing a lower head therefor and secured to the upper ends of the uprights, an end plate providing an upper head for the cylinder, tie bolts between the plates for securing the upper head to its cylinder, a piston in the cylinder, a plunger rod secured to the piston and slidably mounted through the lower head, said lower head having exhaust openings therein, a substantially rectangular plunger head secured to the outer end of the plunger rod and having openings in the corners thereof to receive the uprights for slidable movement on the latter to cooperate with the anvil to crush a can, brackets secured to the upper head and extending in depending relation from diametrically opposite sides thereof, coil springs having their end convolutions secured to the brackets and plunger head respectively for holding and urging the latter upwardly in its normal position, a fitting threaded on the upper head and adapted to be in communication with a source of fluid under pressure for introducing said fluid within the cylinder to act upon the piston for disposing the plunger head in operative position, and valve means mounted on the fitting for controlling the fluid to and from the cylinder.

2,150,813
COMPENSATING DEVICE FOR VALVE CONTROL
Russell C. Ball, Philadelphia, Pa.
Application October 19, 1938, Serial No. 235,715
9 Claims. (Cl. 74—424.8)



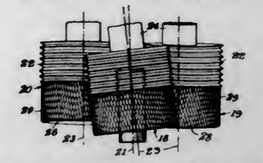
1. In a power driven control apparatus, such as a power controlled valve construction, a threaded actuating spindle therefor, operable between limits of longitudinal movements, one of which limits is fixed, and a base construction in which operates said spindle, mechanism for raising and lowering said spindle, comprising a rotatable nut member upon said spindle, the rotation of which nut member will raise and lower said spindle, a non-rotatable thrust member with respect to which said nut member rotates, said thrust member having rotation preventing association with said base portion and being bodily axially movable together with said nut member, said nut member having thrust transmitting engagement with said thrust member, spring means effective upon said thrust member to yieldingly restrain axial movement thereof and consequently of said nut member away from said base construction, said nut member, and spring pressed thrust member constituting a thrust responsive assembly; drive mechanism for said nut member comprising a housing fixed relative to said base construction and substantially superposed upon said thrust responsive assembly, and a rotary axially non-shiftable power driven member in driving engagement with said axially movable nut member.

2,150,814
ROLLER SKATE
Joseph Barbato, Cleveland, Ohio
Application March 8, 1938, Serial No. 194,682
3 Claims. (Cl. 280—11.27)



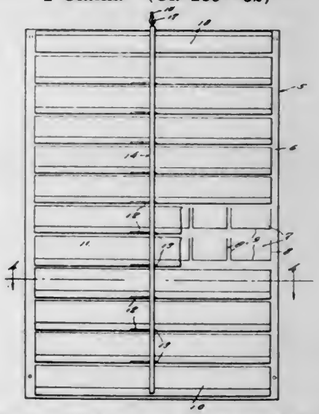
1. In a roller skate, a lengthwise adjustable carrier formed of selectively adjustable rear and forward parts disposed in overlapping relation, said parts having coacting means for releasably securing them together when adjusted, a stationary rear hanger depending from and fixed to the lower face of said rear part, a pair of rear wheels revolubly supported from said rear hanger, a pair of spaced parallel vertical pivots fixed to, depending from and located on opposite sides of the longitudinal median of said front part, a pair of spaced horizontally sidewise aligned cap members including tops encompassing said pivots axially thereof, said tops having inner faces below said forward part, a pair of spaced front hangers suspended from and revoluble about said pivots below said members and formed with upper faces, a pair of flatwise disposed discs encompassing said pivots axially thereof, said discs seated on said upper faces of said front hangers and extended within and spaced from said members, bearings positioned against the inner faces of the tops of said members and against the upper faces of said front hangers, said bearings interposed between said members and the edges of the discs and spacing said members from the front hangers, and a front wheel revolubly supported from each front hanger.

2,150,815
SCREW-THREADED STOCK AND MANUFACTURE OF SAME
Kornel Berger, Brooklyn, N. Y.
Application September 30, 1937, Serial No. 166,511
12 Claims. (Cl. 80—6)



1. As a new article of manufacture, a running thread nipple, composed of flat stock bent into tubular form with the edges in opposition but with an open seam between them and an external rolled screw thread extending the length of the nipple across said open seam.

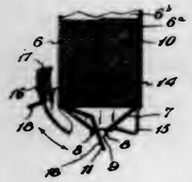
2,150,816
RADIATOR SHIELD
Clayton G. Blight, Buffalo, N. Y.
Application February 5, 1938, Serial No. 188,974
1 Claim. (Cl. 189—62)



A radiator shield comprising a flexible panel having struck therefrom a plurality of flexible flaps providing in the panel a plurality of ventilating slots opened and closed by hinging movements of the flaps relative to the panel, rigid

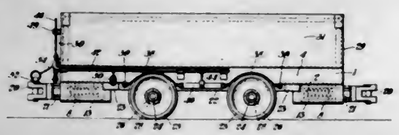
strips secured on the flaps, said panel being foldable on itself between the flaps and the strips carried thereby to permit easy insertion of the panel between a grill and a radiator, hook-shaped pins secured on the strips, a rigid connecting member extending across the flaps and including a flexible penetrable strip having the hook-shaped pins penetrating said penetrable strip for detachably and pivotally connecting the connecting member to said flaps, and an operating means connected to said member.

2,150,817
TOWEL CABINET
Milan James Boex, Green Bay, Wis., assignor to Northern Paper Mills, Green Bay, Wis., a corporation of Wisconsin
Application March 31, 1938, Serial No. 199,302
2 Claims. (Cl. 312—50)



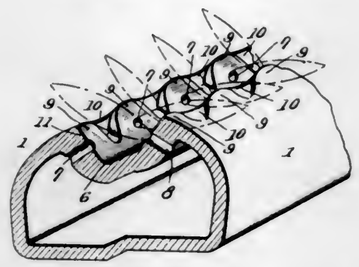
1. A towel cabinet comprising a body having a slot in the bottom thereof for receiving the projecting edge of a paper towel, a guard mounted to pivot on said body about an axis lying substantially in the vertical plane of said slot and normally occupying a position overlying said slot, said guard including a body curved substantially about the axis of movement thereof, and flanges carried by said body and extending between the latter and the walls of said cabinet body.

2,150,818
MINE CAR
Arthur Bramley, Scottdale, Pa.
Application September 24, 1936, Serial No. 102,421
1 Claim. (Cl. 105—364)



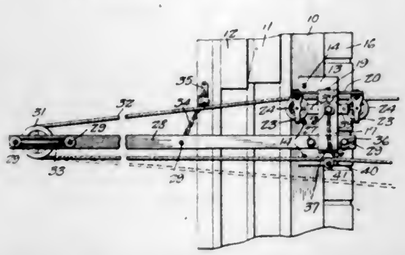
A car body for mine cars and the like comprising a planar central bottom-plate having its longitudinal edges bent upwardly therefrom to form sides, a longitudinally extending side angle-plate positioned on each side of said central bottom-plate with the edges of its horizontal portion secured to the upper edges of the upwardly bent longitudinal edges of said bottom-plate so as to provide outboard compartments, a plate arranged at each end of said bottom-plate and said side angle-plates and securely attached thereto to provide a complete body, a plurality of axle housings secured to the under side of said central bottom-plate intermediate the ends thereof, bumper boxes secured to the under side of said central bottom-plate at each end thereof, and a strengthening member secured to the bottom side of said central bottom-plate and extending between said bumper boxes whereby an integral connected car body unit is provided.

2,150,819
GAS BURNER
Isaac Vernon Brumbaugh, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application July 21, 1936, Serial No. 91,762
7 Claims. (Cl. 158—104)



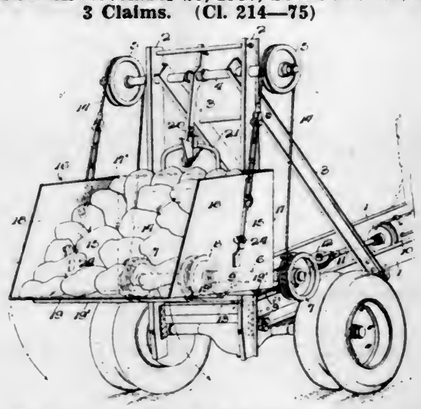
1. An article of manufacture comprising a gas burner having a hollow body portion provided with a depressed portion in its top thus forming two opposite walls, gas ports passing through the said walls and the gas ports of one wall extending towards the opposite wall and open-ended depressions formed crosswise in the said walls at points between the gas ports, the gas ports being out of line with each other crosswise the said body portion, the parts combined for the purpose set forth.

2,150,820
CLOTHESLINE EXTENSION
Frank Cavuoti, Richmond Hill, N. Y., assignor of one-half to Joseph Cavuoti, Richmond Hill, N. Y.
Application February 12, 1938, Serial No. 190,341
4 Claims. (Cl. 211—119.08)



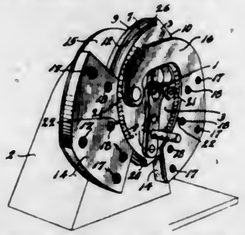
1. A clothes line extension comprising a supporting plate, a rectangular frame on said plate, said frame having a transverse member extending equally on opposite sides of the upper portion thereof, said transverse member having depending pulleys at its opposite ends over which the upper flight of an endless clothes line is passed, a transverse block secured on the lower portion of said rectangular frame and extending equally on opposite sides thereof, an extension arm pivotally mounted on the inner end portion of said transverse block and having a pulley at its free end over which the clothes line is looped, means for releasably supporting the intermediate portion of said extension arm on the window frame in the horizontally extended position of the arm, said transverse block and the adjacent end portion of the extension arm being apertured and a locking pin insertable in said apertures.

2,150,821
TRANSPORTING AND DUMPING VEHICLE
George R. Dempster, Knoxville, Tenn.
Application November 20, 1937, Serial No. 175,714
3 Claims. (Cl. 214—75)



1. In a transporting and dumping vehicle, the combination of a track or way, a container having a bottom and end and rear walls and an open front, a hinge pin around which said container turns to dump its contents, a bail connected to said hinge pin and extending above the back wall of the container, a spring in operative engagement with said bail and container whereby said spring is placed under tension when the container turns around said hinge pin in dumping, means for raising and lowering the container with its back wall sliding along said track or way, and a catch engaging and supporting said bail piece when the container is in elevated position.

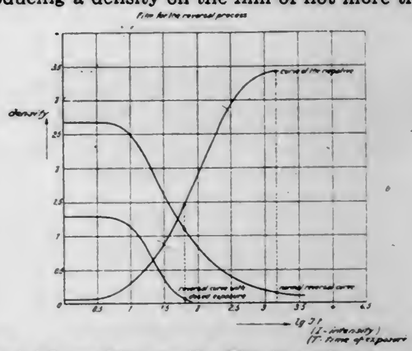
2,150,822
COUNTERBALANCING DEVICE
John F. Eaton, Tulsa, Okla., assignor to American Steel Derrick Company, Tulsa, Okla.
Application April 15, 1938, Serial No. 202,318
16 Claims. (Cl. 74—591)



1. In a counterbalancing structure of the class described, a rotatable body, and a counterbalancing weight disposed on the body at one side of the axis of rotation of the body and pivoted to the body at a point on the opposite side of the axis of rotation of the body and within the confines thereof, said weight being shiftable about its pivot toward and away from the axis of rotation of the body.

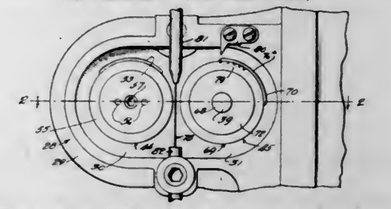
2,150,823
RECORDING SOUND PHOTOGRAPHICALLY
John Eggert, Leipzig-Gohlis, and Alfred Küster, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 26, 1934, Serial No. 708,506
In Germany January 28, 1933
6 Claims. (Cl. 274—46)

1. A process of producing photographic sound records on a moving reversal film having a $\gamma>1$ and provided with a silver emulsion which comprises modulating a beam of light in accordance with sound vibrations, projecting said beam of light on said reversal film, the maximum exposure producing a density on the film of not more than



about 1.8, working up the film in such a manner that after it has been treated according to the reversal method, the minimum density on the film corresponding with the maximum exposure is substantially equal to the density of the fog of the finished film.

2,150,824
FEED ROLL MECHANISM
Arnold Ferdinand Fischer, Astoria, Long Island, N. Y., assignor to Hobbs Sales & Service Station, Inc., New York, N. Y., a corporation of New York
Application April 8, 1938, Serial No. 201,017
10 Claims. (Cl. 140—131)



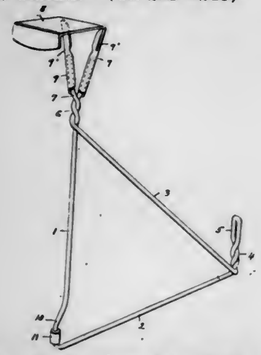
1. In a wire feed mechanism, a pair of oppositely revoluble wire feed roll structures, one including a tensioned carrier slidingly mounted therein diametrically thereof, said carrier being provided at one end with a wire gripper, the other of said structures including a non-tensioned, non-slidable, adjustable carrier having fixed thereto a wire gripper, said grippers being disposed in extended relation with respect to the outer periphery of said roll structures for coaction to intermittently feed during the revolving of said structures, successive lengths of wire to be acted upon.

2,150,825
ORGANDY
Florence M. Ford and Arnold Leroy Lippert, Wilmington, Del., assignors to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 10, 1936, Serial No. 105,084
5 Claims. (Cl. 8—118)

1. The process which comprises subjecting cotton goods to an acid bath containing sulphuric acid and phosphoric acid, the bath being composed of about 88% of sulphuric acid of 114° Tw.

and of about 12% phosphoric acid of 115° Tw., the bath being at a temperature of from about 20° to about 30° C. and the time of treatment therein being from about 18 to about 20 seconds, washing the acid treated goods, and thereafter mercerizing the goods with caustic soda.

2,150,826
GARMENT HANGER SUPPORT
Clarence L. Gill, Madison, Wis., assignor to Appliance Products Company, Madison, Wis., a corporation of Wisconsin
Application July 15, 1938, Serial No. 219,478
2 Claims. (Cl. 248—215)



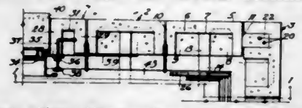
1. A device of the class described comprising a substantially triangular-shaped part formed of wire and including a vertical part, a horizontal part, and a diagonal part, the upper ends of the vertical and diagonal parts being twisted together with the ends above the twisted part diverging upwardly, a bracket formed of sheet metal of substantially inverted channel-shape and having one limb extended with its edges tapering downwardly and rolled for receiving the diverging ends.

2,150,827
PROCESS FOR PRESERVING CEREALS AND THE LIKE
Aquiles Argentino Ginaca, Buenos Aires, Argentina
No Drawing. Application January 11, 1935, Serial No. 1,434. Renewed January 23, 1939. In Argentina December 6, 1934
1 Claim. (Cl. 99—153)

A process for preserving materials such as cereal and the like, comprising the steps of placing the material to be treated in a storage chamber, uniformly distributing a gaseous mixture throughout the material so as to displace any air present, said gaseous mixture consisting of 1 to 10% oxygen, 1 to 5% hydrogen, and 98 to 85% carbonic gas, and maintaining the gaseous mixture in the chamber during the period of storage.

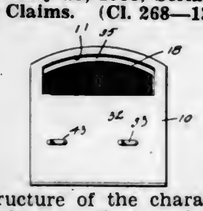
2,150,828
BUILDING BLOCK
Marshall Gochnauer, Washington, D. C.
Application September 3, 1937, Serial No. 162,367
8 Claims. (Cl. 72—39)

1. Wall construction including blocks laid in superposed courses, with the vertical joints between said blocks symmetrically staggered, so that the joint between two blocks comes adjacent the middle of a block in an adjacent course, said blocks each having bounding mortar flanges and having load bearing ribs on the back extending from the corners on one side to the middle on the opposite side and of greater depth than said mortar flange, the blocks being so arranged that the ribs on the adjacent blocks forming a ver-



tical joint align themselves diagonally with the ribs emanating from the middle of the block at the adjacent end of said joint, so that the ribs in the aggregate plurality of ribbed blocks in the wall form a latticed system of diagonal bracing.

2,150,829
ADJUSTABLE SCREEN AND WINDOW FOR AUTOMOBILES
Max Grishkevich, Gary, Ind.
Application May 28, 1938, Serial No. 210,773
2 Claims. (Cl. 268—133)



1. In a structure of the character described, a body formed to provide a window opening and a chamber lying beneath said opening, the lower part of the window opening forming a sill separating it from said chamber, said sill having a slot formed therethrough and extending the width of the opening, a closure member for the window opening, comprising a flat body of the same edge contour as the opening and adapted to be moved vertically through said sill slot into the window opening, a screw disposed vertically within the chamber at one side of said slot, a nut carried by said closure body and threaded upon said screw, said screw being supported for rotation, a spur gear carried upon the lower end of said screw, a beveled gear mounted adjacent the spur gear for rotation on an axis parallel with the screw, said beveled gear having radial teeth meshing with the spur gear, a second beveled gear in mesh with said first beveled gear and supported at one side of the screw for rotation upon an axis perpendicular to the screw, said second beveled gear having radial peripheral teeth forming a spur gear, a spur gear rotatably supported above and in mesh with the spur gear teeth of the second beveled gear, and crank means for rotating said second spur gear whereby rotary motion may be imparted to said screw to effect movement of the nut and closure body connected therewith.

2,150,830
METHOD OF ERECTING CONCRETE STRUCTURES
James Hallisy, Parma, Ohio
Application January 19, 1938, Serial No. 185,768
2 Claims. (Cl. 25—154)

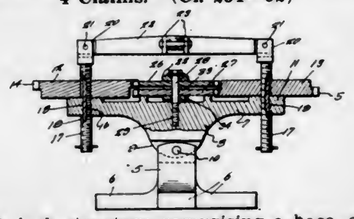
1. The herein described method of forming a structure consisting in erecting a channel member having flanges, in applying a second channel member of less length than the first mentioned channel member with its flanges applied to the flanges of said first channel member at the lower end thereof, pouring plastic composition between

the said channel members, moving the second channel member from the poured plastic composition after it is set and securing it in place with respect to the first channel member at a greater



elevation, and pouring a second section of plastic composition and progressively moving the second mentioned channel member with relation to the first channel member until the element of the building being formed is completed.

2,150,831
JACK
David Everett Haney, Minor Hill, Tenn.
Application September 17, 1938, Serial No. 230,481
4 Claims. (Cl. 254—92)



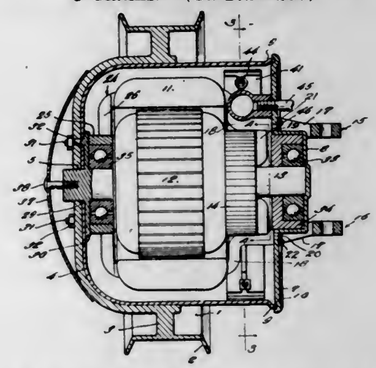
1. A jack structure comprising a base, a horizontal beam, means supporting the beam on the base, a lifting bar, screw shafts extending from the ends of the bar and slidably disposed through the ends of the beam, a sliding connection between each end of the beam and the corresponding screw shaft, gears through which the screw shafts are threadedly disposed, a ratchet wheel engaged with each of the gears, a swingable operating member, a pair of pawls on the operating member, and means whereby one pawl will operate on one of the ratchet wheels when the operating member is swung in one direction and the other pawl will operate on the other ratchet wheel when the operating member is swung in the opposite direction.

2,150,832
MANUFACTURE OF TERTIARY AMINE OF THE DIMETHYL ANILINE TYPE
Walker M. Hinman, Winnetka, and Walter G. Hollmann, Chicago, Ill., assignors to The Frederick Post Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 8, 1937, Serial No. 124,664
31 Claims. (Cl. 260—577)

10. The improved procedure for carrying out a reaction which forms a tertiary amine by a relatively slow condensation of one mol of a primary aromatic amine with two mols of a hydrocarbon halide having the halogen attached to an aliphatic carbon atom, in which condensation of two hydrocarbon radicles replace the two amino hydrogens of the primary amine with the resulting formation of hydrohalogenic acid which comprises subjecting said materials to reaction in a mass, interrupting the condensation one or more times, and at each time applying to the reacting mass a solution of a neutralizing inorganic alkali for the hydrohalogenic acid to form an inorganic halide salt in solution, separating the solution from the reacting ingredients, and continuing the reaction, whereby each removal of formed acid hastens the reaction toward completion and renders all of the primary amine available for the condensation.

12. The process of claim 10 in which inert solvent selected from the group consisting of inert hydrocarbons, inert ketones, inert mono and polyhydric alcohols, inert high boiling ethers, excess of the reactive hydrocarbon halide, and neutralizing tertiary amine, is present during the condensation whereby to accelerate the condensation, and whereby to render the formed amine hydrohalide subject more quickly to neutralization by said alkali solution.

2,150,833
MOTOR WHEEL UNIT
Wayne A. Hockett, Waseca, Minn.
Application November 30, 1937, Serial No. 177,306
3 Claims. (Cl. 172—287)



1. In a structure of the class described, a wheel having a hub like housing extending axially therefrom and closed at the front end thereof, a cylindrical shell fitted into and fixed to said housing and extending rearwardly therefrom, a cap plate fitting over and closing the rear end of the shell, a cage-like frame extending through said plate into said shell and having the plate fixed thereto, a motor stator fixed to said frame in said shell, and an armature shaft fixed at an end to said shell and housing and having its other end journaled in said plate.

2,150,834
SOUND RECORD AND METHOD OF MAKING SAME
Gilles Holst and Jan Hendrik de Boer, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 13, 1937, Serial No. 125,653
In Germany February 17, 1936
6 Claims. (Cl. 274—46)

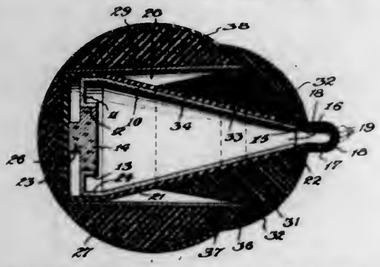
1. A method of photochemically forming an optically-reproducible sound record on a thin

transparent support, comprising the steps, sensitizing the support with a diazonium compound, selectively exposing the sensitized support in ac-



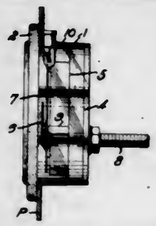
cordance with the sound to be recorded to decompose the diazonium compound at selected portions of the layer, and forming a metal image of said selected portions with a metal salt.

2,150,835
NURSING DEVICE
Antonina M. Kazimirow, Shanghai, China
Application March 3, 1938, Serial No. 193,784
3 Claims. (Cl. 215—11)



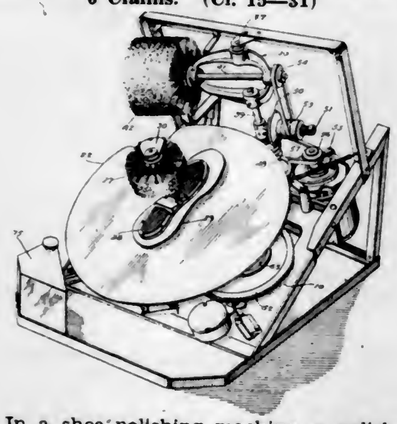
1. In a nursing device, a conical shaped bottle having an opening at the apex thereof, a sponge rubber member having a conical shaped central opening and a body portion covering the tapered end of the bottle, said member having a spherical shaped exterior surface, a layer of smooth silky rubber covering the exterior surface of said member, and a nipple attached to the open end of the bottle and extending through the central opening of said member so as to project beyond the spherical surface.

2,150,836
ELECTRICAL MEASURING INSTRUMENT
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application February 27, 1937, Serial No. 128,266
4 Claims. (Cl. 73—151)



1. A measuring instrument comprising an instrument movement including a pointer movable over a scale plate, and a casing for housing said instrument movement, said casing including an opaque flange for the flush mounting of the casing on a panel and a cylindrical section of a transparent organo-plastic surrounding the scale plate, whereby said scale plate may be illuminated by a light source exterior to said casing.

2,150,837
SHOE POLISHING MACHINE
John J. Magnuson, Waynesboro, Pa., assignor to The Magnus Automatic Machine Company, Incorporated, Waynesboro, Pa., a corporation of Delaware
Application May 27, 1936, Serial No. 82,100
6 Claims. (Cl. 15—31)



1. In a shoe polishing machine, a polish-applying brush, a container, a measuring pump discharging to the brush and a second pump having its intake connected to the container, said second pump having a greater capacity than said measuring pump and discharging to the intake of the measuring pump and to the upper end of the container.

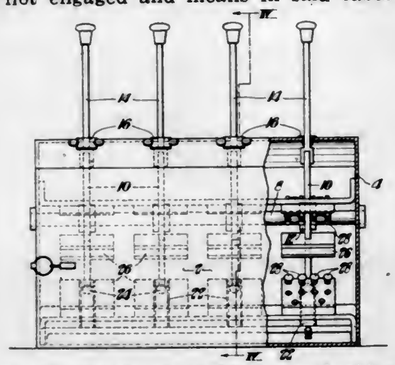
2. In a shoe polishing machine, a polish-applying brush rotating in a given direction, an arcuate shield contacting the periphery of the brush, an annularly-extending rib on the brush-confronting face of said shield and of increasing width in the direction of rotation of the brush, and means delivering polish to the rib surface at the smaller end of the rib.

6. In a shoe polishing machine, a stationary spindle, a mechanical assembly including a polishing brush support rotatably mounted on the spindle and combining therewith to define an annular cavity about said spindle, the spindle and support having bearings interposed at or near their extremities and said bearings defining the end limits of said cavity, a brush eccentrically mounted on said support, a delivery conduit connecting said cavity and said brush, and a force pump supplying polish to the brush through said cavity.

2,150,838
MECHANICAL INTERLOCK MULTIPLE APPARATUS CONTROLLER
James N. McClure, Monongahela, Pa.
Application March 1, 1937, Serial No. 128,520
10 Claims. (Cl. 200—50)

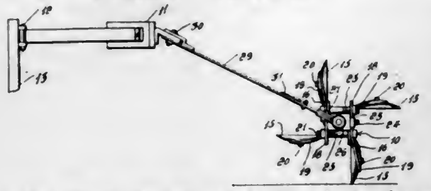
1. Apparatus for mechanically preventing more than one of a plurality of correlated pieces of apparatus from operating at one time, said apparatus comprising a support, members having slots therein pivotally mounted on said support, means for moving said members, means positively positioning said members in a plurality of positions and limiting their movement to a predetermined arc, contact means secured adjacent said support, contact means carried by said members and adapted to engage with said first named contact means when said members are in certain of their fixed positions to control said apparatus, aligned

tubes spaced apart and positioned so that said slots in said members engage with the space between said aligned tubes when said contact means are not engaged and means in said tubes per-



mitting the engagement of but one of said second named contact means with said first named contact means by locking the remainder of said slots in engagement with the spaces between said tubes.

2,150,839
DEPRESSION-FORMING AGRICULTURAL IMPLEMENT
Oscar E. Miller and Gustaf E. Miller, Stratton, Nebr.
Application February 24, 1938, Serial No. 192,360
4 Claims. (Cl. 97—52)



1. A basin-forming agricultural implement comprising a rotatable body, said body having a group of spades, said body having a second group of spades, the spades of one group being alternated with respect to the spades of the other group, said spades being concave discs, and means mounting the discs for rotatable adjustment when an edge portion becomes dull.

2,150,840
SIGNAL DEVICE
Joseph W. Myers, Philadelphia, Pa., assignor, by mesne assignments, to Proctor & Schwartz Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 10, 1935, Serial No. 15,705
4 Claims. (Cl. 177—311)

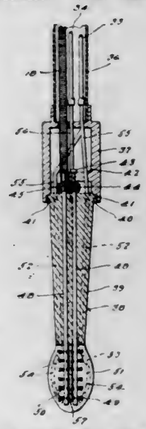


1. A signal device for indicating the interruption of an electrical circuit, comprising a sound-emitting member, a runway adjacent said member, a freely movable magnetic member adapted to traverse said runway to strike said sound-emitting member, said runway being formed to prevent said magnetic member from lying against said sound-emitting member, and energizable electrical means included in said circuit and disposed above said runway to draw said magnetic member against the influence of gravity away from said sound-emitting member, whereby said magnetic member moves gravitationally and traverses said runway to strike said sound-emitting member when the circuit is interrupted.

2,150,841
PROCESS OF NORMALIZING HOT PRESSED PLYWOOD
James V. Nevin, Aberdeen, Wash.
No Drawing. Application April 2, 1938, Serial No. 199,585
4 Claims. (Cl. 34—24)

1. The method of normalizing hot pressed plywood panels composed of a plurality of bonded-together wood plies with adjoining plies having the grains thereof running at an angle to each other which comprises placing the panels while still in a heated condition from the hot pressing plywood operation into a humid, heated atmosphere until the panels absorb an appreciable amount of moisture and then slowly cooling the panels before removing the same from said heated atmosphere.

2,150,842
MOTORIZED FOUNTAIN-TYPE TOOTH BRUSH
Thurman Boyce Oliver, Athens, Ga.
Application December 10, 1936, Serial No. 115,222
1 Claim. (Cl. 15—24)



As a component part of a structural assemblage of the class described, a tooth brush unit including a handle terminating at one end in a shield-shaped guard and fountain forming head, said head being provided with apertured fluid delivery passages, the handle having passages cooperating therewith, an additional passage in said handle to carry off waste material, an apertured nozzle connected with said additional passage and underlying said head, a pair of shafts mounted for rotation in the handle and having end portions projecting beneath the head on opposite sides of said nozzle, and brush bristles carried by said projecting shaft-ends in the manner and for the purposes described.

2,150,843
WARP HOLDER FOR HAND-DRIVEN WEAVING LOOMS
Alice Henriques Raba and Georges Henriques Raba, Paris, France
Original application February 3, 1937, Serial No. 123,938. Divided and this application November 8, 1938, Serial No. 239,542. In France February 5, 1936
3 Claims. (Cl. 139—93)

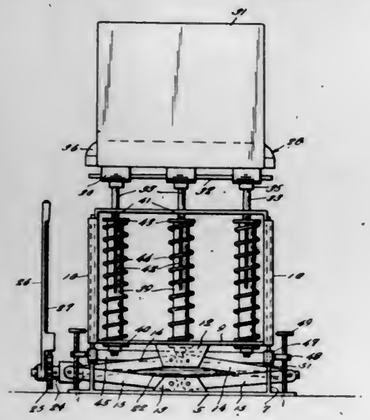
1. Warp holders for hand-driven weaving

looms, formed from metallic U-shaped hooks between the branches whereof the chain thread to be raised is inserted, the ends of said branches being shaped as open hooks to fit on the round



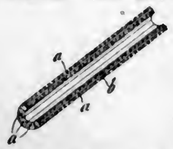
transverse spindles of a warp carrier, the said warp holders being in this manner free to pivot and to swing about said spindles, and said warp holders facilitating the sliding movement of the chain threads.

2,150,844
ADJUSTABLE RESILIENT SEAT
Albert F. Raders, Freeport, Ill.
Application August 20, 1937, Serial No. 160,163
1 Claim. (Cl. 155—52)



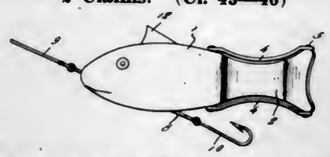
In a seat of the class described, a frame including a lower plate, a rectangular-shaped upper member, uprights connecting the plate and member together, said plate and rectangular-shaped member having a row of spaced holes adjacent each end thereof, the holes in the plate being aligned with the holes in the member, tubular members, bolts connected at the lower ends of the tubular members and passing through the holes in the plate, nuts engaging said bolts for holding the same in the holes of the plate, two rows of vertically arranged rods passing through the holes in the rectangular member and into the tubular members, a strap connecting the upper end of each rod of one row with a corresponding rod of the other row, said straps being connected with the upper ends of the rods, each tubular member having a longitudinally extending slot therein, a pin carried by each rod and engaging the slot therein, a washer slidably arranged on each tubular member located under the pin and a coil spring surrounding each tubular member and having one end bearing against the bottom plate and its other end engaging the washer and a strap connecting the upper ends of each row of rods together.

2,150,845
METHOD OF MANUFACTURING WALL AND LIKE PLUGS
John Joseph Rawlings, London, England, assignor to The Rawlplug Company Limited, London, England
Application September 22, 1937, Serial No. 165,179
In Great Britain October 8, 1936
1 Claim. (Cl. 154—2)



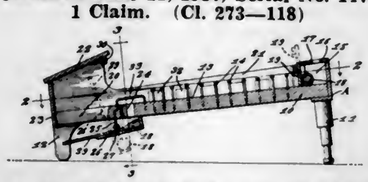
A method of manufacturing wall plugs, consisting in coating a plurality of thin metal wires with asbestos fibres and thereafter uniting the wires together in a tubular structure by means of a solution of sodium silicate and heating the plug tbus formed.

2,150,846
FISH LURE
George B. Rayburn, Los Angeles, Calif.
Application May 26, 1938, Serial No. 210,232
2 Claims. (Cl. 43—46)



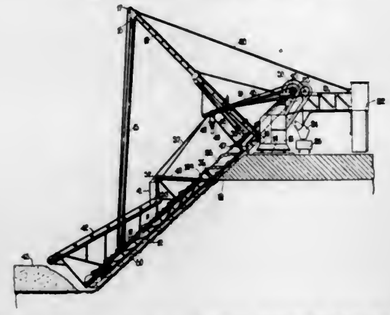
1. A lure of the class described comprising a body part, a vertically arranged bar passing through the rear portion of the body part, upper and lower bars having their front ends engaging the ends of the first-mentioned bar, a rod carried by the rear end of the upper and lower bars, and a flexible tail portion connected with the rear end of the body and passing between the upper and lower bars and having a portion held by the rod, said parts being constructed and arranged to hold the tail part in a bow which is vertically arranged and said bow forming a recess between itself and a side of the body whereby the water in the recess acting upon the bow will force the same in a water-like motion to the opposite side of the body and reverse the bow, so that the water at the opposite side of the body will force the bow to the first side.

2,150,847
GAME APPARATUS
Fred Rock, Waterville, Maine
Application June 11, 1937, Serial No. 147,740
1 Claim. (Cl. 273—118)



In a game apparatus, an inclined elongated playing bed having a series of openings of elongated formation and disposed in spaced parallel relation to each other longitudinally of said bed, guard pieces at opposite longer sides of said bed, said playing bed being further provided with circular holes of a determined size and disposed ahead of said openings in the direction of the elevation of said bed, hangers between the openings and said holes and depending from the under side of said playing bed, trough-like cradles supported by said hangers for vertical swinging movement and having display images apart thereof for projection through the openings in said playing bed, deflector pins rising from said bed and disposed from a point adjacent to the lowermost to the higher end of said bed, and director guides rising from the bed between the said holes and extended in converging relation to each other in the direction of the lowermost end of said bed.

2,150,848
EXCAVATOR
Walter Lancelot Shackleton, Wallasey, England, assignor to Barker & Jones Limited, Wallasey, England, a British company
Application June 22, 1937, Serial No. 149,774
In Great Britain June 29, 1936
4 Claims. (Cl. 37—191)



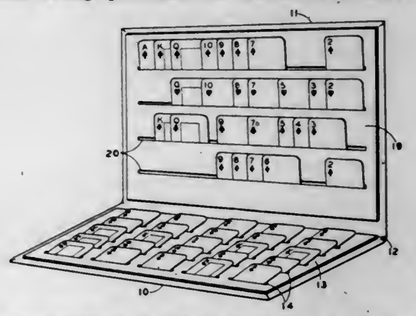
3. In an excavator of the bucket ladder type including a supporting structure, an auxiliary excavator comprising a rotatable drum supported from said supporting structure with its axis of rotation approximately parallel to the plane of excavation of the main excavator, said drum having openings in its curved wall with a cutting blade adjacent each opening, whereby material is excavated by the blades and passed into the drum through said openings, said drum having a discharge outlet at its lower end for the discharge of excavated material from the drum.

2,150,849
WATER-RESISTANT ADHESIVE
George M. Shisler and Elmer Bergey, Lansdale, Pa., assignors to Perkins Glue Company, Lansdale, Pa., a corporation of Delaware
No Drawing. Application February 5, 1936, Serial No. 62,546
7 Claims. (Cl. 134—23.9)

1. A glue of the casein-lime-soda type possessing a relatively prolonged permissible assembly period and comprising an alkaline earth hydrate, an alkali metal compound furnishing alkali metal hydrate, ordinary dried milk of commerce and acid-casein, the last two named ingredients being present in amounts from 50% to 75% on the basis of the dry glue, and the dried milk being from 5% to 200% of the casein present.

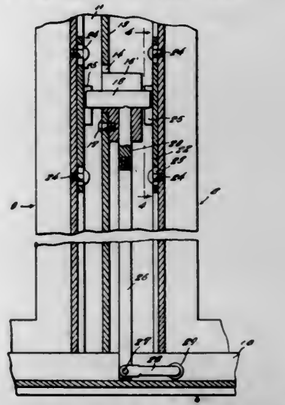
2,150,850
GAME BOARD
Lewis Frederick Smith, New Haven, Conn.
Application April 27, 1937, Serial No. 139,307
6 Claims. (Cl. 273—148)

3. A board for card games simulating poker comprising a game section, a second section connected to said game section and movable to form a concealing shield for the cards played on said game section, said second section being provided on its interior surface with a plurality of elongated slots disposed in parallelism with the connected edges of said sections, each of said slots being of sufficient length to receive all the cards of one suit disposed in overlapping relation so that all of the cards of a deck may be exposed to the view of a player and arranged as suits in their proper sequence to provide instant accessibility to the card to be played and to enable a ready indication of the cards played, said game section being provided on its interior surface



with a plurality of card-receiving pockets arranged in at least five vertical columns disposed transversely to the elongated slots in said second section, said columns of pockets consisting of the same number of horizontal rows of pockets as there are vertical columns so that every card removed from said second section and inserted in one of said pockets will be common at least to both a vertical column and a horizontal row, and a card inserted in at least nine of said pockets will in addition be included in a diagonal column whereby a combination of hands is produced equal in number to the number of columns, plus the number of rows, plus two diagonal columns.

2,150,851
CASEMENT WINDOW FASTENER
Foster John Thompson, Oak Park, Ill.
Application December 13, 1937, Serial No. 179,556
3 Claims. (Cl. 292—158)



1. As a component part of a structural assemblage of the class described, a bearing bracket, a rocker shaft mounted for oscillation therein and including a rocker arm, an operating rod

attached to said rocker arm, a guide block including a guide bore and spaced furcations, a T-shaped latch member the head portion thereof operating between said furcations, the stem portion extending slidably through said bore, said operating rod being connected to the stem portion of said latch member.

2,150,852

METHOD OF MAKING FASTENING MEANS

George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio

Application October 4, 1937, Serial No. 167,310

14 Claims. (Cl. 29—148)



1. The method of working sheet metal to provide fastening means adapted to receive a threaded fastening, which comprises, slitting and punching an area of the sheet to define an element for threadedly engaging said threaded fastening, and forming said element of the fastening means into a substantial longitudinal corrugation extending substantially throughout the width thereof thereby providing for increased strength therein.

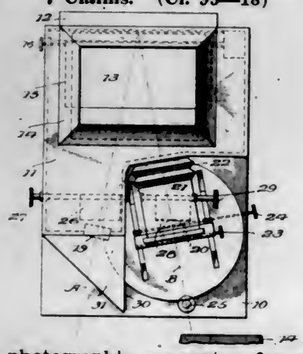
2,150,853

CAMERA

Ralph Warren and Theodor S. Geisel, New York, N. Y.

Application May 19, 1938, Serial No. 208,894

7 Claims. (Cl. 95—18)



1. In photographic apparatus for producing composite pictures of correlated portions of a plurality of objects, the combination comprising, a camera box, a plurality of objectives mounted in said box, at least one of said objectives being adjustably mounted for shifting its axis relative to the axis of another objective, means for holding a sensitized element positioned in said box in approximately the focal plane of said objectives, and baffle means adjustably supported in said box between said objectives and said sensitized element for blocking undesired portions of the images directed toward said element by said objectives.

2,150,854

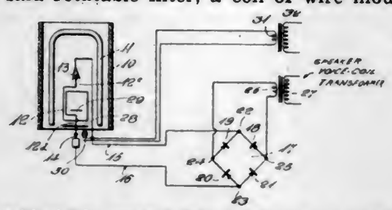
DISPLAY DEVICE

Glen S. Whidden, Lansing, Mich.

Application October 14, 1937, Serial No. 169,024

8 Claims. (Cl. 84—464)

1. In display devices adapted to be connected to a radio receiver to be energized in accordance with signal energy the combination of a substantially translucent screen, an incandescent lamp for illuminating said screen from the inside, a rotatable colored filter positioned over said lamp to vary the color of the light transmitted to said screen when said filter is rotated, a shaft for said rotatable filter, a coil of wire mounted



on said shaft, means for producing a magnetic field around said coil, and means for impressing signal energy from the radio receiver on said coil to produce a second magnetic field to react with the aforesaid magnetic field to rotate said filter and vary the color effects produced on said screen.

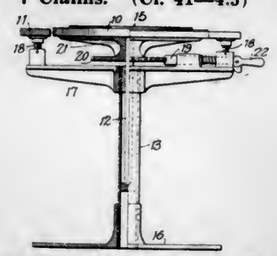
2,150,855

ENGRAVER'S SHADING BOARD

Charles Wilhelm, Philadelphia, Pa.

Application April 29, 1938, Serial No. 205,091

7 Claims. (Cl. 41—4.5)



5. In engravers' shading boards, the combination of a table having a central opening, a rotatable board within the said opening and adapted to carry a plate to be engraved, a pedestal supporting the table, a spindle supporting the board and pivoted in the pedestal, an indented wheel secured to the board, a spring-pressed bolt secured on the table and engaging the indented wheel, angle indicating means on the table and board, a transparent screen hinged over the table, lateral adjustment means for the screen, and vertical shifting means for the same.

2,150,856

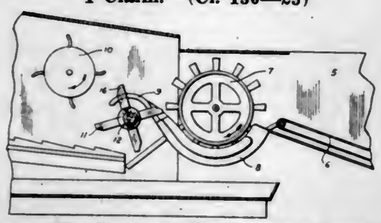
THRESHING MACHINE

Richard Williams, Watford, Ontario, Canada

Application May 27, 1936, Serial No. 82,091

In Canada June 20, 1935

1 Claim. (Cl. 130—23)



In combination with the reversely curved and grated delivery end of a threshing machine concave, a cleaner comprising a transverse rotatable

shaft thereunder, spacers along said shaft, cruciforms to extend through the grating of said concave, each formed of a pair of crossed beater arms at right angles to each other between said spacers and centrally perforated to pass said shaft, said spacers having slots in their ends at right angles to each other to accommodate said crossed beater arms, and means on opposite ends of the shaft to confine the assembly of said spacers and beater arms on said shaft.

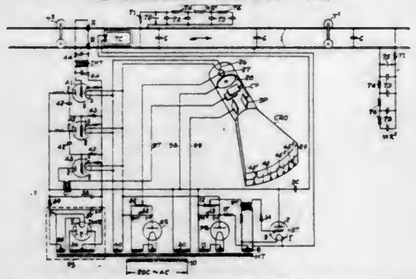
2,150,857

CONTINUOUS INDUCTIVE CAB SIGNALING AND TRAIN CONTROL SYSTEM

Donald V. Edwards, Montclair, N. J., assignor to General Railway Signal Company, Rochester, N. Y.

Application February 18, 1937, Serial No. 126,418

11 Claims. (Cl. 246—63)



1. In a train control system of the continuous inductive type, the combination with a railway track and a railway vehicle thereon, of another vehicle in advance of said first vehicle, means on the first vehicle for transmitting a current wave down the track rails, stationary reflecting means on the track for reflecting an image of the wave back to said first mentioned vehicle another image of said wave being reflected back to said first mentioned vehicle from the axles of said another vehicle in advance, means on said first mentioned vehicle for receiving said reflected waves, and means in the cab of said first mentioned vehicle for visually measuring the lapse of time between the transmission of said wave and the reception of the two reflected waves, whereby the relative locations of said stationary reflecting means and said another vehicle may be definitely ascertained.

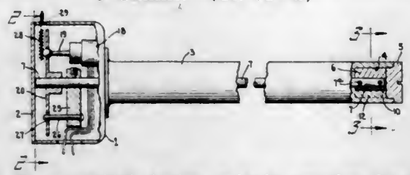
2,150,858

CONTROL DEVICE

Gilbert K. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application May 3, 1937, Serial No. 140,431

9 Claims. (Cl. 74—2)



1. In a control device, a body member having a recess with spaced end walls, a second body member closing an open side of said recess and having a wall member rigid therewith and extending into said recess in spaced opposing and overlapping relation to one of said end walls,

fusible material confined in and substantially filling said recess, operating means to move one of said body members relative to the other of said body members so that the space between said wall member and said one end wall will be decreased, said fusible material when solid blocking movement of said wall member and opposing operation of said means, and means for flow of said fusible material out of blocking position and from and to the opposite sides of said wall member.

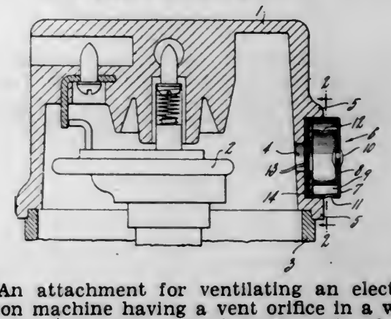
2,150,859

VENTILATOR ATTACHMENT FOR ELECTRIC IGNITION APPARATUS

Robert H. Gibson and William D. Crocker, Springfield, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application June 8, 1938, Serial No. 212,529

3 Claims. (Cl. 98—1)



1. An attachment for ventilating an electric ignition machine having a vent orifice in a wall thereof, comprising a cup-shaped member having its open end sealed to the wall of the machine and surrounding said vent orifice, and a hollow member having at least a portion within the first one, said members having offset passages providing a circuitous path for air passing between the interior of the machine and the outside atmosphere.

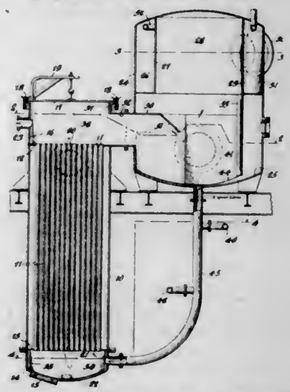
2,150,860

EVAPORATOR

Burton S. Hughes, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a corporation of Maine

Application September 15, 1937, Serial No. 164,021

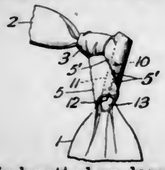
1 Claim. (Cl. 159—27)



An evaporator of the character described, comprising a heating unit including tubes for the

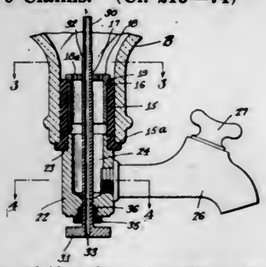
circulation of liquor to be treated, a vapor box in communication with the upper ends of said tubes and having an inlet for introducing the liquor thereto, a receiver for the concentrated liquor communicating with the lower ends of said tubes and having a liquor-discharge, a vapor body disposed in communicating relation with said vapor box and having a liquid-receiving portion and a vapor receiving portion, a liquid deflector extending into said vapor body between its aforesaid portions and from that wall thereof adjoining its point of communication with said vapor box, means in said vapor box, said liquor-receiver and said vapor body for dividing such parts and the corresponding circulating tubes into compartments for the successive circulation of liquor therethrough, said deflector bridging the compartment-sections of the vapor body, and means for connecting the respective compartment-sections of the vapor body with those of the liquor-receiver.

2,150,861
NECKTIE
George Washington Leader, Sr., Philadelphia, Pa., assignor of one-half to Florence Leader, Philadelphia, Pa.
Application April 15, 1938, Serial No. 202,173
2 Claims. (Cl. 2—150)



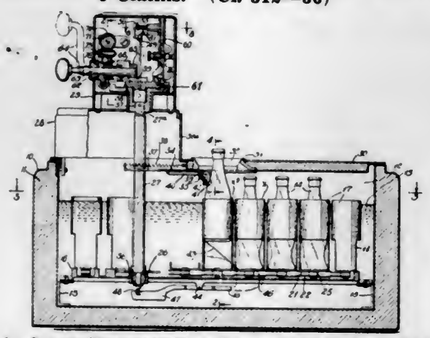
1. In a necktie knotted as described, the combination of a flexible tube confined in the knot portion, said tube having its lower end inclined and opening out at the back of the tie below the knot, and a securing pin having its upper end angled and passed through the wall of the tube with its shank portion projecting into the region of the inclined end of the tube.

2,150,862
COMBINED BOTTLE CLOSURE AND LIQUID WITHDRAWAL DEVICE
Albert S. Moffat, Watertown, Mass., assignor to United Water Cooler Service, Inc., Cambridge, Mass., a corporation
Application April 27, 1937, Serial No. 139,172
9 Claims. (Cl. 215—74)



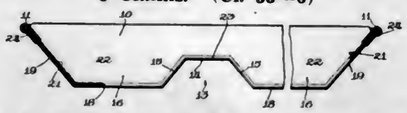
1. A device of the class described comprising a hollow expansible stopper member, a bushing in contact with said stopper member having a screw threaded opening therein, a hollow body member in contact with said stopper member having an opening therein, a rod member extending from said body member into said bushing opening and having a screw threaded portion in engagement with said bushing screw thread whereby the turning of said rod members in one direction moves said bushing and presses it against said stopper member to thereby cause said stopper member to expand, said body member having an opening therein at the side thereof intermediate its ends in communication with its said hollow portion, said opening being adapted to receive a faucet.

2,150,863
VENDING MACHINE
Louis H. Morin, Bronx, N. Y., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application July 22, 1936, Serial No. 91,837
6 Claims. (Cl. 312—36)



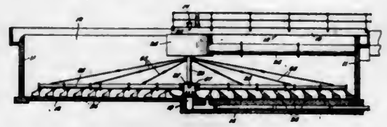
1. A vending machine having a storage chamber, an endless conveyor mounted in said chamber for supporting articles to be vended and for moving the same into position to be removed from the storage chamber through an opening in said machine, operating means for said conveyor, means operable to automatically move one of the articles into a projected position with respect to the conveyor and the opening in said machine to facilitate the removal of the article therefrom, tube means on said conveyor for supporting the article in its projected position, a door normally closing the opening in said machine, means engaged by the article in its movement into projected position for moving said door into open position, and a catch normally locking the door in closed position, said catch being released by the article in the operation of engaging and moving said door.

2,150,864
HEARTH BREAD PAN
Ray C. Oltman, Pasadena, Calif., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application April 23, 1937, Serial No. 138,541
8 Claims. (Cl. 53—6)



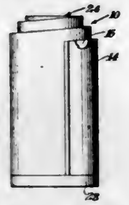
2. A hearth bread pan consisting of opposed sheet metal walls for restricting endwise expansion of the contents thereof, and a foraminated bottom interposed between the lower extremities of said walls, said bottom having an elevated portion to create an upwardly and outwardly sloping wall between said first walls, said elevated portion having its upper limits lying in a plane substantially below the plane of the upper longitudinal edges of the first mentioned walls.

2,150,865
SEDIMENTATION APPARATUS
Samuel Shafer, Jr., and Regis A. Seidenstricker, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 25, 1936, Serial No. 102,624
7 Claims. (Cl. 210—55)



1. In sedimentation apparatus, a chamber for solids-carrying liquids, having sludge-receiving floor provided with a sludge removal outlet; a fixed column structure alined with and extending upwardly above said outlet; means for collecting sludge deposited upon said floor and transferring it to said outlet, including a sludge-conducting dome-like structure surrounding said outlet and the lower portion of said column, and journalled for rotation thereabout; a hollow shaft surrounding said column, secured to and extending upwardly from said dome-like structure to above the level of the liquid in said chamber; a support fixedly secured to the upper end portion of said column; a power drive unit mounted on said support adjacent said column; and driving connections between said power unit and the upper end of said hollow shaft.

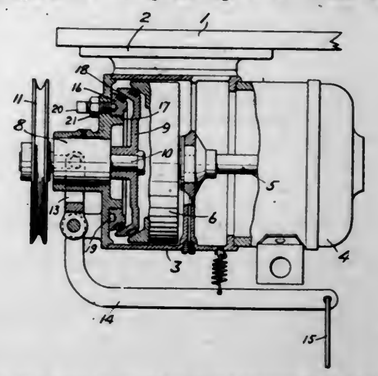
2,150,866
ANCHORING DEVICE
Harry E. Sipe, New York, N. Y., assignor of one-half to Nathaniel L. Foster, Montclair, N. J.
Application January 6, 1937, Serial No. 119,189
9 Claims. (Cl. 72—105)



4. A device of the character described including a cylindrical member having a central bore and formed by rolling a lead sheet and a harder metal sheet into spiral form, said harder metal sheet forming the interior wall of said cylindrical member, said harder metal sheet being reticular and being subject to corrugation upon caulking.

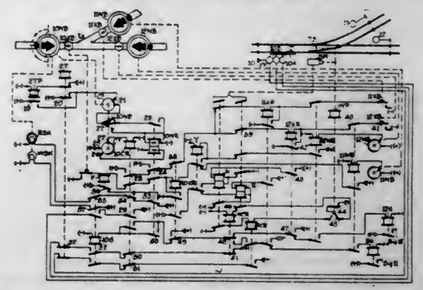
2,150,867
ADJUSTABLE BRAKE TRANSMISSION UNIT
Max T. Voigt, Reading, Pa., assignor to American Safety Table Company, Inc., Reading, Pa., a corporation of Pennsylvania
Application March 13, 1936, Serial No. 68,685
2 Claims. (Cl. 192—18)

1. In a transmission unit, a stationary member having screw-threads thereon, an annular support having screw-threads for co-operation with said screw-threads on said stationary member, a brake-shoe carried by said support, said support being provided with a plurality of bores arranged in a ring and facing said stationary member, said stationary member being provided with a screw-threaded hole therethrough located so that each of said bores in said support may be aligned therewith by rotating said support, and a locking-screw co-operating with said screw-



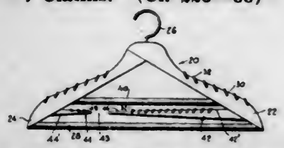
threaded hole in said stationary member and having an end adapted to enter one of said bores in said support and to thereby lock said support against movement relative to said stationary member.

2,150,868
INTERLOCKING SYSTEM FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 18, 1937, Serial No. 180,615
14 Claims. (Cl. 246—134)



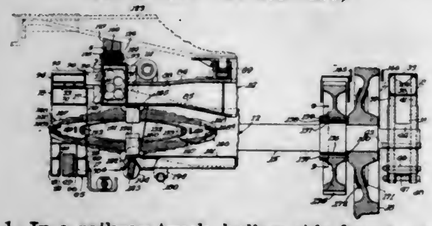
7. In a traffic controlling system for railroads, a button operable from a normal position to a rotated controlling position in which it remains until manually restored and also operable to a depressed controlling position and a pulled-out position from said normal position to which it is biased with respect to push and pull movement, a neutral relay, a circuit for energizing said neutral relay with one polarity when said button is in said rotated position, a circuit for energizing said relay with the opposite polarity when said button is in said depressed position, a stick circuit for energizing said relay with said opposite polarity when said button is in said normal position, automatic means for at times opening said stick circuit, means for opening said stick circuit when said button is in its pulled-out position, and a traffic controlling device governed by said relay, whereby said relay is maintained in an energized position dependent upon said automatic means when said button is restored to normal from a depressed position is dropped away when said button is restored to said normal position from said rotated position.

2,150,869
HANGER
Isaac J. Shafarman, Cleveland, Ohio
Application June 20, 1938, Serial No. 214,696
7 Claims. (Cl. 223—88)



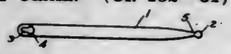
1. A hanger for wearing apparel comprising a body having opposite side and top portions, arms secured respectively to the side portions and projecting inwardly therefrom in alignment and with the inner ends of said arms spaced apart forming a throat therebetween for the insertion of a garment thereover, one of said arms extending throughout the major portion of the width of the hanger beyond the center thereof, and the other arm being appreciably shorter for insertion of a garment through the throat over the longer arm for adjustment on the arms, the upper edges of said arms being inclined upwardly from the free ends thereof, and a lower portion having an upper edge spaced from the arms and over which the garment extends to said arms to cushion the garment in its supported position thereon.

2,150,870
CAR TRUCK FRAME
Martin P. Blomberg and William H. Mussey, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill.
Application June 23, 1933, Serial No. 677,226
16 Claims. (Cl. 105—190)



1. In a railway truck, hollow side frame members, hollow transoms of sheet metal rigidly secured to said frame members, a hollow bolster of sheet metal slidable in a vertical plane between said transoms, resilient means for supporting said bolster from said side frame members, and hollow gusset members of sheet metal extending across the angles formed by said frame members and transoms and rigidly connected thereto.

2,150,871
HAIR CURLER
Harry Natkiel, New York, N. Y., assignor to Palm L. Shelby, New York, N. Y.
Application February 13, 1937, Serial No. 125,833
1 Claim. (Cl. 132—31)



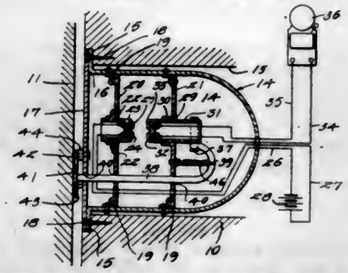
As an article of manufacture a hair curler comprising a single, relatively narrow thin flat strip of spring material with one end rounded, and having a slotted opening therethrough, with a portion of said opening narrow, and with the inwardly extending portion of said opening enlarged, and with the opposite end of said curler narrowed toward the end, and provided with an enlarged portion forming a knob at the extreme end, said knob adapted to be inserted through the enlarged portion of the opening in the opposite end with the curler curved over, and with the narrow portion of said curler adjacent said knob adapted to be held in the relatively narrow portion of said slotted opening with the knob on the opposite side thereof, said device characterized in that the ends of hair may be rolled around the single strand thereof, and the device rolled the length of the hair, and then the ends of the device readily snapped together.

2,150,872
EXTENSION DEVICE
Nels T. Nelson, Attleboro, Mass., assignor to J. F. Sturdy's Sons Company, Attleboro Falls, Mass., a corporation of Massachusetts
Application November 27, 1936, Serial No. 112,844
5 Claims. (Cl. 24—71)



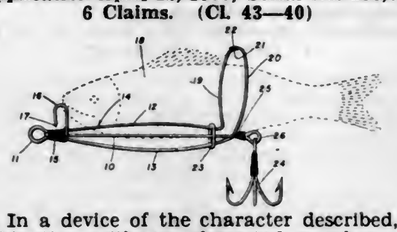
1. In an extension device of the character described, a plate section having infolded edge portions, a sliding section having longitudinal edge portions in sliding engagement with said plate section, and held against separation therefrom, a spring arm associated with said plate section and extending longitudinally thereof, pawl and ratchet means mounted on said arm and said sliding section, said means being adapted for cooperative engagement in relative sliding movement of said sections, and a finger piece integral with said spring arm extending from the same end of said plate section as said sliding section, said finger piece being spaced from said plate section and adapted for movement towards the plane of said plate section to move said spring arm against its own resiliency to disengage said pawl and ratchet.

2,150,873
BURGLAR ALARM SWITCH
Charlie F. Schultz, Belle Plaine, Minn.
Application July 1, 1937, Serial No. 151,491
1 Claim. (Cl. 200—54)



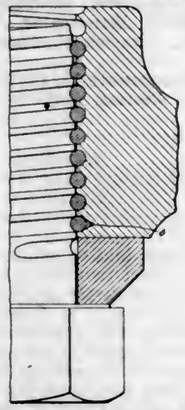
In a door actuated alarm, a casing adapted to be mounted in a recess in a door jamb, partitions rigidly mounted transversely of and in spaced relationship in said casing, a rigid contact member mounted in the outer partition and facing inwardly, a plate mounted flush with the door jamb and covering the open front of said casing, a plunger slidably mounted in said plate and partitions and having one end projecting into the door frame opening, a sliding contact member mounted in said inner partition, facing said first mentioned contact member and connected to the opposite end of said plunger, a contractile spring connected to said inner partition and plunger to normally urge said contact members into engagement to close a circuit from a source of electric current to a signal, said plunger adapted to be engaged by the hinged edge of a door when closed to retract said sliding contact to open the circuit, and a swinging keeper pivotally mounted on the outer side of said plate and in spaced relationship thereto and movable into engagement with the outer end of said plunger, when in a fully retracted position to maintain said switch in an open position.

2,150,874
FROG AND MINNOW BAIT HARNESS
Henry Wagner, Milwaukee, Wis.
Application April 12, 1937, Serial No. 136,266
6 Claims. (Cl. 43—40)



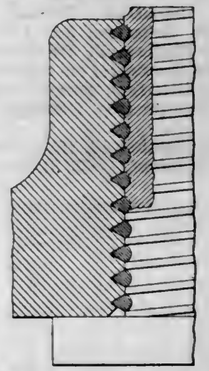
1. In a device of the character described, the combination with an elongated member, of a fish line tying means on the forward extremity of said elongated member, a bait mouth securing member proximate to the forward extremity of said elongated member, a hook extending from the rearward extremity of said elongated member, normally divergent members extending from said elongated member, complemental bait body embracing members extending laterally from said divergent members, and means for varying the complemental relationship of said embracing members to retain or release a bait in longitudinal parallelism with said elongated member.

2,150,875
METHOD OF CONNECTING LIGHT METAL ALLOY PARTS
Harold Caminez, Brooklyn, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 91,263
4 Claims. (Cl. 29—148)



1. The method of attaching to a metal female member a metal stud member of harder material consisting in cutting matching helical grooves in each with the adjacent convolutions spaced apart, the groove in the female member being deeper than that in the stud member, inserting in the groove of the female member a spring wire of a cross-section so shaped as to completely fill the cross-section of the groove in the female member and to engage the groove of the stud member, said wire being coiled in a spiral of outer diameter exceeding the major diameter of the groove in the female member, whereby the wire springs into the groove in the female member when inserted, and screwing said stud into said wire spiral.

2,150,876
SCREW FASTENING FOR HIGH STRENGTH CONNECTIONS
Harold Caminez, New York, N. Y., assignor to Aircraft Screw Products Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 12, 1938, Serial No. 190,168
10 Claims. (Cl. 85—46)

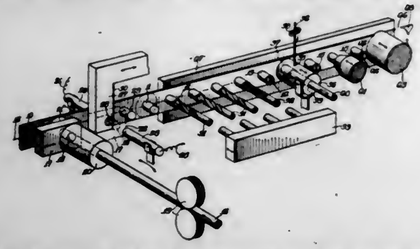


6. A screw fastening comprising a male screw member, a female threaded member with a pitch equal to that of said male member, and a spring wire coil insertable in the threaded grooves of said male and female members, the thread groove of said female member having approximately a V-shaped cross-section, and the thread groove of the male member being segment-shaped in cross-section and shallower than the groove of said female member, the cross-section of the coil wire having an outer portion shaped as a truncated V with sides converging at an angle equal to that of the thread groove of the female member, and an inner portion shaped corresponding to the thread groove of said male member, and said wire coil being initially wound with an external diameter greater than the corresponding thread diameter of said female member so as to spring in the groove of the latter and to bear wedge-like against both its sides without contacting its bottom when inserted.

2,150,877
BUTTON MANUFACTURE
John M. Clark, Detroit, Mich., assignor to Universal Button Fastening & Button Company, Detroit, Mich., a corporation of Michigan
Application December 2, 1935, Serial No. 52,507
3 Claims. (Cl. 79—2)

1. The steps in the manufacture of buttons which comprise advancing a metal strip of the thickness and diameter of the button head, severing short blanks from a rod of the diameter of the button shank and bringing said blanks into

endwise engagement with said strip at spaced points on said strip, applying welding current to weld one end of each of said blanks endwise to



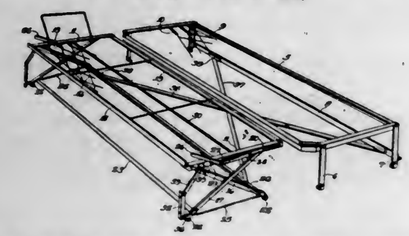
said strip, forming die cavities in the other ends of said blanks, feeding a wire toward the ends of said blanks, severing short sections from said wire and placing a section across each end cavity.

2,150,878
FOLDING TABLE
William P. De Saussure, Jr., Englewood, N. J., assignor to William P. De Saussure, Jr., and James P. De Saussure, co-partners doing business under the firm name and style of De Saussure Equipment Company, West New York, N. J.
Application September 18, 1937, Serial No. 164,432
7 Claims. (Cl. 311—85)



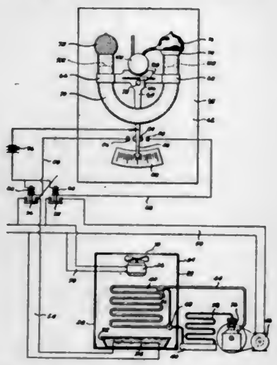
1. A table, comprising a table top, two pairs of connected legs the upper ends of which are pivotally and slidably connected to the table top, links connecting the upper ends of the legs of each pair to lower points on the legs of the other pair whereby when one pair of legs is moved from its folded position to its extended position or from its extended position to its folded position the other pair of legs will be correspondingly moved, and means for frictionally resisting sliding movement of the upper ends of the legs of one pair to restrain them from sliding movement until the upper ends of the legs of the other pair have made their full sliding movement.

2,150,879
STUDIO COUCH
Martin Fox, Chicago, Ill., assignor to The Seng Company, Chicago, Ill., a corporation of Illinois
Application October 9, 1936, Serial No. 104,794
5 Claims. (Cl. 5—21)



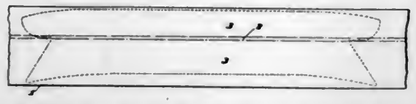
1. A studio couch comprising a fixed section having a top cushion support with a front opening below it; a collapsible section including a cushion support and crossed supporting legs at their ends movable through the opening below the fixed top support, means to connect and keep the sections parallel during such movement; a board to cover the front opening of the fixed section pivoted at the bottom to two corresponding supporting legs at opposite ends and having links at the top pivotally connecting it to the cushion support; and means for moving the crossed legs in raising and lowering the cushion support and at the same time rocking the front board outwardly intermediate the limiting raised and lowered positions.

2,150,880
CONTROL MEANS FOR REFRIGERATING APPARATUS
Charles F. Kettering, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 29, 1935, Serial No. 13,732
4 Claims. (Cl. 200—52)



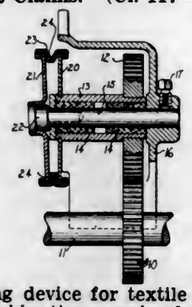
1. In combination, a pair of receptacles, a conduit extending between said receptacles, variable pressure fluid in said receptacles, a dense fluid in said conduit, means for pivotally mounting said conduit and said receptacles, and means for wetting one of said receptacles including a supply of wetting fluid carried by said mounting means.

2,150,881
COLLAR AND LINING MATERIAL THEREFOR
Edward A. King, Dorchester, Mass., assignor of one-half to Charles F. Adams, Framingham, Mass.
Application September 17, 1937, Serial No. 164,339
4 Claims. (Cl. 2—131)



1. A multi-ply folding collar of textile material having at least two face plies and a separate unitary woven lining ply between said face plies, said lining ply having a flexible fold line area and a relatively stiff turn-down leaf area, the majority of the longitudinally extending yarns in the fold line area of said lining ply being finer and lighter than the majority of the longitudinally extending yarns in the turn-down leaf area of said lining ply.

2,150,882
FEEDING DEVICE FOR TEXTILE MACHINES
Arthur L. Lewis, New London, and Nathan F. Fretter, Stonington, Conn., assignors to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey
Application June 20, 1938, Serial No. 214,736
10 Claims. (Cl. 117—21)



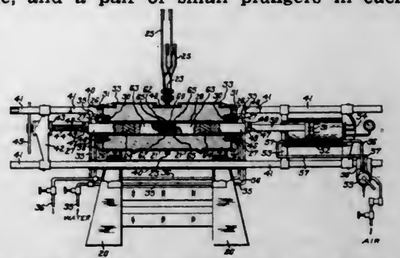
1. A feeding device for textile machines comprising in combination, a pair of disks and means to rotate said disks at the same speed upon fixed axes at a slight angle to each other to form a yarn retaining groove of varying width therebetween at their peripheries.

2,150,883
ROOFING
Martin G. O'Reilly, Chicago, Ill., assignor to Ford Roofing Products Company, Chicago, Ill., a corporation of Illinois
Application December 14, 1936, Serial No. 115,700
5 Claims. (Cl. 108—8)

5. Roofing of the character described comprising in combination a plurality of overlapping courses of shingle units, the units of each course being lapped along their side margins by adjacent units to provide a Dutch-lap arrangement of shingles, the lower edge of each unit being offset adjacent the sides of the shingle by distances equivalent to the amount of side lap at the lower edge of such units, the offset portions of the edge of overlapping units being in register thereby to form offsets in the outline of the lower edge of each course which provide visual indications that the units have the desired side lap.

2,150,884
APPARATUS FOR MULTIPLE PRESSURE MOLDING
Raymond R. Ridgway and Bruce L. Bailey, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 30, 1935, Serial No. 38,598
2 Claims. (Cl. 13—22)

1. Apparatus for molding under heat and pressure comprising an elongated graphite tube, means to pass electric current through said tube to heat it, pressure plungers in each end of said tube, pressure means exerting a thrust against one of said plungers, the center of pressure being coaxial with the bore of the tube, and a graphite mold in the tube between the pressure plungers having a plurality of parallel bores, each parallel to the axis of the tube and all of them located symmetrically with respect to the tube, and a pair of small plungers in each of

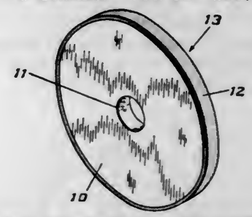


said bores, all of them parallel to the tube and to each other, whereby to mold under heat and pressure a plurality of objects at a single operation, the pressure apparatus, by reason of the aforesaid features, generating no couple.

2,150,885
ADDITION PRODUCTS OF SATURATED AND UNSATURATED ETIOCHOLANONES AND THEIR DERIVATIVES AND A METHOD OF PRODUCING THE SAME
Walter Schoeller, Berlin-Westend, and Arthur Serini, Berlin, Germany, assignors to Schering Aktiengesellschaft, Berlin, Germany, a corporation of Germany
No Drawing. Application January 11, 1936, Serial No. 58,754. Renewed January 21, 1939. In Germany January 12, 1935
15 Claims. (Cl. 260—397)

8. A cyanohydrin of the etiocholanone series, having the general formula $C_{19}H_n(OH)(CN)(X)$, wherein n indicates 27 or 29 and X is a member of the group consisting of the hydroxy group and groups that upon hydrolysis are replaced by the hydroxy group.

2,150,886
GRINDING WHEEL
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 23, 1937, Serial No. 165,367
6 Claims. (Cl. 51—280)

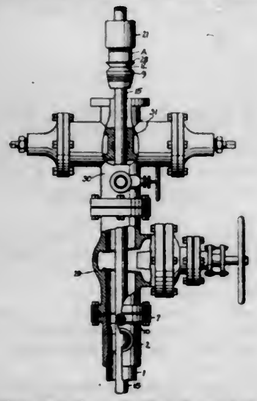


1. A grinding wheel consisting solely of a grinding portion comprising diamonds bonded with resin and a mounting molded solely from finely divided metal and resin, the resin being 25% by volume or less of the mounting.

2,150,887
METHOD AND APPARATUS FOR COMPLETING WELLS
Robert A. Mueller and Roger Smith, Houston, Tex., assignors to Gray Tool Company, Houston, Tex., a corporation
Application January 13, 1936, Serial No. 58,821
9 Claims. (Cl. 255—1)

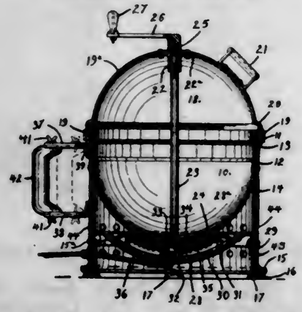
6. The method of bringing in a well in formation having high pressure, provided with a cas-

ing, casing head and drilling valve positioned on and above the same having bores to permit of drilling therethrough, comprising drilling through the casing head and valve, removing the drill and leaving the valve in place on the casing head, temporarily sealing the flow tubing adjacent the lower end thereof, lowering the tubing equipped with a hanger into the well through said valve while providing a temporary seal between said tubing and casing above said valve, hanging said tubing in the casing head below said valve, simultaneously forming a seal with said hanger between the same and the casing head below said



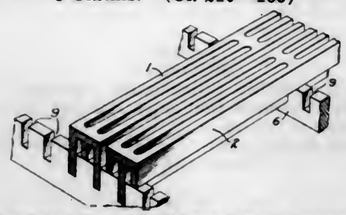
valve by the weight of the flow tubing, making permanent said last-named seal against upward movement of the hanger under well pressure which could be great enough to overcome the weight of the tubing by securing said hanger in the casing head while said temporary seal between the casing and tubing above the hanger is still provided, removing said valve and the temporary seal between the casing and tubing while the well is still under high formation pressure, replacing the drilling valve with a smaller flow valve, and thereafter removing said temporary flow tubing seal to permit the well to flow under pressure controlled by said last-named valve.

2,150,888
CORN POPPER
Therides V. Barnard, Omaha, Nebr.
Application February 21, 1938, Serial No. 191,666
4 Claims. (Cl. 53—4)



1. In a device of the class described, a hemispherical bottom member having an annular expended shoulder adjacent the rim thereof, a cylindrical casing in which the bottom member depends, said shoulder of the bottom member resting on the top edge of the casing and said bottom member and casing being secured together, a hemispherical cover having a central opening in the top thereof and a steam vent at one side, a handle on the cover, a bearing received in the central opening of the cover and secured therein, agitating means operably mounted in said bearing and depending into the bottom member, a handle on the casing and bottom member, a concavo-convex electrical heating unit positioned adjacent to the under side of the bottom member and substantially parallel therewith, said unit including a base plate having a downturned marginal portion adapted to contact the inner wall of the cylindrical casing and having openings therein, and bolts received in the openings of the downturned portion of the plate and in registered openings in the casing whereby the heating unit is detachably secured in said casing.

2,150,889
FILTER SCREEN
Kenneth H. Colville, Carbondale, Pa., assignor to Hendrick Manufacturing Company, a corporation of Pennsylvania
Application September 4, 1937, Serial No. 162,407
5 Claims. (Cl. 210—169)

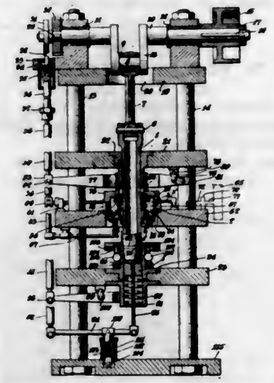


1. A screen formed of bars having upper plane surfaces and alternately having under surfaces with longitudinal ribs of different depths and mounted in spaced relation upon supporting means, said bars being longitudinally slotted through their upper plane surfaces between their downwardly projecting ribs.

2,150,890
APPARATUS FOR WORKING SHEET MATERIAL
Byron Franghia, Paris, France, assignor to British Hygienic Containers Limited, London, England
Application May 6, 1935, Serial No. 20,045
In Germany July 19, 1934
3 Claims. (Cl. 113—42)

1. Machine for forming dished or cup-like pleated containers from thin sheet material, comprising a vertical frame, a vertical punch within the frame, a guide for said punch between the top and bottom of said frame, means at the top of said frame for reciprocating the punch, a matrix at the lower part of the frame into which the lower end of the punch is forced to effect a final cupping or shaping action on the sheet material, said matrix yieldingly opposing the downward pressure of the punch, a cutting platform between said guide and said matrix, a cutter head disposed about the punch and above said platform, means guiding the sheet material in successive stages on to said platform, means to depress the cutter head against the platform to sever the sheet material in advance of the engagement of the sheet material by the punch, and preliminary cupping or shaping means to form the severed pieces of material into pleated cup-like form before being fed into the matrix,

said preliminary cupping or shaping means comprising a plurality of pawl like fingers disposed symmetrically about and substantially radiating from the axis of the path of travel of the punch,



said fingers being disposed close against the base of the sheet material during the cutting stages and yieldingly opposing descent of the punch so as to pleat the severed pieces of material in cup-like form upon the lower end of the punch.

2,150,891
TERMITE SHIELD
James D. Tennison, Memphis, Tenn.
Application June 24, 1938, Serial No. 215,673
4 Claims. (Cl. 72—0.5)

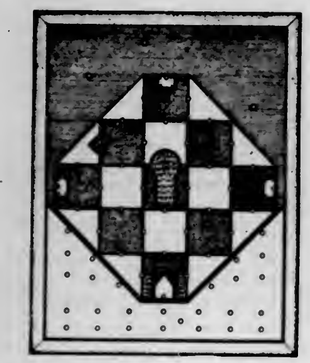


1. In a built-up termite shield, a plurality of sheet metal sections each having a generally horizontal planular area and a downwardly bent area extending from said first area, said sections having interlocking male and female portions, said male and female portions being formed to resiliently interlock when the sections are assembled, said female portion resiliently engaging said male portion on at least two sides and co-extensively throughout the generally planular area and the downwardly bent area, said male and female portions arranged to readily slidably engage each other continuously and transversely of said generally planular area and said downwardly bent area to form a termite-proof joint, whereby a built-up termite shield of relatively great length may be rapidly evolved on location without the use of special tools, equipment, or other materials.

DESIGNS

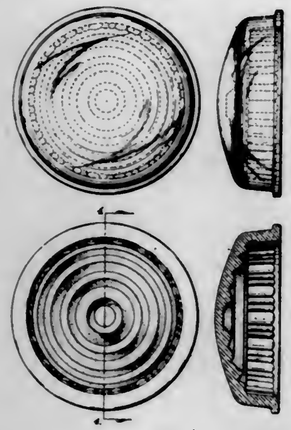
MARCH 14, 1939

113,701
DESIGN FOR A GAME BOARD
Forrest T. Bockemuehl, Harrisonburg, Va.
Application June 7, 1938, Serial No. 77,653
Term of patent 3½ years



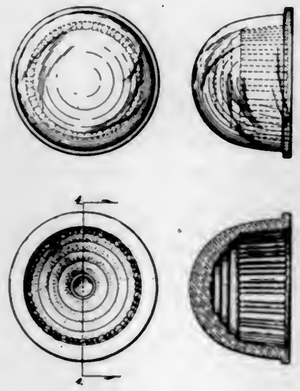
The ornamental design for a game board, as shown and described.

113,702
DESIGN FOR A REFLECTOR LENS OR THE LIKE
Clark M. Bolser, Cedar Falls, Iowa, assignor to The Bolser Corporation, Cedar Falls, Iowa, a corporation of Iowa
Application August 23, 1937, Serial No. 71,292
Term of patent 3½ years



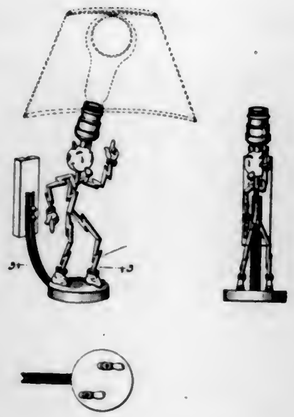
The ornamental design for a reflector lens or the like, substantially as shown and described.

113,703
DESIGN FOR A REFLECTOR LENS OR THE LIKE
Clark M. Bolser, Cedar Falls, Iowa, assignor to The Bolser Corporation, Cedar Falls, Iowa, a corporation of Iowa
Application August 23, 1937, Serial No. 71,293
Term of patent 3½ years



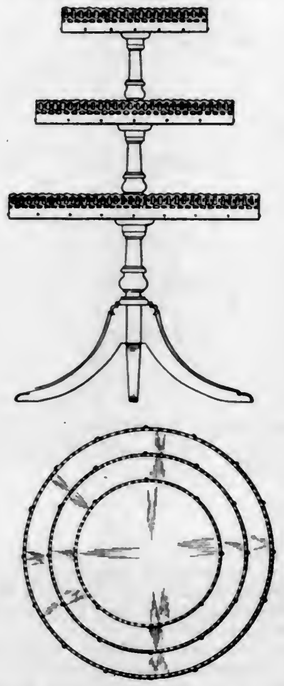
The ornamental design for a reflector lens or the like, substantially as shown and described.

113,704
DESIGN FOR A LAMP
Ashton B. Collins, Birmingham, Ala.
Application January 3, 1939, Serial No. 82,125
Term of patent 7 years



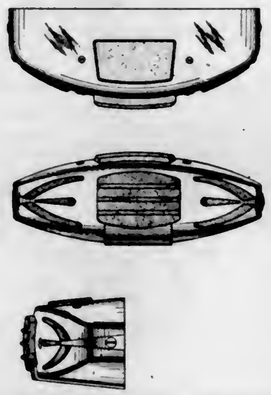
The ornamental design for a lamp, as shown and described.

113,705
DESIGN FOR A DISPLAY TABLE
Anthony Di Simone, Corona, N. Y.
Application November 17, 1938, Serial No. 81,159
Term of patent 14 years



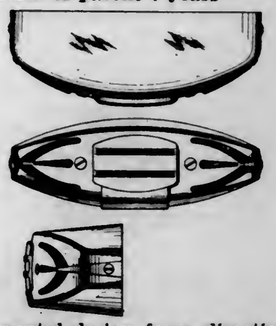
The ornamental design for a display table, substantially as shown.

113,706
DESIGN FOR A DIRECTION SIGNAL
Henry G. Dibelka, Chicago, Ill., assignor to Auto Radiator Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 82,256
Term of patent 7 years



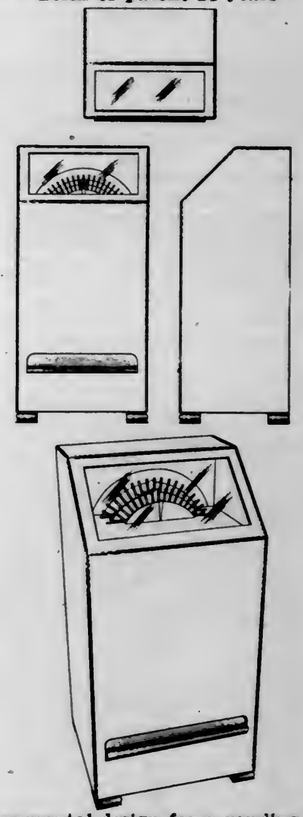
The ornamental design for a direction signal, substantially as shown.

113,707
DESIGN FOR A DIRECTION SIGNAL
Henry G. Dibelka, Chicago, Ill., assignor to Auto Radiator Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 82,258
Term of patent 7 years



The ornamental design for a direction signal, substantially as shown.

113,708
DESIGN FOR A VENDING MACHINE
George A. Gast, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application December 20, 1938, Serial No. 81,902
Term of patent 14 years



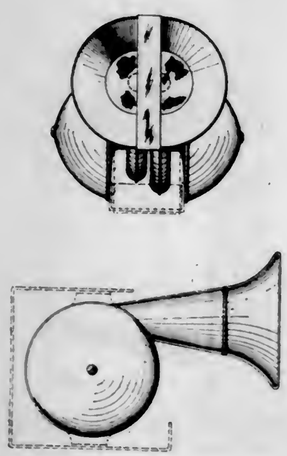
The ornamental design for a vending machine, as shown and described.

113,709
DESIGN FOR AN INCENSE VAPORIZER
Satish Chandra Ghose, Chicago, Ill.
Application November 3, 1938, Serial No. 80,849
Term of patent 7 years

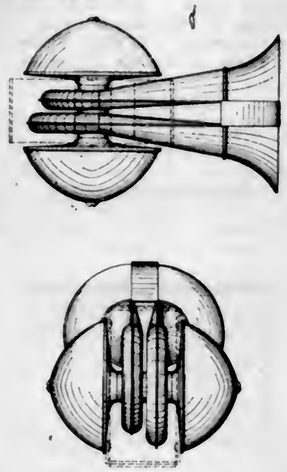


The ornamental design for an incense vaporizer, as shown.

113,710
DESIGN FOR AN AUDIBLE SIGNAL UNIT OR SIMILAR ARTICLE
Louis A. Mau, Chicago, Ill., assignor to Auto Radiator Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 82,259
Term of patent 7 years

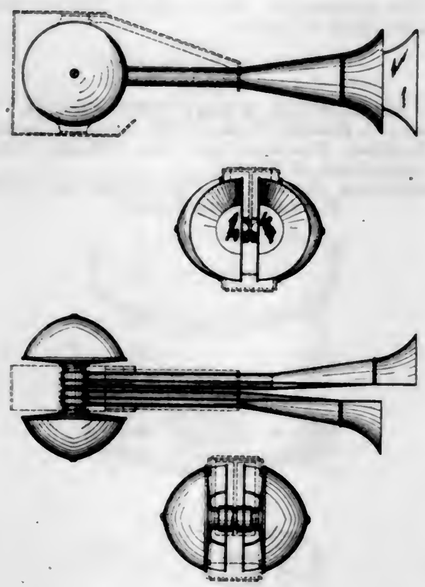


113,710—Continued



The ornamental design for an audible signal unit or similar article, substantially as shown and described.

113,711
DESIGN FOR AN AUDIBLE SIGNAL UNIT OR SIMILAR ARTICLE
Louis A. Mau, Chicago, Ill., assignor to Auto Radiator Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 82,260
Term of patent 7 years



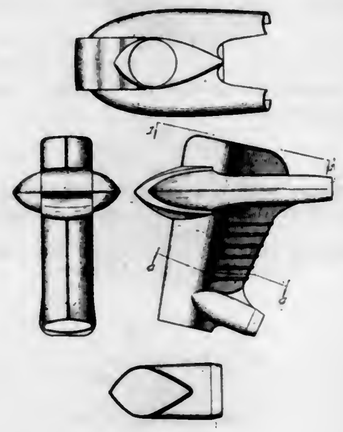
The ornamental design for an audible signal unit or similar article, substantially as shown and described.

113,712
DESIGN FOR A BUN SERVER
Robert H. Moebus and Jeanne V. Moebus, Omaha, Nebr.
Application December 30, 1938, Serial No. 82,090
Term of patent 14 years



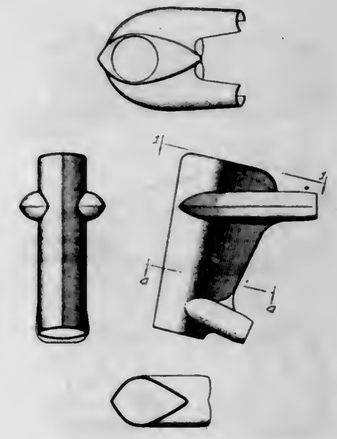
The ornamental design for a bun server, as shown.

113,713
DESIGN FOR A STEERING POST SHROUD FOR A BICYCLE OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 10, 1938, Serial No. 81,008
Term of patent 7 years



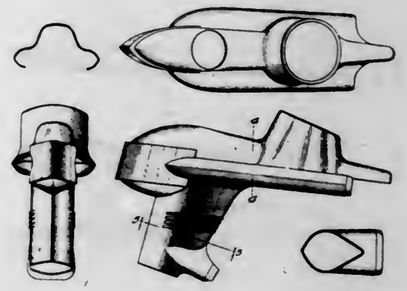
The ornamental design for a steering post shroud for a bicycle or the like, as shown.

113,714
DESIGN FOR A STEERING POST SHROUD FOR A BICYCLE OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 10, 1938, Serial No. 81,009
Term of patent 7 years



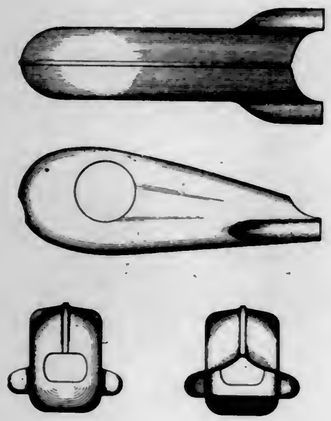
The ornamental design for a steering post shroud for a bicycle or the like, as shown.

113,715
DESIGN FOR A STEERING POST SHROUD FOR A BICYCLE OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 10, 1938, Serial No. 81,010
Term of patent 7 years



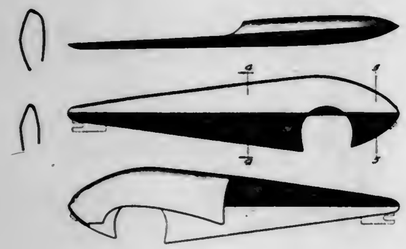
The ornamental design for a steering post shroud for a bicycle or the like, as shown.

113,716
DESIGN FOR A CRANK SHROUD FOR A BICYCLE OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 18, 1938, Serial No. 81,204
Term of patent 7 years



The ornamental design for a crank shroud for a bicycle or the like, as shown.

113,717
DESIGN FOR A CHAIN GUARD FOR A BICYCLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 23, 1938, Serial No. 81,301
Term of patent 7 years



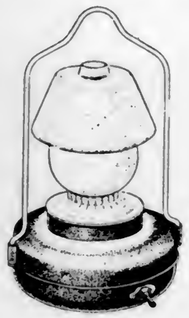
The ornamental design for a chain guard for a bicycle, as shown.

113,718
DESIGN FOR A LAMP
Itsuo Wooga, Tokyo, Japan
Application December 30, 1938, Serial No. 82,082
Term of patent 7 years



The ornamental design for a lamp, substantially as shown and described.

113,719
DESIGN FOR A LAMP
Itsuo Wooga, Tokyo, Japan
Application December 30, 1938, Serial No. 82,083
Term of patent 7 years



The ornamental design for a lamp, substantially as shown and described.

113,720
DESIGN FOR A LABEL CONTAINER
Maria Rosenbaum, née Boevers, Hanover, Germany
Application July 23, 1938, Serial No. 78,677
Term of patent 14 years



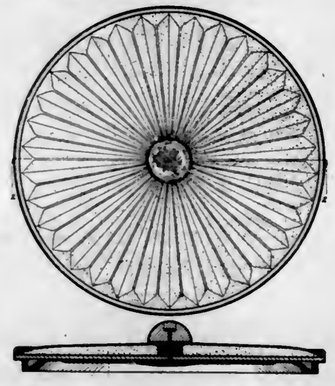
The ornamental design for a label container, as shown and described.

113,721
DESIGN FOR A LABEL CONTAINER
Maria Rosenbaum, née Boevers, Hanover, Germany
Application July 23, 1938, Serial No. 78,678
Term of patent 14 years



The ornamental design for a label container, as shown and described.

113,722
DESIGN FOR A COVER FOR A MERCHANDISE CONTAINER OR SIMILAR ARTICLE
Samuel K. Smith, Chicago, Ill.
Application October 27, 1938, Serial No. 80,700
Term of patent 7 years



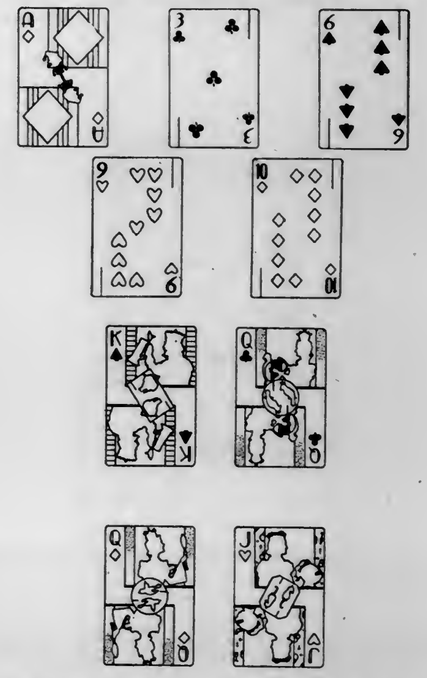
The ornamental design for a cover for a merchandise container or similar article, substantially as shown.

113,723
DESIGN FOR A BADGE OR SIMILAR ARTICLE
William Edward Stanbury, Kansas City, Mo.
Application January 7, 1939, Serial No. 82,220
Term of patent 14 years



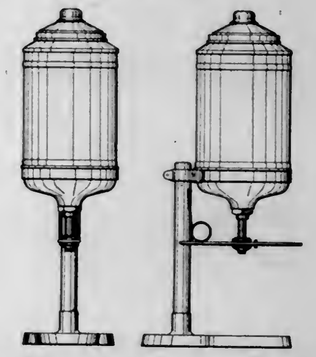
The ornamental design for a badge or similar article, substantially as shown.

113,724
DESIGN FOR A DECK OF PLAYING CARDS
Fredric J. Threlfall, Philadelphia, Pa.
Application May 11, 1938, Serial No. 77,125
Term of patent 3½ years



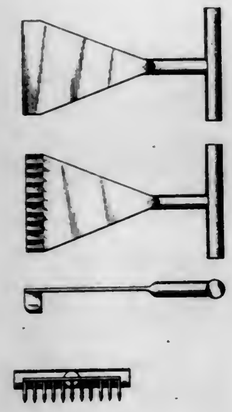
The ornamental design for a deck of playing cards, substantially as shown and described.

113,725
DESIGN FOR A LIQUID DISPENSER OR SIMILAR ARTICLE
Thomas L. Titus, Denver, Colo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo., a corporation of Wyoming
Application December 30, 1938, Serial No. 82,065
Term of patent 14 years



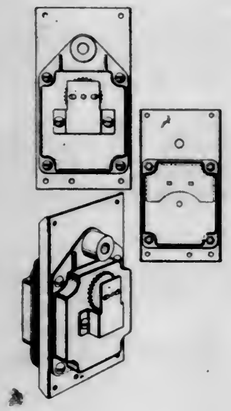
The ornamental design for a liquid dispenser or similar article, as shown.

113,726
DESIGN FOR A VEGETABLE CHOPPER
Reginald B. Allen, Arden, N. C., assignor of one-half to Charles Searcy
Application September 3, 1938, Serial No. 79,748
Term of patent 3½ years



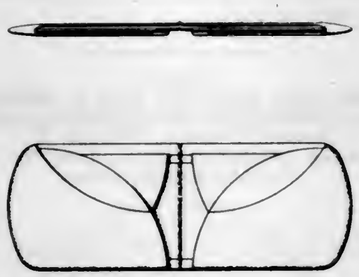
The ornamental design for a vegetable chopper, as shown.

113,727
DESIGN FOR A COMBINED RADIO TUNING MOTOR AND MOUNTING PANEL
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1937, Serial No. 73,850
Term of patent 7 years



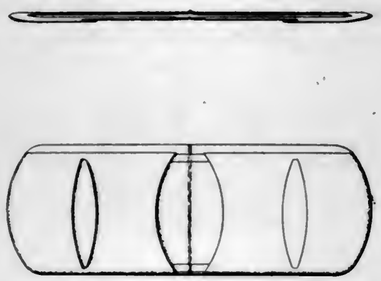
The ornamental design for a combined radio tuning motor and mounting panel, substantially as shown and described.

113,728
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application December 3, 1938, Serial No. 81,546
Term of patent 14 years



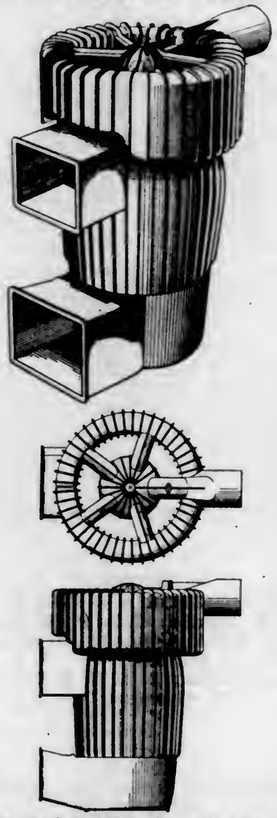
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

113,729
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application December 3, 1938, Serial No. 81,548
Term of patent 14 years



The ornamental design for a flexible pocket receptacle, substantially as shown and described.

113,730
DESIGN FOR A FURNACE
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application August 1, 1938, Serial No. 79,001
Term of patent 7 years



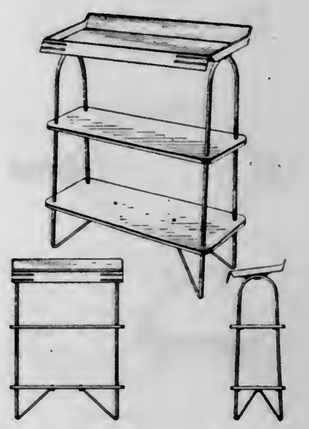
The ornamental design for a furnace, as shown.

113,731
DESIGN FOR A LOWER BOWL FOR A COFFEE BREWER
Harvey Cory, Chicago, Ill.
Application January 23, 1939, Serial No. 82,536
Term of patent 7 years



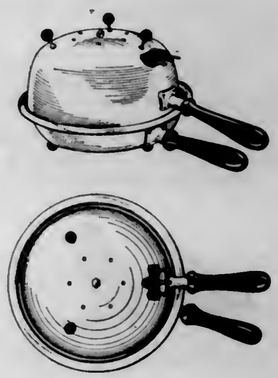
The ornamental design for a lower bowl for a coffee brewer, as shown and described.

113,732
DESIGN FOR A DISPLAY RACK OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application December 12, 1938, Serial No. 81,751
Term of patent 7 years



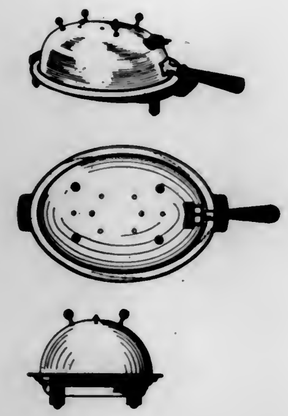
The ornamental design for a display rack or similar article, substantially as shown.

113,733
DESIGN FOR A TABLE COOKER
Simon W. Farber, Brooklyn, N. Y.
Application January 21, 1939, Serial No. 82,508
Term of patent 14 years



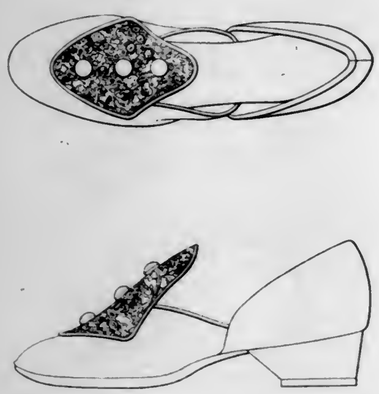
The ornamental design for a table cooker, substantially as shown.

113,734
DESIGN FOR A TABLE COOKER
Simon W. Farber, Brooklyn, N. Y.
Application January 21, 1939, Serial No. 82,509
Term of patent 14 years



The ornamental design for a table cooker, substantially as shown.

113,735
DESIGN FOR A SLIPPER
Morris Feifer, New York, N. Y.
Application January 28, 1939, Serial No. 82,647
Term of patent 7 years



The ornamental design for a slipper, as shown.

113,736
DESIGN FOR AN ICE CREAM CONE
Carl S. Franke, Akron, Ohio
Application May 31, 1938, Serial No. 77,463
Term of patent 3½ years



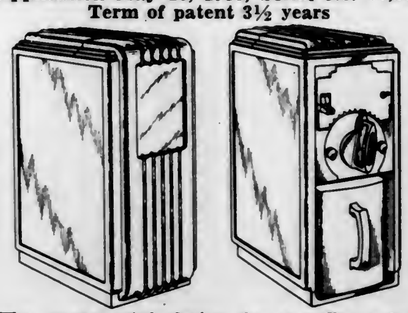
The ornamental design for an ice cream cone, as shown.

113,737
DESIGN FOR A SUITCASE
Benjamin M. Hamlin, Chicago, Ill., assignor to Universal Trunk Company, Chicago, Ill., a corporation of Illinois
Application February 2, 1939, Serial No. 82,729
Term of patent 7 years



The ornamental design for a suitcase, substantially as shown.

113,738
DESIGN FOR A COFFEE GRINDER
Thomas L. Hand, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application May 16, 1938, Serial No. 77,201
Term of patent 3½ years



The ornamental design for a coffee grinder, substantially as shown and described.

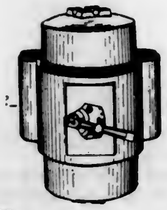
113,739
DESIGN FOR A COAT
Maurice S. Handler, New York, N. Y.
Application January 17, 1939, Serial No. 82,387
Term of patent 3½ years



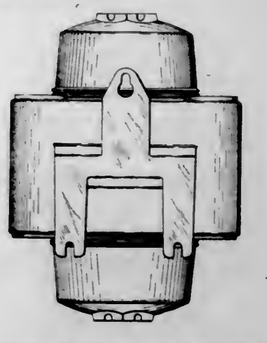
The ornamental design for a coat, substantially as shown and described.

113,740
DESIGN FOR A HOUSING FOR ELECTRICAL APPARATUS
Clarence A. Hardage, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application November 23, 1938, Serial No. 81,313
Term of patent 14 years





113,740—Continued



The ornamental design for a housing for electrical apparatus, substantially as shown and described.

113,741
DESIGN FOR A LYRE FOR A PIANO
Henry R. Heller, New York, N. Y., assignor to Winter & Co., New York, N. Y., a corporation of New York
Application March 19, 1938, Serial No. 75,953
Term of patent 7 years



The ornamental design for a lyre for a piano as shown.

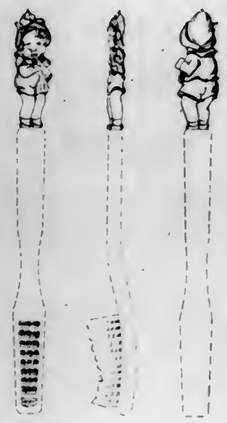
113,742
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Jules Hirsch, New York, N. Y.
Application February 7, 1939, Serial No. 82,815
Term of patent 3½ years





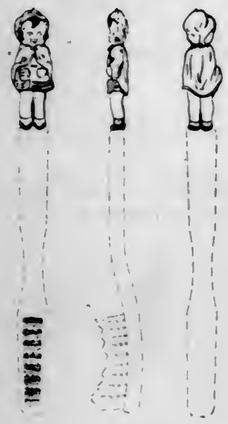
The ornamental design for a brooch or similar article, substantially as shown.

113,743
DESIGN FOR A TOOTH BRUSH
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1938, Serial No. 77,898
Term of patent 14 years



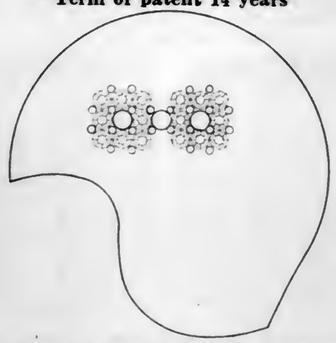
The ornamental design for a tooth brush, substantially as shown and described.

113,744
DESIGN FOR A TOOTH BRUSH
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 17, 1938, Serial No. 77,899
Term of patent 14 years



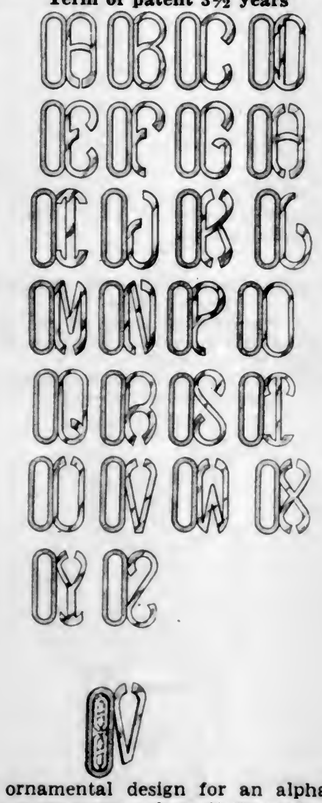
The ornamental design for a tooth brush, substantially as shown and described.

113,745
DESIGN FOR A BATHING CAP
Franklin S. Klein, Malverne, N. Y.
Application November 23, 1938, Serial No. 81,305
Term of patent 14 years



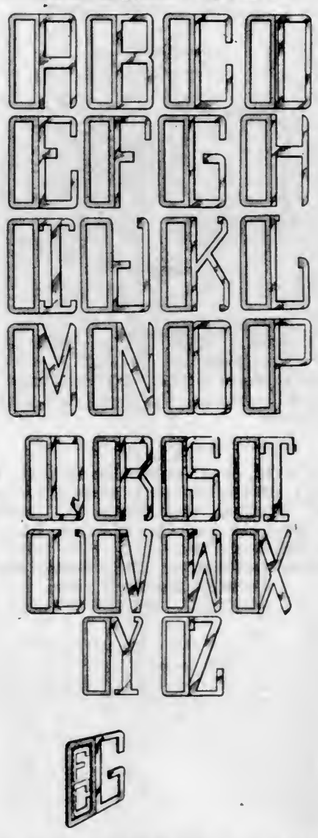
The ornamental design for a bathing cap, substantially as shown and described.

113,746
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS
Arthur E. Knight, Jr., Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y.
Application February 11, 1939, Serial No. 82,930
Term of patent 3½ years



The ornamental design for an alphabet for forming monograms, substantially as shown.

113,747
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS
Arthur E. Knight, Jr., Providence, R. I., assignor to Coro-Gram Inc., New York, N. Y.
Application February 11, 1939, Serial No. 82,931
Term of patent 3½ years



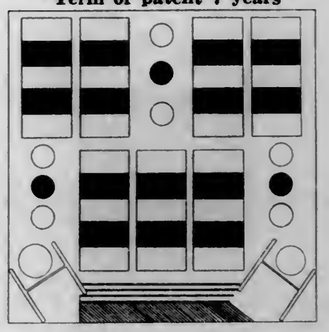
The ornamental design for an alphabet for forming monograms, substantially as shown.

113,748
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Jacques H. Leff, New York, N. Y.
Application February 3, 1939, Serial No. 82,753
Term of patent 3½ years



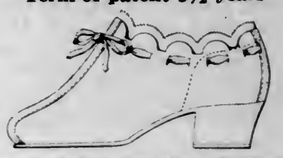
The ornamental design for a brooch or similar article, substantially as shown.

113,749
DESIGN FOR A DART FOOTBALL GAME BOARD
James W. Long, Brooklyn, N. Y.
Application July 6, 1938, Serial No. 78,306
Term of patent 7 years



The ornamental design for a dart football game board, substantially as shown.

113,750
DESIGN FOR A BEDROOM SLIPPER
Jack Macht, New York, N. Y., assignor to Consolidated Slipper Corporation, Bombay, N. Y., a corporation of New York
Application October 18, 1938, Serial No. 80,534
Term of patent 3½ years



The ornamental design for a bedroom slipper, substantially as shown and described.

113,751
DESIGN FOR A SLIPPER
Jack Macht, New York, N. Y., assignor to Consolidated Slipper Corporation, Bombay, N. Y., a corporation of New York
Application January 16, 1939, Serial No. 82,372
Term of patent 3½ years



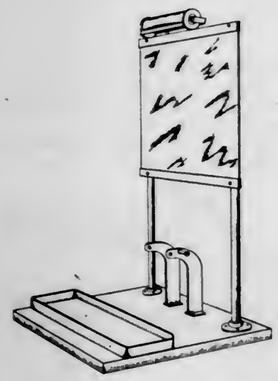
The ornamental design for a slipper substantially as shown.

113,752
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
John S. Madsen, New York, N. Y.
Application January 20, 1939, Serial No. 82,485
Term of patent 3½ years



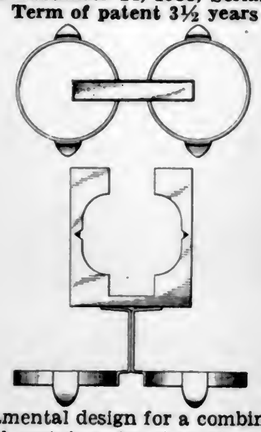
The ornamental design for a tablecloth or similar article, substantially as shown and described.

113,753
DESIGN FOR A DISPLAY STAND FOR A VACUUM CLEANER OR SIMILAR ARTICLE
Arthur L. McCarthy, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application September 26, 1938, Serial No. 80,109
Term of patent 14 years



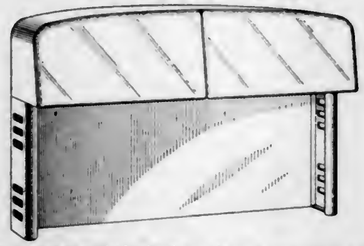
The ornamental design for a display stand for a vacuum cleaner or similar article, substantially as shown.

113,754
DESIGN FOR A COMBINED ASHTRAY SUPPORT AND CONTAINER FOR CIGARETTES OR LIKE ARTICLES
Isaac Mershon, Brooklyn, N. Y.
Application December 14, 1938, Serial No. 81,773
Term of patent 3½ years



The ornamental design for a combined ashtray support and container for cigarettes or like articles, as shown.

113,755
DESIGN FOR A COMBINED BACK GUARD AND HIGH CLOSET FOR RANGES
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1938, Serial No. 80,327
Term of patent 7 years



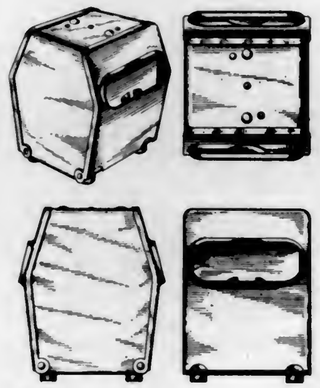
The ornamental design for a combined back guard and high closet for ranges, as shown and described.

113,756
DESIGN FOR AN EVENING WRAP
Abraham H. Morris, New York, N. Y.
Application January 14, 1939, Serial No. 82,353
Term of patent 3½ years



The ornamental design for an evening wrap substantially as shown and described.

113,757
DESIGN FOR A DISPENSER FOR PAPER NAPKINS
Elmer C. Morris, Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application January 5, 1939, Serial No. 82,159
Term of patent 14 years



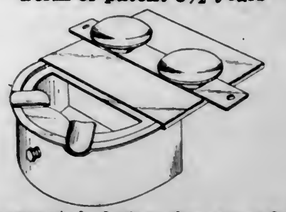
The ornamental design for a dispenser for paper napkins, as shown.

113,758
DESIGN FOR A DOMESTIC WATER HEATER
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application May 26, 1938, Serial No. 77,402
Term of patent 7 years



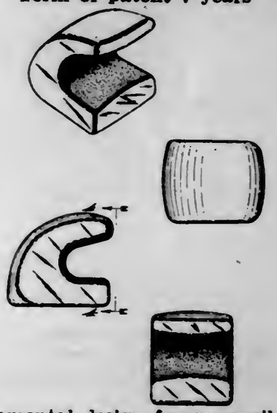
The ornamental design for a domestic water heater, as shown.

113,759
DESIGN FOR AN ASH RECEIVER
Leslie L. Murray, Beverly, Mass.
Application July 9, 1938, Serial No. 78,361
Term of patent 3½ years



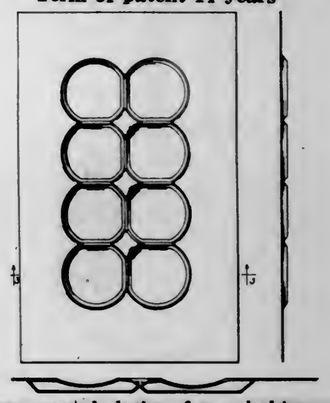
The ornamental design for an ash receiver, substantially as shown.

113,760
DESIGN FOR AN ANVIL
Charles T. Oppermann, Detroit, Mich.
Application October 29, 1938, Serial No. 80,753
Term of patent 7 years



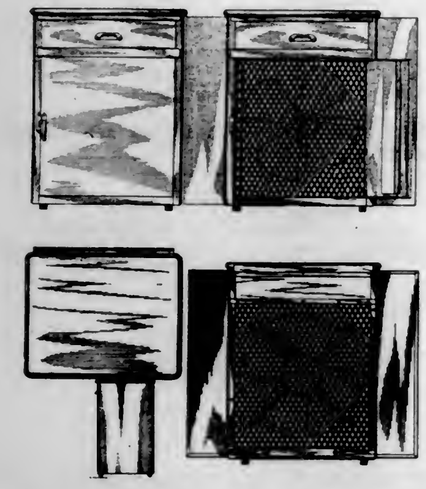
The ornamental design for an anvil, substantially as shown.

113,761
DESIGN FOR A BAKING PAN
Ray C. Pater, Cincinnati, Ohio, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application December 31, 1938, Serial No. 82,104
Term of patent 14 years



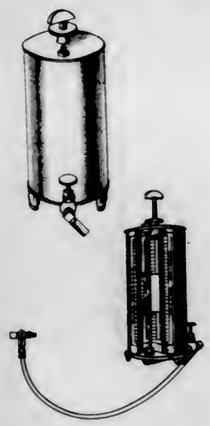
The ornamental design for a baking pan, as shown.

113,762
DESIGN FOR A COMBINED PORTABLE AIR CONDITIONER AND TABLE
Edwin W. Petersen, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application January 27, 1938, Serial No. 74,600
Term of patent 7 years



The ornamental design for a combined portable air conditioner and table, substantially as shown and described.

113,763
DESIGN FOR A FUEL CONSUMPTION TESTER
Clyde H. Phelps, Mount Vernon, N. Y., assignor to The Lantz-Phelps Corporation, Dayton, Ohio, a corporation of Ohio
Application July 21, 1937, Serial No. 70,568
Term of patent 3½ years



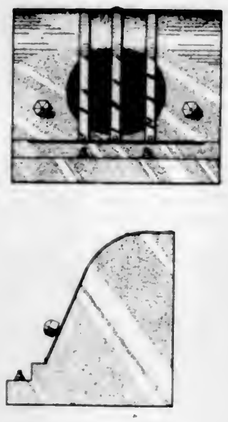
The ornamental design for a fuel consumption tester, as shown.

113,764
DESIGN FOR A TEXTILE FABRIC
Edwin Raphaels, New York, N. Y.
Application January 30, 1939, Serial No. 82,676
Term of patent 3½ years



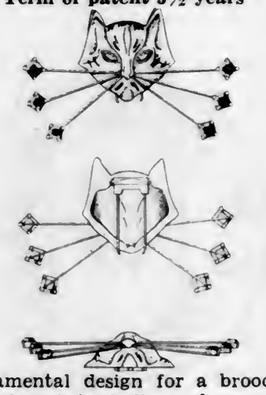
The ornamental design for a textile fabric, substantially as shown and described.

113,765
DESIGN FOR A CABINET FOR INTER-BUILDING COMMUNICATION SYSTEMS
George Risk, Des Moines, Iowa
Application July 1, 1938, Serial No. 78,221
Term of patent 3½ years



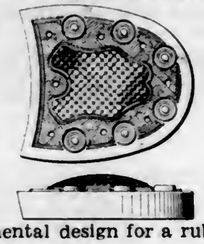
The ornamental design for a cabinet for inter-building communication systems, substantially as shown.

113,766
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
Henry Rosenblatt, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y.
Application February 11, 1939, Serial No. 82,932
Term of patent 3½ years



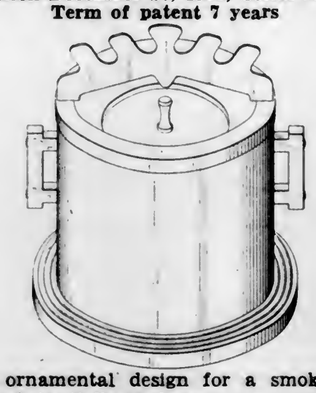
The ornamental design for a brooch pin or similar article, substantially as shown.

113,767
DESIGN FOR A RUBBER HEEL
Bernard Rubel, New York, N. Y.
Application August 13, 1938, Serial No. 79,318
Term of patent 3½ years



The ornamental design for a rubber heel, substantially as shown.

113,768
DESIGN FOR A SMOKER'S ASH STAND
Jacob I. Russakov, Chicago, Ill.
Application December 27, 1938, Serial No. 82,001
Term of patent 7 years



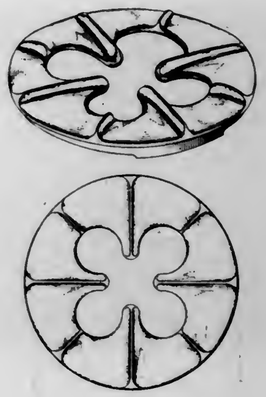
The ornamental design for a smoker's ash stand, substantially as shown.

113,769
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Shaer, Manchester, N. H.
Application January 31, 1939, Serial No. 82,692
Term of patent 3½ years



The ornamental design for a shoe or similar article as shown.

113,770
DESIGN FOR A COMBINED BURNER AND GRATE
Alvin G. Sherman, Grosse Pointe, Mich., assignor to Sherman-Jackson-Roose Company, Detroit, Mich., a corporation of Michigan
Application May 16, 1938, Serial No. 77,219
Term of patent 14 years



The ornamental design for a combined burner and grate, substantially as shown.

113,771
DESIGN FOR A WRIST WATCH
Albert V. Stegeman, Jr., Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ohio, a corporation of Kentucky
Application May 23, 1938, Serial No. 77,344
Term of patent 7 years



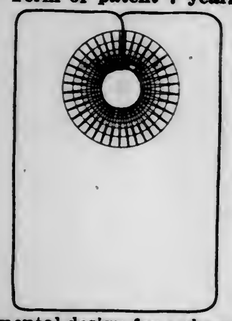
The ornamental design for a wrist watch, substantially as shown.

113,772
DESIGN FOR A COMFORTABLE
Harry Sumergrade, New York, N. Y.
Application January 27, 1939, Serial No. 82,631
Term of patent 3½ years



The ornamental design for a comfortable, substantially as shown.

113,773
DESIGN FOR A SHAMPOO APRON OR SIMILAR ARTICLE
Neta Mae Tull, Oklahoma City, Okla.
Application February 24, 1938, Serial No. 75,384
Term of patent 7 years



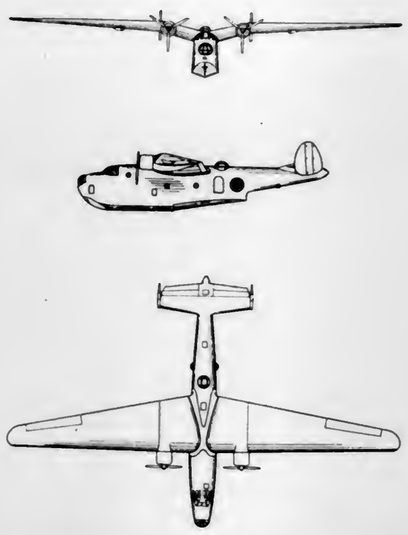
The ornamental design for a shampoo apron or similar article, as shown and described.

113,774
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Albert M. Walker, Akron, Ohio, assignor to The Bailey-Walker China Company, Bedford, Ohio, a corporation of Ohio
Application January 5, 1939, Serial No. 82,175
Term of patent 7 years



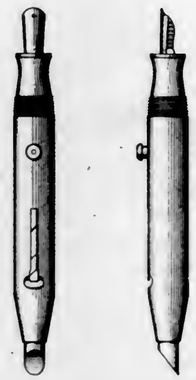
The ornamental design for a plate or similar article, as shown and described.

113,775
DESIGN FOR AN AIRPLANE
Michael Watter, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application November 4, 1937, Serial No. 72,616
Term of patent 14 years



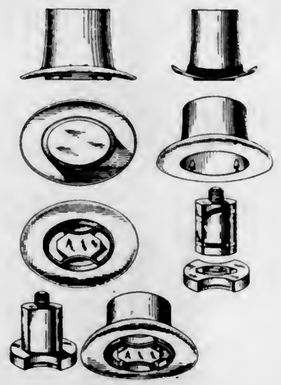
The ornamental design for an airplane, substantially as shown.

113,776
DESIGN FOR A CUTICLE REMOVER
John N. Whitehouse, Camden, N. J.
Application July 30, 1938, Serial No. 78,982
Term of patent 14 years



The ornamental design for a cuticle remover, substantially as shown.

113,777
DESIGN FOR A COMBINED PERFUME BOTTLE AND CONTAINER THEREFOR
George Stephenson Worssam, Watford, England, assignor to Saville Perfumery Limited, Watford Junction, Watford, England, a British company
Application April 2, 1938, Serial No. 76,232
In Great Britain June 1, 1937
Term of patent 7 years



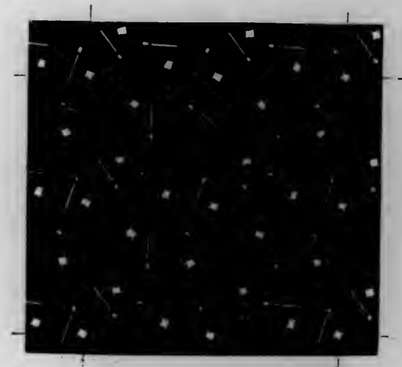
The ornamental design for a combined perfume bottle and container therefor, as shown.

113,778
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application December 7, 1938, Serial No. 81,612
Term of patent 3½ years



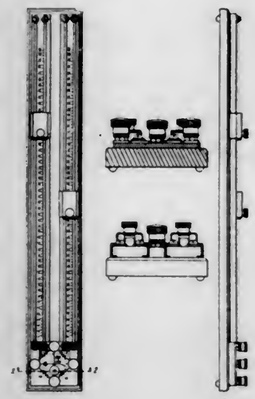
The ornamental design for a coat, substantially as shown and described.

113,779
DESIGN FOR A TEXTILE FABRIC
Louis J. Brenner, New York, N. Y.
Application February 10, 1939, Serial No. 82,900
Term of patent 3½ years



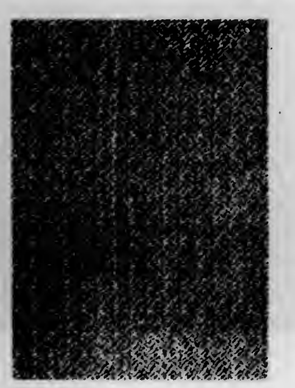
The ornamental design for a textile fabric, substantially as shown and described.

113,780
DESIGN FOR AN EDUCATIONAL INSTRUMENT
Frank H. Broome, Pompton Lakes, N. J., assignor to Cambosco Scientific Company, Boston, Mass., a corporation of Massachusetts
Application March 28, 1938, Serial No. 76,133
Term of patent 14 years



The ornamental design for an educational instrument, as shown and described.

113,781
DESIGN FOR A TEXTILE FABRIC
John R. Flather, Lowell, Mass., assignor to Boott Mills, Lowell, Mass.
Application January 6, 1939, Serial No. 82,204
Term of patent 7 years



The ornamental design for a textile fabric, as shown.

113,782
DESIGN FOR A DOLL
John H. Granger, New York, N. Y.
Application January 11, 1939, Serial No. 82,287
Term of patent 3½ years



The ornamental design for a doll, substantially as shown and described.

113,783
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Jules Hirsch, New York, N. Y.
Application February 17, 1939, Serial No. 83,043
Term of patent 3½ years



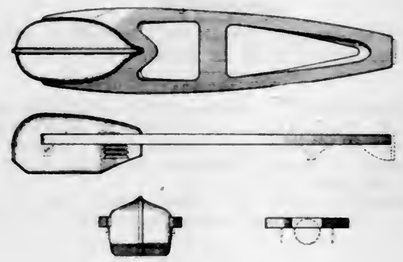
The ornamental design for a brooch or similar article, substantially as shown.

113,784
DESIGN FOR A TEXTILE FABRIC
Louis Kaufman, New York, N. Y.
Application January 7, 1939, Serial No. 82,215
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

113,785
DESIGN FOR A COMBINED LUGGAGE CARRIER AND CONTAINER FOR A BICYCLE OR THE LIKE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application November 10, 1938, Serial No. 81,011
Term of patent 7 years



The ornamental design for a combined luggage carrier and container for a bicycle or the like, as shown.

113,786
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,034
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,787
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,035
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,788
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,036
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,789
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,037
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,790
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,039
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,791
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,040
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

113,792
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,041
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown.

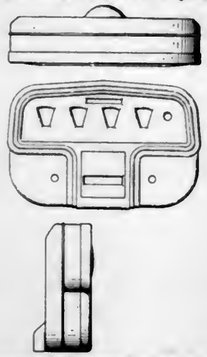
113,793
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 17, 1939, Serial No. 83,042
Term of patent 3½ years





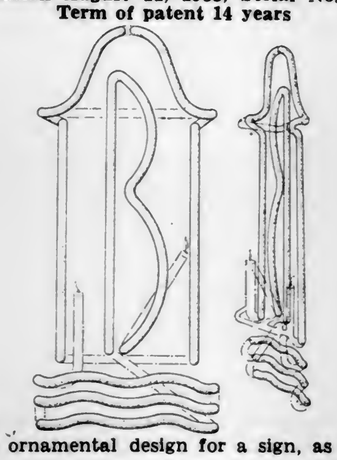
The ornamental design for a brooch or similar article, substantially as shown.

113,794
DESIGN FOR A CASING FOR A FLUID METER COUNTER OR SIMILAR ARTICLE
Eugene W. Shafer, San Mateo, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application April 11, 1938, Serial No. 76,416
Term of patent 7 years



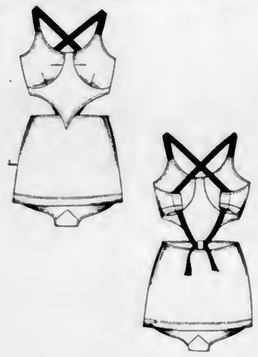
The ornamental design for a casing for a fluid meter counter or similar article, substantially as shown.

113,795
DESIGN FOR A SIGN
Frank Durward Staley, Indianapolis, Ind.
Application August 11, 1938, Serial No. 79,275
Term of patent 14 years



The ornamental design for a sign, as shown.

113,796
DESIGN FOR A BATHING SUIT
Rose E. Taisch, New York, N. Y.
Application January 30, 1939, Serial No. 82,677
Term of patent 3½ years



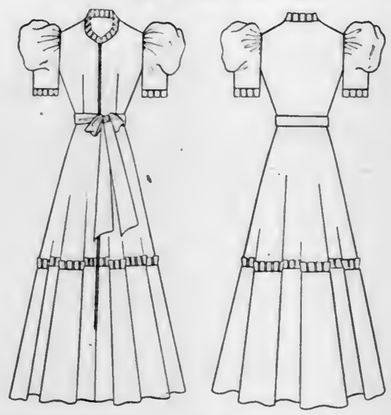
The ornamental design for a bathing suit, substantially as shown.

113,797
DESIGN FOR A PRINTING TYPE FONT
Howard Allen Trafton, New York, N. Y., assignor to Bauer Type Foundry, Inc., New York, N. Y., a corporation of New York
Application December 16, 1936, Serial No. 66,557
Term of patent 7 years

ABCDEFGHIJKLMN
OPQRSTUVWXYZ

The ornamental design for a printing type font, as shown.

113,798
DESIGN FOR A HOUSE COAT
Isidor Appel, New York, N. Y.
Application February 7, 1939, Serial No. 82,837
Term of patent 3½ years



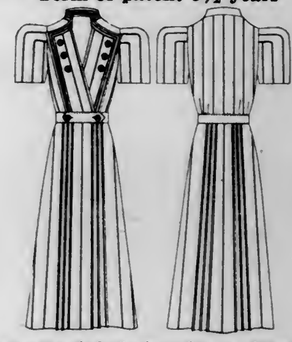
The ornamental design for a house coat, substantially as shown.

113,799
DESIGN FOR A DRESS
Jean Bensi, New York, N. Y.
Application December 17, 1938, Serial No. 81,831
Term of patent 3½ years



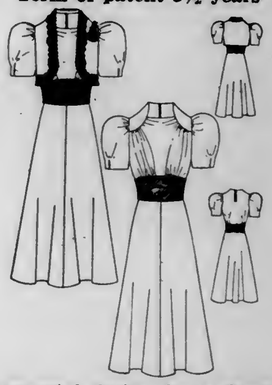
The ornamental design for a dress, substantially as shown and described.

113,800
DESIGN FOR A DRESS
Helen Berry, New York, N. Y.
Application January 25, 1939, Serial No. 82,591
Term of patent 3½ years



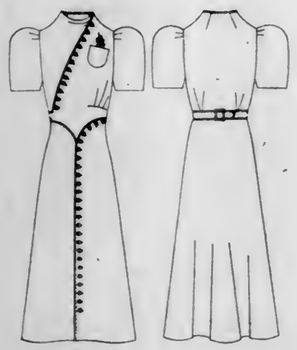
The ornamental design for a dress, substantially as shown.

113,801
DESIGN FOR A DRESS ENSEMBLE
Elizabeth M. Ciccone, New York, N. Y.
Application February 3, 1939, Serial No. 82,747
Term of patent 3½ years



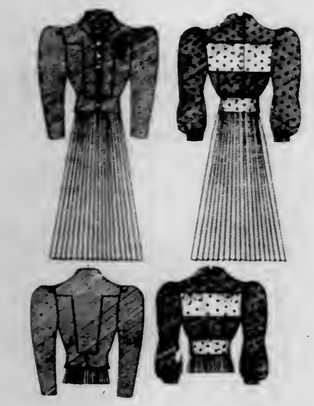
The ornamental design for a dress ensemble, substantially as shown and described.

113,802
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application January 25, 1939, Serial No. 82,589
Term of patent 3½ years



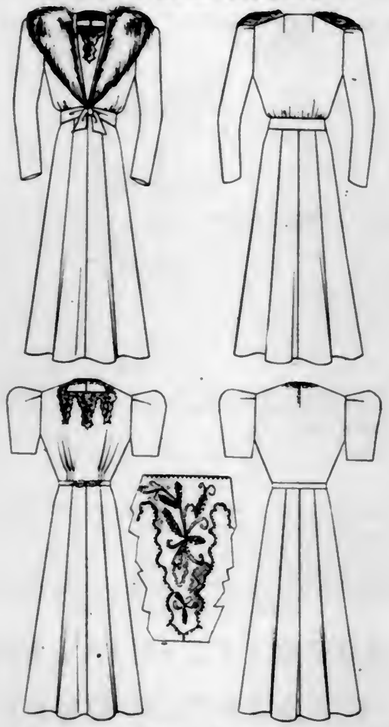
The ornamental design for a dress, substantially as shown.

113,803
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application February 3, 1939, Serial No. 82,748
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

113,804
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application January 7, 1939, Serial No. 82,212
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

113,805
DESIGN FOR A DRESS
Maurice Extract, New York, N. Y.
Application January 30, 1939, Serial No. 82,673
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,806
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application January 24, 1939, Serial No. 82,559
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,807
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application February 3, 1939, Serial No. 82,752
Term of patent 3½ years



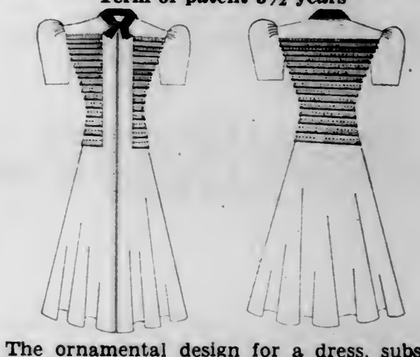
The ornamental design for a dress, substantially as shown.

113,808
DESIGN FOR A DRESS ENSEMBLE
Sylvia Faden, New York, N. Y.
Application February 4, 1939, Serial No. 82,774
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

113,809
DESIGN FOR A DRESS
Jeanne Fields, New York, N. Y.
Application February 6, 1939, Serial No. 82,792
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,810
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application February 3, 1939, Serial No. 82,749
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,811
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application February 3, 1939, Serial No. 82,750
Term of patent 3½ years



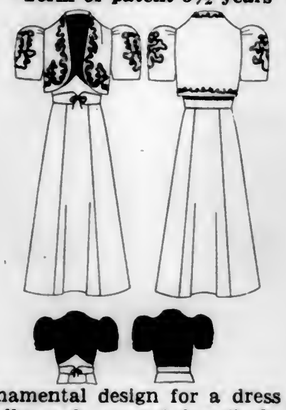
The ornamental design for a dress, substantially as shown.

113,812
DESIGN FOR A DRESS ENSEMBLE
Theresa Fritz, New York, N. Y.
Application February 3, 1939, Serial No. 82,751
Term of patent 3½ years



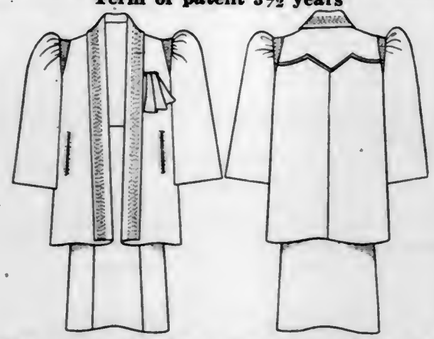
The ornamental design for a dress ensemble, substantially as shown.

113,813
DESIGN FOR A DRESS ENSEMBLE
Yvonne Gourfain, New York, N. Y.
Application February 4, 1939, Serial No. 82,772
Term of patent 3½ years



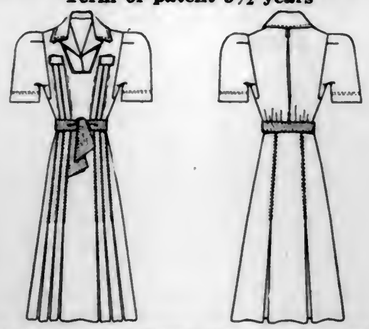
The ornamental design for a dress ensemble, substantially as shown and described.

113,814
DESIGN FOR A SUIT
Maurice S. Handler, New York, N. Y.
Application January 20, 1939, Serial No. 82,466
Term of patent 3½ years



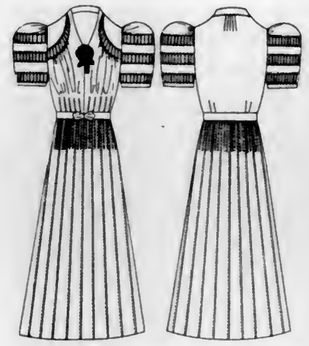
The ornamental design for a suit, substantially as shown and described.

113,815
DESIGN FOR A DRESS
Joseph Levay, New York, N. Y.
Application January 18, 1939, Serial No. 82,417
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

113,816
DESIGN FOR A DRESS
Ada Maidman, New York, N. Y.
Application January 24, 1939, Serial No. 82,560
Term of patent 3½ years



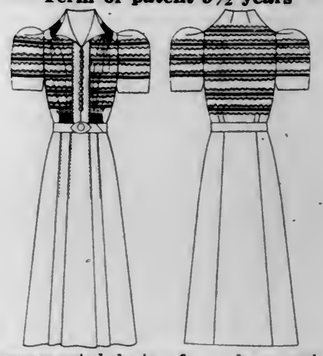
The ornamental design for a dress, substantially as shown.

113,817
DESIGN FOR A CALCULATING MACHINE
Frederick A. Niemann and Alfred L. Mell, Chicago, Ill., assignors to Felt & Tarrant Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application August 26, 1938, Serial No. 79,574
Term of patent 14 years



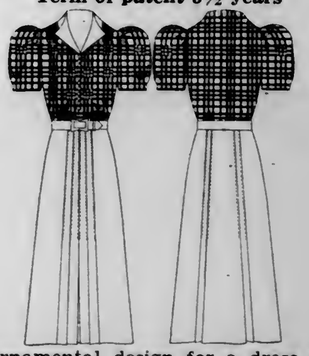
The ornamental design for a calculating machine, substantially as shown and described.

113,818
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application December 27, 1938, Serial No. 81,993
Term of patent 3½ years



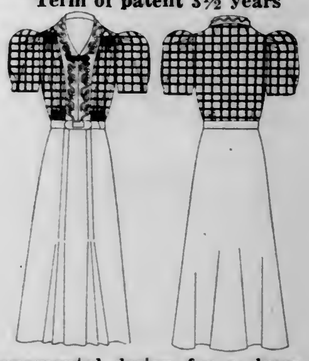
The ornamental design for a dress, substantially as shown and described.

113,819
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application January 21, 1939, Serial No. 82,499
Term of patent 3½ years



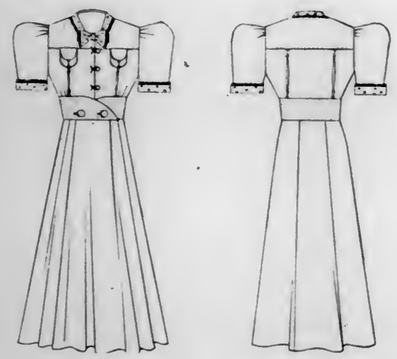
The ornamental design for a dress, substantially as shown and described.

113,820
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application January 21, 1939, Serial No. 82,500
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,821
DESIGN FOR A DRESS
Isadore Roth, St. Louis, Mo.
Application January 7, 1939, Serial No. 82,213
Term of patent 3½ years



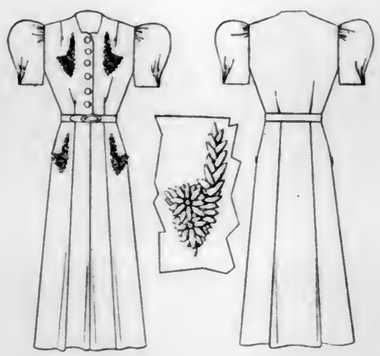
The ornamental design for a dress, substantially as shown.

113,822
DESIGN FOR A DRESS
Isadore Roth, St. Louis, Mo.
Application January 16, 1939, Serial No. 82,366
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,823
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 11, 1939, Serial No. 82,272
Term of patent 3½ years



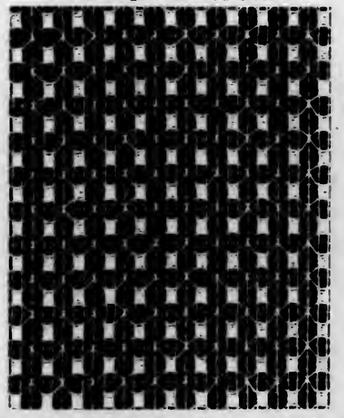
The ornamental design for a dress, substantially as shown and described.

113,824
DESIGN FOR A NEGLIGEE
Ethel Eaton Stricker, New York, N. Y.
Application February 8, 1939, Serial No. 82,858
Term of patent 3½ years



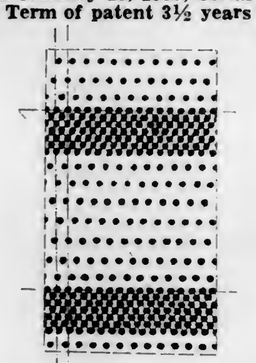
The ornamental design for a negligee, substantially as shown.

113,825
DESIGN FOR A TEXTILE FABRIC
Hugh J. Carragher and Thurston B. Wilson, Brooklyn, Conn.
Application August 10, 1938, Serial No. 79,230
Term of patent 3½ years



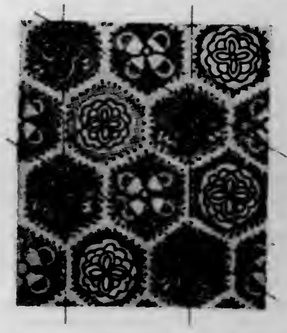
The ornamental design for a textile fabric, substantially as shown.

113,826
DESIGN FOR A TEXTILE FABRIC
Kurt Lehmann, New York, N. Y., assignor to Emanuel Roth Co. Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 82,339
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

113,827
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gwenyth Waugh, New York, N. Y.
Application February 2, 1939, Serial No. 82,723
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

113,828
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gwenyth Waugh, New York, N. Y.
Application February 2, 1939, Serial No. 82,724
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

Patents Nos. 2,150,892 to 2,151,671

THE

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March 21, 1939

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Labels	28—No.	52,665 to No.	52,692, inclusive.
Prints	2—No.	17,278 to No.	17,279, inclusive.
Reissues	3—No.	21,032 to No.	21,034, inclusive.
Plant Patents	1—No.	319	
Patents	780—No.	2,150,892 to No.	2,151,671, inclusive.
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Total	1,211		

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

Adjudicated Patents

(C. C. A. Mass.) Schidrowitz patent, No. 1,443,140, for rubber composition and method of making the same, claims 8, 9, 19, and 20 *Held* not infringed. *Vultex Corporation of America* v. *Heveatex Corporation*, 100 F.(2d) 838.

(C. C. A. Va.) Grab patent, No. 1,613,452, for retort for treatment of fruit, *Held* invalid. *Food & Fruit Industries* v. *National Fruit Product Co.*, 100 F.(2d) 885.

(C. C. A. Mass.) Schidrowitz patent, No. 1,682,857, for manufacture of rubber and the like, claims 7, 8, 12, and 16 *Held* valid but not infringed. *Vultex Corporation of America* v. *Heveatex Corporation*, 100 F.(2d) 838.

(D. C. N. Y.) Bleriot patent, No. 1,727,095, for aerial advertising and signaling device, claims 2 and 3 *Held* not infringed. *Kellett Autogiro Corporation* v. *Pike*, 25 F. Supp. 881.

(D. C. N. Y.) Bleriot patent, No. 1,794,828, for aerial advertising for signaling, claim 9 *Held* not infringed. Id.

(D. C. Mo.) Odenerants design patent, No. 102,622, for design for a shoe, *Held* invalid and not infringed. *Valley Shoe Corporation* v. *Tober-Saifer Shoe Co.*, 25 F. Supp. 860.

Condition of Applications Under Examination at Close of Business March 4, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,725; Trade-Mark Division, 1,561. Oldest new case, July 19, 1938; oldest amended, July 16, 1938.)
(The dates given are 1938 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Sept. 29	Oct. 5	704
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Sept. 30	Oct. 7	647
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 21	†Jan. 18	248
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Oct. 24	Nov. 7	411
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 7	Dec. 12	542
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 9	Sept. 1	1095
5725	7. JARBOE, C. G., Optics; Photography	Nov. 22	Nov. 22	950
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 29	Nov. 3	911
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 5	Nov. 7	564
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 12	Dec. 8	578
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 15	Nov. 22	454
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Aug. 24	Sept. 1	659
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 4	Oct. 4	706
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Dec. 12	Dec. 12	455
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 28	Oct. 28	1119
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 13	Sept. 21	749
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 28	Sept. 20	506
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 6	Sept. 15	543
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 14	Nov. 17	485
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 27	Dec. 15	282
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Nov. 30	Dec. 2	485
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 12	Nov. 15	715
7624	23. BUTTNER, W. J., Registers (part)	July 19	July 16	282
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 27	Dec. 27	424
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 5	Nov. 10	414
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 4	Nov. 4	577
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 6	Sept. 6	1032
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Oct. 28	Oct. 29	444
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Oct. 31	Oct. 18	636
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 12	Sept. 12	879
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 5	Dec. 5	624
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 25	Sept. 30	480
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Nov. 16	Nov. 5	691
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	Dec. 29	Dec. 30	263
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 5	Nov. 7	577
7892	36. McFADYEN, A. D., Measuring and Testing Force Measuring; Automatic Weighers	Sept. 30	Oct. 4	565
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 19	Aug. 31	673
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 16	Sept. 16	533
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 21	Nov. 28	499
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 4	Oct. 4	1469
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Sept. 9	213
5882	42. CUTTING, H. O., Electric Signaling	July 23	July 30	643
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Oct. 11	Oct. 13	479
4087B	44. HARVEY, L. P., Refrigeration	Oct. 10	Sept. 30	645
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 1	Oct. 20	665
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 10	Oct. 15	685
6082	47. LOWE, E. R., Clutches; Brakes	Oct. 29	Nov. 17	383
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 1	Dec. 1	358
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 31	Aug. 2	976
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Aug. 22	Sept. 8	1225
5628	51. BACKUS, C. D., Radiant Energy (part)	Nov. 25	Nov. 25	728
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Nov. 23	Nov. 23	771
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 15	Nov. 28	580
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 29	Nov. 30	390
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1278
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 4	Oct. 4	1072
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 17	Sept. 13	447
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 12	Dec. 3	322
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 21	Nov. 30	627
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Oct. 29	Nov. 3	447
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Sept. 24	Sept. 29	532
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 12	Dec. 13	460
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 31	Nov. 2	405
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Oct. 26	Oct. 25	934
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 22	Sept. 30	614
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Jan. 31	†Feb. 16	1456
	{Labels and Prints	†Feb. 23	†Feb. 23	105
2605	Designs: H. H. KALUPY	†Feb. 1	†Feb. 9	976

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

HEDDON *v.* COWDERY AND KINNEAR

No. 4,046. Decided December 19, 1938

[— F.(2d) —]

1. APPEALS—CONSIDERATION BY COURT LIMITED TO ISSUES BEFORE THE BOARD OF APPEALS.

Where the issue involved in a motion to dissolve had not been before the Board of Appeals, *Held* "The appeal to us is from the decision of the Board and we are limited in our consideration to the issues which were before that tribunal."

2. INTERFERENCE—PRIORITY.

Record reviewed and *Held* priority properly awarded the junior party C and K who established a reduction to practice prior to any date that can be awarded the senior party.

3. INVENTION—REDUCTION TO PRACTICE—TOURNAMENT TESTS OF METALLIC FISHING RODS.

Tournament tests to which appellee's metallic fishing rods were shown to have been subjected *Held* "sufficient to demonstrate their utility and fitness for the ultimate use for which designed".

APPEAL from Patent Office. Affirmed.

Mr. Samuel W. Banning for Heddon.

Mr. Frank M. Slough for Cowdery et al.

GARRETT, *P. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences in an interference proceeding, involving ten counts relating to the subject-matter of metallic fishing rods, the subject-matter being illustrated by counts 1, 5, and 9, reading as follows:

1. A flexible metallic fishing rod of tapering tubular construction having the walls progressively thickening and the diameter progressively decreasing toward the tip, and the diameter of the bore in the tip region being less than the combined thickness of the walls, giving to the tip region the functional characteristics of a solid rod in resisting a tendency to buckle inwardly.

5. A drawn tubular tapered metallic fishing rod characterized by the fact that the ratio of tapering differs in different portions of the rod.

9. A fishing rod made of tubular metallic separable sections, a plurality of which are exteriorly tapered and wherein a plurality of the sections are of varying wall thickness, the ratio of variation in wall thickness being different in each of the plurality of said sections.

Heddon is the senior party, and is a patentee. He holds three patents. Appellees are applicants, two applications by them being involved. Both of these applications were filed subsequent to the issuance of the three patents to Heddon. All the counts originated in the Heddon patents.

Counts 1, 2, and 3 originated as claims 3, 4, and 5 of Heddon's patent, No. 1,961,968, granted June 5, 1934, upon an application filed December 23, 1932. They appear as claims 18, 19, and 20 in an application, Serial No. 738,102, filed by appellees August 2, 1934.

Counts 4, 5, 6, 7, and 8 originated as claims 1, 6, 3, 4, and 5 of Heddon's patent, No. 1,961,970, granted June 5, 1934, upon an application filed originally February 15, 1933, and later divided, the grant being upon a divisional application dated January 12, 1934. Of these, counts 4, 5, and 6 appear as claims 9, 10, and 15 in the application of appellees, Serial No. 738,102 above alluded to, and counts 7 and 8 appear as claims 1 and 2 in appellees' application, Serial No. 738,830, filed August 7, 1934.

Counts 9 and 10 originated as claims 6 and 7 in Heddon's Patent No. 1,961,969 granted June 5, 1934, upon an application filed February 15, 1933. They appear as claims 4 and 5 in appellees' application, Serial No. 738,830 above named.

The interference was declared December 27, 1934. The preliminary statements of Heddon seem to have been filed January 24, 1935, and those of appellees January 28, 1935.

In view of the issues of the case a detailed recital of the several dates claimed, respectively, for conception and reduction to practice is unnecessary to our decision.

The principal issue as to all the counts relates to appellees' claimed reduction to practice.

[1] As to counts 9 and 10, however, appellant seeks to raise here a question growing out of a motion to dissolve made by him on July 10, 1935. In substance, the motion alleged that appellees' application failed to disclose the invention defined in those counts. The Examiner of Interferences dismissed the motion, "because brought late, and because the showing accompanying the motion is held insufficient to justify setting the motion". No further separate action as to those counts was sought of, or taken by, the tribunals of the Patent Office, and, seemingly, they were regarded by those tribunals, throughout the proceedings, as being in the same category with respect to conception and reduction to practice as the other counts. The appeal to us is from the decision of the Board and we are limited in our consideration to the issues which were before that tribunal. R. S. § 4911 (35 U. S. C. A. § 59*a*); R. S. § 4914 (35 U. S. C. A. § 62). The issue involved in the motion to dissolve not having been before the Board, we may not consider it here.

Inasmuch as the filing dates of the applications of appellees were subsequent to the issuance of the patents to appellant, the rule applies that appellees must prove the essential elements of the case beyond a reasonable doubt.

Neither the Examiner of Interferences nor the Board of Appeals entered upon a detailed discussion of the testimonial record. Neither tribunal, under their respective views upon the matter of what constitutes reduction to practice of metallic fishing rods, seems to have deemed it necessary to make findings as to specific dates of conception of the invention defined in the counts. The Examiner of Interferences held, in substance, that the tests given the rods of appellees were not sufficient to constitute reduction to practice at any time prior to Heddon's filing dates, and that a showing of

diligence by appellees during the critical period was lacking. The Board disagreed with the Examiner of Interferences and held that the tests made prior to any claimed dates by Heddon were sufficient to constitute reduction to practice.

The brief on behalf of Heddon states that appellees "built certain fishing rods in 1927 and in 1928, which embodied counts 1 to 8 inclusive, and that this was prior to any date alleged on behalf of Heddon, * * *". So, prior conception of those counts is conceded to appellees. The situation with respect to counts 9 and 10 has been already recited.

Accordingly, the matter is resolved to a consideration of the tests shown to have been made by appellees.

Those tests consisted solely of castings made, largely in tournaments, with the use of the rods corresponding to the counts, there being, as the Examiner held (a holding which was not challenged by the Board), no "competent evidence that a fish was ever caught with a rod [of appellees] embodying the invention in issue".

[2] The brief before us on behalf of appellees, after describing certain exhibits made in 1927 and 1928, we think fairly states what the testimonial record shows as to the tests made of appellees' rods as follows:

> These rods were tested immediately following making and repeatedly thereafter in the following different ways. First, there was an actual casting test where plugs weighing ¼th, ½ and ⅝ths ounces each were cast by a line affixed to the rod in the usual manner, to various distances and with a high degree of accuracy. The record shows that during this period from 1927 to 1932 Kinnear won a number of tournament records and on one occasion made a world's distance record for the ⅝ ounce plug weight. On another occasion he won distance records employing the ¼th and ½ ounce plug weights. On other occasions in other tournaments where the most highly skilled casters were in competition with him, as in the above cases, he won other events, these tests being supplemented by tests in the yard of the factory of the American Fork & Hoe Company at Geneva, Ohio, and elsewhere over pools of water, and the like, * * *.

The Board said inter alia:

> After careful consideration of the briefs and the Examiner's decision, we are satisfied that the only question which requires discussion by us is whether tournament tests of a fishing rod of the type involved can be relied upon for a reduction to practice.
>
> While some of the rods employed in the tournaments were finally broken, we consider that the evidence is sufficient to show that the rods were found to be highly satisfactory for casting purposes. The witnesses for the party Cowdery and Kinnear testify that the strains put upon the rods in tournament casting is much more severe than in actual fishing. * * *
>
> We have given this matter very careful consideration and we agree with the Examiner that in general a device should be tested in the manner that it is intended to be used but under some circumstances it has been recognized that other tests may be accepted as sufficient. We think in this instance that any experienced fisherman familiar with tournament casting would have no doubt of the utility of the rods used in the tournaments for fishing.
>
> We are of the view, therefore, that this is one instance in which use for the primary intended purpose is not necessary and we consider that the party Cowdery and Kinnear established a reduction to practice prior to any date that can be awarded to the senior party.

We feel constrained to agree with the holding of the Board upon this question.

[3] We appreciate the fact, as stated by the Examiner of Interferences, in substance, that the stresses placed upon a fishing rod in casting or when a weight is attached might, in some instances, differ, as to the points of strain, from the stresses which the rods undergo in the actual catching of fish. It seems to us most reasonable to assume that the stresses which the rods might encounter in catching fish also would differ according to the varying weights and movements of the fish caught. So, obviously, it would be difficult to determine, under the rule applied by the Examiner of Interferences, just when a sufficient test of a rod had been made in fishing. Various factors such as the weight, with perhaps the species of fish, and the character of the waters in which the fishing takes place, might have to be considered. It is our view that to one skilled in the art of fishing, the tests to which appellees' rods are shown to have been subjected were sufficient to demonstrate their utility and fitness for the ultimate use for which designed.

We regard the tests shown to have been made as having been more than mere "shop tests". They simulated, at least so far as casting is concerned, the actual use of the rod in fishing, and surely one skilled in the art must have been able fairly and reasonably to determine from those tests such matters of stress and strain as are likely to be encountered when casting for fish, and reasonably judge of their capacity as to strength, flexibility, etc., in actual fishing.

It is academic that the question of what constitutes reduction to practice in the sense of the patent laws may depend in large part on the inherent nature of the article under scrutiny, together with a consideration of the use for which it is designed. In consequence few cases are to be found presenting substantially identical facts. No case involving fishing rods has been brought to our attention, but there are numerous cases, the reasoning of which seems here apposite. Among these may be cited *Ernest Hedenskoog* v. *John Cayton Backus*, 18 C. C. P. A. (Patents) 1065, 48 F.(2d) 408, 409 O. G. 290; *Smith* v. *Place*, 23 C. C. P. A. (Patents) 1260, 84 F.(2d) 196, 472 O. G. 739; *Myers* v. *Roethel*, 24 C. C. P. A. (Patents) 1213, 90 F.(2d) 122, 485 O. G. 9.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WALKER ET AL.

No. 4,040. Decided December 5, 1938

[99 F.(2d) 976]

1. REJECTION—CO-PENDING PATENT.
   Held that an application may be rejected on an earlier filed co-pending patent alone or with other references.
2. PATENTABILITY—BLOWPIPE NOZZLE.
   Claims for a blowpipe nozzle *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Potter, Pierce and *Scheffler* (*Mr. James F. Pierce, Mr. Charles H. Potter, Mr. Eugene L. Greenewald, Mr. William F. Mesinger*, and *Mr. Warren J. Willis* of counsel) for Walker et al.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office which affirmed a decision of the Examiner rejecting claims 14, 15, 17, and 18 of appellants' application for a patent for a blowpipe nozzle. No claims were allowed.

Claim 14 is illustrative and reads as follows:

> 14. A blowpipe nozzle for removing surface metal from ferrous metal bodies by reaction with an oxidizing gas stream applied to the surface thereof, said nozzle having an oxidizing gas passage extending axially therethrough, said passage having an inlet and an outlet of greater cross-sectional area than said inlet, a portion of said passage between said inlet and outlet being gradually flared toward said outlet, said flared portion being constructed to reduce the velocity of said gas stream upon passage therethrough, and a portion of said passage extending backward from said outlet having the same shape and cross-sectional area as said outlet.

The claims were rejected by both tribunals below in view of the prior art. Claim 15 was also rejected as being functional and indefinite.

The references cited are: Walker, 1,726,327, August 27, 1929; Crowe, 1,985,080, December 18, 1934.

The application relates to a nozzle for a blowpipe used for removing portions of defective surface metal from steel slabs or billets before they are initially rolled and before each succeeding rolling process.

The Walker patent relates to a torch tip used for gouging out seams or other defects in steel billets preparatory to rolling or forging.

The patent to Crowe is for a metal oxygen cutting process. This patent discloses a nozzle or torch tip.

The nozzles shown in the patents and the application all contain a central passage for oxygen and combustible gas passages which surround the oxygen passage. The combustible gas, when ignited, heats the surface of the metal and the stream of oxygen directed against the heated region oxidizes and disintegrates the metal along the line of cut.

The principal feature of the device of applicants, which they contend differentiates it, in a patent sense, from the devices of the references, is the shape of the oxygen passage. The portion of the said passage through which the oxygen enters under pressure is of small diameter, and relatively short. At the outer end of the entrance portion the passage flares sharply so that the gas expands and its velocity is reduced by reason of the flare. From the outer end of the flared portion the passage continues with the same cross-sectional area throughout, wherein, it is said, the gas loses its turbulence and is discharged at low velocity and with a minimum tendency to diverge. A further purpose of the constant cross-sectional area is to permit the end of the nozzle to be ground off in case any of the gas passages should become obstructed by molten metal.

In the Walker patent the entrance portion of the oxygen passage is relatively of small diameter and short. The said portion leads into a portion of greater constant cross-section which is relatively long and from the end thereof the passage flares to the tip of the nozzle. The construction of the passage in the device of this patent is for the same general purpose as that shown in the application. Both require a low velocity stream of oxygen. In the patent we read:

> For this action, a comparatively large, low velocity outflowing stream of oxygen is desired.

The oxygen stream in this patent diverges and is so intended.

The nozzle in a figure of the Crowe patent shows an oxygen passage in which there is a narrow neck and from it the passage gently flares into a portion of constant cross-sectional area from which the oxygen is discharged in a substantially non-diverging stream. The flared portion is not at a wide enough angle to create turbulence. The purpose of the construction of the passage is to produce a high velocity, straight, non-turbulent stream.

While the patent to Crowe is for a process to cut a narrow kerf or slot and is not directed to the purpose for which a patent is sought in the application herein, nevertheless, the patentee teaches that if the angle in the oxygen passage be made more diverging the oxygen stream becomes turbulent and its velocity is thereby lessened. The patent states:

> These high velocities and low pressures can not be realized if the degree of divergence of the walls of the cutting orifice is too great. When it exceeds a certain critical value, the oxygen stream will become highly turbulent and as a consequence the kinetic energy of the stream will be uselessly dissipated and its velocity will be reduced to a low order, namely to a value less than 1000 feet per second.

In the Crowe patent reference is made to the Walker device as follows:

> It will be readily seen that this invention is not a case of enlarging an oxygen orifice as in the Walker Patent 1,726,327, for example.

The decision of the Examiner, in addition to rejecting claim 15 as functional and indefinite, held that:

> Claims 17, 18, 14, and 15 have been rejected as substantially met by Crowe in view of Walker. Considering Figure 2 of Crowe, his restriction 20 has been held to correspond to portion 4 of the applicant's device, Crowe's 18 corresponds to applicant's 9, and Crowe's 18*a* corresponds to applicant's 5 to 10. On page 3, column 1, lines 20 to 23, Crowe calls attention to Walker's nozzle as one which, for the same general purposes applicant's device is intended, utilizes an oxidizing gas stream of large area and low velocity. It has been held that in view of Walker, it would not involve invention to proportion Crowe's nozzle passage to produce a large, low velocity stream, especially in view of Crowe's teaching of how to proportion his device to secure a low velocity stream.
>
> In conclusion, it may be stated that Walker teaches a large, low velocity, oxygen jet for de-seaming purposes, and Crowe teaches how his tapered or flared portion may be enlarged to produce a low velocity jet. Both have heating jet ports of constant cross-sectional area at the discharge portions.

The Board of Appeals, in its decision affirming that of the Examiner, also held that even assuming claims 14, 17, and 18 of the application do not read upon the Crowe reference, there still would be no invention.

The Board stated that:

> We believe that claims 14, 17, and 18 read in terms upon the structure shown in Fig. 2 of Crowe as the cutting of a kerf would remove surface metal from ferrous

metal bodies. We are also of the opinion that, even if these claims should be construed as not reading upon this reference, there would be no invention in giving a greater divergence to the tapered passage of Crowe in order to reduce the pressure. On page 2, column 1 at line 62 of Crowe, it is clearly disclosed that a greater divergence will reduce the pressure. Both Crowe and appellants employ the cylindrical portion beyond the tapering part for causing the oxygen to flow from the end of the blow pipe in a straight path rather than in a spreading one, as taught by Walker. It is our view, therefore, that when it was found that the flame of Walker spread out too much, it would be obvious, after reading the discussions in Crowe relative to Walker, to narrow the flame with the cylindrical terminal without increasing the pressure.

We agree with this holding of the Board. It appears to us that no error was made by the tribunals below and that the decision of the Board should be affirmed.

[1] Appellants contend that the Crowe patent is not a valid reference because, although the application for the Crowe patent was filed December 3, 1929, and the application herein was filed May 9, 1931, the Crowe patent was not issued until after the filing date of appellants' application.

We cannot agree with this contention. The Crowe patent may be properly used alone or with other references in the rejection of the claims. The case of *In re Youker*, 22 C. C. P. A. (Patents) 1294, 77 F.(2d) 624, 1935 C. D. 658, 461 O. G. 10, is decisive in this respect. In that case we said:

> Since he has not antedated them (those applications having been filed prior to the application of appellant), they show prior invention of their subject-matter and we must assume that appellant may not properly be held to be the first inventor of anything disclosed by them or of any thing not patentably distinct from them. *In re Smith*, 17 C. C. P. A. (Patents) 752, 36 F.(2d) 522.

The application here is for a patent on a device and the contention of appellants that the principles and theories of operation of his device differ from those of the references cannot be considered. *In re Modine*, 19 C. C. P. A. (Patents) 1058, 57 F.(2d) 355, 1932 C. D. 332, 420 O. G. 811.

It is argued by the Solicitor for the Patent Office that the different purpose for which appellants allege their device is used appears to be merely stated in the preamble of the claims and that such a statement does not make the combination of elements any different. He cites *In re Dawe*, 19 C. C. P. A. (Patents) 728, 53 F.(2d) 543, 414 O. G. 301; *Braren v. Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825; *In re Garratt*, 20 C. C. P. A. (Patents) 878, 63 F.(2d) 113, 431 O. G. 777; and *In re Weingartner*, 19 C. C. P. A. (Patents) 1202, 58 F.(2d) 442, 423 O. G. 301, as applicable.

We agree with the Solicitor, but even if we did not, we would be compelled to hold that the purpose of the device of the application is identical with that of the device of the Walker patent. This purpose is to remove surface defects in steel slabs or billets by means of a low velocity oxygen stream.

In view of our conclusion it is not necessary to discuss the rejection of claim 15 on the ground of functionality and indefiniteness.

[2] We are of opinion that all of the claims were properly rejected on the Crowe patent in view of the Walker patent.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,887,073, G. S. Suppiger, Flavoring in canning, preserving, and bottling operations, filed Sept. 18, 1937, D. C., N. D. Ohio, W. Div., Doc. E 1600, *Scientific Tablet Co. v. J. W. Osseye (Superior Canning Co.)*.

1,892,552, F. C. Holtz, Alternating current motor and method of controlling the speed thereof, C. C. A., 1st Cir., Doc. 3381, *Waltham Watch Co. v. Sangamo Electric Co. et al.* Dismissed (notice Jan. 17, 1939).

1,893,738, L. Goodman, Grease gun, D. C., N. D. Calif. (San Francisco), Doc. E 3867–L, *State Holding Co., Inc., v. General Petroleum Co.* Dismissed with prejudice Jan. 12, 1939.

1,908,089, J. A. Welger, Welding electrode, D. C., E. D. Mich. (Detroit), Doc. 8248, *P. R. Mallory & Co., Inc.*, v. *Hackett Brass Foundry, Inc., et al.* Consent decree granting injunction (notice Jan. 19, 1939).

1,908,490, W. C. Scott, Means for supplying webs, C. C. A., 3d Cir., Doc. 6814, *D. J. Scott* v. *Wood Newspaper Machinery Corp.* Decree affirmed Jan. 19, 1939.

1,927,185, Power & Bradley, Resistor unit and method of making same. appeal filed June 22, 1938, C. C. A., 3d Cir., Doc. 6822, *Allen-Bradley Co.* v. *Erie Resistor Corp.*

1,931,297, F. Reiser, Embroidery frame, filed Jan. 9, 1939, D. C., S. D. N. Y., Doc. 2/134, *F. Reiser et al.* v. *Brilliant Embroideries, Inc.*

1,931,769, W. G. Newton, Casting apparatus, D. C., S. D. N. Y., Doc. E 85/6, *W. G. Newton* v. *Bloomingdale Bros., Inc.* Dismissed without prejudice (notice Jan. 20, 1939):

1,934,942, F. W. Mostertz, Loop pile fabric, C. C. A., 3d Cir., Doc. 6677, *F. W. Mostertz* v. *Quaker Pile Fabric Corp.* "Per Curiam, affirmed upon opinion of district court Jan. 10, 1939."

1,937,416, J. R. Smith, Process of roasting pimento peppers and the like, filed Jan. 13, 1939, D. C., M. D. Ga. (Macon), Doc. 13, *Pomona Products Co.* v. *Cherokee Products Co.*

1,946,999, M. M. Balsam, Machine for turning the edges of flexible material, D. C., S. D. N. Y., Doc. E 79/314, *M. M. Balsam* v. *J. Rosenthal et al. (Rossley Machine Co.)*. Discontinued (notice Jan. 14, 1939).

1,955,306, L. Malmstead, Foundation garment, appeal filed Jan. 13, 1939, C. C. A., 2d Cir., Doc. —, *L. Malmstead* v. *The Warner Bros. Co.*

1,960,868, R. F. de Boer, Removable ash receiver, D. C., W. D. Mich. (Grand Rapids), Doc. E 2834, *F. L. Jacobs Co. et al.* v. *Applied Arts Corp. et al.* Stipulation order dismissing suit Jan. 10, 1939.

1,969,307, C. A. Kaufman, Hosiery and the manufacture thereof, filed Dec. 29, 1938, D. C., S. D. N. Y., Doc. 2/75, *C. A. Kaufman* v. *I. Miller & Sons, Inc.*

1,970,848, R. S. Grant, Display window bag, appeal filed Sept. 8, 1938, C. C. A., 3d Cir., Doc. 6881, *Jaite-Grant Display Co.* v. *T. M. Royal & Co.*

1,983,430, C. S. Ashcraft, Electric arc and method of producing same, D. C. Md., Doc. E 2445, *M. G. Ashcraft* v. *F. H. Durkee Enterprises et al.* Patent held invalid; bill dismissed Dec. 22, 1938.

1,997,051, B. A. Engholm, Loud speaker, appeal filed Jan. 20, 1939, D. C., N. D. Ohio, E. Div., Doc. 19660, *Best Mfg. Co., Inc.*, v. *The Rola Co.*

2,005,531, S. J. Brandstein, Adjustable protective transparent lamp shade cover, D. C., S. D. N. Y., Doc. E 81/41, *S. J. Brandstein et al.* v. *White Lamps, Inc., et al.* Discontinued (notice Jan. 14, 1939).

2,021,581, G. E. Pickup, Cabinet heater, D. C., E. D. Mich. (Detroit), Doc. 246, *Florence-Wehrle Stove Co.* v. *Lonergan Mfg. Co.* Consent decree for plaintiff Jan. 16, 1939.

2,031,642, E. J. Graf, Illuminated decorative device, appeal filed (notice received Jan. 5, 1939), C. C. A., 2d Cir., Doc. —, *G. B. G. Corp.* v. *McCrory Stores Corp.* Decree affirmed (notice Jan. 9, 1939).

2,033,699, T. W. Frech, Electric projection lamp, appeal filed Aug. 22, 1938, C. C. A., 3d Cir., Doc. 6866, *General Electric Co.* v. *M. Yablonsky et al. (Dura Electric Co.)*.

2,048,492, M. Ciringione, Foundation garment, D. C., S. D. N. Y., Doc E 85/287, *M. Ciringione* v. *Wear-Rite Brassiere Co., Inc.* Consent decree for plaintiff (notice Jan. 19, 1939).

2,081,514, J. Spielberger, Slide fastener, D. C., S. D. N. Y., Doc. E 85/256, *Lockette Corp. et al.* v. *Raden Bros. & Rush, Inc., et al.* Dismissed for lack of prosecution (notice Jan. 23, 1939). Doc. E 85/264, *Lockette Corp.* v. *Metropolitan Button Works, Inc.* Decree as above.

2,082,779, W. C. Buchholz, Knitted article and method of producing same, filed Dec. 9, 1938, D. C., N. D. N. Y., Doc. 52, *Ackshand knitting Co., Inc.*, v. *Gloversville Knitting Co., Inc.*

2,090,982, A. C. Mills, Hand covering and method of manufacture, filed Dec. 10, 1938, D. C., N. D. N. Y., Doc. 58, *Scotsmoor Co., Inc.*, v. *The Gloversville Knitting Co.*

2,095,923, G. M. Darby, Combined flocculation and sedimentation apparatus, D. C., N. D. Iowa (Cedar Rapids), Doc. 4, *The Dorr Co., Inc.*, v. *The City of Anamosa, Iowa, et al.* Dismissed without prejudice Jan. 9, 1939.

2,096,119, Lensch & Leder, Metal spray gun, filed Jan. 13, 1939, D. C., S. D. Calif. (Los Angeles), Doc. 201–J, *R. Lensch et al.* v. *Metallizing Co. of America et al.*

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed Jan. 9, 1939, D. C., E. D. Pa., Doc. 141, *Comfy Mfg. Co.* v. *Gimbel Bros.*

2,113,546, W. Huppert, Comb, filed Jan. 17, 1939, D. C., S. D. N. Y., Doc. 2/182, *Delamere Co., Inc.*, v. *Solo Products Corp.*

2,134,072, C. A. Christensen, Power chamber, filed Jan. 12, 1939, D. C., N. D. Calif., S. Div., Doc. 21117-L, *W. J. Besler* v. *Lathan Co., Inc.*

2,134,978, A. Marshall, Air cleaner, filed Jan. 14, 1939, D. C. Oreg. (Portland), Doc. 60, *A. Marshall et al.* v. *Loggers & Contractors Machinery Co.*

Re. 20,713, H. H. Hoke, Jr., Coin controlled machine, D. C. Md., Doc. E 2545, *H. H. Hoke, Jr.*, v. *M. Boosalis et al.* Doc E 2548, *H. H. Hoke, Jr.*, v. *J. A. McDaniel et al.* Doc. E 2549, *H. H. Hoke, Jr.*, v. *J. Calcutt.* "Dismissed on call of docket Dec. 14, 1938", in each of above cases.

Des. 88,464, C. R. Hellman, Textile fabric, D. C., S. D. N. Y., Doc E 73/309, *W. Willheim Co., Inc.*, v. *Willrose Garment Co., Inc., et al.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

Des. 88,652, C. R. Hellman, Textile fabric, D. C., S. D. N. Y., Doc. E 73/307, *W. Willheim Co., Inc.*, v. *J. Rosenthal, Inc., et al.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

Des. 91,372, J. S. Stein, Bottle, D. C., S. D. N. Y., Doc. E 86/102, *Lucien Lelong, Inc.*, v. *H. D. Koenig & Co., Inc.* Consent decree for plaintiff (notice Jan. 19, 1939).

Des. 98,191, S. Troy, Shoe, D. C., S. D. N. Y., Doc. E 85/164, *Seymour Troy, Inc.*, v. *Arnold, Constable & Co., Inc.* Dismissed on merits (notice Jan. 9, 1939).

Des. 99,534, S. Stein, Brassiere vest, D. C., S. D. N. Y., Doc E 85/111, *Fay-Miss Brassiere Co., Inc.*, v. *New-Zan Bandeau Co., Inc.* Decree confirming master's report (patent held valid but not infringed) (notice Jan. 5, 1939).

Des. 102,535, G. Warderman, Toy doll, D. C., S. D. N. Y., Doc. E 85/92, *Knickerbocker Toy Co., Inc.*, v. *Bijou Toy Co., Inc., et al.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

Des. 103,545, E. Alper, Dress, D. C., S. D. N. Y., Doc. E 85/46, *Glass & Co.* v. *Glendale Frocks, Inc.* Discontinued (notice Jan. 16, 1939).

Des. 104,420, I. A. Winter, Dress, D. C., S. D. N. Y., Doc. E 85/282, *Winter-Drittol, Inc.*, v. *National Blouse Corp.* Consent order of discontinuance (notice Jan. 16, 1939).

Des. 105,780, I. Savodnik, Coat, D. C., S. D. N. Y., Doc. E 85/352, *Knobby Coat Co., Inc.*, v. *Littman's Women's Apparel Corp.* Discontinued (notice Jan. 6, 1939). Doc. E 85/355, *Knobby Coat Co., Inc.*, v. *Lerner Stores Corp.* Discontinued (notice Jan. 19, 1939).

Des. 105,900, B. Salzberg, Decorative nail, D. C., S. D. N. Y., Doc. E 85/340, *Metropolitan Button Works, Inc.*, v. *W. A. Dovendor (American Brass & Steel Products Co.)*. Doc. E 85/377, *Metropolitan Button Works, Inc.*, v. *B. Burstein (Bur-Tan Embroidery Novelties Co.)*. Doc. E 85/379, *Metropolitan Button Works, Inc.*, v. *J. Kahn (New Star Button Co.)*. Dismissed for lack of prosecution (notice Jan. 23, 1939), in each of above cases.

Des. 108,229, N. Barbieri, Brooch, D. C., S. D. N. Y., Doc. E 87/190, *Uncas Mfg. Co.* v. *D. Amster et al. (Bright Novelty Mfg. Co.)*. Consent decree for plaintiff (notice Jan. 3, 1939).

Des. 111,866, S. Troy, Shoe, filed Jan. 6, 1939, D. C., S. D. N. Y., Doc. 2/125, *Seymore Troy, Inc.*, v. *Bonwit Teller, Inc., et al.*

Des. 112,129, E. F. Pohl, Steam-electric pressing iron, filed Jan. 13, 1939, D. C., E. D. Wis. (Milwaukee), Doc. 54, *Steem-Electric Corp.* v. *The Hersfeld-Phillipson Co. et al.*

Des. 112,362, S. Chapman, Combined evening and street dress, filed Jan. 3, 1939, D. C., S. D. N. Y., Doc. 2/104, *Samuel Chapman, Inc.*, v. *Bachman-Klein, Inc.*

Des. 112,499, M. Frumkin, Dress, D. C., S. D. N. Y., Doc. 2/64, *M. Shulkin & Co., Inc., et al.* v. *Greystone Dress, Inc.* Consent decree for plaintiff (notice Jan. 20, 1939).

Des. 112,736, S. Faden, Dress, filed Jan. 16, 1939, D. C., S. D. N. Y., Doc. 2/175, *B. Weinberg et al.* v. *Constantine Dress Co.*

Disclaimers

T. M. 353,222.—*Beatrice Creamery Company*, Chicago, Ill. READY MIXED PAINT. Registered December 28, 1937. Disclaimer filed December 27, 1938, by the registrant.

Hereby abandons any claim to ownership of, and any and all rights in and to, the word Casino for use on, or in connection with the sale of, priming and/or sizing paint products.

Re. No. 16,873.—*Ernest Hopkinson*, New York, and *Willis A. Gibbons*, Little Neck, N. Y. PROCESS FOR EMPLOYING WATER SOLUTIONS OF RUBBER AND ARTICLES SO PRODUCED. Patent dated February 7, 1928. Disclaimer filed February 25, 1939, by the assignee, *United States Rubber Company*.

Hereby disclaims from the scope of each of claims 11, 12, 13 and 14, hollow articles having a minimum wall thickness of .004 inch or less.

Re. 19,028.—*Louis Sugerman*, Chicago, Ill. TWIN-SECTION EGG CARTON. Patent dated December 19, 1933. Disclaimer filed February 21, 1939, by the assignee, *Leon Benoit*; the patentee concurring.

Hereby enters this disclaimer as to claims 6, 10, and 19.

1,930,899.—*Paul Kollsman*, Woodhaven, N. Y. ANEROID AND OPERATING MEANS THEREFOR. Patent dated October 17, 1933. Disclaimer filed February 27, 1939, by the patentee.

Hereby disclaims claims 2 and 3 as set forth in said Letters Patent.

2,031,585.—*John C. Best* and *Frank Lee Marsh*, Medicine Lodge, Kans. METHOD OF PRODUCING LIGHT WEIGHT PLASTERS. Patent dated February 25, 1936. Disclaimer filed February 21, 1939, by the assignee, *National Gypsum Company*.

Hereby enters this disclaimer to claims 2, 4, and 5 in said specification.

2,036,532.—*Max Knoll*, Berlin-Lichterfelde, *Ludwig Schiff*, Berlin, and *Carl Stoerk*, Berlin-Neukolln, Germany. CATHODE-RAY-OSCILLOGRAPH. Patent dated April 7, 1936. Disclaimer filed February 13, 1939, by the patentees.

Hereby disclaim claim 12 as it appears in the patent except as it affects claim 14 which latter is appendant to claim 12, and also disclaim from the patent claim 13.

2,046,798.—*Dean Thrift*, San Antonio, Tex. METHOD AND APPARATUS FOR CORE DRILLING. Patent dated July 7, 1936. Disclaimer filed February 27, 1939, by the patentee.

Hereby enters this disclaimer to claim 4 in said Letters Patent.

2,071,183.—*Christian Steenstrup*, Schenectady, N. Y. REFRIGERATOR. Patent dated February 16, 1937. Disclaimer filed February 18, 1939, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12, and 14 of said Letters Patent.

2,105,089.—*Erle Martin*, West Hartford, Conn. MECHANICAL SYNCHRONIZING DEVICE. Patent dated January 11, 1938. Disclaimer filed February 20, 1939, by the assignee, *United Aircraft Corporation*; the patentee consenting and approving.

Hereby enters this disclaimer to claims 6, 7, and 8 of said Letters Patent.

2,107,190.—*Victor S. Shaw*, Cardington, Ohio. PLASTIC EXTRUSION MOLDING PRESS. Patent dated February 1, 1938. Disclaimer filed February 25, 1939, by the assignee, *The Hydraulic Press Corporation, Inc.*; the patentee joining and concurring.

Hereby enters this disclaimer to claim 1, 2, and 3 of said Letters Patent.

2,113,265.—*Edward J. Buell*, Niagara Falls, N. Y., and *Francis D. Martin*, Niagara Falls, Ontario, Canada. METHOD AND APPARATUS FOR MAKING JOINTS IN WOVEN WIRE FABRIC. Patent dated April 5, 1938. Disclaimer filed February 18, 1939, by the assignee, *The Lindsay Wire Weaving Company*.

Hereby enters a disclaimer of claims 1, 2, 6, 7, 11, and 12 in said patent.

2,113,266.—*Edward J. Buell*, Niagara Falls, N. Y., and *Frederick C. Few*, Niagara Falls, Ontario, Canada. METHOD AND APPARATUS FOR MAKING JOINTS IN WOVEN WIRE FABRIC. Patent dated April 5, 1938. Disclaimer filed February 18, 1939, by the assignee, *The Lindsay Wire Weaving Company*.

Hereby enters a disclaimer of claims 5 and 7 in said patent.

2,129,168.—*Oscar H. Dicke*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROL SYSTEM. Patent dated September 6, 1938. Disclaimer filed March 1, 1939, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer to claim 4 of said Letters Patent.

2,129,182.—*Neil D. Preston*, Rochester, N. Y. TRAIN DISPATCHING SYSTEM FOR RAILROADS. Patent dated September 6, 1938. Disclaimer filed March 1, 1939, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer as to claims 13, 14, 15, 17, 18, 19, 23, 38 and 45 of said Letters Patent.

Also hereby enters the following disclaimer:

(1) Disclaims from claim 52 any system, such as disclosed in the Preston and Dicke Patent No. 2,082,463 for instance, in which more than one line wire divided into sections is required to establish "line circuits extending from the control office to each station in turn only one station at a time".

(2) Disclaims from claim 69 any system, such as disclosed in the Preston and Dicke Patent No. 2,082,463 for instance, in which "a series of contacts at the office, and a series of contacts at the field station" are closed in sequence as the corresponding line relay is actuated repeatedly by currents of alternate polarities.

(3) Disclaims from claim 70 any system, such as disclosed in the Preston and Dicke Patent No. 2,082,463 for instance, in which "a series of contacts" at the office and at the field station "arranged to be closed in sequence" are closed in sequence as the corresponding line relay is actuated repeatedly by currents of alternate polarities.

2,129,289.—*Julius Söll*, Leverkusen-I. G. Werk, Germany. MANUFACTURE OF NEW FLUORINE COMPOUNDS. Patent dated September 6, 1938. Disclaimer filed February 21, 1939, by the assignee, *I. G. Farbenindustrie Aktiengesellschaft*.

Hereby disclaims claims 1, 4, 5, and 6 of said Letters Patent.

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 21, 1939

[VOL. 500. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 414,439. B. D. EISENDRATH TANNING COMPANY, Chicago, Ill. Filed Jan. 3, 1939.

CATHAY CALF

Applicant disclaims the word "Calf" apart from the mark.

For Leather.

Claims use since Nov. 15, 1938.

CLASS 2

Receptacles

Ser. No. 411,271. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Oct. 4, 1938.



For Boxes, Cases, Receptacles, and Casings in All Forms Made of Plastic Materials—Namely, Molded Plastic Boxes for Containing All Kinds of Merchandise, Including Boxes for Pens, Pencils, and Watches; Boxes for Writing Paper, Receptacles for Memorandum Paper, Playing Card Boxes.

Claims use since July 1, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 411,501. SAMUEL KORET, New York, N. Y. Filed Oct. 11, 1938.

Coronet Handbags

Applicant disclaims the word "Handbags" aside from the mark.

For Handbags.

Claims use since Aug. 1, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 407,547. HI-HO COMPANY, Reno, Nev. Filed June 16, 1938.

HI-HO

For Pre-Shaving Face Lotion.

Claims use since Feb. 1, 1938.

Ser. No. 412,032. ANTON HOHNHOLD, doing business as The Home Soap Co., North Haledon, N. J. Filed Oct. 25, 1938.

Olive Oil

SOAP POWDER

The words "Olive Oil Soap Powder" are disclaimed except as shown.
For Soap Powder.
Claims use since Apr. 1, 1938.

Ser. No. 412,170. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Oct. 29, 1938.

PALMOLIVE

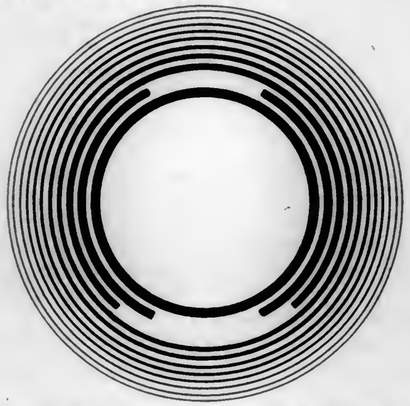
The trade-mark consists of a black or very dark green band on which the name Palmolive and the Chinese characters are printed in yellow or gold, and of a gold seal which is attached to the band and on which the design is printed in black. The Chinese characters above the word Palmolive on the drawing represent the phrase "Palmolive Fragrant Soap". The Chinese characters on the seal at either side of the representation of a palm tree represent the phrase "Made in U. S. A." Applicant without waiver of its common law rights makes no claim to the Chinese words meaning "Fragrant Soap" or "Made in U. S. A." appearing on the drawing.
For Toilet Soap.
Claims use since June, 1899.

Ser. No. 413,624. COSMETICS RESEARCH CORPORATION, New Haven, Conn. Filed Dec. 9, 1938.

PREFIX

For Lotions and/or Creams to Be Applied to the Face Prior to Shaving With an Electric Razor for Conditioning the Beard for Shaving.
Claims use since October, 1937.

Ser. No. 414,870. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed Jan. 16, 1939.



For Cleansing and Polishing Compounds for Glassware, Dishes, and the Like, and for Household and Industrial Uses.
Claims use since Sept. 1, 1938.

Ser. No. 414,871. ECONOMICS LABORATORY, INCORPORATED, St. Paul, Minn. Filed Jan. 16, 1939.

TETROX

For Cleansing and Polishing Compounds for Glassware, Dishes, and the Like, and for Household and Industrial Uses.
Claims use since Sept. 1, 1938.

CLASS 5

Adhesives

Ser. No. 408,280. CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Filed July 7, 1938.

TRUSCOR
CORN FLOUR
Cereal binder

The words "Corn Flour Cereal Binder" are disclaimed.
For Cereal Binder Composed Wholly of Grain and Sold as a Core Binder.
Claims use since June 11, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 405,849. LAXA-SELTZER LABORATORIES, Pittsburgh, Pa. Filed Apr. 29, 1938.

LAXA-SELTZER

The word "Seltzer" is disclaimed apart from the mark.
For Laxatives.
Claims use since June, 1937.

Ser. No. 410,733. JOHN S. GUNTERMAN, Phoenix, Ariz. Filed Sept. 19, 1938.

NON-STAGING



Applicant disclaims the words "Non-Staging" apart from the mark.
For Acid Resisting Solution Used in Etching Processes.
Claims use since Nov. 1, 1928.

Ser. No. 411,059. WALTER B. SELLMER, doing business as Selmolene Manufacturing Co., San Rafael, Calif. Filed Sept. 28, 1938.

HEALRITE
heals faster

The words "Healrite" and "Heals Faster" are disclaimed apart from the mark shown.
For Quick Healing Salve or Ointment.
Claims use since Nov. 1, 1937.

Ser. No. 411,802. VALENTINE LABORATORIES, INC., Chicago, Ill. Filed Oct. 19, 1938.

ORLIS

For Tooth Paste.
Claims use since June 10, 1930.

Ser. No. 412,827. HEDWIG ORLIK, New York, N. Y. Filed Nov. 16, 1938.

Sans Nom

For Perfumes; Lotions for the Face, Hands, and Skin; Toilet Water, Bath Oil, Face Powder, Bath Powder, Bath Salts, and Lipsticks.
Claims use since Nov. 11, 1938.

Ser. No. 413,560. PHILLIPS-JOFFRION, New Orleans, La. Filed Dec. 7, 1938.

CEANO-CANUS

For Medical Therapeutic Agent Derived from the Root of the Ceanothus Americanus and for Use Particularly in the Treatment of Cancer.
Claims use since Nov. 7, 1938.

Ser. No. 413,569. SKELGAS COMPANY, Kansas City, Mo. Filed Dec. 7, 1938.



The representation of the cylinder is disclaimed.
For Liquefied Petroleum Gas, Compressed Gas, Compressed Natural Gas, Liquefied Propane, Liquefied Butane, and Liquefied Ethane.
Claims use since May 1, 1938.

Ser. No. 413,816. CHARM PRODUCTS INC., doing business as Carlyle, Los Angeles, Calif. Filed Dec. 14, 1938.

Luretone

NAIL DRESS

The term "Nail Dress" is disclaimed apart from the mark.
For Nail Polish and Enamel.
Claims use since Nov. 20, 1937.

Ser. No. 413,905. MOE S. HANELLIN, Newark, N. J. Filed Dec. 16, 1938.

SAKATAN

For Laxative Aid for Constipation.
Claims use since Nov. 21, 1938.

Ser. No. 413,944. KILE C. HARDESTY, Fort Wayne, Ind. Filed Dec. 17, 1938.

GLANDO PINE

No claim is made to the word "Pine" apart from the mark.

For Cough Syrups.

Claims use since Oct. 1, 1938.

Ser. No. 413,990. HOUSE OF WESTMORE INC., New York, N. Y. Filed Dec. 19, 1938.

COLOR FILTERED

Applicant disclaims the word "Color" apart from the mark.

For Face Powder, Cold Cream, Vanishing Cream, Foundation Cream, Lip Stick, Rouge.

Claims use since October, 1938.

Ser. No. 414,035. R. H. MACY & CO., INC., New York, N. Y. Filed Dec. 20, 1938.

Old Herbary

For Cosmetic Oils, Toilet Lotions, Colognes, Hair Rinses, Bath Salts, Bath Herbs, Sachets, Dusting Powders, and Talcum Powders.

Claims use since Oct. 9, 1938.

Ser. No. 414,543. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Jan. 5, 1939.

Morome

For Preparation in the Form of a Sirup, Elixir, and in Tablet and Capsule Form, All Containing Iron and Copper, and for Use in Treating Anemic Conditions and as a Tonic.

Claims use since Dec. 19, 1938.

Ser. No. 414,623. CHEMICAL LABORATORIES, INC., Denver, Colo. Filed Jan. 9, 1939.

DANCO

For Tooth Paste.

Claims use since Oct. 29, 1938.

Ser. No. 414,645. SELMA PRODUCTS, INC., Los Angeles, Calif. Filed Jan. 9, 1939.

RI-MUV

For Depilatory Product for the Removal of Hair.

Claims use since Feb. 1, 1938.

Ser. No. 414,716. ACIFORM SALES CORPORATION, Chicago, Ill. Filed Jan. 12, 1939.

ACIFORM

For Pharmaceutical Preparation for Treatment of Myalgy, Neuralgias, Sciatica, Arthritis, Lumbago, Plexus Brachalgy, Brachi-Algies, and Meralgia Paresthetica.

Claims use since Sept. 28, 1938.

Ser. No. 414,717. ACIFORM SALES CORPORATION, Chicago, Ill. Filed Jan. 12, 1939.



For Pharmaceutical Preparation for Treatment of Myalgy, Neuralgias, Sciatica, Arthritis, Lumbago, Plexus Brachalgy, Brachi-Algies, and Meralgia Paresthetica.

Claims use since Sept. 28, 1938.

Ser. No. 414,793. THE MENNEN COMPANY, Newark, N. J. Filed Jan. 13, 1939.

QUINSANA

For Medicated Powder To Be Used for the Treatment of Athlete's Foot and as a Deodorant Powder.

Claims use since Jan. 4, 1939.

Ser. No. 414,854. AGRICULTURAL INSECTICIDE CO. INC., Belle Glade, Fla. Filed Jan. 16, 1939.

MINERALITE

For Plant Spray.

Claims use since Mar. 17, 1936.

Ser. No. 414,860. THE CONRAD COMPANY, Atlanta, Ga. Filed Jan. 16, 1939.

RETONGA

For Stomachic and Alterative Preparation.

Claims use since Oct. 2, 1937.

Ser. No. 414,945. COTY, INC., New York, N. Y. Filed Jan. 18, 1939.

BALLERINA

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.

Claims use since Jan. 14, 1939.

Ser. No. 414,971. TOKALON CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

VITAFORCE

For Medicinal Preparation for Use in the Treatment of Fatigue, Weakness, and Nervousness, and for Use in Convalescence.

Claims use since Dec. 1, 1938.

Ser. No. 414,972. TOKALON CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

VITA-MIC

For Medicinal Preparation for Use in the Treatment of Fatigue, Weakness, and Nervousness, and for Use in Convalescence.

Claims use since Dec. 1, 1938.

Ser. No. 414,997. HUNTER-NORTHCOTT CHEMICAL LABORATORIES, Los Angeles and Hollywood, Calif. Filed Jan. 19, 1939.

FREE-FLOW

For Solvents for Use in Opening, Cleansing, and Deodorizing Drain Pipes.

Claims use since Dec. 31, 1930.

Ser. No. 415,420. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Jan. 30, 1939.

PENEGLO

For Laundry Starch.

Claims use since Dec. 23, 1938.

Ser. No. 415,510. ISAAC H. HELLMAN, doing business as Hellman Laboratory, St. Louis, Mo. Filed Feb. 2, 1939.

GOLDEN PRINCESS

For Perfume.

Claims use since Jan. 25, 1939.

Ser. No. 415,511. ISAAC H. HELLMAN, doing business as Hellman Laboratory, St. Louis, Mo. Filed Feb. 2, 1939.

INDRA

For Cosmetics and Toilet Preparations—Namely, Perfume and Cologne.

Claims use since Dec. 15, 1938.

Ser. No. 415,575. J. R. ARNOLD, doing business as Mountain State Products Co., Wellsburg, W. Va. Filed Feb. 4, 1939.

FOURBOURNE

For Ointment for Treating Burns, Cuts, Chapped Hands, and Chafed Skin.

Claims use since Sept. 28, 1938.

Ser. No. 415,576. J. R. ARNOLD, doing busines as Mountain State Products Co., Wellsburg, W. Va. Filed Feb. 4, 1939.

HBP

For Medicinal Preparation in Tablet Form for Use as a Laxative in Cases of High Blood Pressure.

Claims use since Sept. 28, 1938.

Ser. No. 415,577. J. R. ARNOLD, doing business as Mountain State Products Co., Wellsburg, W. Va. Filed Feb. 4, 1939.

KNOWSAID

For Nonalcoholic Watery Jelly that is Antiseptic to Nasal Cavities and Membranes, and for Congestion and Engorgement of Nasal Catarrh Either Acute or Chronic.

Claims use since Sept. 28, 1938.

Ser. No. 415,633. CASTILIAN PRODUCTS CORP., Los Angeles, Calif. Filed Feb. 6, 1939.

CHUKKER

For Cologne, Skin Lotion, Perfume, After Shave Lotion, Face Powder, Cleansing Cream, All Purpose Cream, Face Cream, Hand Lotion, Hand Cream, Tissue Cream, Toilet Water, and Hair Oil.

Claims use since Dec. 10, 1938.

Ser. No. 415,635. CASTILIAN PRODUCTS CORP., Los Angeles, Calif. Filed Feb. 6, 1939.

STEEPLE CHASE

For Cleansing Cream, All Purpose Cream, Skin Lotion, After Shave Lotion, Tissue Cream, Face Cream, Perfume, Cologne, Face Powder, Hand Cream, Hand Lotion, and Hair Oil.

Claims use since Dec. 10, 1938.

Ser. No. 415,719. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Feb. 7, 1939.

HAIRLOOM

For Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Eye Lotions, Skin Lotions, After Shaving Lotions, Face Powders, Body Powders, Sachets, Bath Powders, Tooth Powders, Nail Powders, Camphor Creams, and Foot Powders.

Claims use since Jan. 17, 1939.

Ser. No. 415,721. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Feb. 7, 1939.

HERITAGE

For Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Eye Lotions, Skin Lotions, After Shaving Lotions, Face Powders, Body Powders, Sachets, Bath Powders, Tooth Powders, Nail Powders, Camphor Creams, and Foot Powders.
Claims use since Jan. 17, 1939.

Ser. No. 415,827. BONNE BELL, INC., Cleveland, Ohio. Filed Feb. 9, 1939.

"GADABOUTS"

For Flannel Pads Saturated with Skin Lotion, Skin Lotion, Cleansing Cream, Tissue Cream, Muscle Oil Cream, Plastic Face Cream, Hand Cream, Foundation Lotion, Astringents, Pore Corrector, Powder Face Packs, Face Powder, Cream Rouge, Compact Rouge, Lip Sticks, Lip Stick Refills, Lip Rouge, Eye Shadow, Chemical Preparations for the Darking of Eyebrows, Eyebrow Pencils, Nail Polish, Nail Polish Removers, Cuticle Oil, Bath Salts, Perfumes, and Deodorants.
Claims use since December, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 409,740. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Aug. 18, 1938.

HUMI-JAR

The word "Jar" is disclaimed apart from the mark.
For Widemouth Glass Jars or Containers, Sold Empty, for Cigars and the Like.
Claims use since July 7, 1938.

CLASS 12

Construction Materials

Ser. No. 404,404. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio. Filed Mar. 23, 1938.

FORMICA

REALWOOD

The word "Realwood" is disclaimed apart from the mark.
For Decorative Laminated Paneling.
Claims use since Dec. 15, 1937.

Ser. No. 408,738. ERIC SIOFRID PERSSON, Malmo, Sweden. Filed July 19, 1938.

PERSPECTIVE

For Windows, Doors, Window and Door Screens, Shutter Blinds, and Weather Stripping.
Claims use since January, 1937.

Ser. No. 410,749. RED CEDAR SHINGLE BUREAU, Seattle, Wash. Filed Sept. 19, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

CERTIGRADE

For Red Cedar Shingles.
Claims use since Feb. 16, 1935.

Ser. No. 412,129. MARTIN FRANCIS GAGNIER, doing business as Insulaire Company, Detroit, Mich. Filed Oct. 28, 1938.

INSULAIRE

For Guide Channel Members for Use in Storm Window Constructions.
Claims use since Aug. 17, 1936.

Ser. No. 414,767. ARTIC ROOFINGS, INC., Edge Moor, Del. Filed Jan. 13, 1939.

The Roof of the World

No claim is made to the word "Roof" apart from the mark.
For Composition Shingles and Roll Roofing.
Claims use since Oct. 14, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 402,888. JOSEPH A. KAPLAN, INC., New York, N. Y. Filed Feb. 9, 1938.

Petalsilk

For Shower Curtains.
Claims use since Jan. 3, 1938.

Ser. No. 414,316. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 29, 1938.



The mark consists of a yellow band encircling the valve stem. No claim is made to the representation of the goods.
For Tire Valve Stems.
Claims use since October, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 407,060. BRISKE & PROHL, Berlin, Germany. Filed June 3, 1938.

Magnesal

For Magnesium Alloys, and Castings and Forgings, Rolled Sheets, and Extruded or Pressed Rods and Bars Made of Magnesium Alloys.
Claims use since 1936.

CLASS 15

Oils and Greases

Ser. No. 372,136. THE LUBRI-ZOL CORPORATION, Cleveland and Wickliffe, Ohio. Filed Nov. 30, 1935.

SOLVENOIL

For Lubricating Oils.
Claims use since Nov. 21, 1935.

Ser. No. 413,490. STATEN ISLAND HOME UTILITIES, INC., Port Richmond and Staten Island, N. Y. Filed Dec. 5, 1938.



The words "Hi-Test" are disclaimed apart from the mark.
For Gasoline.
Claims use since Jan. 15, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 414,757. STANDARD VARNISH WORKS, Staten Island, N. Y. Filed Jan. 12, 1939.



The colors red, black, and white are claimed as features of the mark.
For Dry, Ready-Mixed, and Paste Paints; Sealers, Primers, Undercoaters, Paint Enamels, Blending and Glazing Liquids in the Nature of Varnishes, and Varnishes.
Claims use since Nov. 1, 1936.

Ser. No. 414,897. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 16, 1939.

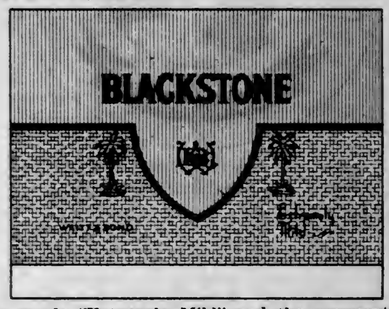
MASTER·MIXED
LONG·LIFE

Applicant disclaims the words "Mixed" and "Long-Life" apart from the mark.
For House Paint.
Claims use since Nov. 24, 1937.

CLASS 17

Tobacco Products

Ser. No. 414,210. WAITT & BOND, INC., Newark, N. J. Filed Dec. 24, 1938.



The words "Extremely Mild" and the representation of the label are disclaimed apart from the mark. The drawing is lined for red and gold.
For Cigars.
Claims use since Sept. 15, 1934.

Ser. No. 414,602. JOHN B. MURPHY, Minneapolis, Minn. Filed Jan. 7, 1939.

Streamliner

For Cigars, Cigarettes, Smoking and Chewing Tobacco.
Claims use since Dec. 23, 1938.

Ser. No. 414,677. L. ARONOWITZ, doing business as Royal Canadian Tobacco Company, Toronto, Ontario, Canada. Filed Jan. 11, 1939.

ARM-CHAIR CLUB

For Cigarettes, Cigars, and Smoking Tobacco.
Claims use since Feb. 1, 1938.

Ser. No. 414,678. L. ARONOWITZ, doing business as Royal Canadian Tobacco Company, Toronto, Ontario, Canada. Filed Jan. 11, 1939.

GLENCASTLE

For Cigarettes, Cigars, and Smoking Tobaccos.
Claims use since Jan. 1, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,262. DOUGLAS AIRCRAFT COMPANY, INC., Santa Monica, Calif. Filed Aug. 11, 1937.

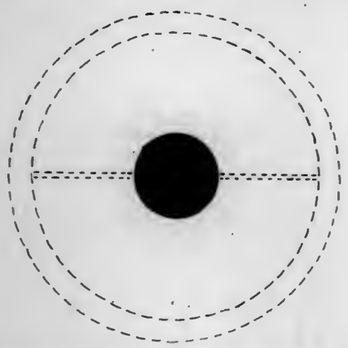


For Airplanes and Structural Parts Thereof.
Claims use since 1924.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 412,313. TRIPPE MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 2, 1938.



The mark consists of a disk substantially centrally positioned in the front of a lamp for vehicles. The representation of the lamp per se is disclaimed.
For Electric Head Lamp for Vehicles.
Claims use since Oct. 1, 1933.

Ser. No. 413,202. STALEY ELEVATOR COMPANY, INC., New York, N. Y. Filed Nov. 26, 1938.

LEVELATOR

For Electric Passenger and Freight Elevators and Parts Thereof.
Claims use since Nov. 17, 1938.

Ser. No. 415,077. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 21, 1939.

Rocket

For Storage Batteries.
Claims use since Sept. 26, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 392,306. AMERICAN CHARACTER DOLL CO. INC., New York, N. Y. Filed May 5, 1937.

Bottie Babe

For Dolls.
Claims use since Feb. 1, 1937.

Ser. No. 414,028. WILLIAM T. GRAFF, JR., White Plains, N. Y. Filed Dec. 20, 1938.

SUNDAY DRIVER

For Games—To Wit, a Board Game Played with Movable Pieces.
Claims use since Nov. 2, 1938.

Ser. No. 415,249. L. S. HENDERSON, doing business as King Du-G Co., Parsons, Kans. Filed Jan. 26, 1939.

KING DŪ-G

(DOO JĒ)

For Board Games Played with Movable Pieces.
Claims use since Sept. 16, 1937.

Ser. No. 415,744. SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 7, 1939.

ROTAREE

For Fly Boxes.
Claims use since July 1, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 402,146. THE STANLEY WORKS, New Britain, Conn. Filed Jan. 20, 1938. Under section 5b of the act of 1905 as amended in 1920.

STANLEY

Applicant claims ownership of U. S. trade-mark registration #67,119 issued Jan. 14, 1908 (and renewed), under the 10-year proviso of the act of Feb. 20, 1905.
For Planes, Fibre Board Cutters, Scrapers, Spoke Shaves, Bit Braces, Hand Drills, Breast Drills, Bit Extensions, Countersinks, Doweling Jigs, Screwdrivers, Screwdriver Bits, Mallets, Chisels, Hollow Handle Tool Sets Comprising Gimlet, File, Saw, Chisel, Reamer, Scratch Awl, Brad Awl, Screw Driver and Tack Puller; Vises, Saw Sets, Nail Sets, Center Punches, Ice Picks, Awls, Bench Stops, Hammers, Hatchets; Dowel and Rod Turning Machines, Shoot Board and Plane, Mitre Vises, Mitre Cutters, Mitre Sanders, Butt Mortisers, Trowels, Forks, Cultivators, Dibbles, Transplanters and Weed Cutters.
Claims use since Dec. 21, 1937, on mitre vises; since Jan. 5, 1938, on dowel and rod turning machines, shoot board and plane, mitre cutters, mitre sanders, and butt mortisers; since Feb. 3, 1931, on trowels, forks, cultivators, dibbles, transplanters, and weed cutters; and since Jan. 30, 1902, on the other goods.

Ser. No. 407,597. MAINE STEEL, INC., South Portland, Maine. Filed June 17, 1938.

MULTI-TILLER

The word "Tiller" is disclaimed apart from the mark.
For Machines for Soil Cultivation and Parts of Such Machines.
Claims use since Apr. 29, 1938.

Ser. No. 413,303. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Nov. 30, 1938.

SCOOPULA

For Stainless Steel Hand Tool Used in Picking Up, Transferring, and Dispensing Materials Such as Chemical Salts.
Claims use since Nov. 25, 1938.

Ser. No. 413,801. SPACARB, INC., Jersey City, N. J. Filed Dec. 13, 1938.



The picture is fanciful.
For Coin-Operated Beverage Dispensing Machines.
Claims use since Oct. 15, 1938.

Ser. No. 413,836. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Dec. 14, 1938.

MICROFINISH

For Rotary Honing and Grinding Tools for Finishing Cylinder Bores or the Like.
Claims use since Nov. 30, 1938.

Ser. No. 413,837. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed Dec. 14, 1938.

HYDROLOC

For Rotary Honing and Grinding Tools for Finishing Cylinder Bores or the Like.
Claims use since Nov. 30, 1938.

Ser. No. 415,072. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Jan. 21, 1939. Under section 5b of the act of 1905 as amended in 1920.

CAPEWELL

For Planes and Hammers.
Claims use since Oct. 28, 1937.

Ser. No. 415,075. A. P. DESANNO & SON, INC., Philadelphia and Phoenixville, Pa. Filed Jan. 21, 1939.

RADIAC DESOUTTER

For Portable Grinding Machines Utilizing Abrasive Wheels.
Claims use since January, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 402,145. THE STANLEY WORKS, New Britain, Conn. Filed Jan. 20, 1938. Under section 5b of the act of 1905 as amended in 1920.

STANLEY

Applicant claims ownership of U. S. trade-mark registration #66,675 issued Dec. 17, 1907 (and renewed) under the 10-year proviso of the act of Feb. 20, 1905.
For Rules, Levels, Plumbs, Trammel Points, Level Sights, Bit Gauges, Squares, Bevels, Angle Dividers, Marking Gauges, Butt Gauges, and Odd Jobs Being a Combination Tool Used for Level, Plumb, Try Square, Mitre Square, Bevel, Scratch Awl, Depth Gauge, Marking Gauge, Mortise Gauge, Beam Compass and Rule; Plumb Bobs, and Mitre Boxes.
Claims use since Dec. 21, 1937, on mitre boxes, and since Jan. 30, 1902, on the other goods.

Ser. No. 413,529. THE ZIP ABRASIVE COMPANY, Cleveland, Ohio. Filed Dec. 6, 1938.

OIL-EYE

For Liquid Level Gauges.
Claims use since Oct. 19, 1938.

Ser. No. 415,015. SYNCHRO-LOCK, INC., Boston, Mass. Filed Jan. 19, 1939.

SYNCHRO LOCK MASTER

For Apparatus Including a Meter, a Switch, and Necessary Wiring, for Use in Effecting the Synchronization of a Plurality of Internal Combustion Engines.
Claims use since Jan. 18, 1939.

CLASS 27

Horological Instruments

Ser. No. 413,432. THE ANSONIA CLOCK COMPANY, INC., New York, N. Y. Filed Dec. 3, 1938.

SKOPE

For Electric Clocks.
Claims use since Oct. 12, 1938.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 414,740. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Jan. 12, 1939.

STARLIGHT

For Silver-Plated Flatware for Table Use and the Like.
Claims use since Jan. 3, 1939.

Ser. No. 415,226. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Jan. 25, 1939.

DRINKMASTER

For Silverplated Flatware.
Claims use since Dec. 14, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 406,454. LACTONA, INCORPORATED, St. Paul, Minn. Filed May 18, 1938.

Tooth-Tip

For Devices for Oral Hygiene, Particularly Tooth Brushes, Massage Elements for Oral Hygiene, and Combined Tooth Brushes and Massage Elements.
Claims use since Feb. 23, 1938.

CLASS 32

Furniture and Upholstery

Ser. No. 403,803. CAPITOL BEDDING CO., Hartford, Conn. Filed Apr. 28, 1938.



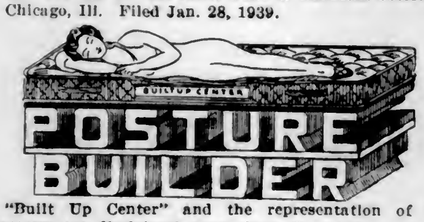
No claim is made to the words "Inner Spring" and "Its Quality Rings True" apart from the mark.
For Mattresses, Box Springs, and Upholstered Furniture.
Claims use since Jan. 15, 1938.

Ser. No. 414,641. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill. Filed Jan. 9, 1939.

Body-Balance

For Spring Assemblies for Upholstery and Upholstery Units Equipped with Spring Assemblies Such as Mattresses and Cushions.
Claims use since Dec. 1, 1938.

Ser. No. 415,358. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Filed Jan. 28, 1939.



"Built Up Center" and the representation of the mattress are disclaimed apart from the mark.
For Mattresses.
Claims use since June 3, 1936.

Ser. No. 415,774. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 8, 1939.

GOODYEAR

For Cushions, Pillows, Mattresses, Seats, Arm Rests, Pads.
Claims use since May 19, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 406,715. HOME OIL HEATING COMPANY, Passaic, N. J. Filed May 25, 1938.



All wording is disclaimed except in the association shown.
For Oil Burners.
Claims use since April, 1937.

Ser. No. 414,228. FRANK KELLEY, INC., Elkins Park, Pa. Filed Dec. 27, 1938.

nu-RESCENT

For Light Reflector for Electric Lamps.
Claims use since Aug. 1, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 415,624. AZOR CORPORATION, Newark, N. J. Filed Feb. 6, 1939.

AZOR

For Joint Packing.
Claims use since Jan. 27, 1939.

Ser. No. 415,625. AZOR CORPORATION, Newark, N. J. Filed Feb. 6, 1939.



For Joint Packing.
Claims use since Apr. 26, 1938.

Ser. No. 415,661. MUSKEGON PISTON RING COMPANY, Muskegon, Mich. Filed Feb. 6, 1939.

GRAPHITOX

For Piston Rings.
Claims use since Aug. 15, 1938.

Ser. No. 415,717. THE KELLY-SPRINGFIELD TIRE COMPANY, Cumberland, Md. Filed Feb. 7, 1939. Under 10-year proviso.

KELLY
Springfield

For Tires Composed Wholly or Principally of Rubber and Inner Tubes Therefor.
Claims use since 1894.

Ser. No. 415,909. NATIONAL ENGINEERING PRODUCTS, INC., Washington, D. C. Filed Feb. 10, 1939.

Rodpax

For Metallic Plastic Packing.
Claims use since Feb. 2, 1939.

Ser. No. 416,026. THE ARMSTRONG RUBBER COMPANY, INC., West Haven, Conn. Filed Feb. 15, 1939.

HEATMASTER

For Tire Casings of Rubber and Similar Compounds.
Claims use since Dec. 12, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 414,366. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Dec. 30, 1938.

V

For Needles for Talking Machines.
Claims use since Oct. 28, 1938.

Ser. No. 414,978. AEOLIAN AMERICAN CORPORATION, New York, N. Y. Filed Jan. 19, 1939.

SYMETRIGRAND

For Pianos.
Claims use since July, 1907.

Ser. No. 414,989. EMPIRE BROADCASTING CORPORATION, New York, N. Y. Filed Jan. 19, 1939.

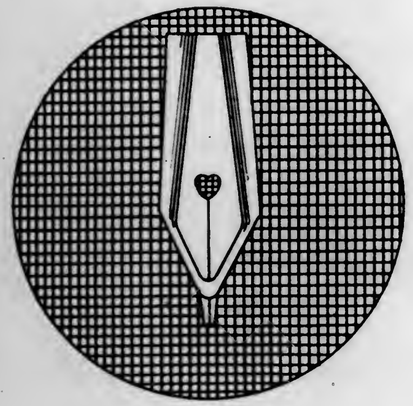
MONITROL

For Electrical Transcriptions.
Claims use since Nov. 23, 1938.

CLASS 37

Paper and Stationery

Ser. No. 401,670. DAVID KAHN, INC., North Bergen, N. J. Filed Jan. 7, 1938.



Applicant disclaims the representation of the pen point except as shown. The circular disc is lined for black.
For Fountain Pens.
Claims use since Apr. 1, 1937.

Ser. No. 407,338. VAN CLEEF BROS., Chicago, Ill. Filed June 10, 1938.

Dec-o Tape

The word "Tape" is disclaimed apart from the mark.
For Permanently Tacky, Adhesive Type Tape Having a Paper Base and Adapted for Decorative Use and Package Sealing Purposes.
Claims use since Feb. 22, 1938.

Ser. No. 408,326. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 8, 1938.

Copy-King

For Duplicating Devices Particularly Those for Transferring Ink by Means of a Body of Gelatin.
Claims use since Mar. 18, 1938.

Ser. No. 409,712. THE STEVENS PAPER MILLS, INCORPORATED, Westfield, Mass. Filed Aug. 17, 1938.

THINSUL PAPERS

Applicant disclaims the word "Papers" apart from the mark.
For Condenser Paper.
Claims use since June 15, 1938.

Ser. No. 410,088. JAY ROGERS, Brooklyn, N. Y. Filed Aug. 29, 1938.

PEN-O-MATIC

For Fountain Pens and Pencils.
Claims use since Aug. 1, 1938.

Ser. No. 413,896. CLOPAY CORPORATION, Cincinnati, Ohio. Filed Dec. 16, 1938.

LAMINAY

For Cover Paper.
Claims use since Nov. 15, 1938.

Ser. No. 413,897. CLOPAY CORPORATION, Cincinnati, Ohio. Filed Dec. 16, 1938.

MODAY

For Cover Paper.
Claims use since Nov. 15, 1938.

Ser. No. 414,670. THE SPENCERIAN PEN COMPANY, New York, N. Y. Filed Jan. 10, 1939.

RITEYRACER

For Combination Pen and Ink Eraser.
Claims use since Dec. 30, 1938.

Ser. No. 414,700. GENE KAPP, New York, N. Y. Filed Jan. 11, 1939.

SURETY-PEN

The word "Pen" is disclaimed.
For Pens, Fountain Pens, and Pencils.
Claims use since Dec. 24, 1938.

Ser. No. 415,327. CONSOLIDATED COVER CO., San Francisco, Calif. Filed Jan. 28, 1939.

CONSECO

For Self-Disposing Paper Toilet Seat Covers.
Claims use since Jan. 12, 1939.

Ser. No. 415,614. S. E. & M. VERNON, INC., New York, N. Y. Filed Feb. 4, 1939.

MASTER SIX

For Composition Books, Loose Leaf Fillers and Binders.
Claims use since Nov. 15, 1938.

CLASS 38

Prints and Publications

Ser. No. 413,046. JOHN JASPER, New York, N. Y. Filed Nov. 22, 1938.

WYBADIITU

For Printed Advertising Signs and Printed Billboard Sheets Sold as Such Made of Paper and Cardboard.
Claims use since Nov. 1, 1938.

Ser. No. 413,588. MCBREST & MCBREST, INC., New York, N. Y. Filed Dec. 8, 1938.

WHERE TO GO

For Publication in Magazine Form Published Weekly.
Claims use since Feb. 19, 1936.

Ser. No. 414,062. BENJAMIN F. FEINER JR., New York, N. Y. Filed Dec. 21, 1938.

TRIAK

For Photographic Prints.
Claims use since Nov. 11, 1938.

Ser. No. 414,472. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Jan. 3, 1939.

SHELL-VUE

For Window Posters.
Claims use since Oct. 24, 1938.

Ser. No. 414,545. JAMES ELLIOTT MOONEY, Philadelphia, Pa. Filed Dec. 31, 1938.

Youths Digest



For Periodically Published Magazine Known as Youth's Digest.
Claims use since Aug. 5, 1938.

Ser. No. 414,680. BEEKMAN AITKEN, doing business as Trade Mark Protectors, New York, N. Y. Filed Jan. 11, 1939.

PROTECTION

For Annual Publication With Regard to the Selection and Protection, Through Registration and Copyright, of Trade-Marks, Slogans, Designs, Labels, Prints, and Advertising Materials.
Claims use since Jan. 3, 1939.

Ser. No. 414,827. LISTENERS DIGEST, INC., New York, N. Y. Filed Jan. 14, 1939.

LISTENERS
DIGEST

For Magazine or Periodical Published Monthly.
Claims use since Dec. 21, 1938.

CLASS 39

Clothing

Ser. No. 402,881. THE MAGIC SNAP-ON DRESS CO., INC., New York, N. Y. Filed Jan. 27, 1938.

MAGIC

For Clothing, Particularly Women's and Misses' Dresses.
Claims use since Jan. 15, 1937.

Ser. No. 403,371. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Feb. 24, 1938.

Collar-Aid

The word "Collar" is disclaimed apart from the mark.
For Men's Dress Shirts and Collars.
Claims use since Dec. 1, 1937.

Ser. No. 412,701. ELLEN KAY KNITTING MILLS, INC., San Francisco, Calif. Filed Nov. 14, 1938.

TEE TO TEA
Togs

No claim is made to the word "Togs" apart from the mark.
For Knitted Sportwear—Viz., Dresses, Suits, Sweaters, and Skirts for Women and Misses.
Claims use since Sept. 10, 1938.

Ser. No. 414,172. LOUIS WEINBERG, doing business as Wonder Clothes, Baltimore, Md. Filed Dec. 23, 1938.

Cameltop Fleece

The word "Fleece" is disclaimed apart from the mark.
For Men's Overcoats and Topcoats Containing a Substantial Content of Camel's Hair.
Claims use since Dec. 8, 1938.

Ser. No. 414,324. RUSSEKS FIFTH AVENUE, INC., New York, N. Y. Filed Dec. 29, 1938.

"FUNDAMENTAL"

For Clothing for Women—Namely, Ladies' and Misses' Dresses, Coats, Suits, Gowns, Evening Gowns, Afternoon Gowns, and Dinner Gowns, the Same Being Made of Silk, Satin, Cotton, Wool, Worsted, and Combination of Cotton, Silk, Satin, Wool, or Worsted, of Knit Goods, and of Rayon.
Claims use since Sept. 1, 1938.

Ser. No. 414,501. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Jan. 4, 1939.

LORRAINE
KASHALORA

Applicant is the owner of the registered trade-mark "Lorraine", registration Number 330,739, effected under the 10-year proviso.
For Women's and Misses' Skirts, Waists, Suits, Coats, Dresses, and Pajamas; Children's Rompers, Dresses, and Suits; Men's and Boys' Suits, Coats, and Trousers.
Claims use since Sept. 1, 1938.

Ser. No. 414,688. CHEERFUL FROCKS, INC., New York, N. Y. Filed Jan. 11, 1939.

SWANKY DEB

For Women's and Misses' Dresses, Coats, and Suits.
Claims use since Dec. 1, 1938.

Ser. No. 414,727. DAVID CRYSTAL, INC., New York, N. Y. Filed Jan. 12, 1939.

Linisette

For Ladies' and Misses' Dresses.
Claims use since Dec. 16, 1938.

Ser. No. 414,939. ADELAAR BROS., INC., New York, N. Y. Filed Jan. 18, 1939.

Adelaar

Trade-mark is the facsimile of the surname of Emil Adelaar, president of applicant corporation, as signed by him.
For Women's, Misses', and Juniors' Blouses, Shirts, Skirts, and Dresses.
Claims use since Jan. 12, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 411,774. THOMAS FRENCH & SONS, LTD., New York, N. Y. Filed Oct. 19, 1938.

WEFTLESS



Applicant disclaims the word "Weftless" except as shown.
For Ladder Webbing.
Claims use since Apr. 30, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 402,333. THE ESMOND MILLS, New York, N. Y. Filed Jan. 26, 1938.

Fox

For Blankets.
Claims use since Oct. 29, 1937.

Ser. No. 407,996. STITT & HOWELL, INC., New York, N. Y. Filed June 28, 1938.

Bannockburn

For Rugs.
Claims use since Mar. 15, 1938.

Ser. No. 410,138. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Aug. 31, 1938.



The word "Fabric" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since Aug. 10, 1938.

Ser. No. 414,820. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 14, 1939.

WHISPERING TAFFETA

No claim is made to the word "Taffeta" apart from the mark.
For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Jan. 11, 1939.

Ser. No. 414,853. SAMUEL SERWER & SONS, New York, N. Y. Filed Jan. 16, 1939.

RED EDGE

For Textile Fabrics in the Piece—Namely, Silk Fabrics, Rayon Fabrics, Cotton Fabrics, and/or Combinations Thereof.
Claims use since January, 1936.

CLASS 43

Thread and Yarn

Ser. No. 415,207. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Jan. 25, 1939.

M. K. G.

For Thread.
Claims use since Aug. 31, 1926.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 413,862. ELGIN LABORATORIES, INC., Chicago, Ill. Filed Dec. 15, 1938.

SUNMASTER

For Electric Lamps for Use as a Therapeutic Agent.
Claims use since Nov. 12, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 410,745. MR. NEWPORT, INC., Chicago, Ill. Filed Sept. 19, 1938.



Applicant disclaims the word "Newport" apart from the mark.
For Nonalcoholic Maltless Beverages.
Claims use since Sept. 8, 1938.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 383,939. POPCORN GROWERS AND DISTRIBUTORS, INC., Wall Lake, Iowa. Filed Oct. 3, 1936.

BUTTER-FLAKE



For Pop Corn in Its Natural State.
Claims use since Apr. 1, 1932.

Ser. No. 401,776. FROZEN NOVELTIES, INC., Long Island City, N. Y. Filed Jan. 11, 1938.

FRUITI-FROST

The word "Fruiti" is disclaimed.
For Frozen Confections.
Claims use since Oct. 15, 1937.

Ser. No. 404,856. E. F. LANE & SON, San Francisco, Calif. Filed Apr. 4, 1938.

Lane's

For Peanut Butter and Roasted Peanuts in the Shell.
Claims use since November, 1935, on peanut butter; since June, 1936, on roasted peanuts in the shell.

Ser. No. 405,197. COOLS, INC., Detroit, Mich. Filed Apr. 13, 1938.

COOLS

For Candies.
Claims use since Oct. 5, 1937.

Ser. No. 405,268. PYRAMID COMMERCIAL CORPORATION, New York, N. Y. Filed Apr. 14, 1938.

AURORA D'ORO



For Edible Oils, Olive Oils, Rice, and Conserves.
Claims use since July, 1937.

Ser. No. 407,966. O-PEE-CHEE COMPANY LIMITED, London, Ontario, Canada. Filed June 25, 1938.

Thrills

For Chewing Gum.
Claims use since June 1, 1934.

Ser. No. 408,564. CONNELL BROS. COMPANY LIMITED, San Francisco, Calif. Filed July 16, 1938.

WINGED WHEEL



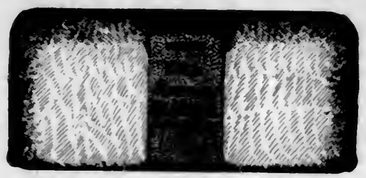
For Wheat Flour, Fresh Grapes, Apples, Pears, Plums, Oranges, Lemons, and Canned Fish.
Claims use since 1931 on flour; since May, 1936, on other products.

Ser. No. 411,563. ASSOCIATED BISCUIT CO., also doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Filed Oct. 13, 1938.

FRESHEES

For Crackers in Various Shapes Including Crackers Containing or Sprayed With a Vegetable Oil.
Claims use since Oct. 8, 1938.

Ser. No. 413,304. THE W. J. FITZPATRICK COMPANY, Chicago, Ill. Filed Nov. 30, 1938.



The trade-mark consists of a gold band bearing red and blue lettering reading "Made With All Creamery Butter No Other Shortening Used", and having straight parallel sides and encircling the goods substantially in the central portion of the length thereof and having a width not greater than one-third the length of the goods. The representation of a loaf of bread and the exclusive right to the use of a label colored gold are disclaimed and the particular wording is disclaimed apart from the mark shown.
For Bread.
Claims use since June 24, 1938.

Ser. No. 414,609. HOLLAND FOOD CORPORATION, New York, N. Y. Filed Dec. 31, 1938.



The applicant is the owner of United States registration #100,123 granted to applicant on the 6th day of October, 1914.
For Cheese.
Claims use since December, 1931.

Ser. No. 414,674. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Jan. 10, 1939.

CHASE AND SANBORN

SEAL BRAND

No claim is made to the word "Brand" except as shown. Applicant is owner of T. M. Reg. Nos. 214,918, 282,909, and 287,441 effected under the 10-year proviso.
For Coffee.
Claims use since Feb. 1, 1888.

Ser. No. 414,855. AMERICAN SOYA PRODUCTS CORPORATION, Evansville, Ind. Filed Jan. 16, 1939.

BINDEX

For Food Product Ingredients—Namely, Soya Bean Flour and Added Gums Used in Sausages and the Like.
Claims use since Jan. 9, 1939.

Ser. No. 414,891. RIVIERA PACKING COMPANY, Oakland, Calif. Filed Jan. 16, 1939.

RIOLA

For Prepared Food Products—Namely, Canned Raviolis in Italian Style Sauce.
Claims use since Jan. 3, 1939.

Ser. No. 414,955. JOE LOWE CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

CAKESICLE

For Frozen Confections and Crackers.
Claims use since Nov. 28, 1938.

Ser. No. 414,956. JOE LOWE CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

CONESICLE

For Frozen Confections and Crackers.
Claims use since Nov. 28, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 413,516. LARGAY BREWING CO. INCORPORATED, Waterbury, Conn. Filed Dec. 6, 1938.



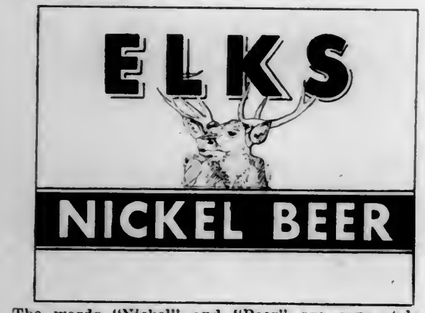
No claim is made to the word "Beer" or to the representation of the label per se.
For Barrelled and Bottled Beer.
Claims use since May 10, 1937.

Ser. No. 414,042. JACOB RUPPERT, New York, N. Y. Filed Dec. 20, 1938.



The words "Prize Medal" are disclaimed apart from the mark.
For Ale.
Claims use since Nov. 15, 1937.

Ser. No. 414,558. ELKS ORANGE-CRUSH BOTTLING CO., Leavenworth, Kans. Filed Jan. 6, 1939.



The words "Nickel" and "Beer" are separately disclaimed apart from the mark.
For Ale and Beer.
Claims use since Dec. 22, 1938.

Ser. No. 414,619. BLOOM & KLEIN INC., Canton, Ohio. Filed Jan. 9, 1939.

BINGO Beer

The word "Beer" is disclaimed apart from the mark.
For Beer.
Claims use since Sept. 8, 1938.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 415,162. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Jan. 24, 1939.

Penn Hall

For Whiskey.
Claims use since July 1, 1936.

Ser. No. 415,606. NATIONAL CORDIAL CO., INC., Chicago, Ill. Filed Feb. 4, 1939.

NATKO

For Rock and Rye, Rock and Rum, Rock and Gin, Vermuth and Whiskey, Vermuth Bitters, Kummel, Bitters, Peppermint Schnapps, Sloe Gin, Crème de Menthe, Crème de Cocoa, Blackberry Liqueur, Cherry Liqueur, Peach Liqueur, and Apricot Liqueur.
Claims use since Mar. 28, 1935.

Ser. No. 415,616. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Feb. 4, 1939.

PIPE MAJOR

For Whiskey.
Claims use since Jan. 23, 1939.

Ser. No. 415,706. DOLAMORE, LIMITED, London, England. Filed Feb. 7, 1939.

BONNIE BAIRN

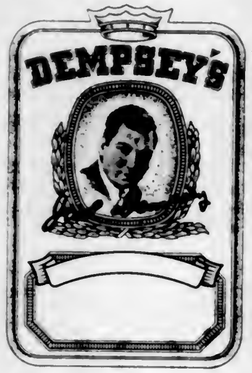
For Whisky, Brandy, Rum, Gin, and Other Potable Spirits.
Claims use since 1894.

Ser. No. 415,751. THE WILKEN FAMILY, INCORPORATED, New York, N. Y., Lawrenceburg, Ind., and Aladdin, Pa. Filed Feb. 7, 1939.



The portraits appearing on the drawing are those of Harry E. Wilken, Sr., now deceased, Harry E. Wilken, Jr., and William T. Wilken, who have consented to the use thereof. The full signature appearing on the drawing is a facsimile of the signature of Harry E. Wilken, Sr., deceased.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 11, 1938.

Ser. No. 415,929. JACK DEMPSEY & CO., INC., Baltimore, Md. Filed Feb. 3, 1939.



The portrait and signature are those of Jack Dempsey, president of applicant corporation.
For Whiskey.
Claims use since November, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 407,063. GLOBE AMERICAN CORPORATION, doing business as Makomb Steel Products Company, Kokomo, Ind., and Macomb, Ill. Filed June 3, 1938.



For Poultry Feeders, Incubators, Watering Fountains, Laying Cages, Brooders, Poultry Nests, and Roof Saddles and Roof Saddle Caps for Brooders.
Claims use since Dec. 10, 1937.

Ser. No. 410,095. SAMUEL L. KORNFELD, Wichita, Kans. Filed Aug. 29, 1938.

OIL ODDITIES

For Mats for Printed Media.
Claims use since Sept. 20, 1936.

Ser. No. 414,030. JOY PRODUCTS CORPORATION, Watertown, N. Y. Filed Dec. 20, 1938.

CELOSE

For Absorbent Pads Adapted to Be Used as Bed, Crib, and Hospital Pads, Bath Mats, Bibs, and for Other Purposes.
Claims use since September, 1938.

Ser. No. 414,637. MOULTON LADDER MANUFACTURING CO. Somerville, Mass. Filed Jan. 9, 1939. Under 10-year proviso.

HARVARD

For Ladders, Particularly Stepladders, and Extension Ladders.
Claims use since 1890.

Ser. No. 414,668. IRWIN OLENIK, New York, N. Y. Filed Jan. 10, 1939.

HI - I'M FROM

For Lapel Buttons, Badges, Medallions, Buttons with Pins, and Metal Identification Tags.
Claims use since Aug. 15, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 21, 1939

365,776. TRAVELLING BAGS, HAND BAGS, TRUNKS, POCKETBOOKS, SUIT-CASES, BILL FOLDS, PORTFOLIOS, AND TRAVELLING KITS—NAMELY, BAGS OR ROLLS FOR HOLDING TOILET OR OTHER ARTICLES FOR TRAVELLING. KITTY KELLY SHOE CORPORATION, New York, N. Y.

Filed August 15, 1935. Serial No. 368,334. PUBLISHED DECEMBER 27, 1938. Class 3.

365,777. WIND-DRIVEN ELECTRIC GENERATOR APPARATUS. PARRIS-DUNN CORPORATION, Clarinda, Iowa.

Filed March 9, 1937. Serial No. 389,849. PUBLISHED JUNE 15, 1937. Class 21.

365,778. BALMS TO BE USED AS A COUNTER-IRRITANT IN THE ALLEVIATING OF PAINS AND TO BE USED BY APPLYING TO THE AFFECTED PART BY RUBBING WITH THE HANDS UNTIL DRY. GERALD'S BALM, INC., Baltimore, Md.

Filed April 20, 1937. Serial No. 391,570. PUBLISHED JANUARY 10, 1939. Class 6.

365,779. PILE FABRICS COMPRISING COTTON, SILK, WOOL, MOHAIR, OR SYNTHETIC FIBERS, IN THE PIECE AND CUT LENGTHS. COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y.

Filed June 16, 1937. Serial No. 394,125. PUBLISHED DECEMBER 13, 1938. Class 42.

365,780. DUPLICATING FLUID. STANDARD MAILING MACHINES COMPANY, Everett, Mass.

Filed September 16, 1937. Serial No. 397,487. PUBLISHED NOVEMBER 29, 1938. Class 11.

365,781. INSTRUMENTS AND CONTROLS RESPONSIVE TO CHANGES IN PHYSICAL CONDITIONS—NAMELY, ELECTRO-THERMOSTATIC GAS VALVES, ROOM AND SPACE THERMOSTATS, ETC. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo.

Filed September 16, 1937. Serial No. 397,492. PUBLISHED JANUARY 10, 1939. Class 26.

365,782. WATER SOFTENER; INCLUDING WATER PERMEABLE CONTAINER AND MATERIAL CONTAINED THEREIN. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed October 2, 1937. Serial No. 398,065. PUBLISHED DECEMBER 27, 1938. Class 6.

365,783. SANITARY NAPKINS. WILLIAM D. YOUNG, New York, N. Y.

Filed October 19, 1937. Serial No. 398,696. PUBLISHED JANUARY 10, 1939. Class 44.

365,784. ELECTRIC TOASTERS, ELECTRIC SANDWICH TOASTERS, ELECTRIC ROOM HEATERS, ELECTRIC FLAT IRONS, AND ELECTRIC GRILL STOVES. KNAPP-MONARCH COMPANY, doing business as Chevron Co., St. Louis, Mo.

Filed October 25, 1937. Serial No. 398,907. PUBLISHED JANUARY 25, 1938. Class 21.

365,785. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, AND/OR COMBINATIONS THEREOF. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I.

Filed November 29, 1937. Serial No. 400,239. PUBLISHED JANUARY 10, 1939. Class 42.

365,786. PIPE GASKETS, PIPE LININGS AND ANNULAR PACKING ELEMENTS FOR PIPE OR SIMILAR JOINTS, MADE OF RUBBER OR SYNTHETIC RUBBER LIKE MATERIALS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.

Filed December 2, 1937. Serial No. 400,371. PUBLISHED MARCH 8, 1938. Class 35.

365,787. AUTOMOBILE WAX AND POLISH. CARR BURRELL, doing business as All-Wax Products of New Jersey, Irvington, N. J.

Filed December 24, 1937. Serial No. 401,323. PUBLISHED NOVEMBER 29, 1938. Class 16.

365,788. ENAMEL ADAPTED FOR COATING FINGER NAILS. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y.

Filed February 11, 1938. Serial No. 402,952. PUBLISHED DECEMBER 27, 1938. Class 6.

365,789. DENTURES, DENTAL SUPPLIES—NAMELY, PORCELAIN JACKET CROWNS, PORCELAIN BRIDGES, PORCELAIN INLAYS, ALL TYPES OF DENTAL GOLD-WORK, DENTAL RUBBER-WORK, DENTAL PORCELAIN WORK, AND DENTAL STAIN. NU-DENT PORCELAIN STUDIO INC., New York, N. Y.

Filed February 15, 1938. Serial No. 403,055. PUBLISHED JANUARY 10, 1939. Class 44.

365,790. HAIR TREATING PREPARATIONS, COSMETICS, AND SIMILAR PREPARATIONS—NAMELY, PASTEURIZED COLD CREAM, ALL PURPOSE CREAM, ETC. ALEX. HUDNUT PHARMACY OF N. Y. New York, N. Y.

Filed February 23, 1938. Serial No. 403,315. PUBLISHED JULY 26, 1938. Class 6.

365,791. ENAMEL ADAPTED FOR COATING FINGER NAILS. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y.

Filed February 25, 1938. Serial No. 403,422. PUBLISHED DECEMBER 27, 1938. Class 6.

365,792. BLEACHING COMPOSITIONS FOR REMOVING COLORS AND STAINS FROM VARIOUS ARTICLES, PARTICULARLY FOR REMOVING COLORS AND STAINS FROM FABRICS. RIT PRODUCTS CORPORATION, Chicago, Ill.

Filed March 7, 1938. Serial No. 403,785. PUBLISHED JANUARY 3, 1939. Class 6.

365,793. FIRE HYDRANT REFLECTING SIGNALS TO AID FIREMEN IN QUICKLY FINDING THEM. LACEY R. BLACKMAN MFG. CO., Bridgeport, Conn.

Filed March 15, 1938. Serial No. 404,076. PUBLISHED JANUARY 10, 1939. Class 34.

365,794. FIBRE SCREW ANCHORS FOR ANCHORING SCREWS IN MASONRY. THE RAWLPLUG COMPANY, INC., New York, N. Y.

Filed March 23, 1938. Serial No. 404,415. PUBLISHED JANUARY 10, 1939. Class 13.

365,795. FIBRE SCREW ANCHORS FOR ANCHORING SCREWS IN MASONRY. THE RAWLPLUG COMPANY, INC., New York, N. Y.

Filed March 23, 1938. Serial No. 404,416. PUBLISHED JANUARY 10, 1939. Class 13.

365,796. FIBRE SCREW ANCHORS FOR ANCHORING SCREWS IN MASONRY. THE RAWLPLUG COMPANY, INC., New York, N. Y.

Filed March 23, 1938. Serial No. 404,417. PUBLISHED JANUARY 10, 1939. Class 13.

365,797. TAPE BOUND TEXTILE AND METALLIC SCREENS FOR USE IN MACHINES FOR BOLTING, PURIFYING, AND SIFTING ALL KINDS OF GROUND PRODUCTS, SUCH AS FLOUR, GROUND CEREAL GRAINS, MINERALS, OR OTHER PRODUCTS THAT ARE NORMALLY HANDLED ON SIFTING MACHINES THAT REQUIRE EITHER FABRIC OR METALLIC SCREENS IN THE SIFTING OPERATION. ROBERT J. S. CARTER, Minneapolis, Minn.

Filed April 7, 1938. Serial No. 404,980. PUBLISHED NOVEMBER 1, 1938. Class 23.

365,798. APPARATUS FOR WASHING HOSIERY, LINGERIE, AND LIKE ARTICLES, WITH INCIDENTAL DELUSTERING, WATER-PROOFING, AND FINISHING FUNCTIONS, AND INCLUDING DRYING FORMS. SCHOLLER BROTHERS, INC., Philadelphia, Pa.

Filed April 23, 1938. Serial No. 405,668. PUBLISHED JANUARY 10, 1939. Class 24.

365,799. MUSICAL INSTRUMENTS CONSISTING OF CORNETS, TRUMPETS, FLUEGEL HORNS, TROMBONES, ALTO HORNS, FRENCH HORNS, MELLOPHONES, BARITONE HORNS, BASS HORNS, SOUSAPHONES, BUGLES, SAXAPHONES, AND CLARINETS. WILLIAM FRANK COMPANY, Chicago, Ill.

Filed May 2, 1938. Serial No. 405,923. PUBLISHED JANUARY 10, 1939. Class 36.

365,800. WOODFIBER NOVELTIES, METAL SPECIALTIES, AND ADVERTISING DISPLAYS—NAMELY, RELIGIOUS FIGURES, ADVERTISING FIGURES, PLAQUES, STATUES, AND ORNAMENTAL ANIMAL FIGURES OF ALL KINDS. PROTECTOSEAL COMPANY OF AMERICA, INC., doing business as Multi Products Co., Chicago, Ill.

Filed May 9, 1938. Serial No. 406,150. PUBLISHED JANUARY 10, 1939. Class 50.

365,801. WINDOW SQUEEGEE. W. J. DENNIS & COMPANY, Chicago, Ill.

Filed May 11, 1938. Serial No. 406,213. PUBLISHED JANUARY 10, 1939. Class 29.

365,802. BADMINTON SHUTTLECOCKS. BAUER'S SHUTTLES, INC., Seattle, Wash.

Filed May 13, 1938. Serial No. 406,276. PUBLISHED JANUARY 10, 1939. Class 22.

365,803. FLAVORING AND GARNISHING AND TOPPING PREPARATIONS OF THE CRUSHED FRUIT AND SYRUP TYPES FOR USE WITH ICE CREAM, MILK DRINKS, ICE CREAM SODAS, CAKES, PASTRY, AND THE LIKE. NESBITT FRUIT PRODUCTS, INC., Los Angeles, Calif.

Filed May 14, 1938. Serial No. 406,349. PUBLISHED JANUARY 10, 1939. Class 46.

365,804. DENTAL PLATE RELINING PREPARATION FOR THE PURPOSE OF BUILDING UP THE INSIDE CONTOURS OF DENTAL PLATES. ROBERT A. HOAG, Long Beach, Calif.

Filed May 18, 1938. Serial No. 406,450. PUBLISHED JANUARY 10, 1939. Class 44.

365,805. PICKLING SALTS. GESELLSCHAFT FÜR PÖKELSALZE INH. M. H. CARL SEIFERT, Berlin-Weissensee, Germany.

Filed May 26, 1938. Serial No. 406,757. PUBLISHED JANUARY 3, 1939. Class 6.

365,806. BATH SOLUTION, A PREPARATION IN LIQUID FORM FOR THE TREATMENT OF STIFFNESS OR SORENESS OF JOINT OR MUSCLE. FRANK W. SHEAN, Tucson, Ariz.

Filed June 4, 1938. Serial No. 407,113. PUBLISHED DECEMBER 27, 1938. Class 6.

365,807. TONIC, STOMACHIC STIMULANT TO THE APPETITE; AN ALTERATIVE AND TONIC BLOOD PURIFIER; A DIURETIC ELIMINANT, ETC. LOUIS A. PAPARELLI, Albuquerque, N. Mex.

Filed June 6, 1938. Serial No. 407,157. PUBLISHED JANUARY 3, 1939. Class 6.

365,808. PERFUMES, COLOGNE, AND TOILET WATER. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y.

Filed June 10, 1938. Serial No. 407,320. PUBLISHED SEPTEMBER 6, 1938. Class 6.

365,809. TOWELS AND TOWELLING, BATH MATS, AND TEXTILE FABRICS IN THE PIECE COMPOSED WHOLLY OR IN PART OF COTTON. JEAN BAPTISTE MARIE YVES ALEXANDRE DAVID DE BEUBLAIN, Saint-Etienne, France.

Filed June 14, 1938. Serial No. 407,460. PUBLISHED DECEMBER 13, 1938. Class 42.

365,810. PREPARATION FOR RELIEVING IRRITATION OF THE STUMP OF A LIMB SUPPORTED ON AN ARTIFICIAL LIMB. JAMES SPILLANE, doing business as Ampu-Balm Co., Los Angeles, Calif.

Filed June 15, 1938. Serial No. 407,506. PUBLISHED JANUARY 3, 1939. Class 6.

365,811. VACUUM CLEANING APPARATUS FOR MOTOR VEHICLES. WALTER C. REED, North Hollywood, Calif.

Filed June 20, 1938. Serial No. 407,689. PUBLISHED OCTOBER 4, 1938. Class 23.

365,812. FIBERBOARD SHIPPING CARTONS AND CASES. FIBREBOARD PRODUCTS INC., San Francisco, Calif.

Filed June 21, 1938. Serial No. 407,729. PUBLISHED JANUARY 10, 1939. Class 2.

365,813. DISINFECTANT, CHEMICAL SOAPLESS WASHING FLUID AND WATER SOFTENER, BLEACH, DEODORANT, GERMICIDE, BLUING, SOAPLESS SHAMPOO, AND MOTH CRYSTALS. WILLIAM F. HUEBNER, doing business as Hiaid Products Co., Milwaukee, Wis.

Filed June 30, 1938. Serial No. 408,058. PUBLISHED DECEMBER 27, 1938. Class 6.

365,814. HYBRID SEED CORN. EDWARD J. FUNK & SONS, Kentland, Ind.

Filed July 1, 1938. Serial No. 408,099. PUBLISHED JANUARY 10, 1939. Class 1.

365,815. LUMBER CUTTING MACHINES. DE WALT PRODUCTS CORPORATION, Lancaster, Pa.

Filed July 6, 1938. Serial No. 408,236. PUBLISHED DECEMBER 20, 1938. Class 23.

365,816. FUR SKINS. BRICKNER & BERNFELD, INC., New York, N. Y.

Filed July 7, 1938. Serial No. 408,261. PUBLISHED NOVEMBER 8, 1938. Class 1.

365,817. CONCENTRATED COMPOUND OF NATURAL VITAMIN CONCENTRATES WITH ADDED ORGANIC AND MINERAL SUBSTANCES USEFUL AS A PHYSIOLOGICALLY BALANCED FOOD SUPPLEMENT. VITAMIN PRODUCTS CO., Montebello, Calif.

Filed July 14, 1938. Serial No. 408,523. PUBLISHED JANUARY 10, 1939. Class 6.

365,818. PREPARATION FOR THE TREATMENT OF COCCIDIOSIS, TRICHOMOMASIS, ENTERITIS, MYCOSIS, AND BLACKHEAD IN CHICKENS AND TURKEYS. WILLIAM F. ARMSTRONG, doing business as The American Products Co., Shawnee, Kans., assignor to American Products Company, Inc., Shawnee, Kans.

Filed July 15, 1938. Serial No. 408,526. PUBLISHED SEPTEMBER 27, 1938. Class 6.

365,819. PREPARATION USED AS A POWDER BASE, A COMPLEXION AID, AND FOUNDATION FOR MAKE-UP. V. DAVID LEAVIN, doing business as Hampden Sales Association, New York, N. Y., assignor to Hampden Sales Association, Inc., New York, N. Y.

Filed July 19, 1938. Serial No. 408,649. PUBLISHED NOVEMBER 29, 1938. Class 6.

365,820. MEDICAL EQUIPMENT FOR PRODUCING HYPEREMIA. SUTHERLAND MANUFACTURING COMPANY, INC., Washington, D. C.
Filed July 19, 1938. Serial No. 408,665. PUBLISHED JANUARY 10, 1939. Class 44.

365,821. DESICCATED SPECIAL PANCREAS SUBSTANCE, A MEDICAMENT, IN ENTEROCAP, DESIGNATED TO BE USED BY PHYSICIANS AS AN ADJUNCTIVE OR PRIMARY MEDICAMENT TREATMENT OF GLYCOSURIA. LAFAYETTE PHARMACAL INC., La Fayette, Ind.
Filed July 19, 1938. Serial No. 408,741. PUBLISHED JANUARY 10, 1939. Class 6.

365,822. SALTED NUTS, CANDY, AND CHOCOLATE COATED NUTS. AWFUL FRESH MACFARLANE, Berkeley, Calif.
Filed July 25, 1938. Serial No. 408,887. PUBLISHED JANUARY 10, 1939. Class 46.

365,823. VANITY CASE CONTAINING ROUGE. LENTHERIC, INCORPORATED, New York, N. Y.
Filed August 5, 1938. Serial No. 409,273. PUBLISHED DECEMBER 27, 1938. Class 6.

365,824. ACID AND ALKALI RESISTING COMPOUND. WALLACE V. CALLENDER, doing business as Retinning Manufacturing Co., Chicago, Ill.
Filed August 6, 1938. Serial No. 409,293. PUBLISHED DECEMBER 27, 1938. Class 6.

365,825. ACETYLENE LIGHTS AND GENERATORS. NATIONAL CARBIDE CORPORATION, New York, N. Y.
Filed August 6, 1938. Serial No. 409,326. PUBLISHED JANUARY 10, 1939. Class 34.

365,826. ELECTRIC COMBINATION BROILER, COOKER, TOASTER, BAKER. ASSOCIATED ELECTRICAL APPLIANCE CO., New York, N. Y.
Filed August 9, 1938. Serial No. 409,380. PUBLISHED JANUARY 10, 1939. Class 21.

365,827. COMPOUNDS OR MIXTURES CONTAINING CELLULOSE DERIVATIVES, AND THINNERS, SOFTENERS, PLASTICIZERS, AND SOLVENTS FOR COMPOUNDS OR MIXTURES CONTAINING CELLULOSE DERIVATIVES. PIERCE & STEVENS, INCORPORATED, Buffalo, N. Y.
Filed August 11, 1938. Serial No. 409,489. PUBLISHED JANUARY 10, 1939. Class 6.

365,828. PREPARATION USED FOR PRINTING TEXTILE MATERIALS, IMPREGNATING AND COATING TEXTILE FABRICS. JACQUES WOLF & CO., Clifton, N. J.
Filed August 11, 1938. Serial No. 409,497. PUBLISHED JANUARY 3, 1939. Class 6.

365,829. SILVER IN GRANULAR FORM USED FOR SILVERING, RESILVERING, PLATING, AND REPLATING METAL SURFACES. JOHN V. MAGEE, doing business as J. V. Magee Mfg. Co., Chicago, Ill.
Filed August 13, 1938. Serial No. 409,578. PUBLISHED DECEMBER 20, 1938. Class 14.

365,830. COSMETICS, PERFUMES, AND SIMILAR PREPARATIONS—NAMELY, PARFUM COLOGNE, PERFUMES, A PERFUMED TOILET WATER, FACE POWDER, BODY POWDER, TALC, LIPSTICK, AND ROUGE. MAX FACTOR & CO., Los Angeles, Calif.
Filed August 15, 1938. Serial No. 409,607. PUBLISHED JANUARY 3, 1939. Class 6.

365,831. COSMETICS, PERFUMES, AND SIMILAR PREPARATIONS—NAMELY, PARFUM COLOGNE, PERFUMES, A PERFUMED TOILET WATER, FACE POWDER, BODY POWDER, TALC, LIPSTICK, AND ROUGE. MAX FACTOR & CO., Los Angeles, Calif.
Filed August 15, 1938. Serial No. 409,608. PUBLISHED JANUARY 3, 1939. Class 6.

365,832. ORANGE BEVERAGE TO BE SOLD AS A SOFT DRINK, EITHER WITH OR WITHOUT BEING FROZEN TO A SEMI-SOLID CONSISTENCY, OR AN ORANGE CONCENTRATE OR SYRUP FOR MAKING THE SAME. DAN D. STRATOS, Mansfield, Ohio.
Filed August 18, 1938. Serial No. 409,749. PUBLISHED JANUARY 10, 1939. Class 45.

365,833. FOOT CREAM, PORE CREAM, SKIN FRESHENER FOR DRY SKIN, CLEANSING CREAM, HAND CREAM, SCIENTIFIC MASSAGE CREAM, ETC. WAYNE UNIVERSITY OF BEAUTY CULTURE, INC., Fort Wayne, Ind.
Filed August 18, 1938. Serial No. 409,753. PUBLISHED JANUARY 3, 1939. Class 6.

365,834. TABLE SYRUP, PICKLES, AND PEANUT BUTTER. W. B. ROBERTSON CO., Cairo, Ga.
Filed August 19, 1938. Serial No. 409,782. PUBLISHED NOVEMBER 29, 1938. Class 46.

365,835. HEAD PRODUCTION AND RETENTION COMPOUND FOR USE IN ALE AND BEER. WHITEHURST RESEARCH CORPORATION, New York, N. Y.
Filed August 19, 1938. Serial No. 409,793. PUBLISHED JANUARY 10, 1939. Class 48.

365,836. BEVERAGE-CLEARING COMPOUND FOR ALE AND BEER. WHITEHURST RESEARCH CORPORATION, New York, N. Y.
Filed August 19, 1938. Serial No. 409,794. PUBLISHED JANUARY 10, 1939. Class 48.

365,837. MEDICINAL TONIC BITTERS, TO WIT, FERNET AND FERRO-CHINA. JOSEPH DI SANTO, doing business as Di Santo & Company, Duluth, Minn.
Filed August 22, 1938. Serial No. 409,840. PUBLISHED JANUARY 10, 1939. Class 6.

365,838. ENDLESS CONVEYORS FOR ARTICLES AND MATERIALS AND PARTICULARLY FOR THE CONVEYANCE OF MOLDS IN FOUNDRIES AND THE LIKE. NATIONAL ENGINEERING COMPANY, Chicago, Ill.
Filed August 22, 1938. Serial No. 409,849. PUBLISHED JANUARY 10, 1939. Class 23.

365,839. MECHANICAL FIGURES AND MECHANICAL PICTURES. JOHN H. HEWLETT, New Orleans, La.
Filed August 23, 1938. Serial No. 409,879. PUBLISHED JANUARY 10, 1939. Class 22.

365,840. LIVER PILLS. CARTER PRODUCTS, INC., New York, N. Y.
Filed August 24, 1938. Serial No. 409,909. PUBLISHED DECEMBER 20, 1938. Class 6.

365,841. BULBS OR CAPSULES CONTAINING COMPRESSED OR LIQUEFIED GAS. SPARKLETS CORPORATION, New York, N. Y.
Filed August 29, 1938. Serial No. 410,097. PUBLISHED JANUARY 3, 1939. Class 6.

365,842. BOOTS AND SHOES MADE OF LEATHER, OR A COMBINATION OF RUBBER AND LEATHER, OR A COMBINATION OF LEATHER AND FABRIC. WALTER BOOTH SHOE COMPANY, Milwaukee, Wis.
Filed September 6, 1938. Serial No. 410,287. PUBLISHED NOVEMBER 22, 1938. Class 39.

365,843. MEDICINAL PREPARATION USED IN THE TREATMENT OF PILES. RALPH N. TAKAKI, Honolulu, Territory of Hawaii.
Filed September 6, 1938. Serial No. 410,315. PUBLISHED JANUARY 10, 1939. Class 6.

365,844. PERFUME AND COLOGNE. PRIMS, INC., Brooklyn, N. Y.
Filed September 7, 1938. Serial No. 410,338. PUBLISHED JANUARY 3, 1939. Class 6.

365,845. PREPARATION USED FOR FEMININE HYGIENE HAVING ANTISEPTIC PROPERTIES. DOROTHY A. GRAY, Amenia, N. Y.
Filed September 12, 1938. Serial No. 410,466. PUBLISHED JANUARY 3, 1939. Class 6.

365,846. PREPARATIONS INDICATED IN AND FOR THE PREVENTION AND TREATMENT OF SOCIAL DISEASES. THE NUTEX COMPANY, Philadelphia, Pa., assignor to The Sanitube Company, Newport, R. I., a corporation of Rhode Island.
Filed September 12, 1938. Serial No. 410,474. PUBLISHED DECEMBER 27, 1938. Class 6.

365,847. MEDICAMENT CONTAINERS SOLUBLE IN WATER AND BODY SECRETIONS FOR INTRODUCTION INTO BODY CAVITIES FOR THE TREATMENT OF FEMININE DISORDERS. JOHANN SCHMIDT K. G., Nuremberg, Germany.
Filed September 12, 1938. Serial No. 410,487. PUBLISHED JANUARY 10, 1939. Class 6.

365,848. LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS MADE OF PERCALE, A TEXTILE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed September 16, 1938. Serial No. 410,660. PUBLISHED DECEMBER 13, 1938. Class 39.

365,849. DEPILATORY. CARTER PRODUCTS, INC., New York, N. Y.
Filed September 20, 1938. Serial No. 410,769. PUBLISHED JANUARY 3, 1939. Class 6.

365,850. TOILET PREPARATIONS—NAMELY, EAU DE COLOGNE. FRANCES DENNEY, Philadelphia, Pa.
Filed September 24, 1938. Serial No. 410,951. PUBLISHED DECEMBER 27, 1938. Class 6.

365,851. GAME CARD HOLDERS AND BLANKS FOR A GAME OF CHANCE. GERALD J. HALTON, Venice, Calif.
Filed September 24, 1938. Serial No. 410,958. PUBLISHED NOVEMBER 29, 1938. Class 22.

365,852. DESICCATING COMPOUND IN GRANULAR FORM FOR THE REMOVAL OF MOISTURE FROM AIR OR GASES. ACTICARBONE CORPORATION, New York, N. Y.
Filed September 28, 1938. Serial No. 411,045. PUBLISHED JANUARY 3, 1939. Class 6.

365,853. ELECTRICALLY OPERATED INSTRUMENTS FOR SHAVING AND FOR REMOVING HAIR FROM THE BODY. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y.
Filed September 28, 1938. Serial No. 411,046. PUBLISHED JANUARY 10, 1939. Class 23.

365,854. FACE POWDER. BOURJOIS, INC., New York, N. Y.
Filed September 29, 1938. Serial No. 411,079. PUBLISHED DECEMBER 27, 1938. Class 6.

365,855. OILS, INCLUDING PROCESSED OILS AND SYNTHETIC OILS, FOR USE IN THE INDUSTRIAL ARTS. REICHHOLD CHEMICALS INC., Detroit, Mich.
Filed October 1, 1938. Serial No. 411,182. PUBLISHED JANUARY 3, 1939. Class 6.

365,856. COSMETICS—NAMELY, CREAM AND POWDER AND PERFUMES. MARY WOODARD REINHARDT AND MARY H. MCSWEENEY, New York, N. Y.
Filed October 1, 1938. Serial No. 411,183. PUBLISHED JANUARY 3, 1939. Class 6.

365,857. FURNITURE, PARTICULARLY CHAIRS OF THE MORRIS CHAIR TYPE. THE ARTISTIC FURNITURE MFG. CO., Cincinnati, Ohio.
Filed October 4, 1938. Serial No. 411,264. PUBLISHED JANUARY 10, 1939. Class 32.

365,858. TABLETS TO BE TAKEN INTERNALLY INTO THE STOMACH AND AMPULES USED FOR INTRAMUSCULAR AND INTRAVENOUS INJECTION, ETC. THE NATIONAL DRUG COMPANY, Philadelphia, Pa.
Filed October 6, 1938. Serial No. 411,339. PUBLISHED DECEMBER 27, 1938. Class 6.

365,859. SOLUTION AND COMPRESSED TABLETS CONTAINING THE WHOLE VITAMIN B COMPLEX AND TO BE BENEFICIAL FOR THE TREATMENT OF VITAMIN B DEFICIENCIES. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed October 6, 1938. Serial No. 411,348. PUBLISHED DECEMBER 27, 1938. Class 6.

365,860. SHOE LACES AND BRAIDS. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I.
Filed October 10, 1938. Serial No. 411,441. PUBLISHED JANUARY 3, 1939. Class 40.

365,861. RAZOR BLADES. INTERNATIONAL SAFETY RAZOR CORPORATION, Bloomfield, N. J.
Filed October 10, 1938. Serial No. 411,456. PUBLISHED JANUARY 10, 1939. Class 23.

365,862. KNIVES—NAMELY, POCKET, HOUSEHOLD, HUNTING, AND PRINTERS' MAKE-READY KNIVES. HOWARD L. FISCHER, doing business as Fischer Engineering Co., St. Paul, Minn.
Filed October 13, 1938. Serial No. 411,571. PUBLISHED JANUARY 10, 1939. Class 23.

365,863. PREPARATION FOR THE TREATMENT OF TRICHOPHYTON INFECTION, COMMONLY KNOWN AS "ATHLETE'S FOOT", AND OTHER SIMILAR ITCHING RASH AILMENTS. SAM PAUL LAZARUS, doing business as Rhadol Manufacturing Company, Richmond, Va.
Filed October 14, 1938. Serial No. 411,610. PUBLISHED JANUARY 3, 1939. Class 6.

365,864. DOG REPELLENTS. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif.
Filed October 15, 1938. Serial No. 411,627. PUBLISHED DECEMBER 27, 1938. Class 6.

365,865. GENERAL TONICS. JAMES R. DUPUY, doing business as Dupree Drug Store, Memphis, Tenn.
Filed October 15, 1938. Serial No. 411,629. PUBLISHED DECEMBER 27, 1938. Class 6.

365,866. ELECTRIC MOTORS. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed October 15, 1938. Serial No. 411,630. PUBLISHED JANUARY 10, 1939. Class 21.

365,867. DYES COMBINED WITH WETTING AGENTS. RIT PRODUCTS CORPORATION, Chicago, Ill.
Filed October 15, 1938. Serial No. 411,656. PUBLISHED DECEMBER 27, 1938. Class 6.

365,868. COMPOUND OF HARMLESS CHEMICALS WHICH PROLONGS THE FRESHNESS AND LIFE OF CUT FLOWERS, PLANTS, OR BRANCHES. YAMANAKA & CO. INC., New York, N. Y.
Filed October 15, 1938. Serial No. 411,666. PUBLISHED JANUARY 10, 1939. Class 6.

365,869. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed October 18, 1938. Serial No. 411,734. PUBLISHED JANUARY 10, 1939. Class 19.

365,870. ELECTRICAL APPARATUS AND MACHINES AND ACCESSORIES CONSISTING OF PORTABLE ELECTRIC TOOLS FOR USE IN SUCH CRAFT WORK AS DRILLING, BORING, GRINDING, BUFFING, BURNISHING, SCREW DRIVING, NUT RUNNING, AND THE LIKE. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed October 18, 1938. Serial No. 411,735. PUBLISHED JANUARY 10, 1939. Class 21.

365,871. HAIR DRESSING. CLARK-MILLNER CO., Chicago, Ill.
Filed October 18, 1938. Serial No. 411,737. PUBLISHED JANUARY 10, 1939. Class 6.

365,872. WATER-SOFTENING CHEMICALS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed October 19, 1938. Serial No. 411,775. PUBLISHED DECEMBER 27, 1938. Class 6.

365,873. CHEMICALS USED FOR ACCELERATING THE VULCANIZATION OF RUBBER. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed October 19, 1938. Serial No. 411,776. PUBLISHED DECEMBER 27, 1938. Class 6.

365,874. REGISTERING, COUNTING, OR COMPUTING MECHANISMS AND PARTICULARLY COMPUTERS FOR LIQUID DISPENSING APPARATUS. VEEDER-ROOT INCORPORATED, Hartford, Conn.
Filed October 19, 1938. Serial No. 411,803. PUBLISHED JANUARY 10, 1939. Class 26.

365,875. VARIOUS TYPES OF HOSE CONSTRUCTED OF RUBBER AND FABRIC. THE CONTINENTAL SUPPLY COMPANY, Dallas, Tex.
Filed October 20, 1938. Serial No. 411,823. PUBLISHED JANUARY 10, 1939. Class 35.

365,876. RECTAL SUPPOSITORIES. LOUIS I. WEINER, doing business as Tablax Company-Pharma-Clinical Laboratories, New York, N. Y.
Filed October 20, 1938. Serial No. 411,847. PUBLISHED JANUARY 3, 1939. Class 6.

365,877. MERCURY TRIPLE DISTILLED FROM SCRAP AMALGAM. ROSA E. TUTTLE, Newark, N. J.
Filed October 21, 1938. Serial No. 411,915. PUBLISHED JANUARY 3, 1939. Class 6.

365,878. TOILET TISSUE. THE DIAMOND MATCH COMPANY, New York, N. Y.
Filed October 22, 1938. Serial No. 411,948. PUBLISHED JANUARY 10, 1939. Class 37.

365,879. GRANITE. NATIONAL GRANITE COMPANY, Elberton, Ga.
Filed October 22, 1938. Serial No. 411,960. PUBLISHED JANUARY 10, 1939. Class 1.

365,880. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. THE OHIO COSMETICS COMPANY, Fremont, Ohio.
Filed October 22, 1938. Serial No. 411,963. PUBLISHED JANUARY 3, 1939. Class 6.

365,881. PROPHYLACTIC PREPARATION FOR THE PREVENTION OF VENEREAL DISEASES. CLAUDE M. OWEN, SR., doing business as Sil-Kal Co., Kansas City, Mo.
Filed October 22, 1938. Serial No. 411,965. PUBLISHED DECEMBER 27, 1938. Class 6.

365,882. CANNED FRUITS. SUNSET FRUIT CO., Yuba City, Calif.
Filed October 22, 1938. Serial No. 411,975. PUBLISHED JANUARY 10, 1939. Class 46.

365,883. WOVEN WOOLEN MATERIAL—NAMELY, TWEEDS IN THE PIECE. BEST & CO., INC., New York, N. Y.
Filed October 24, 1938. Serial No. 411,985. PUBLISHED JANUARY 10, 1939. Class 42.

365,884. INSECTICIDES FOR HORTICULTURAL USE. DOGGETT-PFEIL COMPANY, Springfield, N. J.
Filed October 24, 1938. Serial No. 411,987. PUBLISHED JANUARY 3, 1939. Class 6.

365,885. PAPER CUPS. HARVEY PAPER PRODUCTS CO., Sturgis, Mich.
Filed October 24, 1938. Serial No. 411,994. PUBLISHED JANUARY 10, 1939. Class 2.

365,886. PERFUMES. LUCIEN LELONG, INC., Chicago, Ill.
Filed October 24, 1938. Serial No. 411,999. PUBLISHED JANUARY 10, 1939. Class 6.

365,887. PREPARATION USED IN THE TREATMENT OF GALL BLADDER, BILE DUCT, AND LIVER DISTURBANCES. THE PAUL PLESSNER COMPANY, Detroit, Mich.
Filed October 24, 1938. Serial No. 412,007. PUBLISHED DECEMBER 27, 1938. Class 6.

365,888. TREATMENT MATERIALS FOR TREATMENT OF TEXTILE FIBRES AND FABRICS MADE THEREFROM FOR PREVENTING OR INSULATING AGAINST FADING OF COLORS OR DYESTUFFS. SOLUOL CORPORATION, Providence, R. I.
Filed October 24, 1938. Serial No. 412,010. PUBLISHED JANUARY 3, 1939. Class 6.

365,889. TEXTILE SIZING MATERIAL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed October 25, 1938. Serial No. 412,031. PUBLISHED DECEMBER 27, 1938. Class 6.

365,890. MEDICINAL PREPARATION CONTAINING VITAMINS. PHILIP KACHURIN, doing business as American Vitamin Laboratories, New York, N. Y.
Filed October 27, 1938. Serial No. 412,102. PUBLISHED JANUARY 10, 1939. Class 6.

365,891. INSECTICIDES AND FUNGICIDES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed October 28, 1938. Serial No. 412,132. PUBLISHED JANUARY 10, 1939. Class 6.

365,892. ANTIFOAMING AGENTS, DEFOAMING AGENTS, DYEING AGENTS, INCLUDING FAST BLACK H. Y., FAST BLACK N. Y., FAST BLACK N. Y. 4, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed October 28, 1938. Serial No. 412,140. PUBLISHED DECEMBER 27, 1938. Class 6.

365,893. FROZEN CONFECTIONS AND ICE CREAM. RONRICO CORPORATION, San Juan, P. R.
Filed October 28, 1938. Serial No. 412,155. PUBLISHED JANUARY 10, 1939. Class 46.

365,894. ARTIFICIAL SILK FABRICS IN THE PIECE. ROTH FABRICS CORPORATION, New York, N. Y.
Filed October 28, 1938. Serial No. 412,157. PUBLISHED JANUARY 10, 1939. Class 42.

365,895. LAXATIVES, ANALGESICS, DIURETICS, AND ANTIPYRETICS. ALLE-RHUME REMEDY COMPANY, INC., Jersey City, N. J.
Filed October 29, 1938. Serial No. 412,167. PUBLISHED JANUARY 3, 1939. Class 6.

365,896. BELTING MADE OF RUBBER AND CANVAS. HEWITT RUBBER CORPORATION, Buffalo, N. Y.
Filed October 29, 1938. Serial No. 412,184. PUBLISHED JANUARY 10, 1939. Class 35.

365,897. LIQUID SOLDER, TOILET BOWL DEODORANT, AND DENTIFRICES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed October 29, 1938. Serial No. 412,190. PUBLISHED DECEMBER 27, 1938. Class 6.

365,898. CANNED TUNA FISH. SHIELD FOODS, INC., Buffalo, N. Y.
Filed October 29, 1938. Serial No. 412,203. PUBLISHED JANUARY 10, 1939. Class 46.

365,899. FISH LIVER OIL FORTIFIED WITH VITAMIN D. ABBOTT LABORATORIES, North Chicago, Ill.
Filed October 31, 1938. Serial No. 412,205. PUBLISHED JANUARY 10, 1939. Class 6.

365,900. WOVEN WOOLEN MATERIALS—NAMELY, TWEEDS IN THE PIECE. BEST & CO., INC., New York, N. Y.
Filed October 31, 1938. Serial No. 412,213. PUBLISHED JANUARY 10, 1939. Class 42.

365,901. GRANULATED AND PROCESSED WOOD USED IN THE CLEANING AND POLISHING OF PLASTICS, METAL WARE, AND FURS. THE LIGNUM CHEMICAL WORKS, New York, N. Y.
Filed October 31, 1938. Serial No. 412,227. PUBLISHED JANUARY 10, 1939. Class 1.

365,902. SAWDUST USED IN THE CLEANING OF FUR GARMENTS WITHOUT REMOVING THE LININGS. THE LIGNUM CHEMICAL WORKS, New York, N. Y.
Filed October 31, 1938. Serial No. 412,228. PUBLISHED JANUARY 10, 1939. Class 1.

365,903. FUEL FOR PYROPHORIC LIGHTERS. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed October 31, 1938. Serial No. 412,234. PUBLISHED JANUARY 10, 1939. Class 6.

365,904. GRANULATED AND PROCESSED WOOD USED IN THE CLEANING AND POLISHING OF PLASTICS, METAL WARE, AND FURS. THE LIGNUM CHEMICAL WORKS, New York, N. Y.
Filed November 1, 1938. Serial No. 412,262. PUBLISHED JANUARY 10, 1939. Class 1.

365,905. SCALP TONING AND HAIR REJUVENATING PREPARATIONS. EDITH BRADLEY, New York, N. Y.
Filed November 2, 1938. Serial No. 412,286. PUBLISHED DECEMBER 27, 1938. Class 6.

365,906. PROPRIETARY MEDICINES—NAMELY, MALT EXTRACT WITH COD LIVER OIL, HALIBUT LIVER OIL, ASPIRIN, COD LIVER OIL EXTRACT TABLETS, SYRUP COCILLANA, ETC. S. H. MILLER & COMPANY, doing business as Miller Laboratories, Youngstown, Ohio.
Filed November 2, 1938. Serial No. 412,299. PUBLISHED DECEMBER 27, 1938. Class 6.

365,907. WALL PAPER REMOVER AND CLEANER. OYEZ CHEMICAL COMPANY, New York, N. Y.
Filed November 2, 1938. Serial No. 412,303. PUBLISHED DECEMBER 27, 1938. Class 6.

365,908. FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, also doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich.
Filed November 3, 1938. Serial No. 412,320. PUBLISHED DECEMBER 20, 1938. Class 35.

365,909. FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS MADE PARTLY OF RUBBER. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, also doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich.
Filed November 3, 1938. Serial No. 412,321. PUBLISHED DECEMBER 20, 1938. Class 35.

365,910. VAGINAL ANTISEPTIC FOR FEMININE HYGIENE. INLAND LABORATORIES, INCORPORATED, Indianapolis, Ind.
Filed November 3, 1938. Serial No. 412,342. PUBLISHED JANUARY 10, 1939. Class 6.

365,911. PREPARATION FOR THE RELIEF OF PAIN DUE TO HEADACHES, COLDS, NEURALGIA, ETC. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed November 3, 1938. Serial No. 412,356. PUBLISHED DECEMBER 27, 1938. Class 6.

365,912. LAXATIVE. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y.
Filed November 3, 1938. Serial No. 412,357. PUBLISHED JANUARY 3, 1939. Class 6.

365,913. VITAMIN PREPARATION. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed November 3, 1938. Serial No. 412,362. PUBLISHED JANUARY 10, 1939. Class 6.

365,914. CHEMICAL COMPOUND BEING IN THE NATURE OF A TEXTILE FINISH WITH WATER REPELLENT CHARACTERISTICS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed November 3, 1938. Serial No. 412,364. PUBLISHED DECEMBER 27, 1938. Class 6.

365,915. DERIVATIVES OF HEXAHYDRIC ALCOHOLS AND INNER ETHERS THEREOF. ATLAS POWDER COMPANY, Wilmington, Del.
Filed November 5, 1938. Serial No. 412,404. PUBLISHED DECEMBER 27, 1938. Class 6.

365,916. PREPARATION FOR THE RELIEF OF COUGHS. A. BERNARDINI, doing business as Powertone Company, New York, N. Y.
Filed November 5, 1938. Serial No. 412,405. PUBLISHED JANUARY 10, 1939. Class 6.

365,917. FRESH CITRUS AND DECIDUOUS FRUITS, GRAPES, MELONS, AND VEGETABLES. M. ANTONELLIE, Los Angeles, Calif.
Filed November 7, 1938. Serial No. 412,427. PUBLISHED JANUARY 10, 1939. Class 46.

365,918. INSECTICIDES AND FUNGICIDES. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed November 7, 1938. Serial No. 412,437. PUBLISHED JANUARY 10, 1939. Class 6.

365,919. INSECTICIDES. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed November 7, 1938. Serial No. 412,447. PUBLISHED JANUARY 3, 1939. Class 6.

365,920. CANNED FOOD PRODUCTS—NAMELY, CONCENTRATED TOMATO JUICE. RIVERBANK CANNING COMPANY, Riverbank, Calif.
Filed November 7, 1938. Serial No. 412,463. PUBLISHED JANUARY 10, 1939. Class 46.

365,921. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF DERMATOLOGICAL CONDITIONS, FOR INSTANCE, LUPUS ERYTHEMATOSUS, CHRONIC ARTHRITIS, AND CHRONIC INFECTIOUS DISEASES. SCHERINO CORPORATION, Bloomfield, N. J.
Filed November 7, 1938. Serial No. 412,466. PUBLISHED DECEMBER 27, 1938. Class 6.

365,922. GENERAL TONIC. ELVITA RESEARCH LABORATORIES, INC., New York, N. Y.
Filed November 9, 1938. Serial No. 412,548. PUBLISHED JANUARY 10, 1939. Class 6.

365,923. JUTE BAGS SUITABLE FOR GRAIN AND SIMILAR COMMODITIES. GOLDBERG BROS. BAG CO., Portland, Ore.
Filed November 9, 1938. Serial No. 412,549. PUBLISHED JANUARY 10, 1939. Class 2.

365,924. MEDICINAL PREPARATION FOR TREATMENT OF INTESTINAL STASIS AND TOXEMIA, AND DEFECTIVE DETOXICATION. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed November 9, 1938. Serial No. 412,553. PUBLISHED JANUARY 10, 1939. Class 6.

365,925. CAMERAS. K & S SALES CO., Chicago, Ill., assignor to Atlas Industries, Inc., Chicago, Ill., a corporation of Illinois.
Filed November 9, 1938. Serial No. 412,554. PUBLISHED JANUARY 10, 1939. Class 26.

365,926. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed November 10, 1938. Serial No. 412,587. PUBLISHED JANUARY 10, 1939. Class 27.

365,927. APPARATUS FOR THE RECORDING OF TEMPERATURE AND HUMIDITY, AND FOR DETERMINING THE RELATIVE RECORDING TEMPERATURE AND HUMIDITY. OSBORN F. HEVENER, Maplewood, N. J.
Filed November 10, 1938. Serial No. 412,600. PUBLISHED JANUARY 10, 1939. Class 26.

365,928. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed November 10, 1938. Serial No. 412,608. PUBLISHED DECEMBER 27, 1938. Class 6.

365,929. PROCESSING COMPOUND FOR TREATING COTTON, WOOL, SILK, LINEN, AND ARTIFICIAL FABRICS, TEXTILES, THREADS, YARNS, FURS, CELLULOSE, PAPER, AND FIBROUS MATERIALS FOR RENDERING THEM SANITARY AND GERMPROOF. NEVA-WET CORPORATION OF AMERICA, New York, N. Y.
Filed November 10, 1938. Serial No. 412,612. PUBLISHED JANUARY 10, 1939. Class 6.

365,930. POKER SET. HOWARD S. BORDEN, New York, N. Y.
Filed November 10, 1938. Serial No. 412,622. PUBLISHED JANUARY 10, 1939. Class 22.

365,931. FRESH AVOCADOS. JOSEPH S. GROSS, La Habra, Calif.
Filed November 12, 1938. Serial No. 412,638. PUBLISHED JANUARY 10, 1939. Class 46.

365,932. PIPES. KAUFMANN BROS. & BONDY, INC., West New York, N. J.
Filed November 12, 1938. Serial No. 412,644. PUBLISHED JANUARY 10, 1939. Class 8.

365,933. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed November 12, 1938. Serial No. 412,646. PUBLISHED DECEMBER 27, 1938. Class 6.

365,934. COTTON PIECE GOODS. M. LOWENSTEIN & SONS, INC., New York, N. Y.
Filed November 12, 1938. Serial No. 412,649. PUBLISHED JANUARY 10, 1939. Class 42.

365,935. PHOTOGRAPHIC ENLARGING APPARATUS. OPTIKOTECHNA SPOLEČNOST S R. O., Prerov, Czechoslovakia.
Filed November 12, 1938. Serial No. 412,663. PUBLISHED JANUARY 10, 1939. Class 26.

365,936. PORTABLE ELECTRIC LAMP BASES. ANGELO SORIANO, doing business as Justex Lamp Co., Brooklyn, N. Y.
Filed November 12, 1938. Serial No. 412,674. PUBLISHED JANUARY 10, 1939. Class 21.

365,937. SKIN LOTION. ARTHUR M. DONNELLY, doing business as Donnelly Company, St. Louis, Mo.
Filed November 14, 1938. Serial No. 412,699. PUBLISHED JANUARY 10, 1939. Class 6.

365,938. APPARATUS FOR INDUSTRIAL DEHYDRATION, DESICCATION, AND DEHUMIDIFICATION OF AIR, GASES, OR VAPORS. ACTICARBONE CORPORATION, New York, N. Y.
Filed November 15, 1938. Serial No. 412,747. PUBLISHED JANUARY 10, 1939. Class 23.

365,939. BEER AND ALE. HORLACHER BREWING COMPANY, Allentown, Pa.
Filed November 15, 1938. Serial No. 412,765. PUBLISHED JANUARY 10, 1939. Class 48.

365,940. CHEMICAL COMPOUNDS EMPLOYED AS PREVENTERS OF RANCIDITY AND/OR DETERIORATION IN SOAP AND VEGETABLE OILS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 15, 1938. Serial No. 412,775. PUBLISHED JANUARY 10, 1939. Class 6.

365,941. GRAPE JUICE. NATIONAL GRAPE CORPORATION, Brocton, N. Y.
Filed November 15, 1938. Serial No. 412,778. PUBLISHED JANUARY 10, 1938. Class 45.

365,942. COAL. STAHMER COAL COMPANY, Chicago, Ill.
Filed November 15, 1938. Serial No. 412,782. PUBLISHED JANUARY 10, 1939. Class 1.

365,943. SEXUAL HORMONE, PITUITARY HORMONE, AND ENDOCRINE PREPARATIONS FOR THE TREATMENT OF AMENORRHEA, FUNCTIONAL DYSMENORRHEA, METRORRHAGIA, MENORRHAGIA, AND SEXUAL INFANTILISM. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed November 15, 1938. Serial No. 412,786. PUBLISHED JANUARY 10, 1939. Class 6.

365,944. COMPOSITIONS FOR SEALING CONTAINERS SUCH AS SANITARY CANS, METAL AND GLASS CONTAINERS, BARRELS, AND BOTTLE CROWNS. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed November 16, 1938. Serial No. 412,803. PUBLISHED JANUARY 10, 1939. Class 50.

365,945. HARMONICAS. M. HOHNER, INC., New York, N. Y.
Filed October 21, 1938. Serial No. 411,864. PUBLISHED JANUARY 10, 1939. Class 36.

365,946. WATER REPELLENT FOR PROTECTION AGAINST SHRINKING, SWELLING, WARPING, AND END CHECKING IN WOOD. PROTECTION PRODUCTS MFG. CO., Kalamazoo, Mich.
Filed November 17, 1938. Serial No. 412,870. PUBLISHED JANUARY 10, 1939. Class 6.

365,947. TOXIC WATER REPELLENT FOR PROTECTION AGAINST SWELLING, SHRINKING, WARPING, END CHECKING, DECAY, BLUE STAIN, AND TERMITES IN WOOD. PROTECTION PRODUCTS MFG. CO., Kalamazoo, Mich.
Filed November 17, 1938. Serial No. 412,871. PUBLISHED JANUARY 10, 1939. Class 6.

365,948. NOTEBOOKS, BLANK BOOKS, AND WRITING PAPER — VIZ., NOTEBOOKS, COMPOSITION BOOKS, AND PENMANSHIP PAPER. ROCKWELL-BARNES COMPANY, Chicago, Ill.
Filed November 17, 1938. Serial No. 412,872. PUBLISHED JANUARY 10, 1939. Class 37.

365,949. MOUNTED SHADES, WINDOW SHADES, AND SHADE ROLLERS. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,900. PUBLISHED JANUARY 10, 1939. Class 32.

365,950. ASBESTOS PACKINGS, ESPECIALLY ADAPTED FOR USE IN PUMPS, PISTONS, AND LOCOMOTIVES, STUFFING BOXES, VALVE STEMS, AND AS PRESSURE GLANDS, FLAX PACKINGS, BRAKE LININGS, CLUTCH FACINGS, TEXTILE PACKINGS, AND GASKETS. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed November 18, 1938. Serial No. 412,908. PUBLISHED JANUARY 10, 1939. Class 35.

365,951. FLASHLIGHTS AND LANTERNS USING OIL FOR FUEL. HENRY T. SCHIFF, Chicago, Ill.
Filed October 22, 1938. Serial No. 411,969. PUBLISHED JANUARY 10, 1939. Class 34.

365,952. SCOTCH WHISKY. WILLIAM GREER & CO. LIMITED, Glasgow, Scotland.
Filed November 19, 1938. Serial No. 412,970. PUBLISHED JANUARY 10, 1939. Class 49.

365,953. WHISKEY. OLD HEAVEN HILL SPRINGS DISTILLERY, INCORPORATED, Bardstown, Ky.
Filed November 19, 1938. Serial No. 412,981. PUBLISHED JANUARY 10, 1939. Class 49.

365,954. FISHING RODS, FISHING-ROD HANDLES, FISHING-ROD CASES, FISHING REELS, RUBBER GRIPS FOR FISHING ROD HANDLES, GOLF CLUBS, GOLF CLUB SHAFTS, GOLF CLUB HEADS, SKIS, SNOWSHOES, BOWS FOR ARCHERY, ARROWS, BOW STRINGS, AND ARCHERY TARGETS. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed November 21, 1938. Serial No. 412,994. PUBLISHED JANUARY 10, 1939. Class 22.

365,955. CRACKERS. BREMNER BROS., Chicago, Ill.
Filed November 21, 1938. Serial No. 412,999. PUBLISHED JANUARY 10, 1939. Class 46.

365,956. GAME OF CHANCE PLAYED WITH CONCEALED NUMBERS. HENRY L. HARVEY, Battle Creek, Mich.
Filed November 21, 1938. Serial No. 413,014. PUBLISHED JANUARY 10, 1939. Class 22.

365,957. PLATFORM ROCKERS. NORTHWEST CHAIR COMPANY, Tacoma, Wash.
Filed November 21, 1938. Serial No. 413,025. PUBLISHED JANUARY 10, 1939. Class 32.

365,958. DINING ROOM AND BEDROOM FURNITURE AND NOVELTY TABLES AND DESKS. REASER FURNITURE COMPANY, Gettysburg, Pa.
Filed November 21, 1938. Serial No. 413,030. PUBLISHED JANUARY 10, 1939. Class 32.

365,959. TUBES FOR OIL FILTER CONNECTIONS. FLEMING MANUFACTURING COMPANY, East Providence, R. I.
Filed November 23, 1938. Serial No. 413,068. PUBLISHED JANUARY 10, 1939. Class 35.

365,960. WHISKEY. MERCHANTS DISTILLING CORPORATION, Terre Haute, Ind.
Filed November 25, 1938. Serial No. 413,131. PUBLISHED JANUARY 10, 1939. Class 49.

365,961. WHISKEY. MERCHANTS DISTILLING CORPORATION, Terre Haute, Ind.
Filed November 25, 1938. Serial No. 413,132. PUBLISHED JANUARY 10, 1939. Class 49.

365,962. PILLOWS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed November 25, 1938. Serial No. 413,138. PUBLISHED JANUARY 10, 1939. Class 32.

365,963. PLAY SETS INCLUDING BALL AND BAT. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn.
Filed November 25, 1938. Serial No. 413,157. PUBLISHED JANUARY 10, 1939. Class 22.

365,964. WHISKEY. HIRAM WALKER & SONS INC., Peoria, Ill.
Filed November 25, 1938. Serial No. 413,164. PUBLISHED JANUARY 10, 1939. Class 49.

365,965. GAME CONSISTING OF LETTERS OR CARDS CUT INTO PIECES, THE PURPOSE BEING TO MATCH THE PIECES. ALEXIUS W. BYRNE, Oakland, Calif.
Filed November 26, 1938. Serial No. 413,180. PUBLISHED JANUARY 10, 1939. Class 22.

365,966. PNEUMATIC TIRES. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa.
Filed November 26, 1938. Serial No. 413,194. PUBLISHED JANUARY 10, 1939. Class 35.

365,967. REFRIGERATORS. SANTIAGO DEVELOPMENT CORPORATION, New York, N. Y.
Filed November 26, 1938. Serial No. 413,201. PUBLISHED JANUARY 10, 1939. Class 31.

365,968. BED SPRINGS, BOX SPRINGS, STUDIO COUCHES, AND MATTRESSES. PREMIER BED & SPRING COMPANY, San Francisco, Calif.
Filed November 28, 1938. Serial No. 413,243. PUBLISHED JANUARY 10, 1939. Class 32.

365,969. BED SPRINGS, BOX SPRINGS, STUDIO COUCHES, AND MATTRESSES. PREMIER BED & SPRING COMPANY, San Francisco, Calif.
Filed November 28, 1938. Serial No. 413,244. PUBLISHED JANUARY 10, 1939. Class 32.

365,970. ANTISEPTIC DEODORANT POWDERS, AND MEDICATED GREASELESS SKIN CREAMS. MARTHA P. MINTER, doing business as Totus Mfg. Co., Philadelphia, Pa.
Filed November 29, 1938. Serial No. 413,272. PUBLISHED JANUARY 10, 1939. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

365,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CENTRAL WISCONSIN CANNERIES, Beaver Dam, Wis. Filed June 5, 1937. Serial No. 393,690.



For Canned Vegetables.
Claims use since 1924.

365,972. (CLASS 48. MALT BEVERAGES AND LIQUORS.) CAMDEN COUNTY BEVERAGE COMPANY, Camden, N. J. Filed June 24, 1937. Serial No. 394,450.

CAMDEN

BEER

For Beer.
Claims use since Apr. 15, 1933.

365,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SATISH C. GHOSE, doing business as India Incense Company, Chicago, Ill. Filed July 8, 1937. Serial No. 394,985.

OIL of INDIA

For Mosquito Repellent, Exterminator for Flies, Insecticide, Germicide.
Claims use since May 1, 1937.

365,974. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHEFFIELD COMPANY, New London, Conn. Filed Aug. 10, 1937. Serial No. 396,243.

BURN-SAV

For Ointments for Burns, Sunburns, Small Cuts, Wounds, Bruises, Infections, Skin Irritations, and the Like.
Claims use since July 15, 1937.

365,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEN A. SALSBERG, doing business as Hair-Aid Laboratories, Chicago, Ill. Filed Sept. 9, 1937. Serial No. 397,270.

"HAIR-AID"

For Preparations for Treating Hair and Scalp.
Claims use since May 1, 1937.

365,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROYAL PET PRODUCTS CO., Philadelphia, Pa. Filed Nov. 13, 1937. Serial No. 399,731.

ONE PUFF

For Powder for Killing Fleas and Lice.
Claims use since Nov. 8, 1937.

365,977. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) N. ERLANGER, BLUMGART & CO. INC., New York, N. Y. Filed Nov. 30, 1937. Serial No. 400,292.

EARL-LOOM

For Fabrics in the Piece Made of Rayon and Artificial Silk, Used as Linings.
Claims use since Nov. 26, 1937.

365,978. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE SESSIONS CLOCK COMPANY, Forestville, Conn. Filed Feb. 5, 1938. Serial No. 402,746.

KLOXIT

For Interval Timers to Give an Audible Signal at the Expiration of a Predetermined Time for Innumerable Purposes.
Claims use since Jan. 26, 1938.

365,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LLOYD R. MOORE, Mystic, Conn. Filed Feb. 8, 1938. Serial No. 402,824.

STERIL-EZE

For Antiseptic Foot Powder.
Claims use since Jan. 28, 1938.

365,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Feb. 11, 1938. Serial No. 402,953.

TARTAR

For Enamel Adapted for Coating Finger Nails.
Claims use since Jan. 25, 1938.

365,981. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAS. W. YOUNG & CO., Philadelphia, Pa. Filed Feb. 15, 1938. Serial No. 403,066.

BLUSOAP FLAKES

For Soap Flakes.
Claims use since Dec. 6, 1930.

365,982. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg. Filed Feb. 25, 1938. Serial No. 403,413.

Heatmaker

For Automatic Coal Burners.
Claims use since Jan. 20, 1938.

365,983. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STAFAST, A CORPORATION, Newark, N. J. Filed Mar. 1, 1938. Serial No. 403,566.

STAFAST

For Removable Flexible Automobile Fender Cover or Protector Formed of Cloth or the Like.
Claims use since Jan. 4, 1938.

365,984. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK BOWNES COMPANY, Chelsea, Mass. Filed Mar. 10, 1938. Serial No. 403,905.

AQUAKOTE

For Paint to be Admixed with Water to Produce a Washable Finish for Ceilings and Walls.
Claims use since Jan. 31, 1938.

365,985. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Mar. 24, 1938. Serial No. 404,453.

Kenleach

For Woolen Goods in the Piece and in Cut Lengths.
Claims use since Sept. 30, 1937.

365,986. (CLASS 37. PAPER AND STATIONERY.) H. P. SMITH PAPER COMPANY, Chicago, Ill. Filed Apr. 30, 1938. Serial No. 405,900.

STA-TUF

For Wet-Strength Paper.
Claims use since Feb. 1, 1938.

365,987. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JENNIE JOYNER, Philadelphia, Pa. Filed May 23, 1938. Serial No. 406,644.

U-SWAB

For Preparation for the Treatment of Rheumatic Pains and Stiff Joints.
Claims use since Jan. 3, 1938.

365,988. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD C. LINDERMAN, New York, N. Y. Filed June 24, 1938. Serial No. 407,868.

HOLLYWOOD BROMO

For Preparation Used to Aid Digestion.
Claims use since Jan. 10, 1938.

365,989. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) IRA J. C. HOLLAND, San Angelo, Tex. Filed Aug. 3, 1938. Serial No. 409,197.

SPURCLIP

For Jewelry for Personal Wear and Adornment Not Including Watches.
Claims use since June, 1936.

365,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMO, INC., Philadelphia, Pa. Filed Aug. 19, 1938. Serial No. 409,766.

ALL-WEATHER

For Toilet Creams and Toilet Lotions.
Claims use since Dec. 10, 1937.

365,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. D. SEARLE & Co., Chicago, Ill. Filed Sept. 15, 1938. Serial No. 410,614.

IODOCHLOROL

For Iodized and Chlorinated Oil for X-ray Diagnosis and Iodine Medication.
Claims use since June 5, 1931.

365,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP BRUNO, Boston, Mass. Filed Oct. 20, 1938. Serial No. 411,808.

Father Phillips

For Ointment for the Relief of Skin Diseases.
Claims use since Mar. 15, 1935.

365,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED FREEMAN, doing business as P-G Products, Indianapolis, Ind. Filed Oct. 24, 1938. Serial No. 412,046.

SORE-NIX

For Certain Medical Liquid Intended for External Use to Assist in the Relief of the Maladies Commonly Known and Ordinarily Described as Sore Throat, Muscular Aches and Pains, Minor Cuts, External Infections, Sprains and Bruises, Insect Bites, Corns, Bunions, and Rheumatism.
Claims use since Jan. 1, 1936.

365,994. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CARBONA PRODUCTS COMPANY, New York, N. Y. Filed Nov. 9, 1938. Serial No. 412,542.

SOAPLESS LATHER

For Fluid Preparation for Cleaning or Washing Fabrics and Surfaces of All Kinds.
Claims use since Oct. 24, 1936.

365,995. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WALTER MURAD, San Carlos, Calif. Filed Nov. 9, 1938. Serial No. 412,575.

SWIV-EL

For Swivel Joint Hose Couplings.
Claims use since June 1, 1937.

365,996. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938. Serial No. 412,949.

MILWAUKEE

For Bottle Filling and Capping Machinery, Automatic and Hand Operated Bottle Cappers, and Bottle Decappers.
Claims use since January, 1915.

365,997. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938. Serial No. 412,950.

Baltimore

For Bottle Washing Machinery.
Claims use since May, 1937.

365,998. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938. Serial No. 412,951.

MULTISOAK

For Bottle Washing Machinery.
Claims use since January, 1927.

365,999. (CLASS 5. ADHESIVES.) PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Nov. 19, 1938. Serial No. 412,983.

DOUGLAS

For Dextrines and Adhesive Gums.
Claims use since Aug. 13, 1932.

366,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL J. KEEFE, JR., doing business as Keefe Chemical Co., Boston, Mass. Filed Jan. 6, 1939. Serial No. 414,568.

SILVER
LABEL BRAND
GERMICIDE

For Deodorant and Germicide.
Claims use since September, 1933.

366,001. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANIEL W. FARNSWORTH, New York, N. Y. Filed Jan. 9, 1939. Serial No. 414,628.

PARIS POINT
TWEED

For Woolen and Worsted Piece Goods Used in the Manufacture of Ladies' Coats and Suits.
Claims use since June 21, 1937.

366,002. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MOULTON LADDER MANUFACTURING CO., Somerville, Mass. Filed Jan. 9, 1939. Serial No. 414,636.

BAY STATE

For Ladders, Particularly Platform Ladders.
Claims use since 1930.

366,003. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MOULTON LADDER MANUFACTURING CO., Somerville, Mass. Filed Jan. 9, 1939. Serial No. 414,640.

YALE

For Ladders, Particularly Stepladders.
Claims use since 1928.

366,004. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed Jan. 25, 1939. Serial No. 415,211.

MANOR

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Sept. 1, 1936.

TRADE-MARK REGISTRATIONS RENEWED

16,542. PAINTING AND GRAINING OIL. Registered April 30, 1889. JAMES B. SIPE & CO., Allegheny, Pa. Re-renewed April 30, 1939, to James B. Sipe & Company, Pittsburgh, Pa., a corporation of Delaware, successor.

124,453. WHEAT-FLOUR. Registered February 18, 1919. GOERZ FLOUR MILLS CO., Newton, Kans. Renewed February 18, 1939, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

124,494. CANNED UNSWEETENED EVAPORATED MILK. Registered February 18, 1919. WHITE HOUSE MILK PRODUCTS CO., West Bend, Wis. Renewed February 18, 1939, to White House Milk Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

124,501. FELT ROOFING AND SHEATHING AND BUILDING-PAPER. Registered February 25, 1919. THE BARRETT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 25, 1939.

124,661. STEEL IN THE FORMS OF RODS, BARS, SHEETS, INGOTS, PLATES, AND WIRE. Registered March 11, 1919. ARTHUR BALFOUR & COMPANY LIMITED, Sheffield, England, a British corporation. Renewed March 11, 1939.

124,677. AIR-DRILLS. Registered March 11, 1919. CHICAGO PNEUMATIC TOOL COMPANY, Chicago, Ill. Renewed March 11, 1939, to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey.

124,723. COTTON-MESH UNDERWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERSHIRTS, DRAWERS, AND UNION-SUITS. Registered March 11, 1919. IDEAL LINEN MESH COMPANY, Poughkeepsie, N. Y., a corporation of New York. Renewed March 11, 1939.

124,727. COFFEE. Registered March 11, 1919. JOHN E. KING COFFEE CO. Renewed March 11, 1939, to John E. King, Jr., doing business as John E. King Coffee Co., Detroit, Mich., successor.

124,812. TEA, COFFEE, RICE. Registered March 18, 1919. THE BERDAN COMPANY, as assignee of Berdan and Company, Toledo, Ohio. Renewed March 18, 1939, to Lee & Cady, Detroit, Mich., a corporation of Michigan, assignee by mesne assignments.

124,883. FEED-WATER HEATERS, CONDENSERS, EVAPORATORS, AND GREASE-EXTRACTORS FOR FEED-WATER. Registered March 18, 1919. ROW & DAVIS, ENGINEERS, INC., New York, N. Y. Renewed March 18, 1939, to Davis Engineering Corporation, Elizabeth, N. J., a corporation of Delaware, assignee.

124,943. LUBRICATING-OILS, BURNING-OILS, PARAFFIN, GASOLENE, NAPHTHA, AND LUBRICATING PETROLEUM-GREASES. Registered March 25, 1919. SUN COMPANY. Renewed March 25, 1939, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey, by change of name.

125,013. PRINTED BOOKS, BOOKLETS, PAMPHLETS, AND MANUALS. Registered April 8, 1919. AETNA LIFE INSURANCE COMPANY, Hartford, Conn., a corporation of Connecticut. Renewed April 8, 1939.

125,284. TRADE JOURNAL PUBLISHED WEEKLY. Registered May 6, 1919. ATLAS PUBLISHING CO., INC., New York, N. Y., a corporation of New York. Renewed May 6, 1939.

125,287. FRESH, SALTED, SMOKED, PICKLED, AND CANNED FISH. Registered May 6, 1919. DAVIS BROS. FISHERIES INC., Gloucester, Mass., a corporation of Massachusetts. Renewed May 6, 1939.

125,332. FRESH, SALTED, SMOKED, PICKLED, AND CANNED FISH. Registered Mary 13, 1919. DAVIS BROS. FISHERIES INC., Gloucester, Mass, a corporation of Massachusetts. Renewed May 13, 1939.

125,343. STEAM-COOKED OATMEAL AND STEAM-COOKED ROLLED OATS. Registered May 13, 1919. THE H-O COMPANY, Buffalo, N. Y. Renewed May 13, 1939, to Hecker Products Corporation, New York, N. Y., a corporation of New Jersey, by changes of name, merger, and consolidation.

125,348. WHEAT-FLOUR. Registered May 13, 1919. LEWISTON MILLING CO., LTD., Lewiston, Idaho, and Asotin, Wash. Renewed May 13, 1939, to North Pacific Milling Co., Lewiston, Idaho, a corporation of Washington, assignee.

125,597. WHEAT-FLOUR. Registered May 27, 1919. WASHBURN CROSBY CO. Renewed May 27, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,598. WHEAT-FLOUR. Registered May 27, 1919. WASHBURN CROSBY CO. Renewed May 27, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,599. WHEAT-FLOUR. Registered May 27, 1919. WASHBURN CROSBY CO. Renewed May 27, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,626. FRESH, SALTED, SMOKED, PICKLED, AND CANNED FISH. Registered June 3, 1919. DAVIS BROS. FISHERIES INC., Gloucester, Mass., a corporation of Massachusetts. Renewed June 3, 1939.

125,689. CAKES. Registered June 3, 1919. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed June 3, 1939.

125,690. WHEAT-FLOUR. Registered June 3, 1919. WASHBURN CROSBY CO. Renewed June 3, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,691. WHEAT-FLOUR. Registered June 3, 1919. WASHBURN CROSBY CO. Renewed June 3, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,692. WHEAT-FLOUR. Registered June 3, 1919. WASHBURN CROSBY CO. Renewed June 3, 1939, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

125,863. VEGETABLE, GARDEN, AND FIELD SEEDS. Registered June 24, 1919. F. W. BOLGIANO & COMPANY, INC., Washington, D. C., a corporation of the District of Columbia. Renewed June 24, 1939.

125,894. PAPER FOR CONTAINER-LINER. Registered July 8, 1919. BOGALUSA PAPER COMPANY, INC., Bogalusa, La. Renewed July 8, 1939, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland, assignee by mesne assignments.

125,895. CROCHET-NEEDLES FOR HAND USE. Registered July 8, 1919. THE BOYE NEEDLE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 8, 1939.

125,926. POPPING-CORN. Registered July 15, 1919. AMERICAN POP CORN COMPANY, Sioux City and Schaller, Iowa. Renewed July 15, 1939, to American Pop Corn Company, Sioux City, Iowa, a corporation of Iowa, assignee.

126,010. LIQUID CHEMICALS FOR USE IN TANNING PROCESSES. Registered July 22, 1919. GUTMANN & COMPANY. Renewed July 22, 1939, to The Tannade Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

126,096. MEN'S AND WOMEN'S LEATHER BOOTS AND SHOES. Registered July 22, 1919. E. E. TAYLOR COMPANY. Renewed July 22, 1939, to E. E. Taylor Corporation, Boston, Mass., a corporation of Massachusetts, assignee.

126,173. LUBRICANTS, CONSISTING OF OILS AND GREASES. Registered July 29, 1919. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 29, 1939.

126,184. COTTON CRASH TOWELING AND TOWELS. Registered July 29, 1919. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Renewed July 29, 1939.

126,185. COTTON DRILLS. Registered July 29, 1919. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Renewed July 29, 1939.

126,189. OUTFITS OF TOY SOLDIERS AND PISTOLS AND GAMES PLAYED BY MEANS OF SUCH OUTFITS. Registered July 29, 1919. MILTON BRADLEY COMPANY, Springfield, Mass., a corporation of Massachusetts. Renewed July 29, 1939.

126,190. CANNED VEGETABLES AND FRUITS, COFFEES, AND SPICES. Registered July 29, 1919. MINER, READ & TULLOCK. Renewed July 29, 1939, to The Miner, Read & Tullock, Inc., New Haven, Conn., a corporation of Connecticut, assignee.

126,204. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered July 29, 1919. SAN ANTONIO DRUG CO., San Antonio, Tex., and New York, N. Y. Renewed July 29, 1939, to San Antonio Drug Company, San Antonio, Tex., a corporation of Texas.

126,223. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. Registered July 29, 1919. UNION TWIST DRILL CO. Renewed July 29, 1939, to Union Twist Drill Company, Athol, Mass., a corporation of Massachusetts, assignee.

LABELS

REGISTERED MARCH 21, 1939

52,665.—*Title:* ANTS' EGGS. For Desiccated Formacine Eggs, Cocoons. ST. ELMO ABERNATHY, Berkeley, Calif. Published February 17, 1939.

52,666.—*Title:* WATER-BOATMEN (CORIXIDAE). For Water-Boatmen (Corixidae). ST. ELMO ABERNATHY, Berkeley, Calif. Published February 17, 1939.

52,667.—*Title:* CARLITA STYLES. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published February 15, 1939.

52,668.—*Title:* RUX COLD TABLETS. For Cold Tablets. LOUIS BURNSTEIN, doing business as Rux Products Co., Platte City, Mo. Published February 18, 1939.

52,669.—*Title:* C AND H SUGAR PURE CANE LIGHT BROWN. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published February 15, 1939.

52,670.—*Title:* GERBER'S STRAINED CARROTS. For Strained Carrots. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich. Published November 23, 1937.

52,671.—*Title:* GRENNAN FRESH BANANA FLIPS. For Banana Flips. GRENNAN BAKERIES, INCORPORATED, Chicago, Ill. Published December 29, 1937.

52,672.—*Title:* TISSUETINT DENTURE METAL. For Denture Metal. CORNELL JOEL GROSSMAN, doing business as Cornell Grossman, Millburn, N. J. Published December 14, 1938.

52,673.—*Title:* FINE ARTS—SPECTRUM OPAQUE WATER COLOR. For Opaque Water Colors. THE HARTER PUBLISHING COMPANY, Cleveland, Ohio. Published February 7, 1939.

52,674.—*Title:* HEILEMAN'S OLD STYLE LAGER BEER. For Lager Beer. G. HEILEMAN BREWING CO., La Crosse, Wis. Published August 22, 1938.

52,675.—*Title:* HOFFMAN TOM COLLINS MIXER. For Tom Collins Mixer With a Pure Lemon Juice Base. HOFFMAN BEVERAGE COMPANY, Newark, N. J. Published April 27, 1938.

52,676—*Title:* JOHNSON'S CARNU. For a Car Finish Restorer. S. C. JOHNSON & SON, INC., Racine, Wis. Published December 21, 1938.

52,677.—*Title:* WHITIES. For Candy-Coated Gum. MORTON KOZEK AND B. PERLSWEIG, Philadelphia, Pa. Published June 1, 1938.

52,678.—*Title:* MELSTER'S "CHERRIE". For Bar Candy. MELSTER CANDY COMPANY, Cambridge, Wis. Published February 17, 1938.

52,679.—*Title:* TRU-BLU OLD FASHIONED. For Beer. NORTHAMPTON BREWERY CORPORATION, Northampton, Pa. Published February 6, 1939.

52,680.—*Title:* CLOTHTEX. For Bathroom Tissue. RAGLAND POTTER & CO., INC., Nashville, Tenn. Published March 19, 1938.

52,681.—*Title:* DOC BEANS—PAST-E-FASUL. For a Food Prepared from Beans with Tomato Sauce. ALFRED A. SALAMITRO, Bloomfield, N. J. Published December 15, 1938.

52,682.—*Title:* SNIDER DICED BEETS. For Canned Diced Beets. SNIDER PACKING CORPORATION, Rochester, N. Y. Published October 12, 1938.

52,683.—*Title:* SNIDER PEAS AND CARROTS. For Canned Peas and Carrots. SNIDER PACKING CORPORATION, Rochester, N. Y. Published November 14, 1938.

52,684.—*Title:* SNIDER WHOLE KERNEL GOLDEN BANTAM CORN. For Canned Golden Bantam Corn. SNIDER PACKING CORPORATION, Rochester, N. Y. Published October 30, 1938.

52,685.—*Title:* MORRIS MANSION. For Coffee. SORVER, MCEVOY & CO., Philadelphia, Pa. Published January 10, 1939.

52,686.—*Title:* WIND-O-KLEEN. For a Cleaner for Cleaning and Polishing All Glass Surfaces and Wind-Shields. MEYER LOUIS SWIMMER, doing business as Home Dry Cleaner Laboratories, Uniontown, Pa. Published January 2, 1939.

52,687.—*Title:* DAD'S P. A. P. For Laxative Wheat-Food to be Balanced with Milk and Fruit. ANDREW JACKSON THOMAS, Stillwater, Okla. Published January 11, 1939.

52,688.—*Title:* BLACK LEAF 40. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 20, 1938.

52,689.—*Title:* BLACK LEAF 40 NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published December 20, 1938.

52,690.—*Title:* BLACK LEAF 155. For an Effective and Non-Caustic Spray for Codling Moth Control. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION (INCORPORATED), Louisville, Ky. Published January 9, 1939.

52,691.—*Title:* STOP SPOT. For a Cleaning Fluid. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published December 30, 1938.

52,692.—*Title:* PLANTATION WAFFLE MIX. For a Waffle Mix. WILLIE STONEWALL WERNER, Houston, Tex. Published January 20, 1939.

PRINTS

REGISTERED MARCH 21, 1939

17,278.—*Title:* PAD-HESION. For Abdominal Belts. LEWIS A. FRITSCH, Cincinnati, Ohio. Published November 26, 1938.

17,279.—*Title:* VEST POCKET BLOTTER. For Paper Cups. MONO SERVICE CO., Newark, N. J. Published January 25, 1939.

REISSUES

MARCH 21, 1939

21,032

METHOD OF PROCESSING FINELY DIVIDED SOLIDS

Emile C. de Stubner, New York, N. Y.

No Drawing. Original No. 1,965,764, dated July 10, 1934, Serial No. 590,319, February 1, 1932. Application for reissue June 6, 1938, Serial No. 212,191

18 Claims. (Cl. 134—35)

1. A method of processing finely divided solids for ready incorporation into consumer products, which includes the steps of providing an initial dispersion of the finely divided solids in water, providing a suitable quantity of a substantially water-free dispersion medium, heating the said water-free dispersion medium to a temperature sufficient to vaporize water, introducing the said dispersion of finely divided solids in water into said heated dispersion medium at such a rate that the water in the dispersion is separated continuously as vapor on contact with said heated dispersion medium.

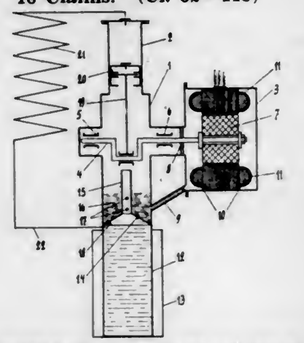
21,033

REFRIGERATOR

Willy Hirche, Leopoldshain, near Gorlitz, Germany, assignor, by mesne assignments, to E. Rothenberg, Berlin, Germany

Original No. 2,016,637, dated October 8, 1935, Serial No. 608,750, May 2, 1932. Application for reissue October 1, 1937, Serial No. 166,859. In Germany January 2, 1930

18 Claims. (Cl. 62—115)



1. A refrigerator in which as refrigerating medium a liquid is employed which does not combine with the lubricating oil, comprising in combination a crank case, an oil collecting chamber below and communicating with said crank case, an evaporator under said crank case and separated from said crank case by said oil chamber, a compressor connected to said crank case, and a pipe extending through said oil chamber having small feed apertures adapted to accelerate the passage speed of the gases sucked from said evaporator by said compressor to cause the gases to draw oil through the holes in said pipe and convey the same into said crank case.

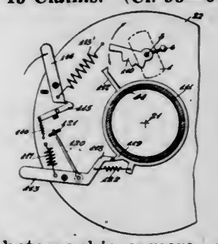
21,034

MEANS FOR AUTOMATIC EXPOSURE CONTROL

Josef Karg, Vienna, Germany, assignor, by direct and mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Original No. 2,061,909, dated November 24, 1936, Serial No. 25,080, June 5, 1935. Application for reissue December 8, 1938, Serial No. 244,698. In Austria June 9, 1934

15 Claims. (Cl. 95—64)



1. In a photographic camera, a lens; an adjustable exposure control element for controlling the quantity of light passed through said lens; a shutter; shutter actuating means; an electrically actuated means; a stepped movable member controlled by said electrically actuated means and adapted to control the limit position to which said exposure control element may be adjusted; a light sensitive device adapted to vary the current in said electrically actuated means in accordance with the intensity of light passed through said lens; and means actuatable by said shutter actuating means for automatically adjusting said exposure control element to the limit position determined by said stepped member.

PLANT PATENTS

GRANTED MARCH 21, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

319

CARNATION

Adolphe Frederick Jacob Baur, Indianapolis, Ind., assignor to Baur-Steinkamp and Company, Incorporated, Indianapolis, Ind.

Application July 22, 1938, Serial No. 220,795

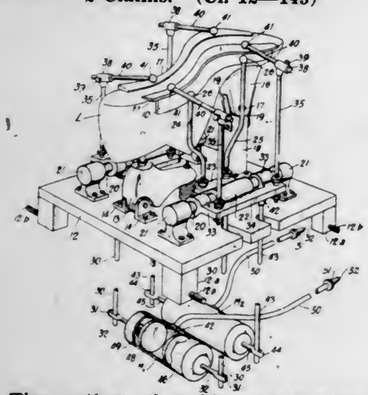
1 Claim. (Cl. 47—60)

The new variety of carnation herein shown and described, characterized particularly by its strong stems having unusually good length in the early part of the blooming season; its strong, non-splitting calyx, its vigorous growth and disease resistance; and its abundant production of deep pink (Rose Color) flowers with distinctive bright sheen.

PATENTS

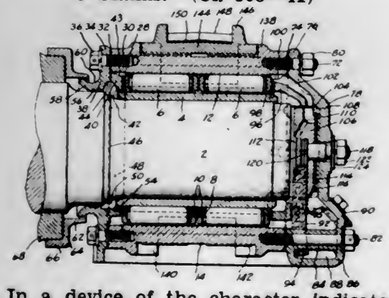
GRANTED MARCH 21, 1939

2,150,892
METHOD OF LASTING SHOES
Ralph De Liso, Brooklyn, N. Y.
Original application May 25, 1934, Serial No. 727,416. Divided and this application November 25, 1936, Serial No. 112,628
2 Claims. (Cl. 12—145)



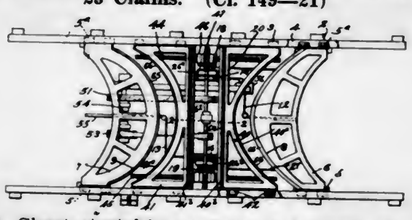
1. The method of making shoes which comprises first lasting the upper and temporarily securing the marginal side portions thereof at the shoe bottom on a last, positioning said last and upper assembly at one station, clamping the sides of the upper, then releasing said marginal side portions and rendering them adhesive while holding the upper clamped against the sides of the last, moving said assembly to another station, and then wiping said marginal side portions of the upper over the shoe bottom in engagement therewith to permanently adhesively unite said marginal side portions to the shoe bottom, and releasing the clamped portion of the upper.

2,150,893
JOURNAL BOX
Harold R. Gibbons, Chatham, and Otto W. Young, East Orange, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application June 20, 1933, Serial No. 676,662. Divided and this application March 23, 1936, Serial No. 70,240
5 Claims. (Cl. 308—41)



1. In a device of the character indicated, a journal box having a bearing surface, a bearing running on said surface, a shaft journal in said bearing, a thrust block opposing the shaft, a member having an annular portion between the shaft and the box and having a surface acting to guide the bearing, there being a circumferential lubricant groove outside of the guide surface and open to the bearing surface, and means for conducting lubricant from the groove to a point over the thrust block, said means comprising a passage intersecting said circumferential groove and inclining away from the groove and extending to a point over the thrust block, the passage being partitioned off from the shaft and being elongated in a direction away from its intersection with the groove, the elongated passage having closely adjacent side walls near the vertical central plane of the shaft whereby the lubricant entering the passage is retained by the side walls substantially directly above the shaft for gravity conduction to said point over the thrust block.

2,150,894
VARIABLE-ZONE LEATHER STRETCHING MACHINE
Carl Hugo Johanson, Los Angeles, Calif., assignor to Olivia S. Johanson, Los Angeles, Calif.
Application July 2, 1937, Serial No. 151,707
23 Claims. (Cl. 149—21)

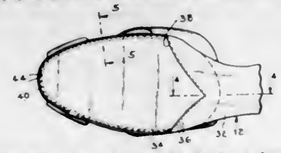


1. Sheet stretching apparatus including a set of coplanar slides, carriages arranged between and for moving the slides concurrently from each other and movable inwardly free thereof, elongate gripping means on the slides closeable against the carriages to frictionally grip interposed portions of the sheet substantially from edge to edge thereof, and means on the carriages presenting longitudinally arched or crowned edges for engaging and arching the sheet transversely to the lines of tension to apply local tension to certain portions thereof during the operation of stretching.

2,150,895
SHOE
Albert Leone, Long Island City, and Leo Sholtz, New York, N. Y., assignors to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application May 17, 1937, Serial No. 143,018
3 Claims. (Cl. 36—12)

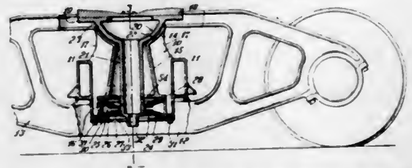
1. A lady's dancing shoe or the like comprising an upper, an insole which is very thin and soft at the forward portion of the shoe from the ball line to the toe, an outsole having a very thin and soft forward portion consisting of a thin and soft layer of sheet material such as elkskin extending from the ball line to the toe and from side edge to side edge of the shoe and a relatively thick

and stiff shank and heel portion, substantially the entire portion of the shoe bottom for the full thickness thereof from the ball line to the toe being characterized by high flexibility, pliability and pad-like softness and the portion of the shoe



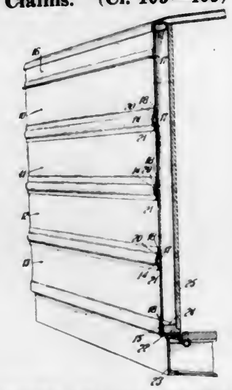
bottom rearwardly of the ball line being characterized by substantial rigidity, and a binding strip stitched to the edge of said layer of sheet material and secured at the upper marginal edge portion thereof.

2,150,896
TRUCK CENTER BEARING
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application July 3, 1936, Serial No. 88,776
9 Claims. (Cl. 105—199)



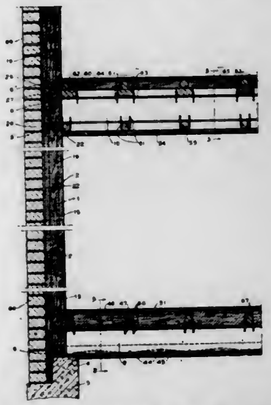
1. A center bearing of the character described comprising a car member and a truck member having a ball-and-socket bearing relation with each other adapted to permit relative oscillatory movement, said members being provided with depending telescoping portions, and resilient means between said portions whereby limited oscillatory movement is provided.

2,150,897
RAILROAD CAR CONSTRUCTION
Karl F. Nystrom, Milwaukee, Wis.
Application May 22, 1937, Serial No. 144,294
2 Claims. (Cl. 105—409)



2. In a railroad car construction, outer side walls composed of a plurality of elongated flat metal sheets of comparative width arranged lengthwise of the car sides one above the other in lapping relation, each sheet adjacent one longitudinal edge being off-set outwardly to an extent approximating the thickness of the sheets into a flat portion substantially parallel with the main flat portion of the sheet to provide a shoulder at the rear side of the sheet, thence bowed outwardly to provide a corrugation arcuate in cross section extending lengthwise of the car side wall and terminating in a flat marginal portion disposed substantially in the vertical plane of said first mentioned flat portion between the corrugation and the shoulder, the sheets being arranged with the flat longitudinal edge of one sheet rearward of and bridging the corrugation and abutting the shoulder of the adjacent sheet and in lapping relation with the flat marginal portions above and below the corrugation of said adjacent sheet and intimately secured to said portions by welding.

2,150,898
CONSTRUCTION OF BUILDINGS
Allan A. Ackley and Charles H. Angell, Mount Prospect, Ill.
Application June 22, 1936, Serial No. 86,602
24 Claims. (Cl. 72—1)

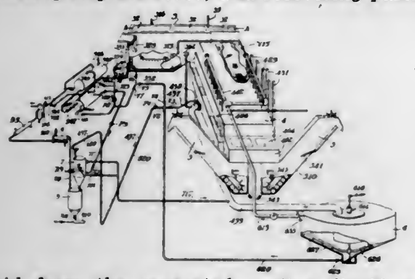


1. A wall section comprising, in combination, spaced stud members, a slab of insulating material thicker than the studs and disposed therebetween, said slab having edges complementary to adjacent edges of the studs, and means for attaching the slab to the studs comprising auxiliary members which are embedded in said edges of the slab and are engaged with said complementary edges of the studs.

2,150,899
METHOD OF AND APPARATUS FOR ISOLATING MINERALS
Henry L. Alexander, Wilmington, and Hubert I. du Pont, Rockland, Del., and Willing B. Foulke, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 31, 1936, Serial No. 98,819
10 Claims. (Cl. 209—172)

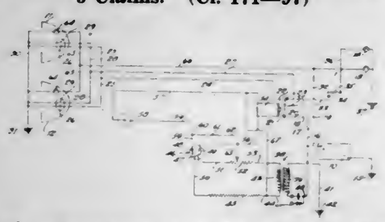
4. In a mineral separation process performed generally out of contact with the atmosphere, the steps of separating mixed mineral-containing materials of different specific gravities by immersing them in a parting liquid of intermediate specific gravity; scrubbing the separated constituents with an aqueous scrubbing liquid substantially insoluble in the parting liquid; separating the parting liquid and sludge from the used scrubbing liquid by settling and decantation;

returning the cleansed scrubbing liquid to the scrubbing step for reuse; and recovering parting



liquid from the separated parting liquid and sludge by sludge distillation.

2,150,900
AUTOMATIC CONTROL FOR VEHICLE HEADLIGHTS
Russel E. Alley, Austin, Minn., assignor of one-third to Francis N. Earl, Austin, Minn., and one-third to Bennett J. Porter, Albert Lea, Minn.
Application May 5, 1937, Serial No. 141,002
3 Claims. (Cl. 171—97)

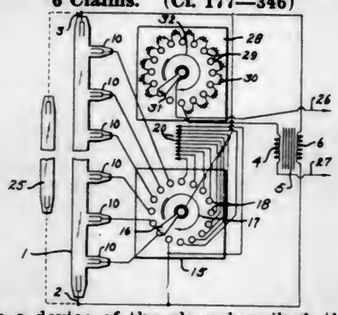


2. In combination a motor vehicle headlight system including bright and dim dual filament headlights; a parking light system; a common source of power; manual means for selectively energizing either the parking light system or the headlight system; means for automatically dimming said lights in response to the approach of an oncoming vehicle comprising an electromagnetic switch normally closing the bright filament circuit; a triode tube having plate, filament and grid elements; a secondary source of power energized from said common source; relatively high and low resistance elements connecting said filament in series with said secondary source of power; a circuit in series with said secondary source of power including the electromagnet of said switch, said plate, and the relatively low resistance part of the filament circuit; a variable resistance circuit connecting said grid to said low resistance element; and a series circuit including a light sensitive cell connected between said grid and the common point between the high resistance element and the terminal of the secondary source of power, adapted to control the grid bias of said triode in response to the effect of light rays from oncoming vehicles, whereby to automatically effect the selective lighting of the filaments in said headlights.

2,150,901
RUSTLESS IRON
William Bell Arness, Baltimore, Md.
No Drawing. Application February 1, 1938, Serial No. 188,186
5 Claims. (Cl. 75—128)

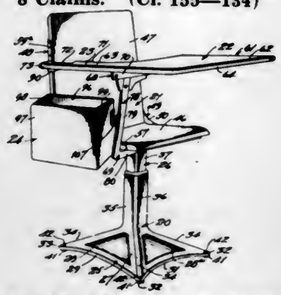
1. In a composition of matter of the class described, a corrosion-resisting alloy iron of good ductility, formability and weldability which is of improved stability and unsubstantially hardenable, said alloy iron comprising approximately, 9 per cent to 30 per cent chromium, 5 per cent to 15 per cent nickel, .005 per cent to .035 per cent nitrogen, .02 per cent to .07 per cent carbon, and the balance consisting of iron.

2,150,902
NEON ADVERTISING SIGN
William Van Bain, San Antonio, Tex., assignor to Neo-Rite Company, San Antonio, Tex., a corporation of Texas
Application June 15, 1936, Serial No. 85,308
6 Claims. (Cl. 177—346)



1. In a device of the class described, the combination comprising an elongated discharge tube having end terminals and spaced intermediate terminals, a source of electrical energy, a transformer, a rheostat connected in series with the primary of said transformer to said source of energy, connections between the secondary terminals of the transformer and the end terminals of the discharge tube, spark suppressor means in the secondary circuit of the transformer comprising a rotary contact switch having the movable contact thereof connected to one of said end terminals, one of the fixed contacts of said switch being connected to the other of said end terminals and the other of the contacts of the switch being connected sequentially to said intermediate terminals, and means interconnecting the movable contacts of said switch and rheostat so that the movable contacts will move in synchronism and the circuit through the transformer primary will be open when the end terminals are interconnected whereby spurious illumination of the tube will be avoided.

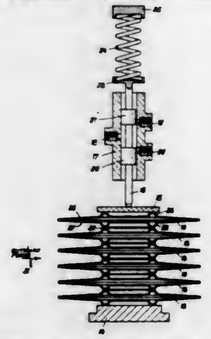
2,150,903
ARTICLE OF FURNITURE
William J. Bargen, Waukegan, Ill.
Application April 27, 1937, Serial No. 139,315
8 Claims. (Cl. 155—134)



1. In an article of furniture, a pedestal element

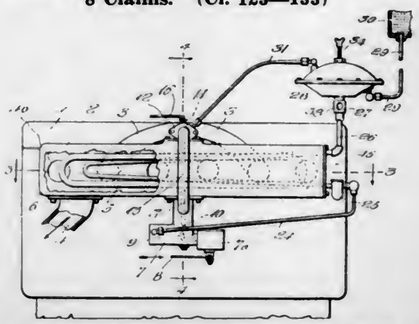
for supporting a chair element including a hollow frusto-pyramidal base and a standard integral at its lower end with the upper end of the base, said base having its sides, front and rear concaved, its side, front and rear lower edges concave and its front and rear lower corners rounded, and oppositely disposed curved flat foot-pieces of strip-like form secured against lower faces at opposed side edges of the base, each of said foot pieces extending from a forward lower corner to a rear lower corner.

2,150,904
DIAPHRAGM CELL ACTUATOR
Ewald Becker, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application August 17, 1937, Serial No. 159,599
In Germany August 18, 1936
3 Claims. (Cl. 137—156.5)



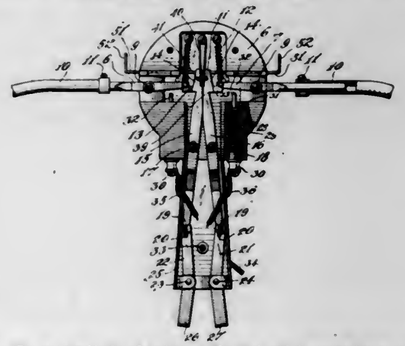
1. Diaphragm cell actuator comprising a plurality of superposed cells of thin flexible sheet metal each of said cells being tightly sealed, each cell wall having an annular outwardly projecting corrugation, said corrugation being metallically secured to the respective corrugation of the adjoining cell.

2,150,905
INTERNAL COMBUSTION MANIFOLD SYSTEM
Robert C. Belgau, Miami, Fla.
Application June 25, 1935, Serial No. 28,313
8 Claims. (Cl. 123—133)



1. In an internal combustion engine, a fuel mixture intake manifold, an exhaust manifold, a relatively long and narrow trombone-shaped vaporizing tube positioned in said exhaust manifold, said tube being continuous and arranged substantially to form the sides of a rectangle with rounded ends and of length great relative to its width, a single entrance pipe mounted centrally on one of the long sides of said tube, a single delivery pipe mounted centrally on the other of the long sides of said tube and provided with a delivery nozzle at its end remote from said tube, said nozzle being mounted for delivering vaporized fuel from said tube into said intake manifold, said tube being adapted to provide two similar symmetrical independent fuel channels from said entrance pipe to said delivery pipe, and a fuel jet mounted adjacent the end of said entrance pipe remote from said tube and adapted to spray atomized liquid fuel into said entrance pipe.

2,150,906
DIRECTION INDICATING DEVICE FOR MOTOR VEHICLES
Carl F. Bierbach, Newark, N. J., assignor of thirty per cent to Joseph F. Malley, and thirty per cent to George Massom, both of Newark, N. J.
Application March 2, 1937, Serial No. 128,621
4 Claims. (Cl. 200—59)

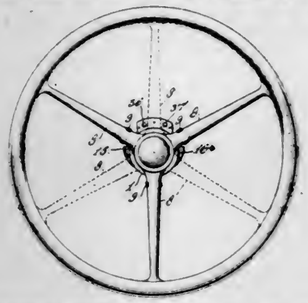


1. In a switch device a head of insulating material adapted to be attached to the spoke of a steering wheel of a motor vehicle, a lever pivoted in said head and having a notch in one end thereof, spring means tending normally to rotate said lever clockwise, a hand operable lever pivoted in said head and having a portion adapted to be received in said notch, said head having a recess in which is positioned a compression spring, a terminal engaging one end of said spring, a pin engaging the other end of said spring and projecting upwardly to a position adjacent the hand operable lever, spring means for normally maintaining said hand operable lever from engagement with said pin, and means for applying electric current to said first mentioned levers so that when the end of the hand operable lever rests in said notch current will be conveyed through the hand operable lever to the pin and spring and to said terminal, all of said levers being made of an electrical conducting material.

2,150,907
DIRECTION INDICATING DEVICE FOR MOTOR VEHICLES
Carl F. Bierbach, Newark, N. J., assignor to A. D. S. Corp., a corporation of New Jersey
Application July 7, 1937, Serial No. 152,301
7 Claims. (Cl. 200—59)

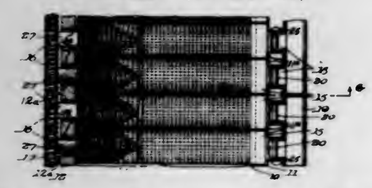
1. In a direction indicating device for motor vehicles, a casing adapted to be mounted upon a steering post, a lever pivotally mounted in said casing, means tending normally to cause a portion of said lever to project outside of the casing,

contact means on said lever for closing an electrical circuit through direction indicating lamps when said projecting portion of the lever is moved into the casing, detent means for holding said lever in a circuit closing position, a rod mounted in said casing, a block slidably mounted on the rod and having a pin projecting therefrom, a cover for the casing and rotatable with a steering wheel, said cover having a pair of diametri-



cally arranged pins mounted on the underside thereof and positioned to normally engage the pin on the block to slide the block along the rod, and spring means to normally maintain the block in a predetermined position on the rod so that when the steering wheel and cover are moved to a position to straighten out the guide wheels of the vehicle, the block will disengage the detent to enable the parts to be restored to a neutral position.

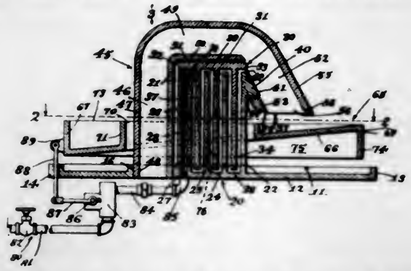
2,150,908
STOKER
Francis H. Brown, Ridley Park, Pa., assignor to The Real Estate-Land Title and Trust Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 22, 1934, Serial No. 749,437
13 Claims. (Cl. 110—28)



9. In a furnace in combination with a fire box, a grate structure comprising a plurality of hollow cylindrical grate bars mounted for rotation and disposed in parallel relation, each grate bar having a plurality of apertures, means for delivering to the interior of each grate bar solid fuel in finely divided form and forcing said fuel through said apertures for combustion, means for controlling the direction of the flow of said fuel through said apertures and means for rotating said grate bars.

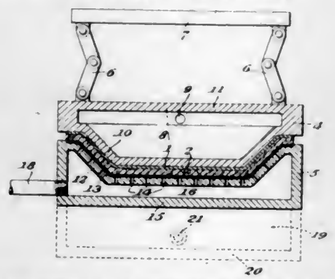
2,150,909
OIL BURNER
Robert A. Campbell, Los Angeles, Calif.
Application September 1, 1936, Serial No. 98,849
12 Claims. (Cl. 158—84)

1. An oil burner comprising in combination a tray, a pan pivotally mounted on the tray and having an opening, a gas generator structure mounted on the tray and extending through the said opening of the pan and having a devious passage for the flow of oil from an inlet to an outlet orifice, an oil supply pipe connected to the inlet, said pipe having a valve therein, a



connection from the valve to the pan whereby oil depositing in the pan unbalances said pan and actuates the valve to control the flow of oil.

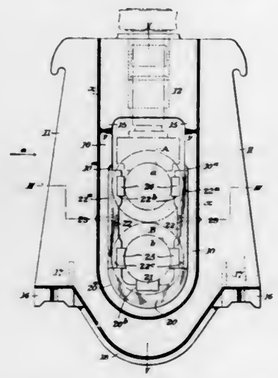
2,150,910
PULP ARTICLE AND METHOD OF MANUFACTURE
Merle P. Chaplin, South Portland, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association
Application April 9, 1937, Serial No. 135,906
5 Claims. (Cl. 92—56)



1. The method of manufacturing a multi-layer molded pulp contoured article as a plate, dish, cup or other shaped article, which comprises forming from fibrous pulp a plurality of wet article layers corresponding substantially in size and shape to the size and shape of the ultimate article, one of said layers being composed in part at least of cellulosic fibrous material of gel-like characteristic which layer when dried effectively resists penetration of moisture grease and oil therethrough, uniting said layers in superimposed order as a composite article, and confining the composite article between a pair of dies substantially corresponding in size and shape to the formed article layers while simultaneously applying sufficient heat and pressure over substantially the entire surface of the article to bond the layers and dry the article without appreciable distortion or appreciable shrinkage thereof in a direction coextensive with the surface of the article.

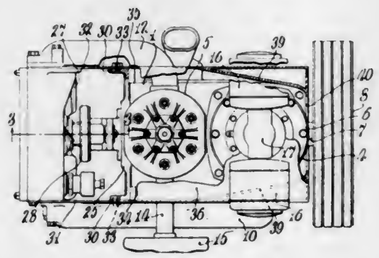
5. An individual multi-layer molded pulp article of dished shape, consisting of a plurality of superimposed pre-shaped fibrous layers, one of said layers being composed of gel-like fibrous material which in dried state forms a hard, tough but flexible layer effectively resisting penetration of moisture, grease and oil, said last named layer being partly forced into the surface of the other layer and exhibiting a substantially smooth ironed surface.

2,150,911
ROLLING MILL HOUSING
Everett Chapman, Coatesville, Pa.
Application August 31, 1934, Serial No. 742,308
Renewed June 9, 1938
18 Claims. (Cl. 80—55)



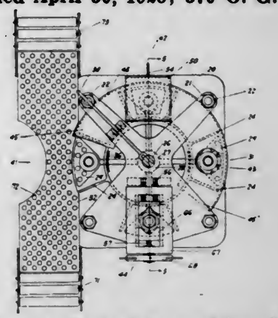
1. In a rolling mill housing, a continuous load-resisting member forming the roll-receiving space, supporting plates therefor disposed in parallelism; said plates flanking and underlying said load-resisting member and welded thereto, upper roll adjusting means surmounting said load-resisting member and disposed between said supporting plates and secured thereto, and a bearing-block receiving element connected to the main load-resisting member in such a manner that it does not elastically participate in the vertical loads.

2,150,912
AIR COMPRESSOR
Lewis J. Clapp, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application April 18, 1936, Serial No. 75,088
18 Claims. (Cl. 230—182)



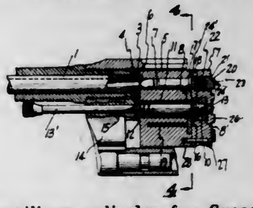
1. In combination, in a compressor, a crankcase, a crankshaft in said crankcase, a plurality of cylinders supported by said crankcase, a heat exchange device arranged at one end of said crankcase and cut by a vertical plane in which the axis of rotation of said crankshaft lies, supporting means for said heat exchange device, including only side plates supported at the opposite sides of the crankcase and extending longitudinally of the latter, and conducting means connecting said heat exchange device in series with said cylinders.

2,150,913
SHELL FILLING AND CLOSING MACHINE
Frank L. Drew, Aberdeen, Md.
Application January 6, 1936, Serial No. 57,758
4 Claims. (Cl. 86—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A filling and closing machine for shells, bombs and the like comprising a hood substantially arcuate in plan and channel-shaped in section with the open side of the channel facing inwardly, a rotary shell carrier having means to support four shells in upright position, said shell carrier having a cylindrical wall which substantially closes the open side of said hood and having wings which may pass through the hood to substantially close the same, a shell clamping device including means to grip a shell and prevent turning thereof whereby a closure member may be securely applied to the shell, a downwardly extending filling nozzle, and common means to simultaneously raise said rotary shell carrier to position an empty shell in proximity to said filling nozzle and a filled shell within said clamping device.

2,150,914
ATTACHMENT FOR FIREARMS
Alonzo F. Gaidos, Redwood City, Calif.
Application January 15, 1935, Serial No. 1,938
16 Claims. (Cl. 42—77)

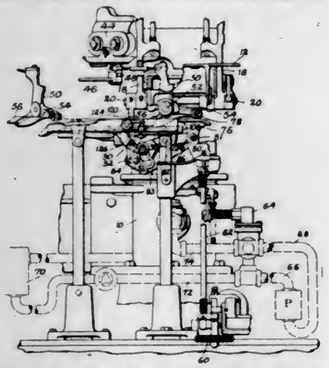


1. An auxiliary cylinder for firearms with revolving cylinders, comprising a cylinder with holes to hold sub-caliber ammunition, a separate and detachable firing-pin block on the firing end of the cylinder, and a plurality of firing-pins in the block operatively aligned with the respective ammunition in the holes of the cylinder and being adapted to transmit an impact from a firing mechanism of said firearm to the respective ammunition.

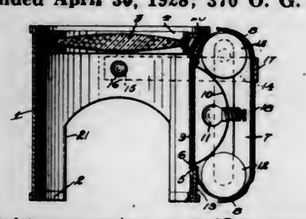
2,150,915
SOLE PRESS
Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 11, 1938, Serial No. 195,355
7 Claims. (Cl. 12—37)

1. In a machine for pressing soles upon shoe

bottoms, a yielding pad to receive the sole and shoe, pressure-applying means movable into and out of position relatively to the pad to apply pressure to the shoe, means for operating said pressure-applying means, and means controlled by the position of said pressure-applying means for determining whether or not the operating means shall actuate the pressure-applying means.



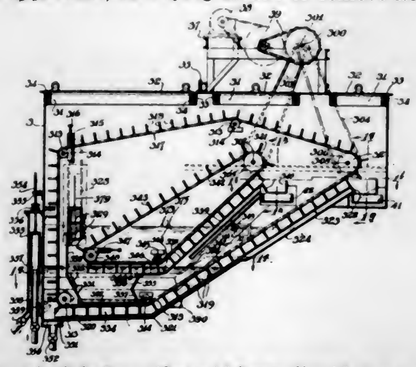
2,150,916
READING GLASS
Emmett G. Forgea, Fort Sill, Okla.
Application December 17, 1937, Serial No. 180,452
2 Claims. (Cl. 88—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



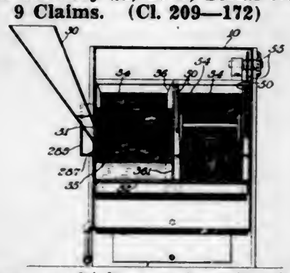
1. A light conserving magnifier comprising a casing having an internal light reflecting surface and a lateral opening, one end of said casing constituting a magnifying lens, the other end of said casing being open and having a peripheral edge lying in a plane, which peripheral edge is adapted to seat on a surface to be examined, means constituting a light source contiguous to said lateral opening, said light source adapted to project light rays through said opening onto the internal light reflecting surface of said casing and another lateral opening in said casing constituting a window through which an indicator may be inserted, said last mentioned lateral opening extending through said peripheral edge.

2,150,917
PROCESS OF AND APPARATUS FOR SEPARATING
Willing B. Foulke, Media, and William A. Wills, Frackville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 31, 1936, Serial No. 98,821
8 Claims. (Cl. 209—172)

1. Apparatus for the classification of minerals of different specific gravities which comprises a tank, means to admit liquid to the tank, means to maintain the level of the liquid, a separating chamber having receiving and discharge ends, said separating chamber being at least in part below the liquid level and having an opening in the lower part thereof, means to admit a second liquid above the level of the first, means for admitting solids to the separating chamber at the receiving end thereof beneath the level of the upper liquid, conveying means to withdraw sinking solids from beneath the separating chamber, means to draw from the said solids the entrained liquid, means to discharge the said solids from the apparatus, conveying means to remove floating materials from the said lower liquid, means to draw off entrained liquid from the said floated solids, means to discharge the said floated solids from the apparatus, said conveying means moving the liquids continuously from the receiving to the discharge end of the separating chamber, means to return the liquids to said separating chamber adjacent said receiving end, means to drive the said conveying means, and means for draining said tank.



2,150,918
CLASSIFICATION SYSTEM
Willing B. Foulke, Media, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 21, 1937, Serial No. 121,386
9 Claims. (Cl. 209—172)



8. The process which comprises plunging a mass containing particles of different densities into a stream of water having sufficient depth and velocity to produce an initial horizontal classification and thereafter subjecting the particles of the mass in the relationship produced by the said stream to the vertical classifying effect of a still body of a liquid having a density between the densities of the said particles.

2,150,919
TREATING HIDES
Erich Hansen, Hohokus, N. J., assignor to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application April 17, 1935, Serial No. 16,930
3 Claims. (Cl. 8—111)

1. The method of treating animal hides or skins which comprises dehairing the hide or skin, immersing the hide or skin in an aqueous bath containing sulfuric acid in an amount sufficient to produce pH value of between about 4 to 7 whereby the hide or skin is plumped and absorbs sufficient acid from the bath to render the skin acid and thereafter immersing the plumped hide or skin in a solution containing hydrogen peroxide until the hide or skin is impregnated with the same, removing the hide or skin so impregnated and permitting the same to dry until a substantial proportion of the water has been eliminated and the hide or skin has been bleached to the desired extent.

2. The method of treating animal hides or skins which comprises dehairing the hide or skin, immersing the hide or skin in an aqueous solution containing sufficient acid to produce a pH value of about 4 to 7 whereby the hide or skin absorbs sufficient of the solution to render the same acid in reaction and thereafter adding to the bath an amount of hydrogen peroxide sufficient to produce the proper color and level in the skin when the same is dried, the pH value of the solution being maintained at less than about 7.

2,150,920
PREPARATION OF TERTIARY ALKYL PHENOLS
Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application May 23, 1935, Serial No. 23,022
13 Claims. (Cl. 260—624)

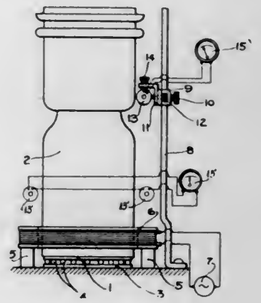
1. The method of reacting a tertiary alcohol with material selected from the group consisting of phenol (C_6H_5OH) and ortho cresol in contact with concentrated sulphuric acid which comprises gradually adding the sulphuric acid to a mixture of the material used while maintaining said mixture in a temperature range between about 10° C. and about 25° C.

2,150,921
MANUFACTURE OF IMINO-AMINO-METHANE-SULPHINIC ACID
Emeric Havas, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1937, Serial No. 173,847
6 Claims. (Cl. 260—513)

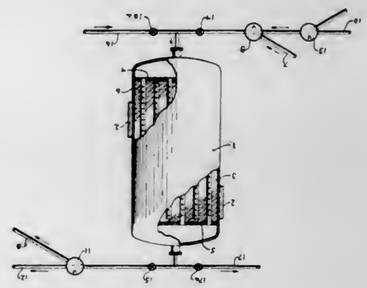
1. In the process of preparing imino-amino-methane-sulphinic acid, the step of reacting together an aqueous solution of thiourea and an aqueous solution of hydrogen peroxide.

2,150,922
APPARATUS AND METHOD FOR DETECTING DEFECTS IN ELECTRICALLY CONDUCTIVE OBJECTS
Donald L. Hay, Washington, D. C.
Application September 22, 1936, Serial No. 101,978
9 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of determining the approximate depth of a defect below the surface of an electrically conductive object which comprises the steps of generating a primary, cyclically varying, electro-magnetic field, inducing eddy currents with said field in the object to be tested, super-imposing the electro-magnetic field produced by said eddy currents on said primary field, varying the frequency of the primary field, measuring any deviation in the symmetry of the resulting electromagnetic field and noting the frequency of the primary field at which any deviation in symmetry first appears whereby the approximate depth of the defect below the surface of the object may be determined.



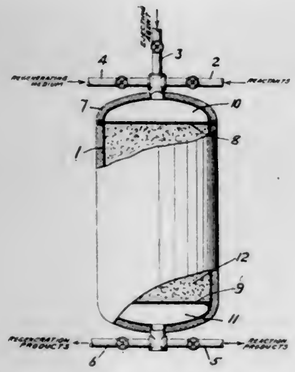
2,150,923
METHOD OF CATALYSIS
Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application April 18, 1935, Serial No. 17,136
3 Claims. (Cl. 196—52)



1. In the catalytic conversion of fluid reactants, the steps of process which comprise feeding the reactants under suitable temperature and pressure conditions and in a substantially vaporous or gaseous state to an adsorptive catalyst containing an active, readily reducible metal capable of effecting the desired conversion and possessing the characteristic of retaining vaporous or gaseous products of conversion adsorbed therein to the exclusion or substantial exclusion of the aforesaid reactants fed to said catalyst, said catalyst being maintained in a confined reaction zone, continuing the feeding of said reactants into said reaction zone for a period of time until said catalyst is saturated to substantial extent with adsorbed vaporous or gaseous products of reaction; temporarily stopping the feeding of said reactants to said zone and introducing into said zone a gaseous substance which is substantially inert to said reactants and is capable of chemically changing said metal into a sulphur compound of the metal which has

a substantially diminished adsorptivity as compared with the aforesaid metal, thereby to release adsorbed vaporous or gaseous products of reaction from said catalyst; then stopping the feeding of said gaseous substance and introducing a reducing agent into said zone chemically to reconvert the chemically changed metal back to active, adsorptive condition; when said metal is again in active, adsorptive condition, again feeding the aforesaid reactants to be catalyzed to said reaction zone and in contact with the aforesaid catalyst, and repeating the above steps of process.

2,150,924
PROCESS OF CATALYSIS
Eugene J. Houdry, Philadelphia, Pa., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application April 18, 1935, Serial No. 17,137
3 Claims. (Cl. 196—52)



2. In the chemical transformation of hydrocarbon fluid with an adsorptive contact or catalytic mass, adapted periodically to be reactivated in situ to remove solid deposits therefrom and composed essentially of materials from the group consisting of silicates of alumina and clayey materials, wherein a hydrocarbon fluid product of changed characteristics results, said fluid product being substantially completely in vapor phase under the conditions of the reaction, the method of improving the production of desired resultant hydrocarbon fluid by enhancing the effective adsorptive affinity of the contact mass for the reactant fluid relative to the fluid products of reaction which comprises intermittently interrupting the supply of reactant fluid to the mass and introducing into the said contact mass steam as an inert fluid material under conditions including temperature so that there will be no substantial reaction between said inert fluid and said catalytic mass, nor any deleterious reaction between said inert fluid material, on the one hand, and reactants and reaction products, on the other, said inert fluid being capable of purging adsorbed hydrocarbon products of reaction from said mass without deleteriously affecting the same, so as to enhance the adsorptivity of said contact mass for the reactant hydrocarbon fluid; after release of adsorbed vaporous hydrocarbon products from said contact mass, withdrawing retained purging fluid from said mass by applying a vacuum thereto; then again passing fluid hydrocarbon reactants into said contact mass, and repeating the above steps of process a plurality of times between consecutive periods of reactivation of said mass to remove solid deposits therefrom.

2,150,925
WELDING ELECTRODE COATING
Archibald P. Johnston, Altadena, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 19, 1936, Serial No. 106,423
3 Claims. (Cl. 148—26)



2. A flux for use in arc welding, consisting of:

	Percent
Aluminum oxide	10 to 30
Manganese carbonate	0 to 10
Titanium dioxide	20 to 50
Sodium silicate	15 to 35
Silica	0 to 50

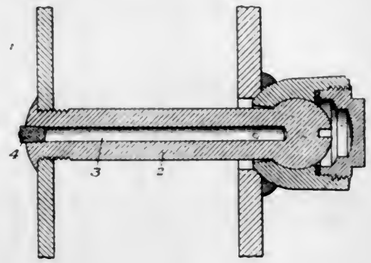
2,150,926
PROCESS OF MAKING AND BLEACHING PAPER
Hans O. Kauffmann and George M. Wolfe, Jr., Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application July 3, 1937, Serial No. 151,947
5 Claims. (Cl. 92—40)

1. The method of producing sheet material of unified vegetable fibers by forming an aqueous pulp of the fibers into a sheet and removing a substantial proportion of the water from the fibers producing a pulp sheet wherein the liquor ratio is between about one-half to one to two to one, which comprises incorporating a bleaching solution generating active oxygen in and throughout the pulp sheet and thereafter eliminating substantially all the moisture from the sheet whereby the bleaching agent is progressively concentrated for effectively bleaching the fibers.

2,150,927
POROUS PLUG FOR STAYBOLTS AND THE MANUFACTURE THEREOF
William T. Kilborn, Pittsburgh, and Frederick K. Landgraf, Crafton, Pa., assignors to Flannery Bolt Company, Bridgeville, Pa., a corporation of Delaware
Application April 30, 1936, Serial No. 77,186
5 Claims. (Cl. 85—1.5)

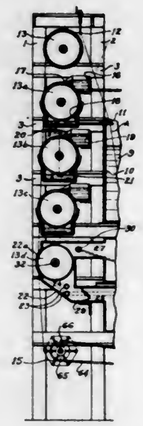
1. A porous plug for staybolts comprising a refractory body of a porous character having a

surface coating of a material thereon of a glaze-like nature for increasing the frictional contact



between the plug and the wall of the hole in the bolt.

2,150,928
MANUFACTURE OF THREAD OR THE LIKE
Hayden B. Kline, Walter F. Knebusch, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application January 12, 1933, Serial No. 651,404. Divided and this application November 14, 1935, Serial No. 49,774
3 Claims. (Cl. 18—54)

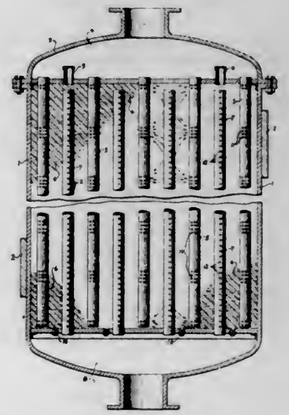


2. In the manufacture of multiple filament viscose artificial silk thread by a process according to which the substantially completely regenerated thread, following its formation in the normal way in the conventional type of coagulating bath, is continuously but temporarily stored in the form of a travelling spiral characterized by a large number of closely spaced, generally helical turns on each of a plurality of rotating thread-advancing reels on one or more of which it is subjected to a processing operation, the method comprising continuously stretching the thread by a predetermined amount as it passes between two adjacent reels by rotating the succeeding reel at a peripheral speed greater than that of its predecessor, the stretching operation being performed continuously.

2,150,929
METHOD OF FORMING PROTECTIVE COATINGS ON METALLIC SHEETS
Henry L. Kohler, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
No Drawing. Application May 21, 1937, Serial No. 144,029
10 Claims. (Cl. 91—68.1)

1. The method of increasing the resistance to corrosion of a fabricated galvanized metallic sheet comprising the application of mercury to the sheet after fabrication at ruptures in the zinc coating thereon resulting from such fabrication and spreading the resulting amalgam over said ruptures.

2,150,930
TEMPERATURE REGULATION OF CHEMICAL REACTIONS
Raymond C. Lassiat, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application August 15, 1935, Serial No. 36,278
11 Claims. (Cl. 23—288)

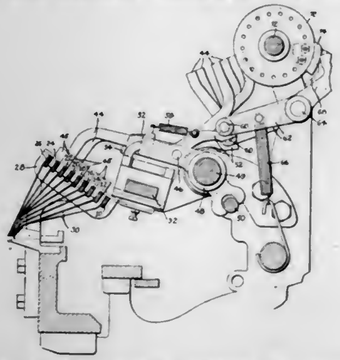


1. The process of effecting chemical reactions in the presence of a contact mass disposed in a confined reaction zone which comprises charging the reactant fluid into said mass at a plurality of points throughout the depth and breadth of said zone, removing the products of the raction at a plurality of points throughout the depth and breadth of said zone but spaced from said first named points, and effecting a general movement of a portion of the fluid, which passes through said mass, from the center toward the end portions of said zone through which said reactant fluid is introduced thereinto so as to increase the velocity at which fluids pass through said mass without substantially altering the overall space velocity of fluids through said reaction zone, thereby to improve the temperature control of the reaction and to increase the contact of the fluid with the mass.

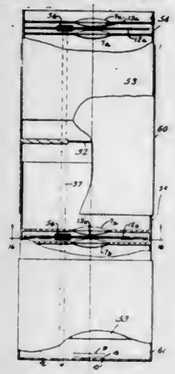
2,150,931
FLAT KNITTING MACHINE
Karl Richard Lieberknecht, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application May 6, 1937, Serial No. 141,006
10 Claims. (Cl. 66—127)

5. A flat knitting machine comprising a carrier rod, a friction box, means for reciprocating the

carrier rod from the friction box including a connecting arm normally disengaged from the friction box, and automatic means for permitting engagement of the connecting arm and the friction box during a traverse of the latter.

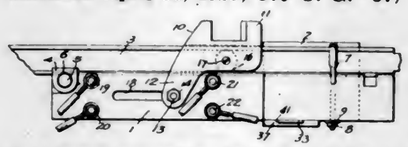


2,150,932
METHOD OF AND MEANS FOR PRODUCING STEREOSCOPIC PHOTOGRAPHS
John M. McDonnell, Dayton, Ohio
Application June 25, 1936, Serial No. 87,242
17 Claims. (Cl. 88—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



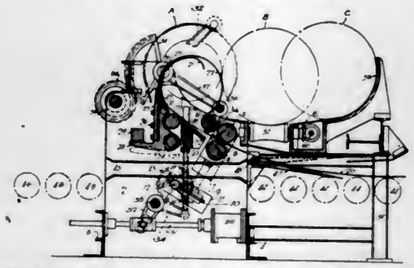
1. In a still camera having lenticulated film, each element of which is provided with an effective aperture approximately equal to F2.4, a housing, a slotted diaphragm slidably engaging the forward extremity of said housing, an objective lens having an effective aperture approximately equal to F2.4 and an effective diameter of at least two and one-half inches fixed to said forward housing extremity and covered by said diaphragm, a translucent screen mounted normal to the axis of said lens within said housing in the focal plane position such that the paths of all converging rays passing through said diaphragm slot from a predetermined object point intersect in a common focal point, a like second slotted diaphragm mounted aft of and parallel to said translucent screen freely slidably with respect to said housing, a like second objective lens fixed parallel to and immediately aft of said second slotted diaphragm, a lenticulated film carried in predetermined relation to said second objective lens, and means inducing like simultaneous movement of the aforesaid diaphragm slots across the faces of the aforesaid lenses to cause rays from near object points to intersect or focus in the plane of said film surface and rays from more distant object points to focus virtually in or behind said film, thus, in effect, establishing a reversal of relation of the focal planes of near and distant object points.

2,150,933
BOMB RELEASE MECHANISM
Walter G. McNeill, Walter B. Kern, and Robert W. Wade, Dayton, Ohio
Application July 8, 1937, Serial No. 152,604
9 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a bomb release mechanism, a spring actuated pull rod having a notch, a cocking lever with oppositely extending arms in the plane of said pull rod and adapted to be moved into and out of parallelism with the longitudinal axis of said pull rod when pivoted about the junction of said arms, the open end of one of said arms having a projection normal thereto adapted to engage with said notch when said lever is in cocked position, and the open end of said other arm having a bearing surface adjacent to said pull rod, a release lever disposed between and adapted to be rotated into and out of normalcy with said pull rod and said cocking lever, the pull rod end of said release lever being pivoted and the other end thereof being provided with a notch adapted to engage said cocking lever bearing surface, spring means for holding said release lever notch in engagement with said bearing surface when cocked, and solenoid means for counteracting said spring means and actuating said release lever.

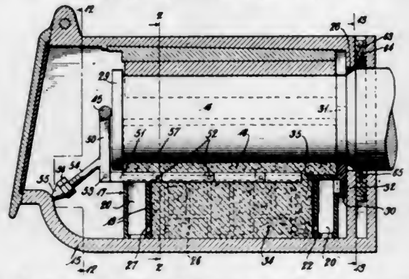
2,150,934
HOT STRIP COILER
Edward N. Millan and Edwin B. Hudson, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 2, 1935, Serial No. 19,466
18 Claims. (Cl. 242—78)



10. A process of coiling hot metal which comprises feeding a metal strip under power into a flexible metal sheath for confining said strip into coil form, and facilitating motion of said strip with reference to said sheath by introducing between said sheath and said strip fluid under pressure.

15. In combination in a coiling device, feeding means, a pair of supporting rolls for a coil, and a cylindrical smooth surface sheath adapted to receive a strip fed by said feeding means and form said strip into a coil resting wholly upon said supporting rolls, and power driven means for flexing said sheath to control the increasing diameter of the coil.

2,150,935
JOURNAL LUBRICATOR
Rudolph W. Miller, Winona, Minn.
Application March 17, 1936, Serial No. 69,394
4 Claims. (Cl. 308—88)

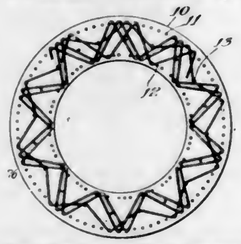


1. A journal lubricator comprising, in combination: an absorptive pad to contact with the surface of a journal; a resilient mass comprising sponge rubber acting in compression between the bottom of a journal box and said pad to press the surface of said journal; and absorptive means engaging said pad and extending through said mass to dip into oil in the journal box.

2,150,936
AQUEOUS HEAT TRANSFER LIQUID
Ezra J. Morgan, Chicago, Ill., assignor, by mesne assignments, to Meritor Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 6, 1936, Serial No. 94,556
12 Claims. (Cl. 252—5)

4. The method of cooling an internal combustion engine which comprises circulating in the system thereof a heat transfer liquid possessing antifreeze qualities and including from about 7 to about 40 per cent. of a difficultly oxidizable oil, more than 50 per cent. of water, a substantial proportion of polyhydric alcohol and an emulsifying agent maintaining the constituents in a homogeneous dispersion.

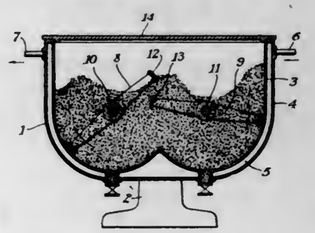
2,150,937
CLUTCH FACING
Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application February 24, 1936, Serial No. 65,363
3 Claims. (Cl. 192—107)



1. A friction facing which comprises a compressed and cured annular ring which includes essentially asbestos yarn wound in an angular design which repeats itself throughout a helicoidal path.

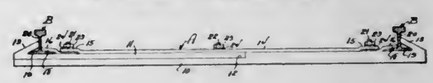
2,150,938
WITHDRAWN

2,150,939
PLASTICIZING METHOD
Spencer E. Palmer, Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application March 23, 1936, Serial No. 70,201
4 Claims. (Cl. 106—40)



1. The method of uniformly and homogeneously plasticizing a cellulose organic acid ester with a solvent plasticizer which is a solvent of the ester at atmospheric temperatures, which comprises cooling the plasticizer to a temperature below that at which the plasticizer has an active solvent action on the ester but above the melting point of the plasticizer, adding the cooled plasticizer to the cellulose ester, thoroughly mixing the two materials at said temperature and thereafter raising the temperature to a point at which the plasticizer becomes an active solvent of the ester.

2,150,940
SECTIONAL REMOVABLE RAILWAY TIE
James C. Purdon, Akron, Ohio
Application November 29, 1937, Serial No. 177,097
1 Claim. (Cl. 238—37)

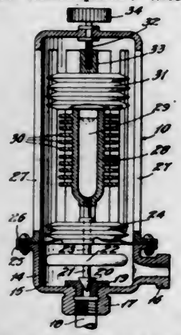


A tie of the character described comprising a body of two sections, one of the sections being cut away at the upper side thereof and wholly seating the other section therein with the uppermost faces of both sections flush with each other, an outside rail-engaging jaw rising from each of the said sections, inside rail-engaging jaws countersunk in and bolted to the sections, means fastening the sections together with one wholly seated in the other, and including a tie bar between the inside jaws for overlapping the same and fastened with the sections and with the bolts of said inside jaws.

2,150,941
STEAM RADIATOR
Bo Folke Randel, San Diego, Calif.
Application January 27, 1936, Serial No. 60,967
4 Claims. (Cl. 236—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

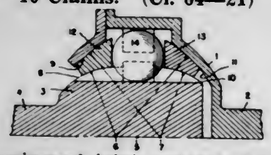
1. In combination with a steam radiator having

inlet and outlet pipes, a valve mechanism located in said outlet pipe and responsive to the temperature of both the atmosphere and the steam in



said radiator for controlling the discharge of condensate from the radiator, thus to vary the internal area of the radiator exposed to the heating effect of the steam.

2,150,942
TORQUE TRANSMITTING UNIVERSAL JOINT
Alfred H. Rzeppa, Grosse Pointe, Mich.
Application February 21, 1938, Serial No. 191,745
10 Claims. (Cl. 64—21)



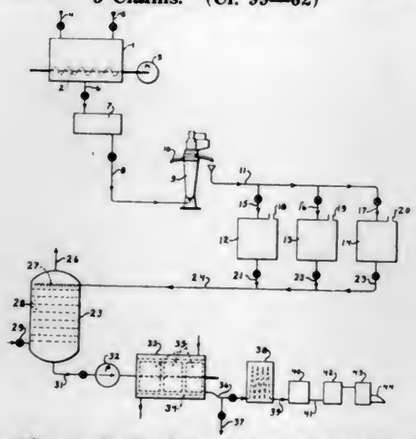
1. In a universal joint, outer and inner members having opposed pairs of spherical zones the zones of each pair being spaced from and nonconcentric with each other with the centers thereof axially spaced, and a pair of intermediate floating members having complementary spherical surfaces and being in thrust engagement with each other whereby relative angular movement of said outer and inner members is determined by said floating members to be substantially about a point midway between said spaced centers.

2,150,943
METHOD OF MAKING CREAMERY PRODUCTS
Laurence P. Sharples, Ardmore, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 1, 1935, Serial No. 47,745
7 Claims. (Cl. 99—119)



1. The method of producing a standardized plastic creamery product having a given butter fat content which comprises the steps of centrifuging a liquid creamery product containing butter fat in the dispersed phase to produce a cream containing at least 65% butter fat and in excess of the proportion of butter fat desired in the final product, diluting said concentrated cream to produce a liquid cream having the proportion of butter fat desired in the final product, and thereafter cooling said concentrated and standardized product to effect modification thereof to a plastic condition, and working said plastic product in a manner to avoid expulsion of liquid therefrom to change the texture of said product while retaining its standardized liquid content.

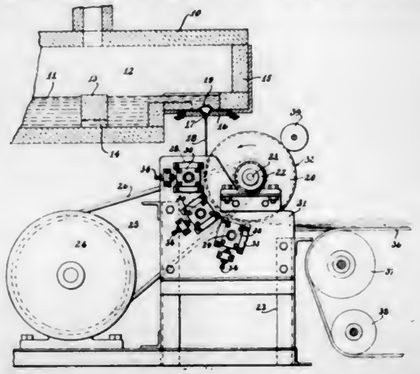
2,150,944
TREATMENT OF CREAMERY PRODUCTS
Laurence P. Sharples, Ardmore, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1937, Serial No. 142,422
5 Claims. (Cl. 99—62)



1. The method of producing a standardized plastic creamery product having a given butter fat content which comprises the steps of centrifuging a liquid creamery product containing butter fat in the dispersed phase to produce a cream containing at least 65% butter fat and in excess of the proportion of butter fat desired in the final product, diluting said concentrated cream to produce a liquid cream having the approximate proportion of butter fat desired in the final product, subjecting said diluted cream to subatmospheric pressure sufficient to substantially de-gas said cream, and thereafter cooling said cream in a closed system under conditions preventing contact with the atmosphere to a temperature sufficiently low to convert said cream to a condition of plasticity, and working said plastic product in a manner to avoid expulsion of liquid therefrom to change the texture of said product while retaining its standardized liquid content.

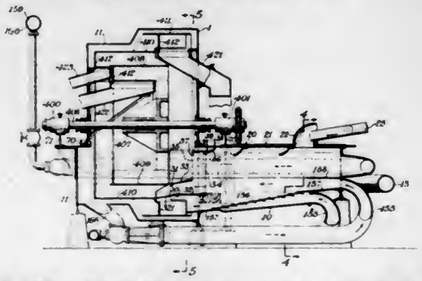
2,150,945
METHOD AND APPARATUS FOR SPINNING GLASS WOOL
Games Slayter, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 1, 1934, Serial No. 713,512
Renewed June 3, 1938
17 Claims. (Cl. 83—91)

1. The method which comprises flowing a small stream of molten or viscous material through space, bringing said material in filamentary form into contact at a tangent with a cylindrical surface rotating at a high speed about a stationary axis, causing said material to advance in the form of a filament over said surface in frictional contact therewith and continuously drawing out or attenuating the material in its passage through space by the pull of the said surface, and causing



the attenuated material to depart in the form of a filament from said surface in a direction tangential thereto.

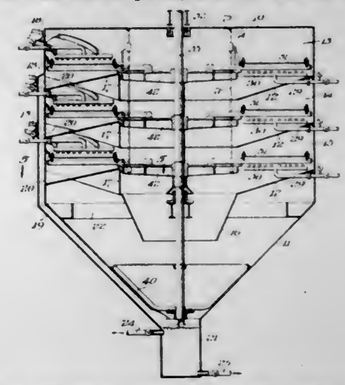
2,150,946
CLASSIFICATION SYSTEM
Frank E. Smith, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 21, 1937, Serial No. 121,401
16 Claims. (Cl. 209—172)



6. The apparatus comprising an enclosed channel, means for passing a stream of liquid through said channel, means for controlling the depth of said stream, means for controlling the velocity of said stream, means to admit a discontinuous mass to said channel, and means comprising a wheel having a plurality of concentric series of compartments moving across said stream in different zones thereof at a distance from said means of admission for removing sunken and floating parts of said mass separately from said apparatus, said compartments admitting and retaining solids carried by the stream and admitting and discharging the liquids thereof.

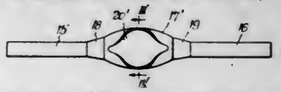
2,150,947
WASHING APPARATUS
Frank E. Smith, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 23, 1937, Serial No. 121,991
5 Claims. (Cl. 209—271)

1. In a washer a cylindrical tank having a conical bottom, vertically arranged partitions therein opening toward the center, a standard journaled in the tank, means to rotate the standard, radial supports mounted on the standard, perforated pans mounted on the radial supports for tipping on a radial axis, means to admit material to the pans, means to wash the material in the pans, means to tilt a pan comprising a lever thereon, a track to make contact with the lever to tilt the pans, a track to make contact with the lever to level the tilted pans, and means to lock the



pans in position during filling and washing comprising a ratchet on the standard, a cooperating projection on the pan and means to operate the said locking means comprising a track and a spring pressed member riding thereon, operated thereby, and operatively connected to the said ratchet.

2,150,948
AXLE HOUSING AND METHOD OF MAKING THE SAME
George Spatta, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application June 14, 1935, Serial No. 26,535
8 Claims. (Cl. 29—153.1)

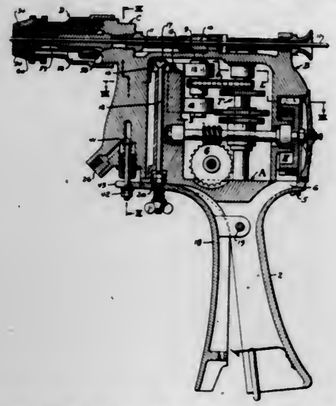


1. The method of forming a unitary axle housing from a tubular blank of uniform wall thickness, which comprises swaging arm portions on said blank of decreased external diameter, said blank having a pair of opposed longitudinal slots in said central portion, further swaging the blank to reduce the diameter of the arm portions and simultaneously increase their wall thickness progressively toward the outer ends thereof, spreading said slotted portion of said blank to form a banjo frame having a wall thickness substantially equal to the original thickness of said blank, upsetting metal inwardly at the ends of said arms, swaging said ends to reduce the diameter thereof and to form reinforced bearing seating portions, heating said blank and quenching the same to temper said housing, and machining the reduced swaged ends of said arm portions.

2,150,949
METAL SPRAY APPARATUS
William H. Stevens, San Francisco, Calif.
Application July 6, 1937, Serial No. 152,094
6 Claims. (Cl. 91—12.2)

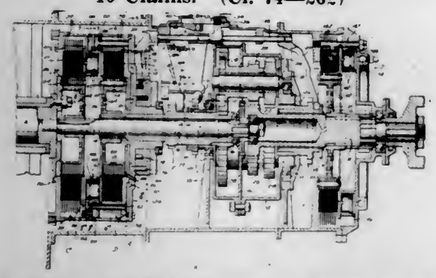
1. In an apparatus of the character described, a burner nozzle, wire feeding wheels to feed a metal wire through the nozzle, means for delivering a combustible gas and atomizing air to the nozzle, valves for regulating the flow of air and gas to the nozzle, and a common control for

opening or closing the valves and for simultaneously moving the wire feeding wheels to or



away from the wire to grip and feed the wire or release the same.

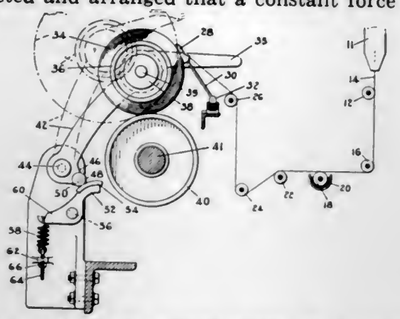
2,150,950
POWER TRANSMISSION MECHANISM
Hans Thoma, Karlsruhe, Germany
Application May 11, 1935, Serial No. 21,001
In Germany April 6, 1934
10 Claims. (Cl. 74—262)



1. In an energy transmission device, a power input member and a power output member, two intermediate members, means for connecting at will either or both of said intermediate members to said power input member, a sun gear connected to one of said intermediate members, a second sun gear connected to said output member, a planetary arm connected for operation by said other intermediate member and serving to carry three connected planetary gears two of which mesh respectively with said sun gears and the third of which meshes with a stationary sun gear and means for disengaging said stationary sun gear from its planetary gear.

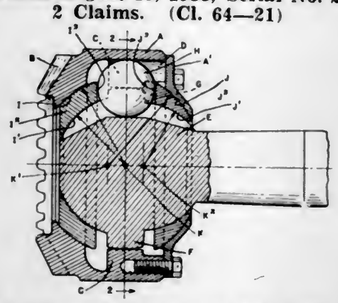
2,150,951
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL THREAD
Harry S. Toole, Staunton, and Ira V. Hitt, Waynesboro, Va., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 15, 1936, Serial No. 59,230
9 Claims. (Cl. 242—18)

1. In a thread winding apparatus, a positively driven surface drive roller, a bobbin positioned to rest by gravity on said roller, means connected to said bobbin whereby to lift the same, means positioned on said apparatus to co-act with said first-named means to exert a lifting force on said bobbin, said two above-named means so constructed and arranged that a constant force ap-



plied to said second-named means will progressively exert an increasing lifting action on said bobbin as the thread builds up on the latter, and means for actuating said second-named means.

2,150,952
UNIVERSAL JOINT
Frederick A. Ward, Highland Park, Mich., assignor to Gear Grinding Machine Company, Detroit, Mich., a corporation of Michigan
Application August 18, 1938, Serial No. 225,642
2 Claims. (Cl. 64—21)

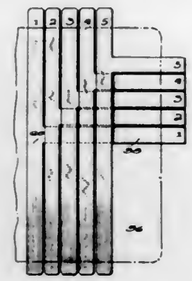


1. In a universal joint, outer and inner rotary members having registering axially extending ball race grooves therein, and pairs of opposed spherical zones at opposite ends of said grooves, balls in said grooves for transmitting torque from one of said members to the other, and floating pilot members arranged intermediate the opposed zones of said pairs, the centers of the outer and inner zones of one pair being coincident and the centers of the outer and inner zones of the other pair being non-coincident and respectively arranged on opposite sides of the center for the first pair, said pilots contacting with said balls and cooperating to center the joint and to maintain the plane of rotation of the balls substantially bisecting the angle between the axes of said outer and inner members in each position of adjustment thereof.

2,150,953
BOOKMARKER
Cornelius C. Washburn, Lakeland, Fla.
Application July 11, 1935, Serial No. 30,923
6 Claims. (Cl. 116—119)

4. A bookmarker including a pair of relatively thin longitudinally extending strips, secured together at their ends and straddling a book page along the length thereof and a pair of laterally extending strips secured together at their free

ends and to the longitudinally extending strips at their other ends, said laterally extending strips straddling the book page along the width thereof, the free ends of the said lateral strips being

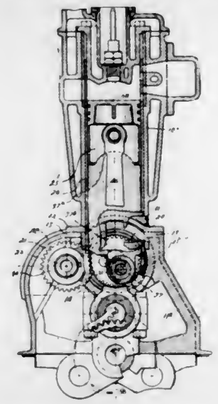


adapted to engage the edge of the book page to position the said longitudinally extending strips a predetermined distance from the binding of the book.

2,150,954
MINERAL DYE AND METHOD OF MAKING SAME
Clarence B. White, Montclair, N. J.
No Drawing. Application August 2, 1937, Serial No. 156,951
10 Claims. (Cl. 8—52)

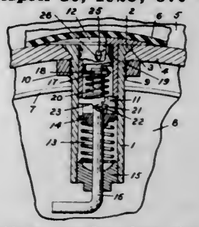
3. A mineral dye liquor comprising an aqueous solution of a mixture of a saccharose derivative of the group consisting of chromium glycolate, and chromium tri-hydroxy-butyrate with pyrolignite of iron.

2,150,955
INTERNAL COMBUSTION ENGINE
Frank Abner Williams, Detroit, Mich.
Application August 20, 1925, Serial No. 51,503
Renewed October 15, 1930
98 Claims. (Cl. 123—81)



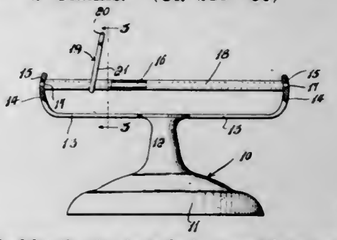
1. In an internal combustion engine a cylinder, and a sleeve valve operable within the cylinder, said valve being formed with a ball socket all of which extends inwardly from the outer surface of the sleeve valve wall, a rotary member positioned adjacent to the side of the cylinder and a ball-ring forming a driving connection between said member and the ball socket.

2,150,956
PRESSURE INDICATOR
John H. Woodberry, Washington, D. C.
Application September 25, 1936, Serial No. 102,544
2 Claims. (Cl. 116—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



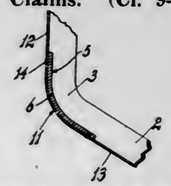
2. An operating mechanism for tire pressure indicators embodying an axially movable pressure element adapted to move towards a pneumatic tire, means for moving said element, means for limiting movement thereof, a rotatably mounted contact member normally held against rotation by engagement with the pressure element and disengageable therefrom on axial movement of said element, means normally tending to rotate the contact member, and a connecting member rotatably carrying the contact member and held against axial movement by the limiting means.

2,150,957
BOBBIE PIN BRACKET
Cora C. Albright, Akron, Colo.
Application July 1, 1937, Serial No. 151,536
2 Claims. (Cl. 211—60)



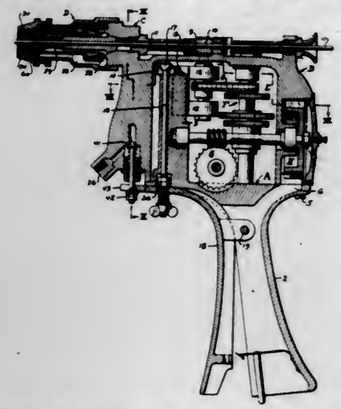
1. A "bobbie" pin bracket comprising a base provided with outwardly and upwardly extending supporting arms, a rod mounted between said supporting arms, and a casing enclosing and extending the length of the rod, said casing being adapted to be frictionally engaged by a plurality of "bobbie" pins to be held thereby in an open position ready to be applied.

2,150,958
BOAT CONSTRUCTION
Arthur H. Alexander, San Pedro, Calif.
Application July 16, 1937, Serial No. 153,872
3 Claims. (Cl. 9—6)



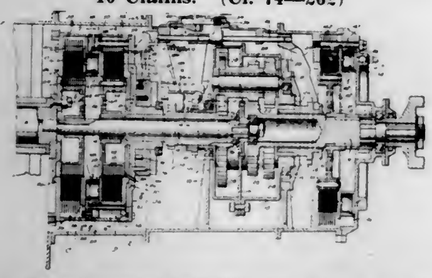
1. A boat construction comprising a plurality of transversely extending frame members, each of said frame members having a keel bend

opening or closing the valves and for simultaneously moving the wire feeding wheels to or



away from the wire to grip and feed the wire or release the same.

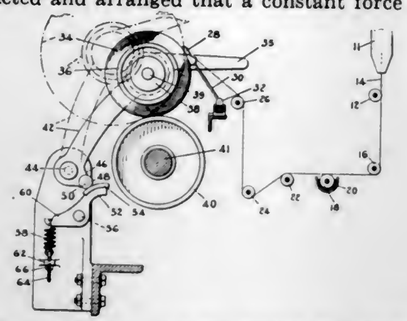
2,150,950
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Hans Thoma, Karlsruhe, Germany
Application May 11, 1935, Serial No. 21,001
In Germany April 6, 1934
10 Claims. (Cl. 74—262)



1. In an energy transmission device, a power input member and a power output member, two intermediate members, means for connecting at will either or both of said intermediate members to said power input member, a sun gear connected to one of said intermediate members, a second sun gear connected to said output member, a planetary arm connected for operation by said other intermediate member and serving to carry three connected planetary gears two of which mesh respectively with said sun gears and the third of which meshes with a stationary sun gear and means for disengaging said stationary sun gear from its planetary gear.

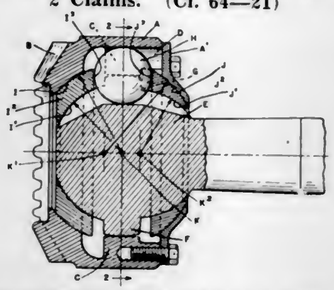
2,150,951
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9 Claims. (Cl. 242—18)

1. In a thread winding apparatus, a positively driven surface drive roller, a bobbin positioned to rest by gravity on said roller, means connected to said bobbin whereby to lift the same, means positioned on said apparatus to co-act with said first-named means to exert a lifting force on said bobbin, said two above-named means so constructed and arranged that a constant force ap-



plied to said second-named means will progressively exert an increasing lifting action on said bobbin as the thread builds up on the latter, and means for actuating said second-named means.

2,150,952
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Frederick A. Ward, Highland Park, Mich., assignor to Gear Grinding Machine Company, Detroit, Mich., a corporation of Michigan
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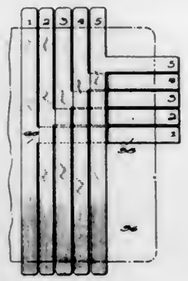


1. In a universal joint, outer and inner rotary members having registering axially extending ball race grooves therein, and pairs of opposed spherical zones at opposite ends of said grooves, balls in said grooves for transmitting torque from one of said members to the other, and floating pilot members arranged intermediate the opposed zones of said pairs, the centers of the outer and inner zones of one pair being coincident and the centers of the outer and inner zones of the other pair being non-coincident and respectively arranged on opposite sides of the center for the first pair, said pilots contacting with said balls and cooperating to center the joint and to maintain the plane of rotation of the balls substantially bisecting the angle between the axes of said outer and inner members in each position of adjustment thereof.

2,150,953
BOOKMARKER
Cornelius C. Washburn, Lakeland, Fla.
Application July 11, 1935, Serial No. 30,923
6 Claims. (Cl. 116—119)

4. A bookmarker including a pair of relatively thin longitudinally extending strips, secured together at their ends and straddling a book page along the length thereof and a pair of laterally extending strips secured together at their free

ends and to the longitudinally extending strips at their other ends, said laterally extending strips straddling the book page along the width thereof, the free ends of the said lateral strips being

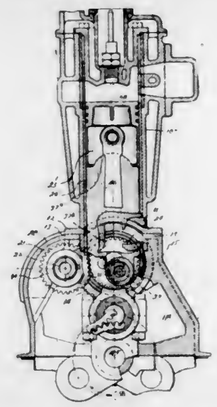


adapted to engage the edge of the book page to position the said longitudinally extending strips a predetermined distance from the binding of the book.

2,150,954
MINERAL DYE AND METHOD OF MAKING SAME
Clarence B. White, Montclair, N. J.
No Drawing. Application August 2, 1937, Serial No. 156,951
10 Claims. (Cl. 8—52)

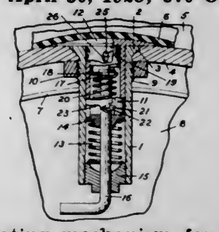
3. A mineral dye liquor comprising an aqueous solution of a mixture of a saccharose derivative of the group consisting of chromium glycolate, and chromium tri-hydroxy-butyrate with pyrolignite of iron.

2,150,955
INTERNAL COMBUSTION ENGINE
Frank Abner Williams, Detroit, Mich.
Application August 20, 1925, Serial No. 51,503
Renewed October 15, 1930
98 Claims. (Cl. 123—81)



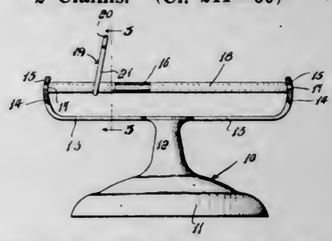
1. In an internal combustion engine a cylinder, and a sleeve valve operable within the cylinder, said valve being formed with a ball socket all of which extends inwardly from the outer surface of the sleeve valve wall, a rotary member positioned adjacent to the side of the cylinder and a ball-ring forming a driving connection between said member and the ball socket.

2,150,956
PRESSURE INDICATOR
John H. Woodberry, Washington, D. C.
Application September 25, 1936, Serial No. 102,544
2 Claims. (Cl. 116—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



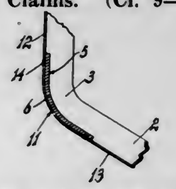
2. An operating mechanism for tire pressure indicators embodying an axially movable pressure element adapted to move towards a pneumatic tire, means for moving said element, means for limiting movement thereof, a rotatably mounted contact member normally held against rotation by engagement with the pressure element and disengageable therefrom on axial movement of said element, means normally tending to rotate the contact member, and a connecting member rotatably carrying the contact member and held against axial movement by the limiting means.

2,150,957
BOBBIE PIN BRACKET
Cora C. Albright, Akron, Colo.
Application July 1, 1937, Serial No. 151,536
2 Claims. (Cl. 211—60)



1. A "bobbie" pin bracket comprising a base provided with outwardly and upwardly extending supporting arms, a rod mounted between said supporting arms, and a casing enclosing and extending the length of the rod, said casing being adapted to be frictionally engaged by a plurality of "bobbie" pins to be held thereby in an open position ready to be applied.

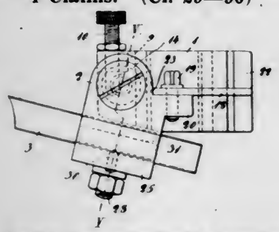
2,150,958
BOAT CONSTRUCTION
Arthur H. Alexander, San Pedro, Calif.
Application July 16, 1937, Serial No. 153,872
3 Claims. (Cl. 9—6)



1. A boat construction comprising a plurality of transversely extending frame members, each of said frame members having a keel bend

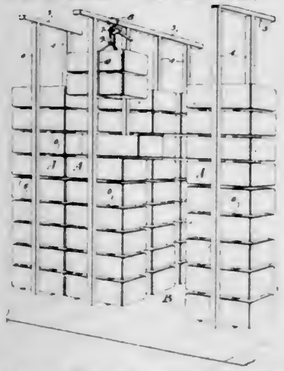
formed therein, a keel, said keel including a keel backing strip, fixedly formed thereon, each of the frame members being recessed to receive the keel backing strip and means securing each of the frame members to the keel backing strip, bottom plates attachable to the frame members, the lower edge of said bottom plates butting against the edge of the keel, means securing the abutting edges of said plate and keel, the backing strip overlapping the abutting edges of the bottom plates of the keel.

2,150,959
TOOL HOLDER
Roar Henry Bergström, Halmstad, Sweden
Application December 18, 1937, Serial No. 180,494
In Sweden December 22, 1936
4 Claims. (Cl. 29—96)



1. Tool holder composed of a member adapted to be clamped to a holder block, a horizontal pivot secured to said member, and a tool carrying member rotatably journalled on said pivot against the action of a leaf spring, one end of which is rigidly connected to one of the said two members while its other end is loosely and slidably fitted in a guide provided on the other member, said leaf spring being arranged on the side of said pivot opposite to the cutting point of the tool.

2,150,960
APPARATUS FOR HANDLING BALES AND THE LIKE
Charles Alvin Bertel, New Orleans, La.
Application October 15, 1936, Serial No. 105,742
5 Claims. (Cl. 214—8.5)

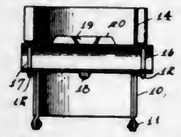


1. Apparatus for selectively removing bales, packages, or the like from piles of the same, comprising a plurality of spaced uprights constituting guides for said piles, means between superimposed articles spacing them vertically, said means being spaced apart longitudinally of the bales, and means for relieving an article selected for removal of the weight of superimposed articles, said means having a sling adapted to be passed through the space between a pair of superimposed bales and intermediate of the vertical spacing means so as to engage the bales to be lifted substantially centrally thereof.

2,150,961
TANNING
Martin E. Cupery and David M. McQueen, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1938, Serial No. 188,055
6 Claims. (Cl. 149—3)

1. In a process for the treatment of limed hides to prepare them for tanning, the steps comprising treating a hide with an acidic material selected from the group consisting of sulfamic acid and ammonium sulfamate.

2,150,962
APPARATUS FOR CASTING FINGER RINGS
Fred H. Curl, Des Moines, Iowa, assignor of one-half to Albert E. Kullander, Des Moines, Iowa
Application October 4, 1937, Serial No. 167,240
2 Claims. (Cl. 22—101)

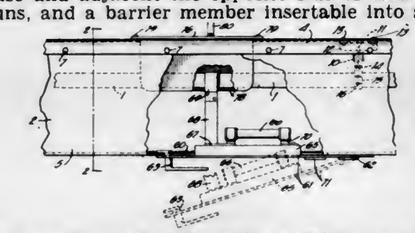


1. A molder's flask, comprising a drag member formed of two parts hinged together at their lower ends and formed with recesses at their upper adjacent corners; a cope member having downwardly extended pins at opposite sides, a pattern supporting member detachably mounted on said recesses and having openings at its ends to receive said pins, and means carried by the cope member for holding the sides of the drag member together when the cope member is in position on the drag member.

2. A molder's flask, comprising a drag member formed of two parts hinger together and having recesses at their adjacent free edges, a pattern-supporting member detachably supported in said recesses, a pattern mounted on the pattern-supporting member, fins fixed to the pattern-supporting member on opposite sides of the pattern and extended substantially in line with the line of separation of the hinged drag members, a cope member, downwardly extended pins on the cope member to engage the sides of the drag member and hold them against outward movement, and downwardly extended pins on the cope member to enter the pattern-supporting member and hold it against movement when the cope member is in position for use.

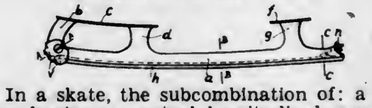
2,150,963
BARRIER FOR BUS DUCTS
Martin J. De Mask, Pittsfield, Mass.
Original application July 12, 1935, Serial No. 30,956. Divided and this application November 10, 1937, Serial No. 173,744
3 Claims. (Cl. 175—307)

1. In an electrical distribution system, a duct run containing at least two spaced bus runs, an insulating base disposed to one side of said bus runs and having contact blades adapted for electrical engagement with, and disengagement from, said bus runs, said duct run being provided with an opening in a side remote from said insulating base and adjacent the opposite side of said bus runs, and a barrier member insertable into said



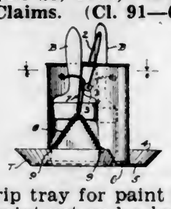
duct run through said opening and into operative position between said bus runs and between the points where said contact blades are electrically disengaged from said bus runs.

2,150,964
SKATE
Hugo Dornseif, Radevormwald, Germany
Application March 18, 1937, Serial No. 131,570
In Germany January 6, 1937
12 Claims. (Cl. 280—11.18)



2. In a skate, the subcombination of: a blade holder having a central longitudinal groove in the under side thereof; a blade strip for said holder extending only along the underside thereof; a central upstanding tongue on said blade strip engageable in and corresponding in width to said groove, and said tongue being of less height than the depth of the groove for the purpose specified.

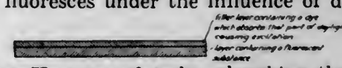
2,150,965
DRIP TRAY FOR PAINT POTS
William J. Doty, Staten Island, N. Y.
Application April 28, 1938, Serial No. 204,728
4 Claims. (Cl. 91—66)



1. A paint drip tray for paint pots, in combination with a paint pot and a bail, comprising a flanged tray adapted to support a paint pot thereon, spring coil tray retaining means, convoluted wire hooks adapted to engage over the rim of the pot, means on said hook for engaging the spring coils at their mid-section, the opposite ends of said springs being removably engageable with the flange of said tray and means on said hooks for resiliently and removably holding a paint brush in vertical contact with the side of the paint pot.

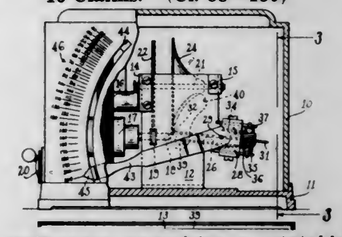
2,150,966
INTENSIFYING AND FLUORESCENT SCREEN
John Eggert and Fritz Luft, Leipzig, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application October 19, 1935, Serial No. 45,780
In Germany March 15, 1933
4 Claims. (Cl. 250—80)

1. An intensifying or fluorescent screen for X-ray work which comprises uniformly distributed in a binding agent a fluorescent material which fluoresces under the influence of daylight



and also X-rays and a dye absorbing that part of daylight causing excitation and permeable for the fluorescent rays emanating from the fluorescent material on excitation by X-rays.

2,150,967
ELECTRICALLY DRIVEN METRONOME
Frederick Franz, West Haven, Conn.
Application January 23, 1937, Serial No. 122,062
16 Claims. (Cl. 58—130)



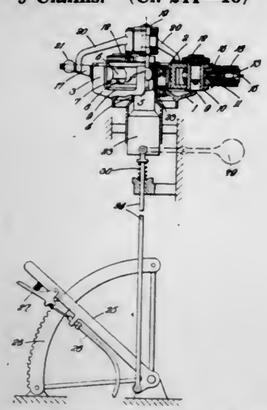
1. A metronome comprising a rotatable driving member, a rotatably mounted driven member having operative frictional engagement with said driving member, said driven member being swingably mounted to vary its point of engagement with said driving member and thereby vary the speed at which it is driven, a striker operated by said driven member in any position thereof, said striker being movable with the driven member in its swinging movement, and a sounding board, against which the striker strikes, presenting a surface substantially parallel to the plane of such swinging movement of the striker.

3. A metronome comprising a rotatable driving member, a driven member having operative frictional engagement with the driving member, mounting means in which said driven member is rotatably mounted, said mounting means being pivotally supported to move about an axis transverse to the axis of the driving member whereby movement thereof moves said driven member to vary its point of engagement with the driving member, a striker member carried by said mounting means and actuated by the driven member, means to move said mounting means, and indicating means to indicate the rate of operation of said striker member.

2,150,968
PRODUCTION OF CONVERSION PRODUCTS FROM CELLULOSE OR CELLULOSIC MATERIALS
Fritz Guenther, Ludwigshafen-on-the-Rhine, Hans Haussmann, Mannheim, and Wolfgang Alt, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 18, 1936, Serial No. 69,526. In Germany March 22, 1935
11 Claims. (Cl. 260—214)

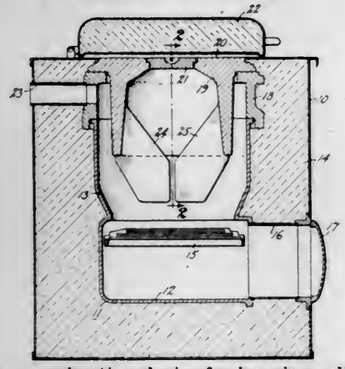
1. The process for the production of conversion products from cellulosic substances which comprises causing to react the said substances with such a derivative of the isatoic anhydride as contains at least one radicle selected from the class consisting of aliphatic, cycloaliphatic and mixed aliphatic-aromatic radicles containing a least 7 carbon atoms.

2,150,969
ROTARY WING AIRCRAFT
Raoul Hafner, Vienna, Austria
Application December 12, 1936, Serial No. 115,530
In Great Britain December 19, 1935
9 Claims. (Cl. 244—18)



1. In a rotary wing aircraft, the combination of a sustaining rotor system comprising a plurality of controllable pitch blades radiating from a common hub, a pilot's control member for varying together the pitch angles of said blades, reversely actuable control connections between said control member and said blades, and a plurality of stabilizing means each disposed between a blade and the hub and resiliently opposing alterations of the pitch of the associated blade in either direction from a predetermined value, said means acting directly on said blades and indirectly through said control connections, on said control member.

2,150,970
SOLID FUEL BURNING DEVICE
Nils August Ivan Hallström, Stockholm, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application October 28, 1937, Serial No. 171,441
In Sweden November 6, 1936
3 Claims. (Cl. 126—10)



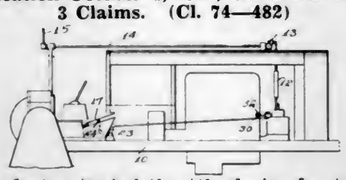
1. In a combustion device for burning solid fuel, a grate, a magazine for feeding fuel to said grate, means surrounding the burning fuel on said grate for conducting heat therefrom under all conditions of combustion, and means extending from said magazine to above the center of said grate for conducting heat from the center of the burning fuel under abnormal conditions of combustion.

2,150,971
FOLDING UMBRELLA
William A. Heilmann, Orange, and William Schultz, Kearney, N. J., assignors to Newark Rivet Works, Newark, N. J., a corporation of New Jersey
Application March 23, 1938, Serial No. 197,574
6 Claims. (Cl. 135—25)



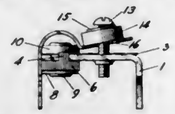
1. In a collapsible umbrella, a staff comprising upper and lower rod sections arranged in telescopic sliding relation and having cooperating guide means to retain the same against relative rotative movement, a collapsible rib structure including stay portions, said rib structure being pivotally connected with the upper end of said upper rod section, a runner operatively connected with said stay portions and slidably mounted on said upper rod section, a handle member affixed to the free end of said lower rod section, said handle member having means to engage and hold portions of said rib structure when the latter occupies given collapsed positions, latching detent means carried by said lower rod section, said upper rod section having a plurality of latch slots for selective cooperation with said detent means when said rod sections are variously relatively disposed either in full extended position with the rib structure open or in positions to engage the handle member means in holding relation to the rib structure when the latter occupies given collapsed positions.

2,150,972
FOOT-ACTUATED THROTTLE DEVICE
Harry F. Heisler, Waterloo, Iowa
Application October 4, 1937, Serial No. 167,237
3 Claims. (Cl. 74—482)



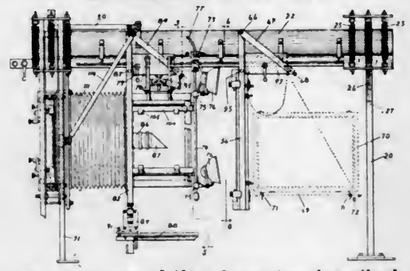
1. A foot actuated throttle device for tractors having a hand actuated throttle device including a throttle lever for controlling the engine speed, comprising a foot throttle unit consisting of a frame to be bolted to a tractor frame, a pedal hinged to the frame, a bell crank lever pivoted to the frame, an actuating rod pivoted to the bell crank lever and projected up through and guided by said frame and in engagement with the pedal, a second unit designed to be fixed to the tractor throttle lever and comprising an arm, means for detachably and adjustably fixing it to said throttle lever, means for operatively connecting said throttle lever with said bell crank lever, and a spring for normally holding said throttle lever closed and the foot pedal elevated.

2,150,973
TRIMMER CONDENSER
Harry W. Houck, New York, N. Y., assignor to Electro-Mechanical Research, Inc., Brooklyn, N. Y., a corporation of New York
Application January 4, 1936, Serial No. 57,473
1 Claim. (Cl. 175—41.5)



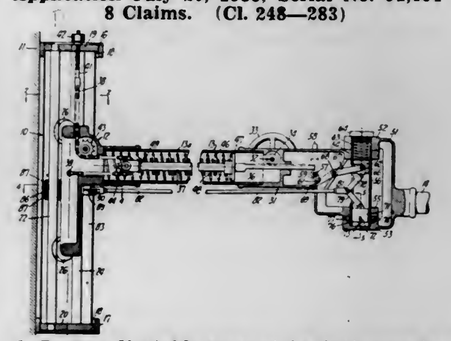
In a trimmer condenser, the combination of a rigid metal base serving as one of the condenser electrodes, a ceramic block lying against one face of said base and interlocked therewith, a metal strip positioned opposite the other face of said base and one end thereof forming a cooperating condenser electrode with said base, the other end of said strip bent at right angles to the first-mentioned end and joined thereto by a bowed portion, said other end having a struck out lug disposed against the face of said block opposite the face against which the said base lies, and means passing through said lug said block and said base to rigidly clamp said block between said strip and said base.

2,150,974
CAMERA
William C. Huebner, New York, N. Y.
Application August 31, 1936, Serial No. 98,690
12 Claims. (Cl. 88—24)



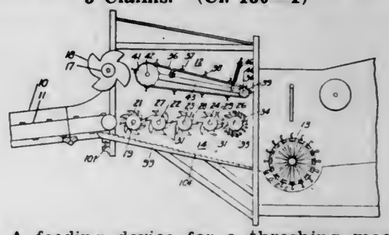
1. In a camera of the character described, the combination with relatively stationary supporting means; of a frame of generally T-form; resilient means interposed between said supporting means and said T-frame approximately at the ends of the two arms of the T and at the free end of the stem thereof, respectively, to thereby provide resilient supports at three points; copy-holding means, lens-holding means and sensitized element holding-means all supported and depending from said T-frame, said lens-holding means and copy holding-means being horizontally adjustable lengthwise of the stem of the T-frame and the sensitized element holding-means being located adacent said arms of the T-frame; a track, supported by and positioned below said T-frame adjacent said sensitized element holding-means at said arm end of the T-frame and extending horizontally and transversely of the stem of the T-frame continuously from one side to the other side of the lens axis; and means for holding a screen mounted on said track, said screen holding-means being movable relative to the T-frame horizontally and transversely of the stem thereof on said track from one side of the axis of the lens to the other side thereof whereby shift, lengthwise, transversely, or both, relative to the stem of the T-frame, of the effective center of weight of all of said holding-means, which are in a depending position with respect to said T-frame, is accommodated by said resilient three point support substantially without twisting of the T-frame.

2,150,975
INSTRUMENT SUPPORTING DEVICE
Clyde L. Hunsicker, San Francisco, Calif., assignor of one-half to Aaron S. Green, Louis D. Green, and Martin I. Green, all of San Francisco, Calif.
Application July 20, 1936, Serial No. 91,464
8 Claims. (Cl. 248—283)



1. In an adjustable support for instruments, a relatively fixed mounting, vertically extending tracking means carried by said mounting, said tracking means being rotatable about a vertical axis with respect to said mounting, a vertically movable carriage engaging said tracking means, a laterally extending arm having one end of the same secured to said carriage, an operating member mounted upon said arm at a point remote from said carriage, a member extending longitudinally within said arm and adapted to be reciprocated by movement of said operating member, spring means carried within said arm and serving to counterbalance the weight of the carriage and said arm, and means operatively connected to said reciprocable member and serving to effect vertical adjustment of said carriage on said arm, by movement of said operating member.

2,150,976
THRESHING MACHINE
Frank L. Kilberger, Cedar Rapids, Iowa
Application June 3, 1936, Serial No. 83,338
5 Claims. (Cl. 130—1)



1. A feeding device for a threshing machine including a conveyor for carrying bundles into the thresher, twine cutting rollers disposed above and below the discharge end of the bundle conveyor, spreader rollers having circular blade-like

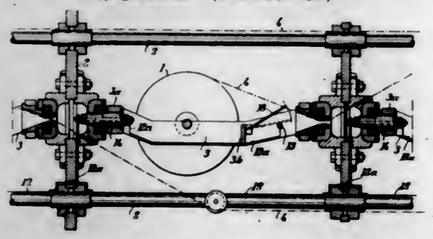
members disposed below the grain to receive the grain from the conveyor and cutting rollers and to carry it into the machine and to comb it, means for rotating successive rollers at successively higher speeds to cause the bottoms of the layer of grain to move faster than the top, and a retarding roller for combing the grain after it is discharged from the spreader rollers.

2,150,977

ELECTRICALLY OPERATED STOPPING DEVICE FOR HIGH SPEED ROPE-MAKING MACHINES

Josef Kraft, Olpe in Westphalia, Germany

Application June 25, 1938, Serial No. 215,933
In Germany August 17, 1937
2 Claims. (Cl. 117—51)



1. An electrically operated stopping device for high speed rope making machines comprising in combination with the flyer with drum carriers freely oscillatable therein, contact bolts one in each of said carriers below the running off wire, a circuit connected to said bolts and earthed, journals supporting said carriers in said flyers, contact shafts one rotatably mounted and insulated in one of the journals of each carrier, wires one connecting each of said shafts to one of said contact bolts, a lead wire in said circuit extending along said flyer, and branch wires leading from said lead wire to each of said shafts to supply current to said bolts through the intermediary of said shaft and said connecting wires, and fingers one hingedly mounted on each of said carriers normally supported by the corresponding running off wire and adapted to contact with the corresponding bolt when unsupported by its wire.

2,150,978

LAMP AND DESK PAD

Maurice R. Landes, Philadelphia, Pa.

Application May 22, 1937, Serial No. 144,140
4 Claims. (Cl. 240—2)



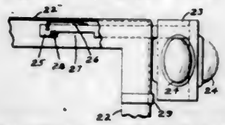
1. As a new article of manufacture, a combination lamp support and desk pad comprising a writing surface; a marginal flap overlying said surface, said flap including a flexible cover, a layer of flexible but form shaping material and a layer of resilient material; and lamp base positioning means in said flap comprising a perforation through said resilient material, cover and shaping material, the margins of said perforation being covered by said flexible cover.

2,150,979

LADY'S HANDBAG

Florence N. Lewis, New York, N. Y.

Application February 4, 1938, Serial No. 188,601
4 Claims. (Cl. 292—162)



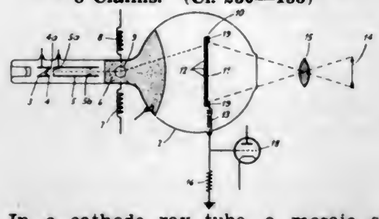
1. In a fastener for a bag having pivotally connected frame sections, each of which comprises an inverted U-shaped channel member, in combination, clamping members adapted to fit over and hold together the upper side portions of the frame sections and guide bars fixed on said clamping members and extending into the base of one of the frame sections, and means cooperating with said guide bar within the channel of said frame section to limit the movement of said bar.

2,150,980

ELECTRON DISCHARGE DEVICE

Hans Gerhard Lubszynski, Middlesex, and James Dwyer McGee, London, England, assignors to Electric & Musical Industries Limited, Middlesex, England

Application April 17, 1936, Serial No. 74,864
In Great Britain February 9, 1935
8 Claims. (Cl. 250—153)



1. In a cathode ray tube, a mosaic screen comprising a transparent sheet member having two major surfaces, a transparent signal plate mounted on one of the major surfaces, a plurality of isolated photoelectric elements mounted on the other major surface, and a light opaque border supported on said signal plate and extending completely around the boundary of said signal plate.

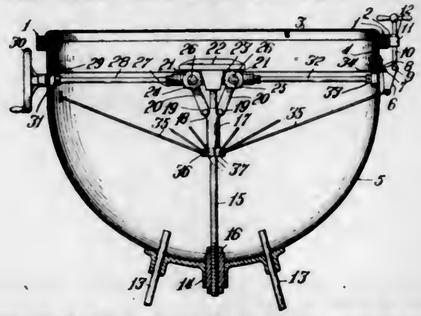
2,150,981

TIMPANO ADJUSTER

William F. Ludwig, Oak Park, Ill.

Application March 31, 1937, Serial No. 133,963
6 Claims. (Cl. 84—419)

6. In a drum including a casing having a central axis and a drum head disposed perpendicularly to said axis, the combination with conventional drum head tensioning mechanism, including bell crank levers and adjusting devices engaged with the latter and the drum head hoop, of a rod disposed centrally of the drum casing and extending transversely of the drum head and rigidly secured to the bottom of the drum casing, a sleeve slidable on said rod, tension rods connecting said sleeve with said bell crank levers for actuating the latter to adjust the tension of the drum head as said sleeve is moved from one position to another, a bearing rigidly mounted upon the upper end of said rod below the drum head, a right and left threaded shaft journalled between its ends in said bearing, threaded sleeves disposed upon opposite sides of said bearing mounted upon said shaft, toggle levers connecting said threaded sleeves with said first-named sleeve, a hand wheel equipped with a hub journalled in a bearing in the drum casing disposed substantially in axial alignment with said first-named bearing, and a rod connecting said hub of said hand wheel with said right and left



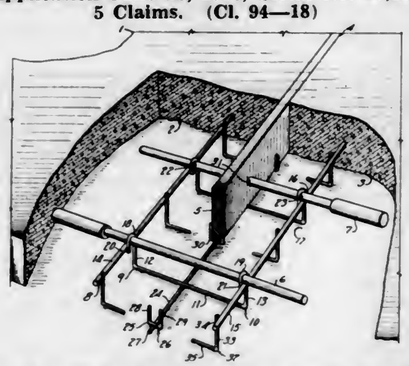
threaded shaft, rotation of the latter causing said threaded sleeves to move in respectively opposite directions thereby to vary the position of the first-named sleeve to cause said tension rods to actuate said bell crank levers and vary the tension on the drum head.

2,150,982

EXPANSION AND CONTRACTION JOINT

Frank R. McFarland, Kansas City, Mo., assignor to Sheffield Steel Corporation, Kansas City, Mo., a corporation of Ohio

Application June 26, 1936, Serial No. 87,434
5 Claims. (Cl. 94—18)



1. A unitary joint reinforcement including spaced load distributing bars, chairs rigidly connected with the load distributing bars, a fork supporting rod fixed to said chairs, forks fixed on said rod, a joint filling member having dowel apertures and arranged for edge support in said forks for retaining said member in rectilinear alignment, and dowels having sliding support relatively to the chairs and extending through said apertures of the joint filling member.

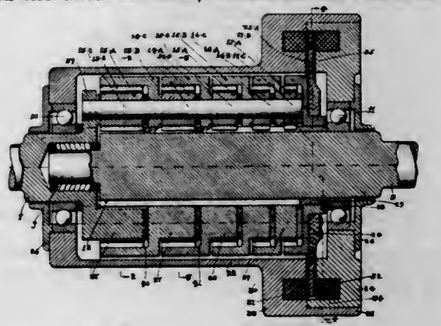
2,150,983

AUTOMATIC ELECTRIC VARIABLE SPEED BIDIRECTIONAL AND FREEWHEELING TRANSMISSION

Howard J. Murray, New York, N. Y.

Application May 23, 1935, Serial No. 23,040
12 Claims. (Cl. 172—239)

2. A torque amplifying device for affecting the speed driving relation of driving and driven members of a vehicle provided with braking and fuel supply means, including speed driving units axially disposed between said members, a slip-drive couple including a slip-clutch armature element mounted for rotation with one unit a fixed field element, an end unit connected to one member, and all units connected to each adjacent unit and the other member, control means associated



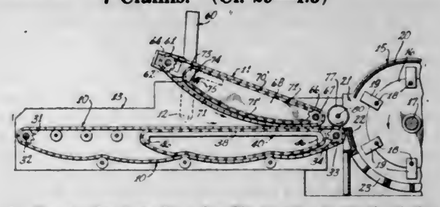
with the fixed slip-clutch element, and a plurality of current control means operatively associated with the said vehicle brake and fuel supply means for co-incidentally varying the action of the control means as separate co-incidental functions of the operation of the fuel supply means or the braking means of the vehicle.

2,150,984

COMBINED CRUSHING AND FEEDING DEVICE FOR JUNK SHREDDING MACHINES

Lloyd B. Near, La Crescenta, and Sidney G. Gillette, Alhambra, Calif., assignors to Los Angeles By-Products Co., a corporation of California

Application April 19, 1937, Serial No. 137,722
7 Claims. (Cl. 29—4.5)



1. In a device for feeding scrap material: a traveling belt having a substantially horizontal upper run forming a substantially flat material receiving bed; a series of supporting rollers under the upper run of the belt; supporting means for the rollers; means for pivotally connecting the rollers to each other to form a roller bearing chain; means for driving the belt; and a crushing member, said crushing member consisting of a traveling belt, having a substantially flat material engaging face, pivotally mounted at one end and freely movable vertically at the other end to engage material on said first named traveling belt.

2,150,985

BAG

Walter A. Plummer, Jr., Los Angeles, Calif.

Application June 14, 1937, Serial No. 148,076
2 Claims. (Cl. 150—3)

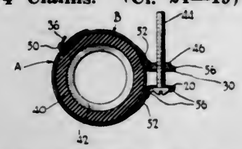
2. As an article of manufacture a bag comprising a body portion having an open end, said bag adjacent the open end thereof being folded outwardly and downwardly along a line extending

transversely of the bag to form a downwardly extending flap portion, the outer free end of the flap portion being folded upwardly upon itself, and securing means extending inwardly from the opposite side edges of the bag body and disposed between the first and second fold lines and ex-



tending entirely through the superposed layers of said flap portion and the sub-adjacent portion of the bag body, an intermediate portion of the flap being left free of attachment to the bag body whereby to provide a filling and discharge opening for the bag.

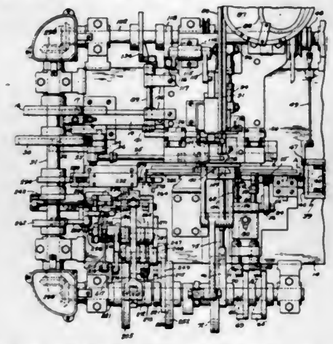
2,150,986
HOSE CLAMP
Louis J. Rauch and Philip Rauch, Brooklyn, N. Y.
Application April 14, 1938, Serial No. 201,858
4 Claims. (Cl. 24—19)



2. A clamp for fastening hose or the like comprising two cooperating bands each formed of bendable sheet metal of similar gauge and each having an integral tightening lug on one end extending at an angle to the respective band, one of said bands being of a length insufficient to encircle the hose and having at least one aperture adjacent its other end providing an integral ledge facing toward its lug, the other of said bands being of a length to encircle the hose completely and overlap itself when in position thereon and having its other end reduced in width and turned backwardly to form an integral hook, said other band having a longitudinal slot intermediate its ends in such position and of such length as to permit said hook to be passed therethrough, engaged with said ledge and moved relative to the slot when the portion between said slot and hook encircles a hose, and means integral with said bands extending longitudinally and disposed substantially centrally with respect to the bends of said lugs and hook, respectively, rendering the same rigid and resistant to bending under strains encountered in clamping the parts in place.

2,150,987
AUTOMATIC SAFETYPIN MACHINE
William B. Runk, Waterbury, Conn., assignor to The F. Kelly Company, Derby, Conn., a corporation of Connecticut
Application May 25, 1936, Serial No. 81,618
28 Claims. (Cl. 163—7)

1. In a machine of the character described, a work carrying dial having spaced holders for the work, working stations at different locations adjacent the dial including a station for placing work in the holder and other stations for performing different operations on the work, means for shifting the dial bodily to bring a holder into position at the first station to receive work, and



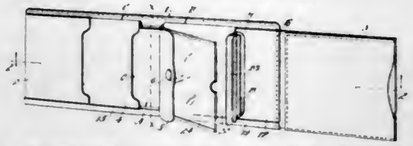
means for rotating the dial to carry the work from station to station.

2,150,988
CLIMBER FOR SKIS
John P. Russell, Honolulu, Territory of Hawaii
Application May 19, 1938, Serial No. 208,885
3 Claims. (Cl. 280—11.38)



1. In a climber for skis, the combination of a casing of suitable size to snugly engage over a ski, the ski, means for detachably securing the forward end of the climber around the ski, a slide fastener extending longitudinally thereof from the forward open portion of the climber to a point near the rear of the climber, and a slide fastener operating member.

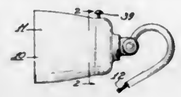
2,150,989
BILLFOLD WITH SECRET POCKET
Theodore M. Segal, New York, N. Y.
Application October 19, 1938, Serial No. 235,735
6 Claims. (Cl. 150—36)



1. A bill fold comprising a main body foldable upon itself, and a bill receiving pocket open along one longitudinal edge and one end and having a closure flap for said longitudinal opening, and means separately securing said pocket at its ends on one side of said body, holding said closure flap closed and permitting access to said open end for removal of the contents of said pocket.

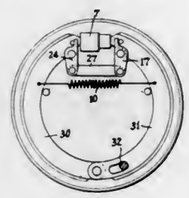
2,150,990
CARBON LAMP
Henry T. Schiff, Chicago, Ill.
Application December 19, 1938, Serial No. 246,651
3 Claims. (Cl. 176—119)

1. In a carbon lamp, an insulation member, a fixed carbon clamping member attached to said insulation member, a movable carbon clamping member separate and spaced from said fixed carbon clamping member, said movable carbon clamping member movably attached to said insulation member, a fixed member attached to said insulation member adjacent said movable carbon clamping member, said fixed member having a wedge projection, said movable carbon



clamping member movable upon pressure thereon to contact said wedge projection so that said wedge projection spreads the holding portions of said movable carbon clamping member, and a resilient member attached to said insulation member and contacting said movable carbon clamping member and moving the same away from said wedge projection upon release of pressure on said movable carbon clamping member.

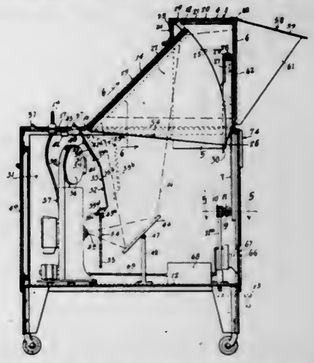
2,150,991
BRAKE ACTUATING MECHANISM
Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 22, 1936, Serial No. 86,498
3 Claims. (Cl. 188—152)



1. In mechanism of the class described, a rotatable drum, a support, a friction device mounted on the support for cooperation with the drum and provided with adjacent ends, an anchor pin for one of said ends and carried by the support, a lever pivoted on said anchor pin and engaging the end of the friction device, a second lever spaced from the first lever and engaging the other end of the friction device, a connection between the two levers, a rotatable shaft, and an eccentric member carried by said shaft for pivotally supporting and moving the second named lever.

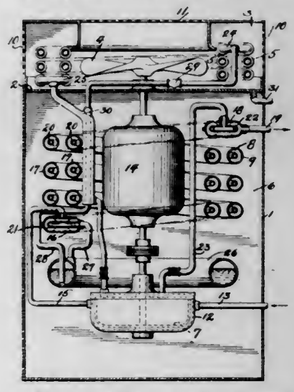
2,150,992
PICTURE DISPLAY CABINET
Albert B. Scott, Los Angeles, Calif., assignor to S. C. K. Corporation, Los Angeles, Calif., a corporation of Nevada
Application October 23, 1936, Serial No. 107,183
10 Claims. (Cl. 88—24)

4. In a picture display cabinet of the kind described, the combination of a substantially lightproof cabinet body, a screen-carriage guided to move in and out of the body, a screen carried thereby, a primary reflector within the body for receiving a projected image, a secondary reflector connected with the cabinet body and with the screen-carriage, and mounted so as to move into position to cooperate with the primary reflector to cast the image onto the screen, said screen-carriage having side walls with clearance slots therein, and movable shutters carried by the carriage and extending over said slots for excluding light



at said slots in the extended position of the carriage.

2,150,993
AIR CONDITIONING APPARATUS
Leonard C. Smith, New York, N. Y., assignor to Heating Ventilating & Air Conditioning Co. Inc., New York, N. Y., a corporation of New York
Application September 23, 1936, Serial No. 102,096
2 Claims. (Cl. 62—115)

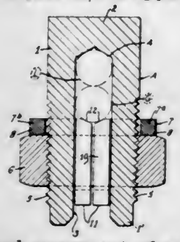


1. Air conditioning apparatus comprising in combination a compressor for compressing a refrigerant, a vertically disposed motor for driving the compressor said motor and compressor being disposed concentrically in vertical alignment, a condenser surrounding the motor for condensing the compressed refrigerant, said compressor being water jacketed, and cooling means associated with the condenser whereby water flows through the water jacket of the compressor and from thence in contact with the condenser and finally to a drain exterior to the apparatus.

2,150,994
ELECTRICAL CONNECTOR
Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 10, 1937, Serial No. 141,599
6 Claims. (Cl. 24—125)

1. An electrical connector comprising a bolt having spaced, exteriorly screwthreaded legs, a nut mounted on said screwthreaded bolt legs, and

a washer arranged in assembled relation with respect to said nut and having portions which extend into the space between the legs of the bolt, said washer including independent, substantially parallel portions movable outwardly away from each other when pressure is applied thereagainst



and said outward movement of said washer portions being transmitted to the legs of the bolt by the washer portions between said bolt legs whereby the screwthreads of the bolt legs are forced into close cooperating relation with respect to the screwthreads of the nut.

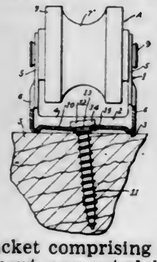
2,150,995

WIRE BRACKET

Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application July 22, 1937, Serial No. 154,950

2 Claims. (Cl. 174—164)



1. A wire bracket comprising a base portion, an insulating element supported by said base portion, and a screw for attaching the wire bracket to a support, said base portion including a flexible portion to which said screw is rigidly fixed so as to permit the axis of the screw to move out of alinement with respect to the axis of the wire bracket.

2,150,996

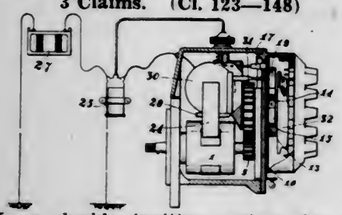
DOUBLE IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES

Luigi Torriani, Milan, Italy, assignor to Società Italiana Sfruttamento Brevetti Elettromeccanici, Milan, Italy

Application September 17, 1937, Serial No. 164,267

In Germany December 19, 1936

3 Claims. (Cl. 123—148)



1. In a double ignition system for internal combustion engines, in combination, a rotary cam co-operating with two independent make and break contacts, one for each ignition circuit, a distributor common to both ignition circuits, a second cam co-operating with contacts for connecting either ignition circuit with said common distributor and adapted simultaneously to render inoperative one of said make and break contacts when the ignition circuit of the other contact is connected, and a single switch lever operative to actuate said second cam.

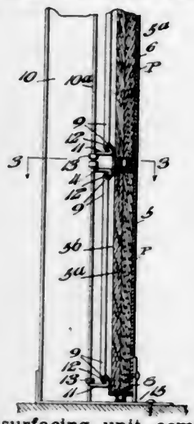
2,150,997

WALL SURFACING UNIT

Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware

Original application February 1, 1933, Serial No. 654,688. Divided and this application February 25, 1937, Serial No. 127,619

2 Claims. (Cl. 189—34)



1. A wall surfacing unit comprising a relatively rigid plaster board panel, a panel of felt adjacent one face of said panel, and a metal shape covering the other face of said panel and the edges of both panels, said shape including means positioned adjacent said felt panel for receiving means for connecting said surfacing unit to a support.

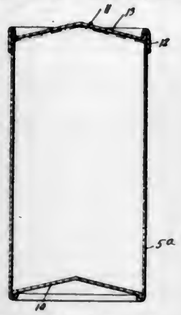
2,150,998

WAXED PAPER PACKAGING

Julius J. Warshaw, New York, N. Y., assignor to Kuhmarker Waxed Paper Co., Inc., Brooklyn, N. Y., a corporation of New York

Application May 28, 1938, Serial No. 210,690

2 Claims. (Cl. 206—57)



2. A package of the nature described, comprising a container curvilinear in horizontal cross-section, an upwardly tapering conical base, a plurality of wax paper sheets resting on the said base and forming a spirally wound roll, and a cover similar in shape to the base at the top of the container, one end of the roll of sheets being engaged upon the conical base so that the top of the innermost sheets will extend above the other sheets of the roll to facilitate removal of individual sheets from the roll.

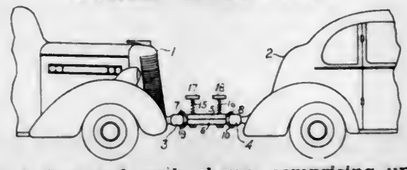
2,150,999

TOW AND PUSH CLAMP

Darahl A. Wight, Lansing, Mich.

Application July 13, 1938, Serial No. 219,037

4 Claims. (Cl. 280—33.14)



1. A tow and push clamp, comprising upper and lower clamp members, the said upper member being provided at its ends with hooks attached to the member and opening downwardly, the said lower member being provided at its ends with hooks attached to the member and opening upwardly, spaced screw threaded rods passing through both said members, said rods having encircling coil springs arranged above said upper clamp member, one end of each spring being in contact with said upper member, each of said rods having a nut thereon below the said lower member, and means on said rods arranged against the upper ends of said springs whereby pressure exerted upon said rods will separate said members and the hooks thereon.

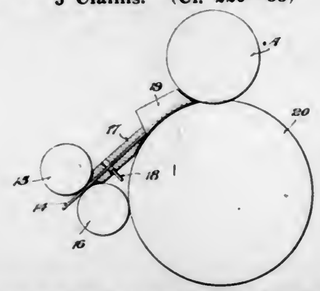
2,151,000

METHOD OF APPLYING BINDINGS TO CONTAINER MOUTH COVERS

Ray O. Wilson, Los Angeles, Calif.

Continuation of application Serial No. 741,228, August 24, 1934. This application May 29, 1936, Serial No. 82,634

5 Claims. (Cl. 226—83)



1. The method of applying a binding cord or tape, coated or impregnated with a substance which is substantially dry and hard at ordinary atmospheric temperatures and which becomes soft and adhesive when subjected to heat, about the skirt of a container mouth cover, which comprises heating the cord or tape to render the same adhesive, and passing the same between the container and a roll while rotating the container and roll, the latter at a higher peripheral speed than the container, thereby to cause the string or tape to be wound around and ironed against the cover skirt.

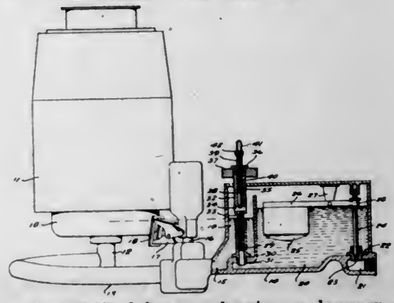
2,151,001

LIQUID FUEL CONTROL FOR BURNERS

Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application April 16, 1937, Serial No. 137,174

1 Claim. (Cl. 137—68)



In a liquid fuel burner having a burner well and a constant level chamber, a conduit for conducting liquid fuel from said chamber to the well, means for regulating the flow of liquid between said chamber and said well, said means including a vertically adjustable conduit structure, a valve member carried by and incorporated in said structure in adjustably movable relation thereto, means for operating said valve member, said valve member being vertically movable with said structure whereby the relation between the valve and the conduit structure will be kept the same when the conduit structure is adjusted from one position to another.

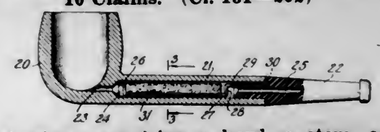
2,151,002

PIPE FOR SMOKING TOBACCO

Frank M. Ashley, Great Kills, Staten Island, N. Y., assignor to Lewis Gompers, as trustee

Application August 14, 1937, Serial No. 159,090

10 Claims. (Cl. 131—202)



1. A pipe comprising a bowl, a stem, and a mouth-piece; a filter support extending from the mouth-piece into the stem and comprising two side portions spaced from each other to support a filter resting between them and extending in permanent parallel relation and formed to provide substantially line supporting surfaces for a filter resting thereon whereby substantially the entire surface of the filter may be exposed to the fluids passing through the stem of the pipe.

5. A filter support consisting of a single wire having a fold intermediate the length thereof forming two arms of a bifurcation, each arm having a bend adjacent the fold and additional bends at a distance from the first bend whereby the free end portions of the wire constitute supporting prongs lying in the same plane which plane substantially includes the center point of said fold.

2,151,003

CHARGING MACHINE

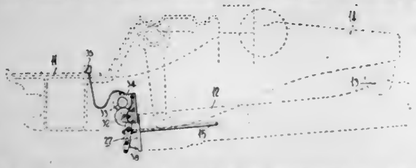
Harvey W. Ball, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio

Application August 23, 1938, Serial No. 226,380

9 Claims. (Cl. 214—26)

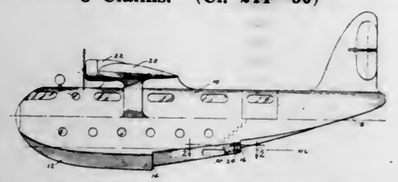
7. In a charging machine, a peel having a housing pivotally mounted for movement about a horizontal axis, a locking rod movable lengthwise of

the peel and carried by the latter, a lever having one of its end portions pivotally connected to the rear end of the housing, means connecting the rear end of the locking rod to the medial por-



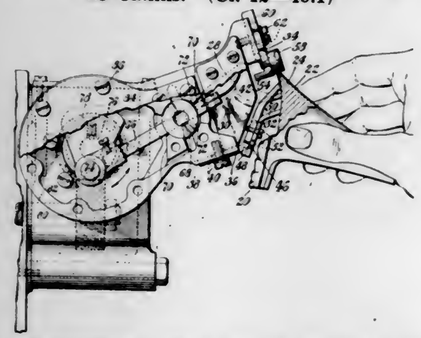
tion of said lever, a rotatable member connected to the other end portion of the lever, and motor-operated means mounted on the housing and operatively connected to the rotatable member for swinging the lever and actuating said rod.

2,151,004
RETRACTABLE WATER PROPELLER FOR AIRSHIPS
William L. Barclay, Arlington, Va.
Application April 5, 1938, Serial No. 200,255
8 Claims. (Cl. 244—50)



1. In a hydroplane, a propeller retractable within the hull of said hydroplane, stabilizing means forming part of the bottom of said hull and connected thereto for relative movement into and out of stabilizing position, and means for extending the propeller and for moving the stabilizing means into operative position, said stabilizing means being of sufficient extent to close the bottom of the hull adjacent the propeller and arranged to do so when in inoperative position.

2,151,005
MACHINE FOR COVERING HEELS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 3, 1937, Serial No. 146,303
13 Claims. (Cl. 12—49.1)

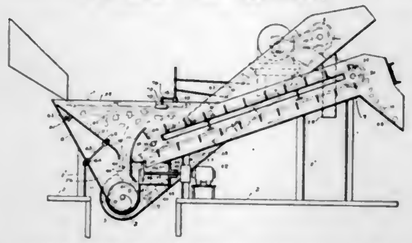


1. A covering machine having, in combination, a wiping tool bodily movable in an orbital path, means for operating said tool, and means for guiding past the tool a heel provided with a cover a margin of which extends beyond an edge of the heel to cause the tool to apply said margin of the cover to portions of the heel which are located adjacent to said edge.

2,151,006
COATING COMPOSITION
Walter H. Beisler, Towson, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
No Drawing. Application June 15, 1936, Serial No. 85,382
1 Claim. (Cl. 134—26)

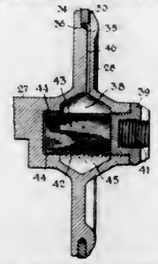
A coating composition drying at a temperature as low as 190° F. in a gas fired oven and without formation of checks or crystallization comprising bodied tung oil and 0.5% hydroxydiphenyl and .03% metallic drier based on the weight of the tung oil.

2,151,007
DEVICE FOR SEPARATING CARBONACEOUS MATERIALS
Joel R. Belknap, South Charleston, W. Va.
Application July 27, 1937, Serial No. 155,958
4 Claims. (Cl. 209—157)



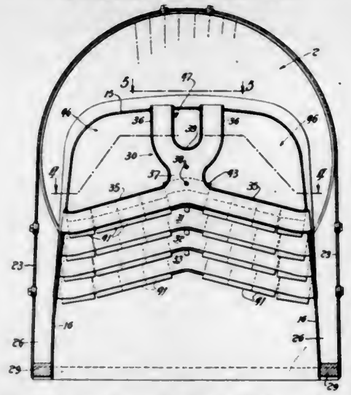
1. In a device for separating mixtures of granular solids having different settling rates through a liquid and characterized by different specific gravities, the combination of a tank containing a liquid whose specific gravity is greater than one and only moderately less than the solid of lower specific gravity said tank having an entrance side; a barrier extending across said tank approximately parallel with said entrance side with its top substantially horizontal and below the liquid level in the tank and its lower margin above the bottom of the tank; a foraminous guide partition sloping downward from approximately the liquid level along the entrance side of the tank toward the lower margin of said barrier from which it is spaced horizontally, the lower margin of the guide partition being formed to produce with the barrier a narrow approximately vertical throat; means for circulating liquid in the tank from the space beyond the barrier beneath the barrier and then upward, part passing upward through said throat and part upward through said foraminous guide partition, the structure being so arranged that the guide partition delivers any solids sliding down it into the throat and the liquid flowing upward through the guide partition flows with a substantial horizontal component toward the stream of liquid rising through the throat, and joining therewith, flows over the barrier; means for feeding solids to be separated to the guide partition at the entrance side of the tank; means for intercepting and withdrawing the lighter granular solids which tend to settle in that part of the tank beyond the barrier; and other means for collecting and withdrawing from the bottom of the tank the heavier granular solids which settle through said throat.

2,151,008
FLUID PRESSURE BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 13, 1936, Serial No. 58,969
8 Claims. (Cl. 184—18)



1. In a brake valve, the combination of a piston subject on at least one side to variations of air pressure; a reservoir for liquid lubricant in said piston; an absorbent body in said reservoir exposed above the level of lubricant and adapted to be saturated with lubricant; a piston ring mounted in a groove in the periphery of the piston; means forming a surge port leading from a point in said reservoir above the level of lubricant therein, to said ring groove; and an absorbent body underlying said ring in said groove.

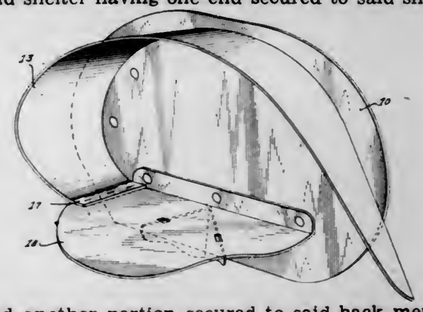
2,151,009
LOCOMOTIVE BOILER FIREBOX
Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application January 22, 1938, Serial No. 186,332
6 Claims. (Cl. 122—68)



1. In combination with a locomotive boiler firebox including a crown sheet and side sheets, a water steaming and circulating element in the firebox comprising an upwardly arched lower tubular-like portion extending transversely of the firebox and having ends opening through the side sheets and a plurality of spaced upper tubular portions, the top end of each of which opens separately through the crown sheet and the bottom ends of which have a common inlet that is is communication with said lower portion.

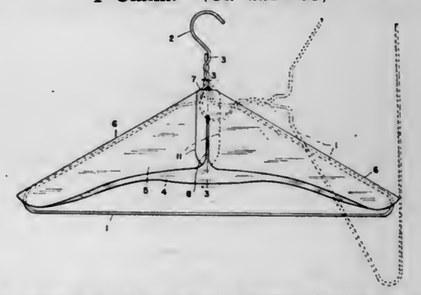
2,151,010
BIRD SHELTER
Lloyd G. Copeman, Flint, Mich.
Application July 1, 1937, Serial No. 151,481
10 Claims. (Cl. 119—23)

10. An open face bird shelter for robins and the like comprising a back member, an open shelf thereon, and a roof member forming a part of said shelter having one end secured to said shelf



and another portion secured to said back member whereby it extends over said shelf and substantially at right angles to said back member.

2,151,011
GARMENT HANGER COVER
Arthur F. Coney, Detroit, Mich., assignor, by mesne assignments, to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan
Application February 7, 1936, Serial No. 62,735
1 Claim. (Cl. 223—98)

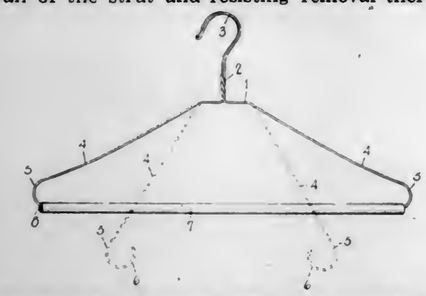


A cover for a garment hanger having a pair of downwardly divergent arms and a hook supporting such arms, said cover comprising a blank of flexible sheet material folded along edges diverging correspondingly to said arms to form a pair of substantially parallel walls, the cover having at its top an opening of materially less width than that of the hook, through which opening the hook may be upwardly threaded by an angular manipulation of the hanger, and having at its bottom a relatively large opening to admit the hanger between said walls, one of the walls having a passage extending from the top opening and terminating short of the bottom opening to accommodate the hook during said manipulation of the hanger.

2,151,012
GARMENT HANGER
James D. Coney, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan
Application April 8, 1937, Serial No. 135,743
4 Claims. (Cl. 223—88)

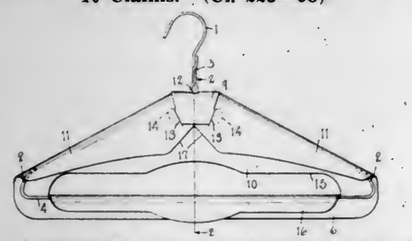
1. In a garment hanger, a supporting yoke member of wire having downwardly diverging arms, and a tubular strut extending between and supported by the free ends of the arms, said free ends of the arms being initially bent into hook-like form and being flexed substantially

at their terminal portions to permit the ends of the strut being telescoped thereover, the free ends thereafter bindingly engaging the inner wall of the strut and resisting removal thereof,



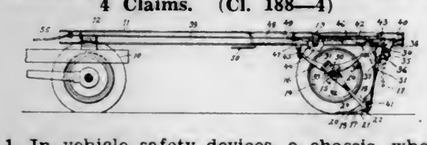
the terminal portion of each free end exerting a supporting moment on the inner wall about the opposite point of contact of the free end with the wall.

2,151,013
SHIELD FOR GARMENT HANGERS
James D. Coney, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan
Application April 8, 1937, Serial No. 135,746
10 Claims. (Cl. 223—98)



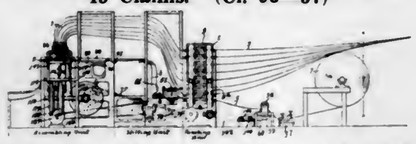
1. A shield for a garment hanger having garment suporting arms, a hook, a shank joining the hook to the arms, and a transverse strut, said shield comprising a front wall member having slitted flaps foldable over said arms, a central shielding element integral with said wall member and foldable into engagement with said flaps, and means comprising tongues on said shielding element engageable in slits in said flaps for securing said central shielding element to said flaps to constitute the same a rear wall, one of said walls being reduced in width to correspond approximately to the span of said hook, said shielding element having an aperture for receiving said hook and shank.

2,151,014
SAFETY DEVICE FOR VEHICLES
Frank L. Curtiss, Lodi, Ohio
Application April 4, 1938, Serial No. 199,872
4 Claims. (Cl. 188—4)



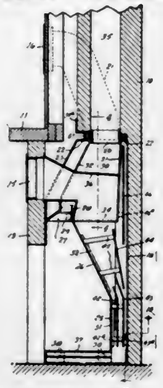
1. In vehicle safety devices, a chassis, wheels beneath the chassis, inclined plates adapted to be placed to the rear of a wheel, a supporting bar for the plates, radial arms connecting the bar to the axle of the wheels for to and fro movement thereon, a rock shaft pivoted in the chassis, beveled hooks secured to the shaft, a cable for raising the bar, a spring for holding the hooks in a closed position, and cooperating means depending from the chassis for guiding the bar into position above the hooks.

2,151,015
MACHINE FOR MAKING EGG BOX FILLERS
Roy S. Davis, Hollywood, Calif.
Application April 16, 1937, Serial No. 137,197
45 Claims. (Cl. 93—37)



1. In a machine for making egg box fillers, the combination of means for supporting and guiding a perforated web of stock, means for guiding a plurality of ribbons of stock in a direction transverse to the plane in which the said web is guided and in line with the perforations respectively, means for bending the forward end of each ribbon about an axis extending substantially parallel with the direction in which the ribbon extends, means for advancing the ribbons to thread their forward ends through the perforations, and means for flattening out the bent ribbons to lock the same in the perforations.

2,151,016
FIREPLACE CONSTRUCTION
George W. Donley, Cleveland, Ohio, assignor to The Donley Brothers Company, Cleveland, Ohio, a corporation of Ohio
Application December 29, 1937, Serial No. 182,281
12 Claims. (Cl. 126—121)



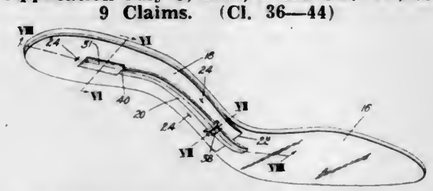
1. In a metal fireplace, the combination of an external housing having front, rear and side walls, a fireplace proper set within the housing and having rear and side walls spaced from the rear and side housing walls and comprising a fire chamber and a smoke-receiving and heat-radiating chamber, the rear wall of the fire chamber having a lower portion which is substantially parallel with the rear wall of the housing and having an upper portion which slopes forwardly, said fire chamber terminating at its upper end in a throat adapted to communicate with the second chamber, the second chamber having a substantially horizontal bottom wall or smoke shelf extending rearwardly from said throat, and circulation plates in the space between said fireplace proper and said external housing, some of said plates being located between the lower portion of the rear wall of the fire chamber and the rear wall of the housing and arranged to deflect heated air against the said smoke shelf, means for admitting air to the lower portion of the space between the said housing and the said fireplace proper and for delivering the air from the upper portion of said space, said circulation plates being arranged substantially parallel with said housing and closely adjacent thereto thereby to remain relatively cool while intercepting the maximum radiant heat from the fireplace proper.

2,151,017
TAILOR'S MODEL
Johannes Dörrer, Dresden, Germany
Application November 24, 1936, Serial No. 112,565
In Germany July 29, 1935
3 Claims. (Cl. 223—68)



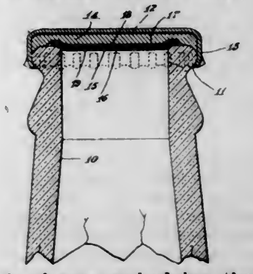
1. In a tailor's model or bust, a basic form, a bust-forming material secured by an adhesive to the said form to constitute the bust proper, a reinforcing material applied to the inside of the bust and constituting an integral part of the bust, an upright on which the said bust is mounted, a fitting in the neck of the said bust adapted to bear with a large surface against the said upright, flexible shoulders on the said bust, and means permitting of the adjustment of the said bust on the said upright on all sides and in all directions.

2,151,018
SHOE BOTTOM CONSTRUCTION
Maxwell E. Duckoff, Manchester, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 9, 1937, Serial No. 152,769
9 Claims. (Cl. 36—44)



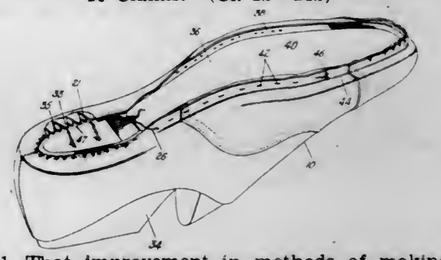
1. A reinforced insole unit comprising an insole, a reinforcing piece substantially coextensive with the heel and shank portions of the insole secured to the lower side of the latter, and a shank stiffener underlying the shank portion of said reinforcing piece, said reinforcing piece having a depression in the upper surface of its heel portion and having an opening affording access to said depression from the lower side of said piece, and said shank stiffener extending through said opening and having a rear portion fitting within and substantially filling said depression.

2,151,019
BOTTLE CLOSURE
Jay Bernard Eisen, Yonkers, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York
Application August 24, 1934, Serial No. 741,239
2 Claims. (Cl. 215—37)



1. A bottle closure embodying therein a shell having a skirt so formed as to co-operate with means upon the neck of the bottle in securing the closure thereto, a cushion disk within and engaging the top of said shell, and a laminated facing disk of smaller diameter than said cushion disk, and permanently bonded thereto, said facing disk including therein an outer lamina composed of a fibrous material having a surface coating of a material chemically resistant to the contents of a container, an inner lamina of a metal foil, and a bonding stratum between said laminae.

2,151,020
SHOE AND METHOD OF MAKING THE SAME
James P. Fredericksen, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 28, 1938, Serial No. 198,441
10 Claims. (Cl. 12—142)

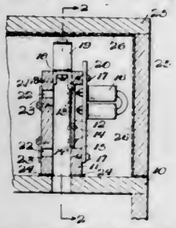


1. That improvement in methods of making shoes which comprises assembling on a last an insole, an upper and a counter, the lining of the upper and the flange of the counter being serrated by notches arranged in staggered relation to each other, applying cement to the margin of the outer surface of the insole, working the upper materials into overlasted relation to the insole, thereby causing the cement on the insole to reach the counter and the outer layer of the upper by reason of the notches in the lining and the flange of the counter, and maintaining the upper materials in overlasted position until the cement has set to hold them permanently in such position.

2,151,021
ELECTRIC ORGAN
Philip Hubert Frohman, Washington, D. C., assignor of one-half to Roland L. Taylor, Philadelphia, Pa.
Application November 20, 1936, Serial No. 111,916
43 Claims. (Cl. 84—1)

1. In a tone generator of the type described

having a wind chest and key control therefor, means for producing electrical oscillations corresponding to sound waves produced by an open diapason organ pipe comprising a plurality of



reeds mounted on said chest and field coils with non-magnetized cores for each of said reeds whereby when said reeds are vibrated electrical oscillations are induced in said field coils.

2,151,022

PROCESS FOR THE MANUFACTURE OF ALKALI METAL FLUORIDES AND HYDROXIDES

Fritz Gewecke, Westeregeln, Magdeburg, Germany, assignor, by mesne assignments, to Alkaliwerke Westeregeln G. m. b. H., Westeregeln, Germany, a corporation of Germany

No Drawing. Application July 23, 1936, Serial No. 92,175. In Germany August 1, 1933

2 Claims. (Cl. 23—89)

1. The process of producing alkali metal fluorides which comprises making a mash of an alkali metal chloride and water and subjecting this mash to the action of substantially three times the amount of concentrated hydrofluoric acid theoretically required for decomposing the chloride, the concentration of the hydrofluoric acid amounting to more than 40% HF, and the total quantity of water employed amounting to one half to twice the weight of the alkali metal chloride.

2,151,023

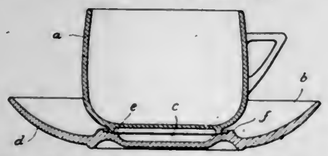
SAUCER FOR SUPPORTING CUPS, GLASSES, OR OTHER DRINKING VESSELS

Alan Carruthers Gibson, London, England

Application February 14, 1938, Serial No. 190,484

In Great Britain March 6, 1937

1 Claim. (Cl. 65—15)



A saucer of the kind in which a cup or the like is supported out of contact with liquid lodging in the saucer, characterised in that the saucer is provided with two liquid-receiving portions, one being in the form of a central well and the other in the form of an annular gutter, the two portions being separated from one another by a ridge from which extends a ledge on which the bottom of the cup rests, and such ledge extending inwardly towards the central well.

2,151,024

PERMANENT WAVE PAD

William A. Gilbert, Milwaukee, Wis.

Application October 30, 1936, Serial No. 108,347

2 Claims. (Cl. 132—36.2)

1. A device of the class described comprising a rectangular base member formed of absorbent paper, and an identical cover member of non-



absorbent paper adhesively secured throughout its area to said base member.

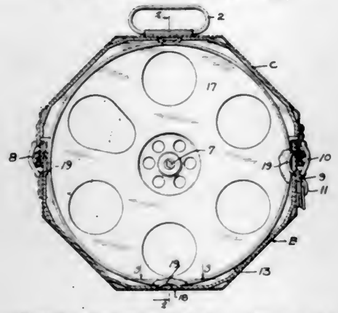
2,151,025

SHIPPING CASE FOR MOVING-PICTURE FILMS

Jacob M. Goldberg, Denver, Colo.

Application August 30, 1937, Serial No. 161,549

2 Claims. (Cl. 206—52)



1. A closed case for the handling and transportation of a plurality of moving picture reels, comprising two cooperating parts, one being an open sided body portion adapted to have the reels inserted therein and the other an open sided cover portion adapted to engage the reels and close the body portion, means for holding the reels in a predetermined relation within the casing comprising a plurality of spacers arranged in pairs, said spacers projecting inwardly from the casing wall, the spacers extending between the sides of the reels to hold them a predetermined distance apart, the spacers of each pair being spaced apart a sufficient distance to receive the peripheral edges of adjacent sides of adjacent reels, there being at least one pair of spacers on one of the parts and a plurality of pairs on the other part.

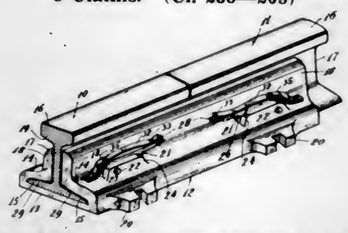
2,151,026

RAIL JOINT

Frank G. Gorick, Pittsburgh, Pa., assignor of three-tenths to Joseph D. Ripp and three-tenths to Harry B. Salkovitz, Pittsburgh, Pa.

Application July 1, 1938, Serial No. 216,905

5 Claims. (Cl. 238—205)



1. In a device of the class described comprising a one piece rail-chair adapted to receive the adjacent ends of the rail sections, said rail-chair arranged to conform to the contour of the base-flange and web of said rail sections and including a base-plate having inwardly extending flanges and upwardly directed extensions, the

ends of said inwardly extending flanges provided with elongated openings, an upstanding lug along each side of said openings adapted to pivotally support a cam which securely grips the top portion of the base-flange of said rail sections.

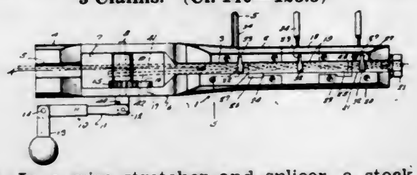
2,151,027

WIRE STRETCHER AND SPLICER

Marvin H. Hall, Brady, Nebr.

Application July 30, 1938, Serial No. 222,264

3 Claims. (Cl. 140—123.5)



1. In a wire stretcher and splicer, a stock, a plurality of barrel sections at one end of said stock disposed in end to end relation and longitudinally grooved to receive therein the ends of a broken wire extended therethrough side by side from opposite directions, respectively, and manipulative means on each section for clamping the wire ends to the wall of the groove thereof, said sections being relatively rotatable, whereby said clamped ends may be twisted together in spliced relation.

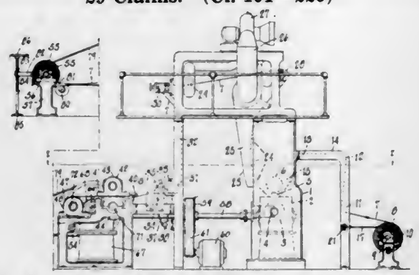
2,151,028

PRINTING AND PUNCHING REGISTERING APPARATUS

Ralph A. Hayward, Parchment, Mich., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich.

Application September 27, 1937, Serial No. 165,881

29 Claims. (Cl. 101—226)



1. A printing and punching machine comprising a printing plate cylinder, an impression roll therefor, a rotary punching device and a rotary forwarding device at the rear of said punching device, means for driving said cylinder and devices in synchronism at equal surface speeds, said punching device comprising a pair of cylinders having coacting punches and dies spaced peripherally thereof, said forwarding device comprising a cylinder having pins projecting therefrom and spaced in accordance with the spacing of the punches and dies of the punching device whereby the said pins enter holes formed in a continuous web by the punching device, a web supply roll in advance of the plate cylinder, and a web rewind roll at the rear of the forwarding cylinder, said supply roll having a manually adjustable brake associated therewith to vary the drag on the web as desired and thereby compensate for web creep at the printing cylinder and impression roll tending to destroy registry of the holes and the printed impression on the web, a slip friction drive from said driving means to said rewind roll whereby to synchronize said rewind roll with said devices comprising pulleys associated with said driving means and rewind roll, a belt passing therearound and a take-up roller, and manually controllable means for adjusting said take-up roller.

2,151,029

METHOD OF COMPLETING OIL OR GAS WELLS

Jan Vander Henst, Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application April 28, 1936, Serial No. 76,872

8 Claims. (Cl. 166—21)

1. In completing oil or gas wells having a producing formation, the improvement which comprises circulating down through the well a fluid emulsion of oil and water, substantially free of solid matter and having a viscosity greater than that of either crude oil or water, and a density less than that of water, whereby rock particles and sand are carried up by the circulating fluid, while tendency of the fluid to enter the producing formation under hydrostatic pressure is minimized.

2,151,030

GAME AND PLAYING PIECE THEREFOR

Ralph C. Hinsen, Denver, Colo.

Application April 28, 1938, Serial No. 204,857

6 Claims. (Cl. 273—137)



1. A playing piece for games comprising a plurality of resilient balls arranged in pairs to form a symmetrical figure, each pair being connected by a binding element and all of the binding elements intersecting, certain of said balls constituting a base for the symmetrical figure.

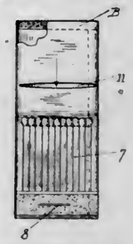
2,151,031

MATCH BOOK

George Jahns, Hollywood, Calif.

Application April 26, 1937, Serial No. 139,046

1 Claim. (Cl. 206—29)



A match book comprising a blank folded upon itself to form a tubular structure, one end of said tubular structure having a card of matches secured thereto, the other end of said tubular structure being sealed, a slit in said tubular structure adjacent the sealed end thereof, whereby ashes may be deposited within said tubular structure, and said tubular structure being foldable substan-

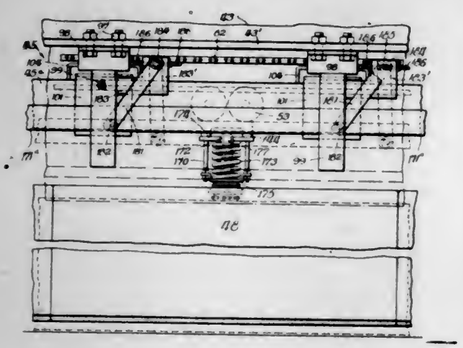
tially midway its length to form a book like arrangement to protect said matches and adapted to seal at its folding line deposits of ashes within said tubular structure.

2,151,032
JOINT AND METHOD OF MAKING SAME
John Jensen, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application June 21, 1937, Serial No. 149,414
7 Claims. (Cl. 29—148)



1. The method of splicing rod-like members which comprises, inserting the adjacent end portions of two cylindrical rod-like members into the opposite ends of a cylindrical metal sleeve, and pressing the inner wall of the sleeve into intimate contact with the surfaces of the rod-like members about their entire peripheries by deforming the cylindrical sleeve into a generally polygonal cross-sectional shape.

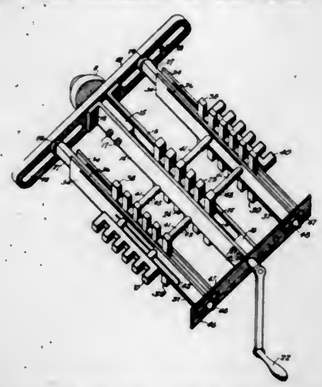
2,151,033
FOLDING PARTITION
Malcolm L. Jones, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application July 14, 1934, Serial No. 735,153
63 Claims. (Cl. 20—20)



1. In a partition, the combination of a supporting means, a series of partition panels movable along said supporting means to and from extended position, and means reacting against said supporting means for simultaneously moving said panels substantially vertically when in their extended positions.

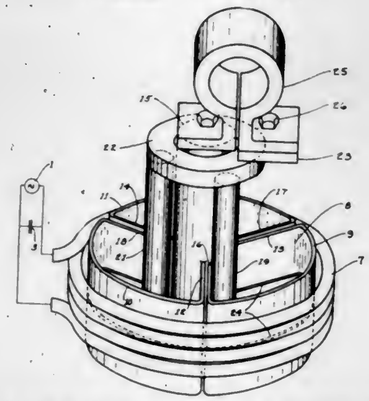
2,151,034
COIL WINDING AND SETTING MACHINE
William Kauppert, Jamaica, N. Y.
Application August 3, 1935, Serial No. 34,588
10 Claims. (Cl. 140—92.2)

1. A device of the class described, comprising a cross head, a fixed arm connected with said cross head, a plurality of movable arms adjustably connected with said cross head, movable winding combs mounted on said arms and ad-



justable collapsible end combs which are moved toward each other to facilitate the removal of wound coils.

2,151,035
TRANSFORMER
Theodore R. Kennedy, Morrisville, Pa., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J., a corporation of New Jersey
Application December 11, 1937, Serial No. 179,219
7 Claims. (Cl. 219—47)

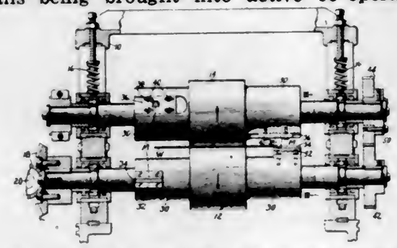


1. A transformer comprising a winding with a plurality of electrical turns, and a winding with a plurality of conductors connected in parallel at their extremities each coupled only fractionally with the circumferential part of said first mentioned winding but as a group substantially fully coupled with same.

2,151,036
WEB MARKING MECHANISM
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application August 12, 1937, Serial No. 158,751
7 Claims. (Cl. 93—93)

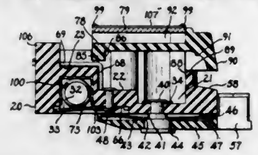
1. In a marking mechanism for web-material, opposite rolls contacting with the material to exert constant pressure thereon, means for rotating the rolls at different speeds to advance the material during the application of pressure, and

marking means carried by each roll, said marking means being brought into active co-operation



once for each of a plurality of pressing and feeding turns of the rolls.

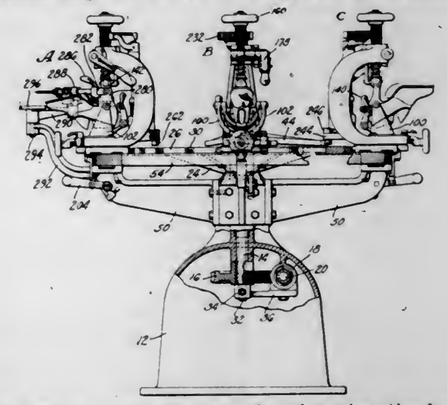
2,151,037
SWITCH FOR CONTROL OF LOW VOLTAGE CIRCUITS
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 18, 1937, Serial No. 131,733
19 Claims. (Cl. 201—56)



1. In combination, a molded insulating base having a recess formed in the upper surface thereof, a pair of wiring terminal members having portions thereof located within said recess and rigidly secured to the bottom wall of the latter, a resilient contact rigidly attached to one of said terminal members within said recess, said contact being formed to yieldably receive and retain the screw shell contact of an electric lamp, a molded insulating member adapted to cover a portion of said recess and having an opening formed therein, a metal member superimposed upon said insulating member, said metal member having a resilient contact attached thereto which penetrates said opening for yieldable engagement with the center contact of said electric lamp, common means for rigidly but releasably attaching said metal member and said insulating member to said base, a plurality of stationary contacts rigidly attached to the bottom surface of said base, a molded insulating actuating member pivotally supported upon said bottom surface of said base, a contactor carried by said actuating member for movement by the latter into and out of engagement with the respective stationary contacts, and means for continuously providing an electrical connection between said contactor and the terminal member to which said first mentioned resilient contact is attached.

2,151,038
HEEL ATTACHING MACHINE
John T. Lancaster, Newtonville, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 29, 1936, Serial No. 108,237
8 Claims. (Cl. 12—1)

1. In a heel attaching machine, the combination of a jack movable through a plurality of operating stations, means for moving the jack through said stations, means at one of said stations for molding the heel seat of a shoe upon the jack, means for detaining the jack at a succeeding station to permit a heel to be applied to the shoe,



and means upon the jack for clamping the heel under pressure upon the molded heel seat.

2,151,039
ELECTRICAL SWITCH
Roscoe E. Lehman and Arden E. Roane, Hagerstown, Md., assignors to The W. H. Reisner Manufacturing Company, Hagerstown, Md., a corporation of Maryland
Application March 9, 1935, Serial No. 10,300
4 Claims. (Cl. 200—16)

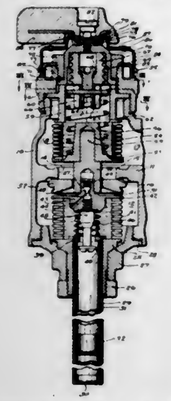


1. A contact system comprising a single resilient wire-like contact member fixed at substantially the middle thereof and having opposite portions thereof extending in a substantially straight line, a pair of resilient wire-like contact members disposed in longitudinal alignment and each mounted adjacent one end thereof and having a portion thereof extending parallel to and spaced from one of the opposite portions of said single contact member, and a contact pin movable to either of two limiting positions in a plane normal to the plane of said contact members for alternately bridging a selected one of said pair of wire-like contact members and said single wire-like member.

2,151,040
VALVE
Homer E. Malone, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 24, 1934, Serial No. 758,952
3 Claims. (Cl. 236—42)

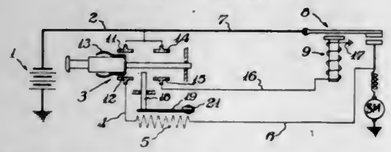
3. A device comprising valve casing means, valve seating means, rigidly connected valve elements cooperating with said valve seating means, condition responsive means for causing movement of said valve elements in accordance with condition variations to which said device is responsive between positions wherein one of said valve elements engages said valve seating means and a position wherein said valve elements do not engage said valve seating means, means biasing said valve means to said last named position, a movable member and means responsive to movement of said member in one direction to increase the force of said biasing means, to next positively hold the valve elements in a position

not in engagement with said valve seating means, and to lastly hold the other of said elements posi-



tively in engagement with said valve seating means.

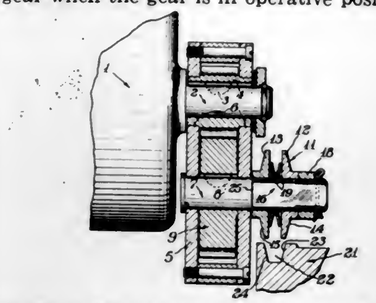
2,151,041
ENGINE STARTER CONTROL
Paul H. Maurer, Birmingham, Mich., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application April 16, 1935, Serial No. 16,643. Divided and this application December 24, 1936, Serial No. 117,547
6 Claims. (Cl. 290—38)



6. In a starting system for internal combustion engines of the automatic meshing type, a starting circuit including a two-stage switch, means whereby operation of the switch to the first stage causes partial energization of the starting system for meshing the starter gearing, means whereby operation of the switch to the second stage causes full energization of the starting system to crank the engine, means for initially preventing such operation to the second stage, and means actuated by the flow of current through the switch in its first stage position for a predetermined time, to render said preventing means inoperative.

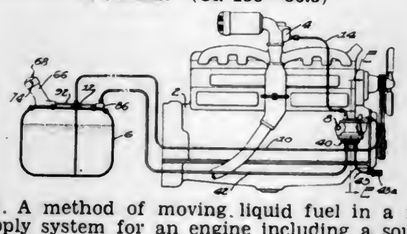
2,151,042
ENGINE STARTER GEARING
William L. McGrath, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 27, 1937, Serial No. 145,077
6 Claims. (Cl. 74—8)

1. Engine starter gearing including a friction wheel mounted for lateral motion into and out of engagement with a member of an engine to be started, means for rotating said wheel and for forcing it into engagement with the engine member by the reaction of the cranking load transmitted therethrough, means for limiting the engaging movement of the wheel, and means for maintaining a substantially constant pressure between the engaging surfaces of the wheel and gear when the gear is in operative position, irre-



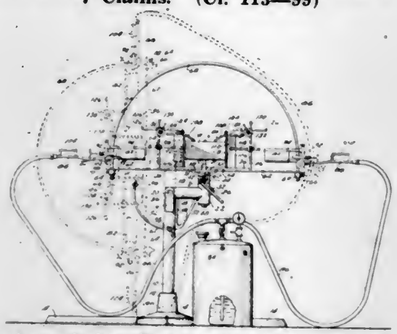
spective of variations in load or operating clearances.

2,151,043
FUEL FEEDING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 13, 1934, Serial No. 739,542
2 Claims. (Cl. 158—36.5)



1. A method of moving liquid fuel in a fuel supply system for an engine including a source of supply having a normally sealed opening exposed to unconfined atmosphere, comprising moving a column of fuel from the source of supply under vacuum, delivering said column to said engine under pressure, applying pressure to the source of supply to remove vapor lock from and supplement the said delivery of said column, and venting said pressure exclusive of said source of supply through the normally sealed opening when said opening is unsealed upon occasion to replenish said source of supply.

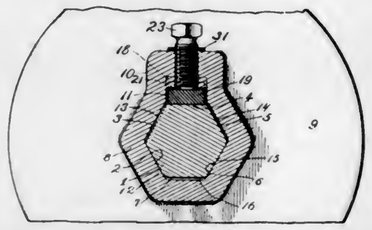
2,151,044
WORK HANDLING AND PREHEATING MECHANISM FOR WELDING
Roy Peterson, Emporia, Kans.
Application January 31, 1936, Serial No. 61,650
7 Claims. (Cl. 113—99)



1. A work handling and pre-heating mecha-

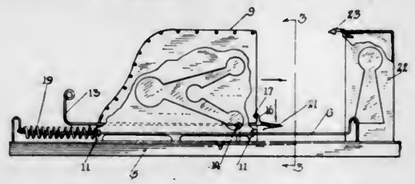
nism for welding comprising a support; an adjustable table carried by said support, having work-securing means; an arched burner supporting member carried by and extending above and across said table; a burner having clamping means adapted to engage said supporting member to direct a flame toward the work mounted on said table; and flexible means to supply fuel to said burner.

2,151,045
WHEEL MOUNTING
John H. Ploehn, Bettendorf, Iowa, assignor to French & Hecht, Incorporated, a corporation of Iowa
Application October 22, 1935, Serial No. 46,073
8 Claims. (Cl. 287—52.08)



7. Running gear for land vehicles, including a rotary axle and wheel, a hollow hub on the wheel receiving the axle and being movable both axially and radially on the axle, coactive complementary wedge faces on the axle and in the hub adapted in different axial positions of the hub on the axle to be brought through radial movement of the hub relative to the axle into wedging engagement so as to secure the hub rigidly to the axle for rotation of the wheel as an operative unit with the axle, and said coacting wedge faces being releasable from their wedging engagement through reverse radial movement of the hub relative to the axle, and securing means mounted in a recess in the hub for movement relative to both the hub and axle, said locking means being movable in the hub in one direction into operative position to engage the axle and urge the wheel hub radially into wedging engagement of its wedge faces with the complementary wedge faces of the axle, and said locking means being reversely movable away from the axle to inoperative position for release of said wedging engagement and in its inoperative position providing for radial play between the hub and axle enabling the hub to be adjusted in an axial direction freely without binding to different positions along the axle.

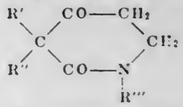
2,151,046
ANIMAL TRAP
Rafael C. Porciuncula, San Francisco, Calif.
Application February 21, 1938, Serial No. 191,807
2 Claims. (Cl. 43—60)



1. In a device of the character described, a base, a pair of runners mounted on said base and parallel to the side margins thereof, a cage slidable on said runners, a stationary portion mounted on said base adjacent one end of said runners, springs mounted on opposite ends of said runners and adapted to engage said cage for forcibly moving said cage against said stationary portion, and trigger means for holding said cage against the tension of said springs.

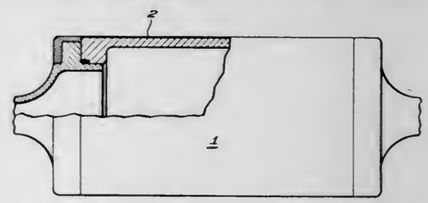
2,151,047
PIPERIDINE COMPOUND
Ernst Preiswerk, Munchenstein, near Basel, and Otto Schnider, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application June 29, 1938, Serial No. 216,624
5 Claims. (Cl. 260—293)

1. A compound of the general formula



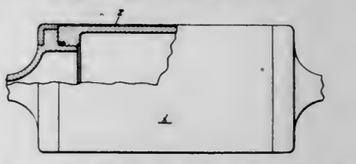
wherein R' and R'' represent lower unsubstituted saturated alkyl radicals and R''' is selected from the group consisting of hydrogen and lower unsubstituted saturated alkyl radicals.

2,151,048
DRYING ROLL
Howard J. Rowe, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1937, Serial No. 140,091
6 Claims. (Cl. 34—48)



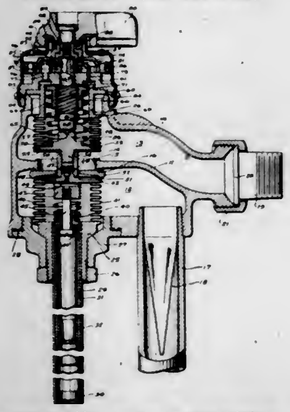
1. A drying roll for drying cellulosic sheet or film, said roll comprising an aluminum cylinder having on at least part of its surface a hard, adherent, abrasion-resistant coating consisting substantially of aluminum oxide, said coating being impregnated with a binding agent.

2,151,049
DRYING ROLL
Richard R. Laing, Fairfield, Conn., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1937, Serial No. 151,441
7 Claims. (Cl. 34—24)



5. In the production of non-fibrous cellulosic pellicles, the step which comprises passing the same over a heated anodized aluminum surface.

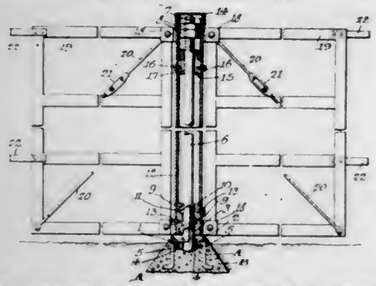
2,151,050
VALVE
Chester A. Rudolph and Edwin C. McCutcheon, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 24, 1934, Serial No. 758,969
16 Claims. (Cl. 236—42)



12. An automatic valve comprising in combination, a valve casing having inlet and outlet passages separated by a partition having a valve port therein, a pair of valve seats for said valve port, a valve structure cooperating with said valve port for controlling the flow of fluid from said inlet passage to said outlet passage, said valve structure being arranged for alternately engaging said valve seats, a condition responsive device for adjusting said valve structure in a manner to vary the flow of fluid through said port in accordance with variations in the condition to which said device is responsive, an adjustment member for adjusting said condition responsive device, and means actuated by said adjustment member when moved to predetermined positions for selectively and positively holding said valve structure so as to disengage both seats, or so as to engage one of said seats.

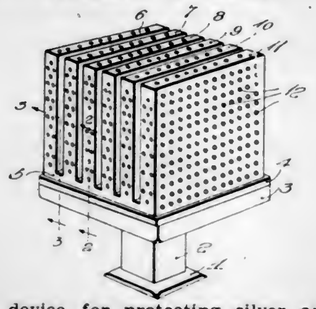
2,151,051
WITHDRAWN

2,151,052
SELF-CLOSING GATE
Lon R. Smart and Mart Nelson, Rocksprings, Tex.
Application December 29, 1937, Serial No. 182,309
4 Claims. (Cl. 39—84)



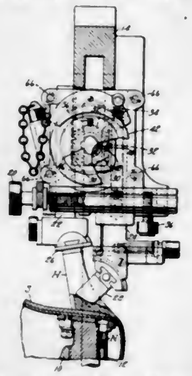
1. A gate of the class described including a base plate, a sleeve thereon having a spiral rib extending therearound, a spindle, a tubular housing into which the spindle extends, means secured in the housing for support and engagement by the spiral rib, guiding means secured in the housing and sliding on the spindle, and a gate frame extending radially from the housing.

2,151,053
ABSORPTION DEVICE
Thorvald A. Solberg, Washington, D. C.
Application March 15, 1937, Serial No. 131,105
2 Claims. (Cl. 183—4)



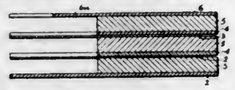
1. A device for protecting silver and other metals against tarnishing gases comprising a support having upwardly extending edges, and a container and gas absorbent material therein carried by said support; said container comprising a base portion open at the bottom and mounted between the upwardly extending edges of said support, said support providing a closure for the base portion of said container, and a plurality of vertically projecting container sections opening from said base portion, said container sections being perforate throughout the surfaces thereof for the admission of tarnishing gases into said gas absorbent material within said container.

2,151,054
PRESSURE MECHANISM FOR FASTENING-INSERTING MACHINES
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 11, 1938, Serial No. 184,444
15 Claims. (Cl. 1—32)



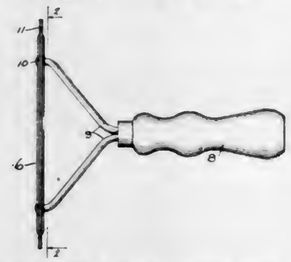
1. Pressure mechanism for fastening-inserting machines comprising a carrier member, heel-engaging members movable relatively to each other upon the carrier and thereafter the engaging members together and the carrier being movable relatively, and means made effective upon the last-mentioned movement for locking the engaging members against movement relatively to each other.

2,151,055
THREE-DIMENSION PICTURE DEVICE
Fred Stark, Hawthorne, N. J.
Application May 24, 1938, Serial No. 209,659
3 Claims. (Cl. 41—22)



1. The herein described three-dimension picture device including a planiform backing element on one side of which a part of the picture is presented, a transparent sheet element opposed to and spaced from said side of the first element and on which another part of the picture is presented, and means forming with the margins of the backing and sheet elements a frame for the picture and including apertured planiform spacer-frame elements forming layers alternating with the backing and sheet elements and of appreciably greater thickness than the latter element, the backing, sheet and spacer-frame elements being all secured together as a unitary structure, each element being of substantially uniform thickness throughout its whole extent.

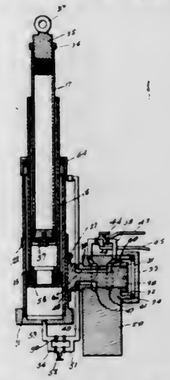
2,151,056
COMB
Edwal A. Stone, Kansas City, Mo., assignor to O. M. Franklin Serum Company, Denver, Colo., a corporation of Colorado
Application April 1, 1938, Serial No. 199,458
3 Claims. (Cl. 119—86)



1. A comb having a body formed from two separate pieces having a guard tooth at each end, the edge of each piece being pressed outwardly between the inner edge of the guard teeth, the outwardly pressed portions complementing each other to form an elongated recess having a bottom and end walls, the two pieces having each two identically spaced openings, hand e bars passing through the openings, the bars having integral shoulders for engaging one side of the body, the ends of the bars being riveted to engage the other side, the handle bars serving to hold the two pieces in cooperating position and a teeth assembly positioned in the recess and attached to the walls of the recess by solder.

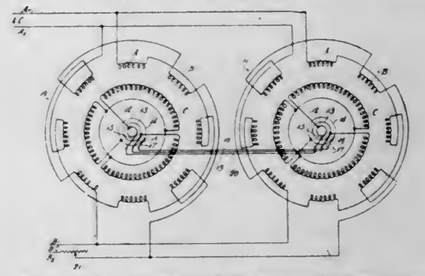
2,151,057
WELL DRILLING MACHINE
Jack Suth, Houston, Tex.
Application October 7, 1936, Serial No. 104,515
Renewed November 8, 1938
1 Claim. (Cl. 254—93)

In a hydraulic lift for the boom of a portable well drilling rig, a bearing mounted on the rig, a bracket having a recessed horizontal base plate and a semi-cylindrical vertically extending wall, a pivot bolt journaled in the bearing and connected with the said wall of the bracket, and a telescoping jack having a base section seated



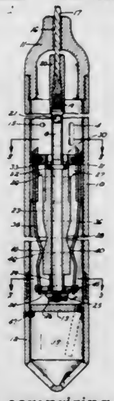
in the recess of the bracket base plate and secured to the semi-cylindrical wall thereof and extensible sections in said cylinder and pivotally connected with the boom, and means for extending and collapsing the said extensible sections.

2,151,058
MOTOR SYSTEM
Charles P. Sweeny, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application December 17, 1936, Serial No. 116,430
5 Claims. (Cl. 172—239)



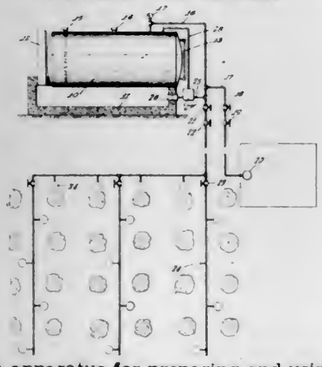
1. In a motor system of the electric gear type, a plurality of electric motors having rotor and stator members, a source of alternating current power, a primary distributed winding upon one member of each motor and energized from said source of power to produce a single phase alternating current field in each said motor, a phase wound secondary winding upon the other of said members of each motor, the secondary windings of said motors having the same number of phases and being connected together to provide for the flow of power currents between and through said secondary windings when the rotors of said motors are relatively displaced, and a tertiary distributed winding upon said one of said members of each motor, the tertiary windings of said motors being connected together, each tertiary winding having the connections thereto displaced with respect to the connections to the primary winding of the same motors and having its conductors positioned upon said motor to provide for the flow of substantial power currents between and through said tertiary windings when the rotors of said motors are relatively displaced.

2,151,059
VALVELESS SAND PUMP
Leland J. Towne, Oklahoma City, and Edgar B. De Loe, Sapulpa, Okla.
Application May 7, 1937, Serial No. 141,336
4 Claims. (Cl. 166—19)



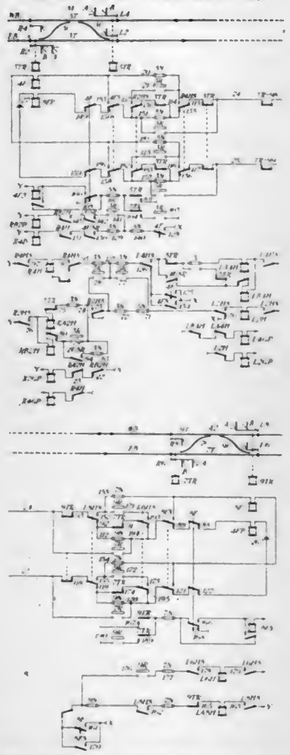
1. A sand pump comprising: a barrel; a head for said barrel; a valved bottom for said barrel; a plunger within the barrel including an expansible head formed of a plurality of relatively movable interlocking shoes, a mandrel about which said shoes are positioned and with relation to which said shoes are radially movable, and a rein connected to each of said shoes and operable by said mandrel for moving said shoes radially; and means connected to said plunger and extending outside said barrel for moving said plunger with relation to said barrel, and for moving said mandrel with relation to said plunger head.

2,151,060
APPARATUS FOR PREPARING FUEL FOR COMBUSTION
William Tschudy and Thomas W. Halliday, Los Angeles, Calif., assignors of one-third to Barry Dibble, Redlands, Calif.
Application July 31, 1933, Serial No. 682,994
7 Claims. (Cl. 158—53)



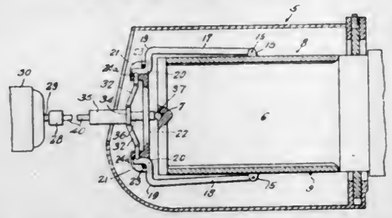
1. An apparatus for preparing and using a fuel of the butane-propane type or series, comprising in combination a closed reservoir in which the fuel is maintained in liquid form together with the vaporized fuel, an atmospheric burner exposed to the atmosphere for heating, a conduit from the reservoir to the said burner through which fuel is supplied by the vapor pressure in the reservoir, means to heat the reservoir to replace the heat lost from the liquid due to vaporization of such liquid in the reservoir and a means to regulate the reservoir heater governed by the vapor pressure in the reservoir, together with the atmospheric temperature approximate to the burner, whereby as the vapor pressure decreases, the heat to the reservoir heater is increased and as the atmospheric temperature decreases, the heat of the reservoir heater increases, and vice versa.

2,151,061
RAILWAY TRAFFIC CONTROLLING APPARATUS
James J. Vanhorn, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 24, 1938, Serial No. 192,271
18 Claims. (Cl. 246—3)



1. Railway traffic controlling apparatus in combination with a stretch of track comprising, a signal at each end of the stretch for governing traffic into the stretch, a remote controlled relay for each signal effective when energized to cause operation of the signal, a traffic locking circuit for the stretch responsive to a train occupying the stretch and including a directional relay at each end of the stretch, means governed by each remote controlled relay when operated to condition the traffic locking circuit for energizing the directional relay at the same end of the stretch, a stick circuit for each remote controlled relay including a front contact of the associated directional relay, a traffic following relay at each end of the stretch effectively energized in response to a train entering the stretch at the corresponding end and the associated directional relay is energized, a stick circuit for each traffic following relay including a back contact of the associated directional relay, and a front contact of each traffic following relay interposed in the stick circuit of the associated remote controlled relay in multiple with said front contact of the associated directional relay.

2,151,062
RECONDITIONING CAR JOURNALS
Vernon Wainscott, Lexington, Ky.
Application September 3, 1936, Serial No. 99,307
1 Claim. (Cl. 51—73)

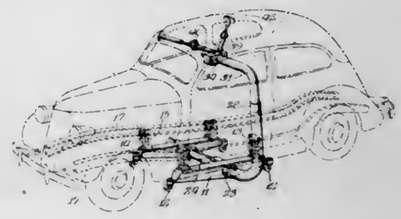


Apparatus for grinding a car journal having an axial centering socket in the outer end thereof comprising a motor, a shaft to one end of which the motor is operatively connected, a centering pin extending from the opposite end of the shaft for location in said socket to center said shaft axially of the journal, said opposite end of the shaft being cylindrical and telescoping over said pin whereby said shaft is slidable on the pin toward and from said end of the journal, a tension spring in said cylindrical end of the shaft opposing movement thereof in one direction, a cross head fast on the cylindrical end of the shaft, a pair of arms pivotally mounted at one end on said cross head to extend along diametrically opposite sides of the journal and for adjustment toward and from the latter, a pair of plates pivoted to the opposite ends of said arms for adjustment by the latter toward and from the journal and having abrasive means thereon, and means to adjust said arms toward said journal under movement of the shaft toward said end of the journal comprising a pair of toggles connected to said cylindrical end of the shaft and said arms, respectively.

2,151,063
AUTOMOBILE BODY REPAIRING APPLIANCE
Ira A. Weaver, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application August 30, 1937, Serial No. 161,604
2 Claims. (Cl. 153—32)

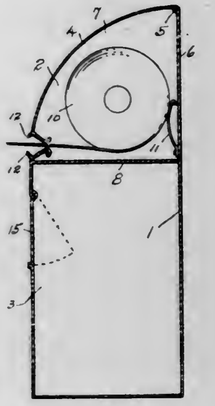
1. In an automobile-body repairing appliance, the combination of a member, means to clamp said member to the underframe of the automobile, a standard on said member shaped to extend around the outside of the automobile and into the automobile-body through one of its side openings while said member is clamped to said underframe, and pressure-means mounted on said standard design to engage the damaged part of the automobile-body and to reform the same to its original shape.

2. In an automobile-body repairing appliance, the combination of a caster-equipped truck designed to be introduced beneath the automobile, means on said truck adapted to be clamped to the underframe of the automobile, a standard on said truck shaped to extend around the outside of the automobile and into the automobile-body through one of its side openings, and pressure-means on said standard adapted to engage



the damaged part of the automobile-body and to reform it to its original shape.

2,151,064
DISPENSER
Taylor Alexander, Los Angeles, Calif.
Application July 27, 1937, Serial No. 155,981
3 Claims. (Cl. 242—55.5)

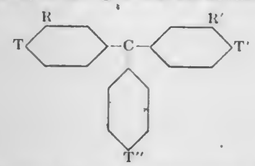


1. In a dispensing device of the type having a casing in which is rotatably mounted a roll of paper, said casing having an outlet opening through which the web of paper is drawn; a pair of substantially S-shaped members carried in opposed relationship in the mouth of the casing to receive therebetween the web of paper, the edges of said members toward the outside of the casing being turned toward each other and serrated to form a tearing edge for the paper when pulled at an angle either upwardly or downwardly, and the edges of said members toward the interior of the casing turned away from each other to provide smooth curved surfaces over which the web of paper is drawn to tension the same and give it an even pull when withdrawn.

2,151,065
PHOTOGRAPHIC FILM AND METHOD OF TREATING SAME
Donald K. Allison, Beverly Hills, Calif., assignor to Detracolor Ltd., a corporation of Nevada
No Drawing. Application February 15, 1935, Serial No. 6,641
2 Claims. (Cl. 95—6)

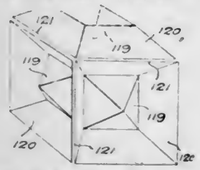
1. In a photographic film the combination of: an emulsion carrying a light sensitive silver salt

and the leuco base of a triaminotriphenylmethane derivative, of the general structure



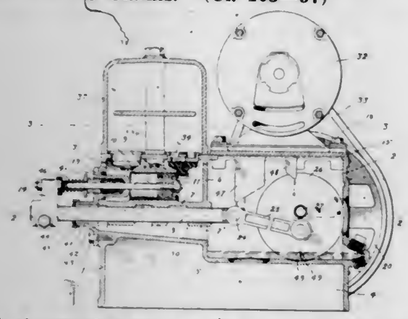
where T, T′ and T″ are substituted or unsubstituted amino groups, and R and R′ are hydrogen, alkyl, alkoxy or hydroxyl groups.

2,151,066
ARTICLE FOR STRUCTURAL AND OTHER PURPOSES
Robert Hutchison Anderson, Clifton, Bristol, England
Application July 1, 1936, Serial No. 88,452
In Great Britain October 19, 1935
18 Claims. (Cl. 35—72)



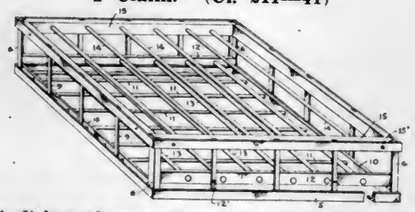
1. An article for structural purposes comprising a plurality of elements of pyramidal form with the slant faces of the different pyramids arranged adjacent to one another and at an interior position relative to the completed article, said pyramids being connected near their apices to hold them together and thus leave exposed the outer edges of open joints of plane form provided between the unconnected portions of the adjacent slant faces of the pyramids which extend from the edges of the article to the said connections, and the exposed outer junction edges of said elements on the perimeter of said structural article outlining the form of a polyhedron.

2,151,067
POWER PUMP UNIT
Vaughan L. Andrew, Superior, Wis.
Application February 9, 1938, Serial No. 189,626
6 Claims. (Cl. 103—57)



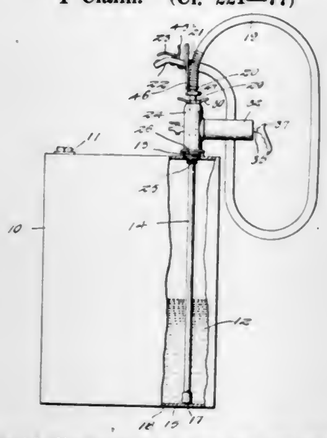
1. A pumping power unit comprising a supporting housing upon and within one end of which the power supplying elements are supported and pumping mechanism upon and within the opposite end, characterized by means including a pitman for transmitting energy from the power end of said housing to the pumping mechanism at the other end slidably supported beneath said pumping mechanism and connected thereto externally of said housing, and an oil chamber common to said means and to all of the moving parts of the power elements within said housing.

2,151,068
DISH RACK
Murray L. Atlas, Teaneck, N. J.
Application September 2, 1936, Serial No. 99,140
Renewed October 6, 1938
1 Claim. (Cl. 211—41)



A dish rack comprising an outer frame of appreciable height having upper and lower interconnected supporting bars and being entirely open at the top and bottom, a pair of superimposed frames within said outer frame and removably supported adjacent the bottom of said outer frame on said lower supporting bar, cross bars on the lower of said pair of inner frames disposed at right angles to bars disposed on the upper of said pair of inner frames, an upper frame disposed in said outer frame adjacent the upper end thereof and removably supported on the upper of said outer supporting bars in spaced relation to said pair of superimposed lower frames, said upper frame being provided with bars which parallel some of the bars of said superimposed pair of frames.

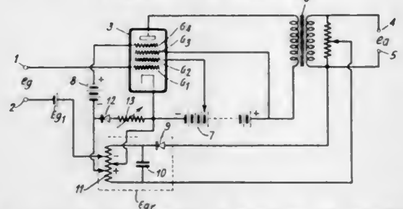
2,151,069
FUEL PUMP
William F. Bahr, Glen Ullin, N. Dak.
Application January 13, 1937, Serial No. 120,447
Renewed August 16, 1938
1 Claim. (Cl. 221—77)



A liquid dispensing means for use with a receptacle containing liquid, comprising a housing, a threaded nipple carried by one end of said housing and constituting means to secure the housing onto said receptacle, a liquid discharge pipe extending vertically through said housing and said nipple, the exterior surface of said pipe

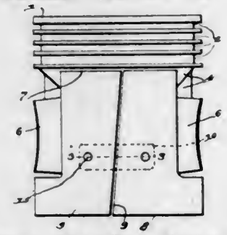
being disposed in spaced relation to the interior surface of said nipple, a gland threadably engaging the opposite end of the housing and engaging about said pipe in a manner to seal said pipe in the upper portion of said housing and to support said pipe from said housing, an air pump secured to said housing intermediate the ends thereof, said air pump including a cylinder, an inner wall carried by said cylinder having an opening therethrough, a check valve for said opening carried by said end wall, said check valve opening inwardly of said housing, a plunger slidable in said cylinder, operating means for said plunger, and a relief valve secured to said housing.

2,151,070
AMPLIFICATION CONTROL CIRCUIT
Hans Bartels, Berlin, Germany, assignor to Telefunken Geselischaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 6, 1937, Serial No. 119,257
In Germany November 21, 1935
1 Claim. (Cl. 179—171)



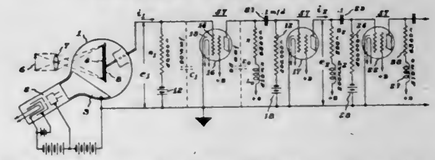
In combination with a source of electrical waves, an electron discharge tube including at least a cathode an output electrode, a wave input electrode, an auxiliary electrode, and means maintaining said auxiliary electrode at a positive potential with respect to said input electrode, an output circuit connected to said output electrode, means for varying the direct current potentials of the input and auxiliary electrodes in polarity opposing sense, and a path having a non-linear resistance characteristic connected between said cathode and auxiliary electrode for maintaining the potential relations of the input and auxiliary electrodes such that the average current flow in the output circuit is substantially steady.

2,151,071
PISTON EXPANDER
George C. Beck, Spokane, Wash.
Application December 22, 1937, Serial No. 181,057
2 Claims. (Cl. 309—12)



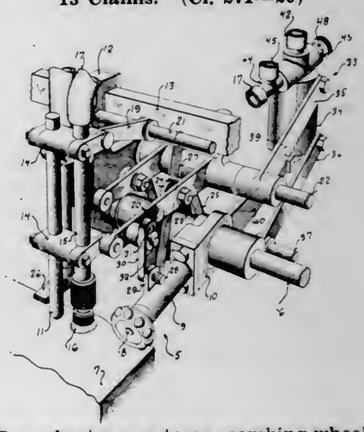
2. As a piston expanding device for pistons having a split skirt, a bar formed of a single composition of metal having a single coefficient of contraction and expansion and the ends of said bar being fixedly secured to the inner face of the piston skirt on opposite sides of the slit therein, said bar having at least one portion arched inwardly away from the skirt, and said bar being substantially rigid and having such a low factor of resilience comparable to annealled steel that when said arch is flattened under hammer blows to expand the piston said bar will retain its deformed shape without requiring removal from the piston.

2,151,072
TELEVISION TRANSMITTER
Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1935, Serial No. 18,136
6 Claims. (Cl. 179—171)



6. In a system for amplifying picture signals covering a wide frequency band, in combination, a photoelectric cell device of a high vacuum type having high internal impedance and having output electrodes, an amplifier tube having input electrodes, a loading network which couples said output electrodes to said input electrodes, said network having an effective resistance and a shunt capacity, said effective resistance being so large as compared with the capacity reactance of said network at the highest frequency to be amplified that said network presents a capacitive reactance over the upper 80 percent. of the frequency band to be amplified whereby the picture signal output from said device at the low frequency end of said band is large compared with noise at said low frequency end produced in the portion of said system immediately following said device thereby giving a good signal to noise ratio in the output of said system, a compensating circuit having a frequency response characteristic which is complementary to that of said photoelectric cell device, and means for supplying the output of said amplifier tube to said compensating circuit.

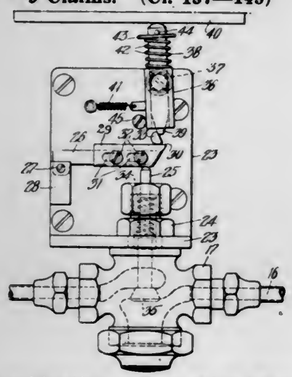
2,151,073
SHEET SEPARATOR
Frank R. Belluche, Racine, Wis.
Application October 28, 1937, Serial No. 171,509
13 Claims. (Cl. 271—20)



1. In a sheet separator: a combing wheel operatively engageable with the top of a plurality of

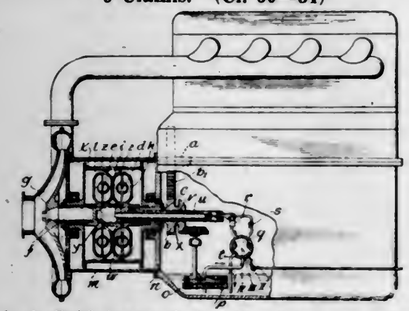
sheets to buckle the same; a suction cup for engaging the topmost sheet at its buckled portion; positively driven means for raising and lowering the suction cup; yieldable means tending at all times to lift the combing wheel off the sheets; pneumatic means for lowering the combing wheel onto the sheets; and valve means responsive to the sealing of the suction cup by the topmost sheet for rendering said last named pneumatic means inoperative so that the sealing of the suction cup by the topmost sheet is accompanied by immediate lifting of the combing wheel.

2,151,074
VALVE ACTUATOR
Theodore J. Beregh, Patchogue, N. Y.
Application April 22, 1937, Serial No. 138,337
9 Claims. (Cl. 137—145)



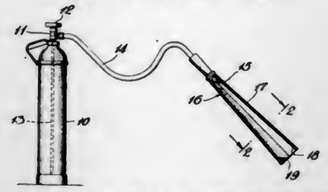
1. In combination with a valve having an operating stem or the like adapted to be depressed for opening the valve, of means for depressing said stem from valve closing to opening position, said means comprising two parts of which one part is movable with the stem and of which the other part comprises a pivoted rocker member and a trigger slidable in said rocker member and which is adapted to move transverse to the direction of depressing and effect a snap release of the first said part.

2,151,075
FLUID POWER TRANSMISSION
Arthur Berger, Oberturkheim, near Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 26, 1938, Serial No. 192,711
In Germany February 23, 1937
9 Claims. (Cl. 60—54)



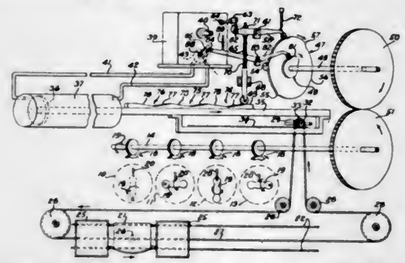
1. A fluid transmission for interconnecting a load and a source of power, comprising, in combination, an impeller element connected to the source of power, a turbine element connected to the load, a free member intermediate said impeller and turbine elements, including a second turbine element cooperating with said impeller element to form a first working circuit, and a second impeller element cooperating with said first turbine element to form a second working circuit, separate conduits for respectively supplying fluid to said first and said second working circuits, and means for controlling the supply of fluid to said separate conduits.

2,151,076
DISCHARGE HORN FOR NONCONDUCTING FLUIDS
Martin Betzler, Neuruppin, Germany, assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application April 19, 1937, Serial No. 137,773
In Germany April 20, 1936
16 Claims. (Cl. 169—11)



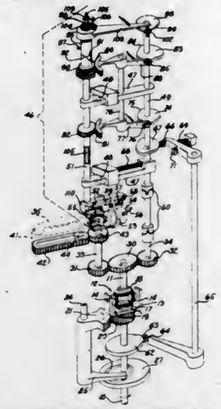
4. In combination with a discharge nozzle for highly compressed electrically non-conducting fluid, a device adapted to confine, at least in part, a stream of said fluid issuing from the nozzle, said device comprising a wall formed of two electrically intercommunicating materials, one material being electro-positive and the other electro-negative in its reaction to friction of said stream, said materials exposing separate surface areas to the stream and said areas being proportioned to generate electric charges of substantially equal magnitude.

2,151,077
CONVEYER SYSTEM
George A. Bouvier, Chicago, and Einer W. Larsen, Elmhurst, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1936, Serial No. 71,412
13 Claims. (Cl. 198—19)



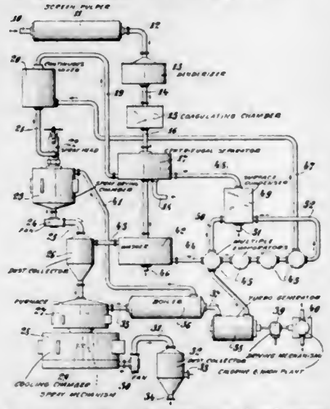
1. In a conveyer system for an attendant servicing a plurality of work stations of a material working machine, a carrier for an attendant, means for driving said carrier, and control means for said driving means effective to progressively move and automatically stop the carrier adjacent each work station.

2,151,078
ENGRAVING MACHINE
George A. Bouvier, Minneapolis, Minn., and Edward J. Crane, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1936, Serial No. 87,690
13 Claims. (Cl. 90—13)



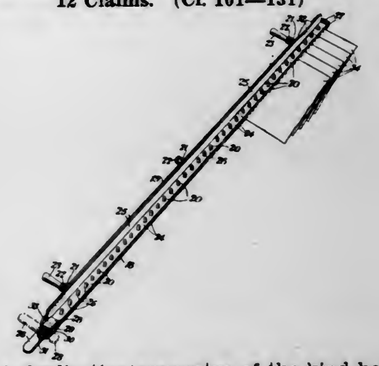
10. In a machine for cutting a groove in the periphery of an article, article holding means, a cutting tool, and automatic means including a control cam for causing relative movements between the article holding means and tool to maintain the article and tool in cutting relation for more than one complete revolution in one direction and for a portion of a revolution in the opposite direction to form a continuous groove having its starting and finishing points overlapping, said movements occurring during one cycle of machine operation.

2,151,079
SEWAGE DISPOSAL SYSTEM
William Spencer Bowen, Westfield, N. J.
Application February 5, 1935, Serial No. 5,153
6 Claims. (Cl. 210—2)



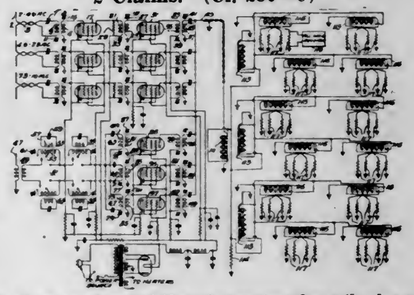
1. The process for the disposal of sewage and other waste material comprising drying the material to convert it into a residue of small substantially dry particles, burning said particles under sufficiently high temperature conditions to form a molten slag residue, and simultaneously spraying and cooling said molten slag to produce a chilled residue of small particles.

2,151,080
DUPLICATING APPARATUS
Charles H. Bradt, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 131,384
12 Claims. (Cl. 101—131)



1. A duplicating apparatus of the kind having a margin bar provided with means for positioning a sheet at one end of the latter for impression of said sheet on a hectograph copying surface presented adjacent said bar, wherein said margin bar is provided with additional detachable means for anchoring an assembly of sheets thereto for positioning the assembled sheets for impression on said presented copying surface, whereby said bar with said additional means attached thereto may be used to position a sheet assembly, and said bar may be used to position a single sheet with said additional means detached from the bar.

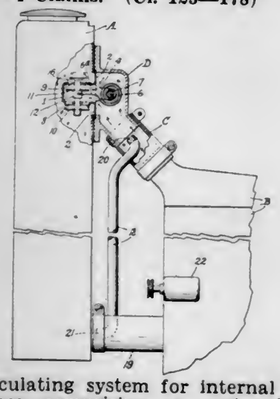
2,151,081
MULTIPLEX RECEIVING SYSTEM
Wendell L. Carlson and Vernon D. Landon, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 24, 1936, Serial No. 102,286
2 Claims. (Cl. 250—9)



1. In a system of the character described a plurality of antennas each responsive to currents of substantially different high frequencies, a plurality of high frequency amplifiers each responsive to different bands of frequencies of the order of 2.5 megacycles wide and including one of said antenna responsive frequencies, means coupling said antennas and amplifiers having similar responsive frequencies, an antenna responsive to currents of the broadcast frequency range, a plurality of amplifiers each of which are responsive to different bands within said range of broadcast frequencies, means coupling said last-mentioned antenna and said last-mentioned amplifiers, a distributing network effectively connected to the output of said first and second mentioned ampli-

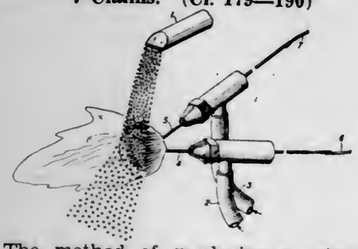
fiers, said distributing network including a single step down transformer and four similar transformers connected to the secondary of said single transformer and a plurality of step down transformers connected in groups to the secondaries of said four transformers, and means for attenuating currents of predetermined frequency connected to the means coupling said last-mentioned antenna and said last-mentioned amplifiers.

2,151,082
CIRCULATING COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Thomas B. Chace, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application November 9, 1934, Serial No. 752,256
4 Claims. (Cl. 123—178)



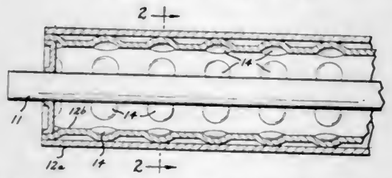
1. A circulating system for internal combustion engines, comprising an engine having a water jacket, a radiator, a connection between the upper portion of the water jacket and the radiator, a valve device for controlling the connection between the upper part of the water jacket and the radiator, and a valveless bypass extending from the upper part of the water jacket to the lower part thereof, said bypass having an upper open end which faces in the direction the water is traveling from the water jacket to the radiator, said water surrounding said bent end and traveling longitudinally therealong, which bypass acts as a bypass when the connection to the radiator is closed, and which ceases to act as a bypass when the connection to the radiator is opened.

2,151,083
MICROPHONIC MATERIAL
Carl J. Christensen, Flushing, N. Y., and Frederick S. Goucher, Short Hills, and Herman G. Wehe, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 7, 1936, Serial No. 62,786
7 Claims. (Cl. 179—190)



1. The method of producing a microphonic particle which comprises treating a granule of silica gel with heat to intumesce the granule and lower its particle density.

2,151,084
SILENCER
Floyd E. Deremer, Detroit, Mich.
Application April 7, 1937, Serial No. 135,600
1 Claim. (Cl. 181—62)



In a silencer of the class described, a multiply sheet metal tubular shell inside of which are sound waves which impinge against the inner ply with the inner one of the plies having circular pressed out spots extending from it to the other to space the plies relatively and thus form an annular air space between the plies.

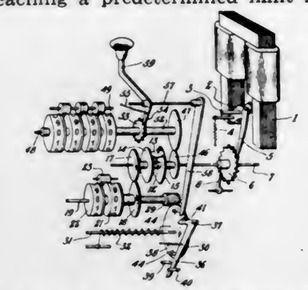
2,151,085
NEEDLE WEAVING LOOM
Raymond Dewas, Amiens, France
Application November 3, 1937, Serial No. 172,502
In France November 21, 1936
8 Claims. (Cl. 139—123)



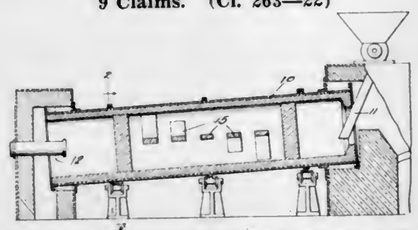
1. A needle-guiding mechanism for looms, comprising the combination with a shed, an inserting device movable across the shed, a slay, means connected to said slay and constituting a channel for the inserting device, said channel being positioned adjacent that side of the shed where the inserting device enters, and means connected with said slay and disposed in the front part thereof for the guiding of the inserting device during its travel across the shed; of a flexible propelling member connected with said inserting device, means constituting a part of the first-mentioned means and forming a lower-channel wall having a groove formed therein for the guiding of said flexible propelling member to prevent lateral and vertical movement, and means constituting a part of the second-mentioned means for guiding said flexible propelling member to prevent lateral and vertical movement.

2,151,086
REGISTERING MECHANISM
Théodore Dietrich and Onésime Borel, Geneva, Switzerland, assignors to Landis & Gyr, A-G., a corporation of Switzerland
Application September 12, 1935, Serial No. 40,229
In Switzerland October 13, 1934
10 Claims. (Cl. 235—92)

10. A registering mechanism including in combination a first register, a totalizing register, means for actuating the first register including an electro-magnet and mechanism operated by said magnet to advance the first register, and means operating automatically upon the first register reaching a predetermined limit for transferring values from the first register to said totalizing register.

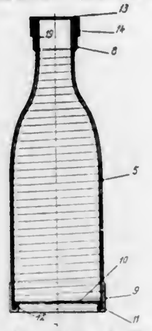


2,151,087
HEAT EXCHANGE APPARATUS
Reinhold Dietze, Goeschwitz, Germany
Application October 2, 1937, Serial No. 167,064
In Germany January 5, 1937
9 Claims. (Cl. 263—22)



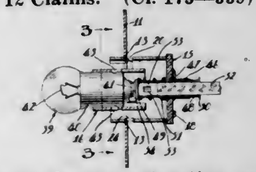
1. In heat exchange apparatus, the combination with a rotary kiln, of a plurality of longitudinally spaced and generally lonigtudinally extending partitions disposed interiorly of said kiln, transverse sections of successive partitions defining increasing angles with the first partition to form in effect an interrupted helix.

2,151,088
METHOD OF MANUFACTURING HOLLOW ARTICLES FORMED OF FLEXIBLE STRIP MATERIAL
Edouard Louis Diot, Neuilly-sur-Seine, France
Application January 8, 1935, Serial No. 909. Renewed July 25, 1938. In France April 30, 1934
13 Claims. (Cl. 93—39.1)



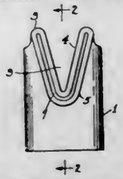
1. A method of making hollow articles having cross-sections of different sizes which consists in winding helically on a mandrel of corresponding shape a strip of flexible material having, on the whole of the length to be wound on any contoured part of the mandrel, transverse corrugations that have substantially the same value throughout the width of the strip, setting the said strip during its winding on any contoured part of the mandrel in such a manner that its longitudinal edge in front of the cross-section of the mandrel which is larger than the cross-section of the mandrel situated in front of the other longitudinal edge of the strip is elongated with reference to its original length and the length of this latter edge, the successive helical turns of the strip being thus wound flat one upon another along the mandrel from one end to the other during the winding and joined together, and then removing from the mandrel the article thus obtained.

2,151,089
ELECTRIC LAMP AND SOCKET CONSTRUCTION
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application November 22, 1935, Serial No. 51,070
12 Claims. (Cl. 173—339)



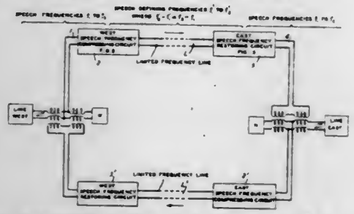
2. An electric lamp construction, comprising: a mounting, having an aperture; a socket body, extending through said aperture, and having a portion abutting one surface of said mounting; means for retaining an electric lamp, carried by said socket body, and having a portion projecting exteriorly of said body abutting the opposite surface of said mounting; and resilient means for yieldably holding said socket body portion and said retaining means portion in abutment with the opposite surfaces of said mounting.

2,151,090
FLUID BLAST NOZZLE
Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana
Application December 20, 1937, Serial No. 180,755
1 Claim. (Cl. 299—107)



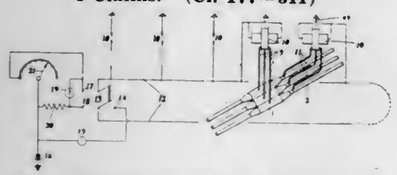
A nozzle adapted for use in the shredding of suitable molten mineral materials into mineral wool fibers, said nozzle comprising a chambered member adapted for engagement with a source of steam or air under pressure and having a reentrant substantially V-shaped roof portion extending the entire length of the upper part of said member and having an orificed portion immediately below said roof portion and so arranged and constructed as to produce a steam or air jet being substantially V-shaped in cross-section and projected in a direction substantially parallel to a plane passing longitudinally through said roof portion.

2,151,091
SIGNAL TRANSMISSION
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 30, 1935, Serial No. 47,393
74 Claims. (Cl. 179—1.5)



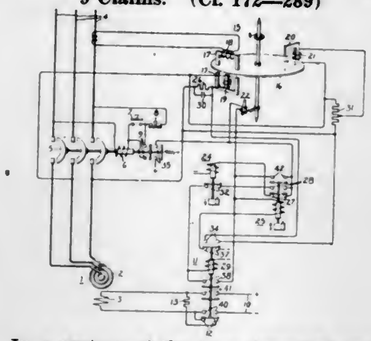
1. In communicating intelligence of a speech signal having predictable characteristics known to be in the signal and unpredictable variable characteristics, neither said predictable nor said unpredictable characteristics being adequate to give intelligibility to the signal, the method which comprises transmitting waves of frequency below audibility representing the unpredictable characteristics through a transmitting medium, receiving those waves from the medium to the exclusion of waves representing the predictable characteristics, generating waves not received from the transmitting medium that define the predictable characteristics, and so combining effects of the transmitted waves received from the transmission medium and the generated waves not received from the transmitting medium as to create a synthetic speech signal containing substantially the same intelligence as the original speech signal.

2,151,092
ELECTRIC CABLE SYSTEM
Percy Dunsheath, Kent, England, assignor to W. T. Henley's Telegraph Works Company Limited, London, England, a British company
Application October 12, 1935, Serial No. 44,735
In Great Britain October 27, 1934
4 Claims. (Cl. 177—311)



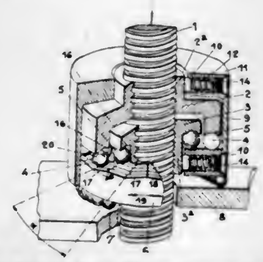
1. The combination with a plurality of co-extensive cables each containing gas under pressure and in each of which there is substantially no free flow of the gas along the cable, of means for indicating leakage of gas occurring at a point in a cable before this leakage is directly manifested at other distant points in the cable, comprising gas-tight enclosures for the respective cables each enclosure surrounding a co-extensive substantial portion of its corresponding cable and providing a space around the portion of the cable into which gas leaking from any point of the enclosed portion of the cable will flow, the total space between the enclosure and the cable being of such dimension as to produce a measurable rise of pressure in the space for leakage from any point of the enclosed part of the cable before such leakage is manifested at other distant enclosed points, and indicating means responsive only to differential pressure changes in the enclosures of the plurality of cables.

2,151,093
CONTROL SYSTEM FOR SYNCHRONOUS MACHINES
Samuel C. Ewing, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1938, Serial No. 212,992
9 Claims. (Cl. 172—289)



1. In a system of the type described including a synchronous machine of the type in which pulsations are produced in the armature current thereof when the machine is operating as an induction motor at subsynchronous speeds near synchronous speed, and a source of alternating current connected to the armature winding of said machine, of means for establishing a predetermined electrical connection of the field winding of said machine at either of two optimum 180° displaced points in the slip cycle when the machine reaches a predetermined speed as an induction motor including timing means having an adjustable definite timing operation, means dependent upon a predetermined function of the voltage of said source and armature current of said machine for initiating the timing operation of said timing means at either of two definite points in the slip cycle substantially 180° apart when the slip of the machine decreases to a predetermined value, and means responsive to said timing means completing its definite timing operation for establishing said predetermined field connections of said machine.

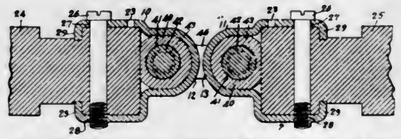
2,151,094
DEVICE FOR REDUCING FRICTIONS IN SYSTEMS OF THE WORM AND NUT TYPE
Aldo Fiorentino, Paris, France, assignor to Jean-Marie Heinrich and Marcel Nadaud, both of Paris, France
Application February 3, 1937, Serial No. 123,752
In France February 6, 1936
5 Claims. (Cl. 74—424.8)



1. In a power transmitting device for converting a continuous rotation into a translation parallel to the axis of the said rotation or into another

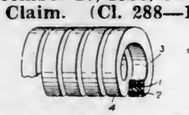
type of rotation about an axis disposed at right angles to the axis of the first one, a driving member adapted to be rotated, a driven member provided with engagement means, two rotatable members provided with corresponding engagement means engaging the first mentioned engagement means of the driven member, means including at least a cam provided with inclined planes, means for rotatably coupling the said cam with the driving member, balls interposed between the inclined planes of the said cam and at least one of the rotatable members in order to act periodically upon the said rotatable member in an axial direction, and frictional means interposed between the driving member and the rotatable members and adapted to allow a free rotation of the said driving member with respect to the rotatable members when the latter receive an axial stress from the driven member.

2,151,095
BELT CONNECTOR
Abraham L. Freedlander and Norman J. Ritzert, Dayton, Ohio, assignors to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application June 12, 1936, Serial No. 84,916
8 Claims. (Cl. 24—33)



4. A belt connector comprising a pair of spaced belt clamps, a bearing bushing of approximately D-shaped cross section associated with each belt clamp and having a bore of circular cross section therethrough, a bearing member within each bearing bushing, said bearing bushings and said bearing members having mating bearing surfaces, and link means interconnecting the opposite bearing members at their opposite ends.

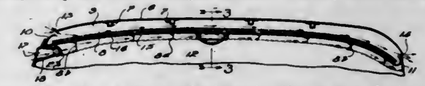
2,151,096
PACKING
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application December 10, 1936, Serial No. 115,195
1 Claim. (Cl. 288—1)



Resilient strip packing material reinforced against cold flow comprising a rubber body of geometric section having incorporated therein a reinforcement of flexible metal mesh, said mesh being relatively inextensible in one direction and freely extensible in a direction normal thereto, and shaped to substantially conform to the outline of the body, but spaced inwardly from the surface thereof, said reinforcement being so disposed as to resist cold flow in a direction longitudinal of the strip.

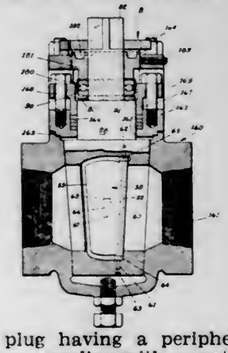
2,151,097
MEANS AND METHOD FOR COOLING VEHICLE BODIES
John A. Germonprez, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application September 9, 1935, Serial No. 39,680
19 Claims. (Cl. 62—139)

12. Means for providing cooled air in the compartment of a vehicle for the transportation of persons or goods comprising means for chilling a wall of the compartment by evaporation of a vaporizable liquid, a foraminous sheet of material spaced from the said wall and secured at its periphery to the compartment walls, and means



providing for a flow of air into the space between the said sheet and the chilled wall by movement of the vehicle, said sheet providing for uniform flow of the cooled air throughout the area of the sheet into the compartment.

2,151,098
RETURN FLOW CHECK AND PLUG VALVE
Dolphice H. Greenwood, Los Angeles, Calif.
Application January 30, 1936, Serial No. 61,568
8 Claims. (Cl. 277—23)



1. A valve plug having a peripheral surface adapted to form a sealing with a seat of complementary shape of a valve housing, the peripheral surface being concentric to the axis of the plug, there being a port through the plug intersecting the said peripheral surface and at the intersecting portions at both ends being of the same shape and cross sectional area, there being a first relatively large recess at one side of the port, a smaller recess at the opposite side and an upper and lower recess, the said recesses being defined by integral material of the plug, a check valve assembly including a check valve seat having its face at the said recesses and its inner edge of the same shape and cross sectional area as the end portions of the port, a check valve flap of greater face area than the end portions of the port and having a pintle receiving perforation adjacent one edge, the said check valve flap being adapted to be inserted through one end of the port with one of its ends extending into one of the end recesses, the plug having a threaded bore extending from one of the end recesses and a socket extending from the other end recess into the material of the plug, a pintle having a threaded end fitting in the bore through the pintle receiving perforation of the flap and into the socket, the check valve flap being rotatable on the said pintle to occupy a closed checking position with its face in contact with the check valve seat or when in its open position to seat in the first recess.

2,151,099
TROLLEY WIRE GUARD
James G. Groendyk, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application December 7, 1938, Serial No. 244,377
9 Claims. (Cl. 191—35)

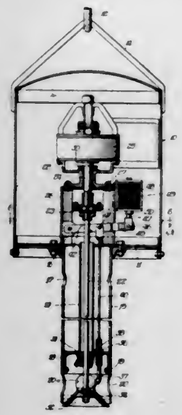
1. A trolley wire guard comprising an elongated

flexible rubber sheet, the internal face thereof being formed with a pair of spaced apart grooves extending longitudinally thereof and dividing said sheet into a central web portion and a pair of



curtain portions, the said web portion being adapted to be horizontally mounted and the said curtain portions being adapted to hingedly depend therefrom.

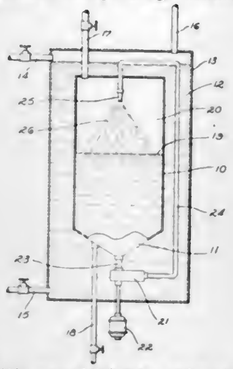
2,151,100
PORTABLE TAR SPRAYING MACHINE
Walter E. Hadley, Gary, Ind.
Application September 25, 1936, Serial No. 102,582
3 Claims. (Cl. 299—63)



1. Portable spraying apparatus adapted to be suspended by a crane or the like and to be hoisted and lowered by said crane comprising a reservoir for containing a quantity of coating material to be sprayed thereby, a spraying device located below the reservoir, a motor for rotating said spraying device, electromagnetic means for controlling the delivery of the coating material from the reservoir to the spraying device, and electrical connections between said electromagnetic means and the crane whereby said electromagnetic means can be energized only when said crane is hoisting the spraying apparatus.

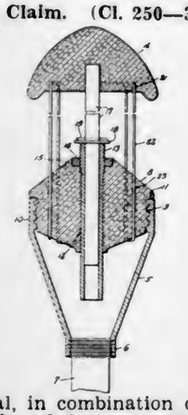
2,151,101
METHOD OF TREATING INGREDIENTS OF A CHEWING GUM BASE AND THE LIKE
George A. Hatherell, Roscoe, Calif., assignor to Frank A. Garbutt, Los Angeles, Calif.
Application January 18, 1937, Serial No. 121,160
11 Claims. (Cl. 99—135)

1. The method of rendering a base ingredient for chewing gum immune to deleterious reactions with flavoring material in the finished chewing gum, said method comprising: treating the base



ingredient with an aldehyde prior to combining the base ingredient with the flavoring material.

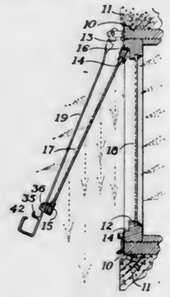
2,151,102
AERIAL
Arthur O. Haukedahl, Mason City, Iowa
Refiled for abandoned application Serial No. 94,868, August 7, 1936. This application April 15, 1938, Serial No. 202,348. Renewed January 27, 1939
1 Claim. (Cl. 250—33)



In an aerial, in combination of a supporting post having threaded at one end a substantially frustro-conical attachment element having at its forward end an internally threaded cylindrical section adapted to thread onto the threaded end of the supporting post and at its largest end an internally threaded cylindrical section, an insulator member having its upper center dropping off toward its lower edges, said insulator body sections screw-threaded within the last-named end of the attaching member, said insulator having an axial bore therein, a tubular member in said bore screw-threaded at its upper end, a nut in the upper end of the said insulator screw-threaded on said tubular member adjustably securing said member in said insulator, a rod slidable in said tubular member, means for adjustably securing said rod at predetermined axial position in said tubular member comprising a pin extending through spaced apertures in said rod abutting a washer disposed on the upper end of the said tubular end, a second umbrella type insulator supported on one end of said rod, said insulators respectively provided with openings therethrough and having their respective ends opening through

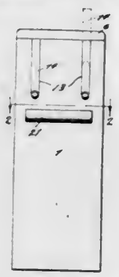
the surface, an aerial wire extending between said insulators and threaded through the openings in the insulators.

2,151,103
DUAL WINDOW STRUCTURE
Robert Hayne, Indian Hill, Ohio
Application February 19, 1938, Serial No. 191,526
8 Claims. (Cl. 20—53)



8. In combination a double window comprising a frame, a pair of nestable sashes, window lights in said sashes, the outer window light at least being transparent, and cooperating means to selectively suspend the sashes at predetermined angles whereby outside light may be deflected substantially vertically downward from either of the window lights.

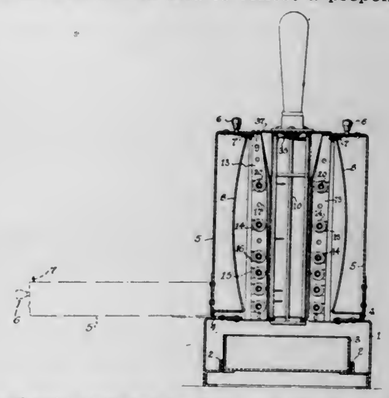
2,151,104
BEVERAGE DISPENSING DEVICE
Charles H. Heitman, Jeffersonville, N. Y.
Application October 8, 1937, Serial No. 167,998
6 Claims. (Cl. 62—89)



1. A liquid dispensing apparatus of the class described, comprising an enclosure having several compartments, at least one of which is exposed to room temperature and is designed for the dispensation of liquid directly therefrom, and the others of which compartments are insulated against heat-exchange from the surrounding atmosphere and from said exposed compartment or compartments, and a refrigerating means in heat-exchanging relation with one or more of said other compartments.

2,151,105
ELECTRIC GRILL
Robert F. Hendershot, Arlington, and Edward R. Hughes, Morristown, N. J.
Application July 6, 1936, Serial No. 89,012
1 Claim. (Cl. 219—19)

In a broiler, in combination, two heating elements disposed generally vertically in co-operative relation to simultaneously radiate heat toward the opposite sides of an article to be cooked and each adapted to generate a greater amount of heat at the lower portion thereof than at the upper portion, and reflecting means in operative relation to said heating elements to receive radiated heat therefrom and to reflect a preponder-



ance of said radiated heat toward the bottom of the article to be cooked, said reflecting means extending for a substantial distance above the upper limits of said heating elements and said heating elements extending from said upper limits downwardly to limits near the bottom limits of said reflecting means.

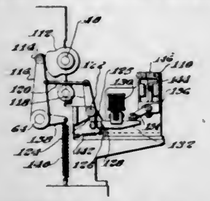
2,151,106
PRODUCTION OF HIGHER MOLECULAR ALCOHOLS
Winfrid Hentrich, Dusseldorf-Reisholz, and Carl Albert Lainau and Wilhelm Jakob Kaiser, Dusseldorf, Germany; Adolf Bartholomaus, administrator of said Carl Albert Lainau, deceased, assignors to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany
No Drawing. Application February 23, 1937, Serial No. 127,168. In Germany February 17, 1936
5 Claims. (Cl. 260—451)

1. The process of producing higher molecular alcohols from synthetically prepared raw materials which comprises reacting carbon monoxide and hydrogen to produce hydrocarbons, subjecting a fraction of said hydrocarbons containing 8 or more carbon atoms in the molecule to oxidation conditions adapted to produce oxidation products consisting primarily of acid oxidation products of said hydrocarbons, reducing the oxidation products thereby forming higher molecular alcohols having about 8 or more carbon atoms.

2,151,107
WEIGHING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 16, 1936, Serial No. 90,907
5 Claims. (Cl. 249—63)

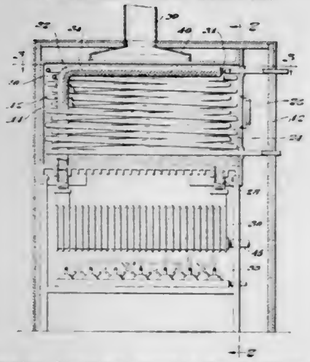
1. In a multiple unit weighing machine, in combination, a plurality of units, each comprising a scale and a vibratory conduit for feeding material to said scale, controlling means for controlling the amplitude of vibration for each individual conduit and a master controlling element adapted to increase or decrease the amplitude of vibration of all of the conduits simul-

taneously including means for maintaining the amplitude of vibration of the remaining conduits



substantially constant when the amplitude of vibration of an individual conduit is changed.

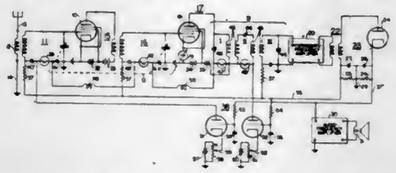
2,151,108
WATER HEATING APPARATUS
Albert B. Hultgren, East Milton, Mass.
Application January 18, 1937, Serial No. 121,086
3 Claims. (Cl. 122—33)



2. A water heating apparatus having, in combination, a coil chamber adapted to be partly filled with water, a coil positioned in said chamber to be partly immersed in said water and through which water to be heated is circulated, a heating chamber positioned below said coil chamber and adapted to be filled with water, a connecting passageway between the lower portion of said coil chamber and said heating chamber to provide for flow of water from said coil chamber into said heating chamber, a conduit leading from the upper portion of said heating chamber into the upper portion of said coil chamber to deliver steam from said heating chamber into said coil chamber, said conduit being provided with means for distributing said steam throughout the upper portion of said coil chamber and for directing streams of said steam against said coil.

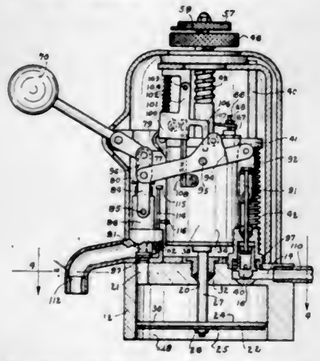
2,151,109
FREQUENCY SELECTOR SYSTEM
Joseph L. Hurff, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 21, 1936, Serial No. 91,667
3 Claims. (Cl. 250—20)

1. In a superheterodyne radio receiver including at least one resonant circuit tunable over a range of frequencies to select a desired signal carrier, a tunable frequency changer and at least one resonant circuit permanently tuned to the intermediate frequency, an electric circuit arrangement for controlling the frequency transmission band width of said circuits comprising an element connected in each of said resonant circuits having resistance variable with temperature to vary the width of the frequency band passed by the associated circuit and means for adjusting the temperature of said elements, said resistance elements of said tunable and tuned



circuits being proportioned and the resistances thereof being adjusted by said adjusting means to cause approximately equal variation of the effective band width of the individual tunable and tuned circuits.

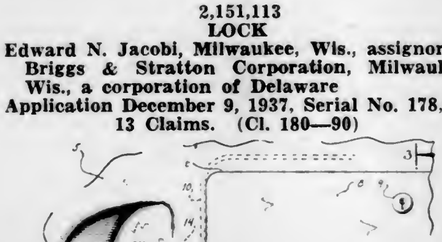
2,151,110
BEER DISPENSING DEVICE
Thomas A. Hutsell, Seattle, Wash.
Application May 5, 1938, Serial No. 206,245
12 Claims. (Cl. 225—7)



1. In a beer dispensing device the combination of, a metering chamber adapted to be formed of a molded plastic; a reciprocable piston disposed within said chamber, said piston adapted to be depressed by controlled fluid pressure; compression springs disposed to resist said fluid pressure and to raise said piston when said fluid pressure ceases to act upon said piston; a spring-closed intake valve for said metering chamber; a spring-closed dispensing valve for said metering chamber; operating means for opening said dispensing valve; means for holding said intake valve open and means controlled by the operating means for releasing the holding means whereby the intake valve is closed before the dispensing valve is opened.

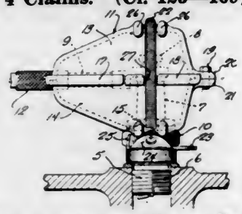
2,151,111
ROLL PICKER
William B. Jackson, Monroe, Ga.
Application December 23, 1937, Serial No. 181,408
3 Claims. (Cl. 15—3)

1. In a device of the character described, a handle equipped barrel, an elongated needle extending longitudinally of the barrel and having a working end disposed exteriorly of the barrel and a second end connected to means for rotating the needle, an ejector member slidable on said needle longitudinally of the latter, means engaged with the ejector member normally urging the latter to a retracted position relative to the exposed end of said needle, and said ejector member having a head fitting snugly about the needle for engaging



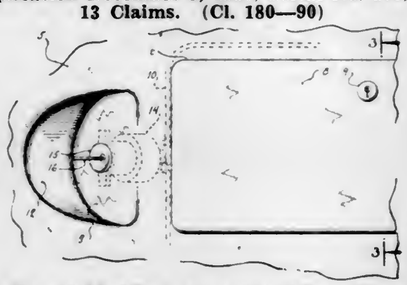
and forcing accumulation of work off the working end of the needle.

2,151,112
SPARK PLUG SHIELD
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 8, 1937, Serial No. 119,543
4 Claims. (Cl. 123—169)



1. A shield to prevent the radiation of electrical energy from a spark plug which comprises: a casing formed of complementary sections identical in shape and construction with the exception that one of the sections has a hole through which the spark plug enters the casing; interengaging flanges on the meeting edges of the sections to hold the same against relative lateral displacement; and a coil spring having its ends anchored to the spark plug and its medial portion extending over the casing in a plane substantially parallel to the axis of the plug for holding the casing in place on the plug.

2,151,113
LOCK
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 9, 1937, Serial No. 178,953
13 Claims. (Cl. 180—90)

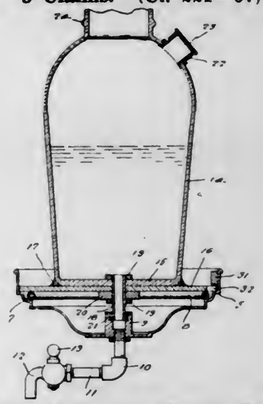


1. In combination: an automobile instrument panel; a glove compartment behind the panel having a hole in one of its side walls; a lock switch having a set of movable contacts, and terminals; a key controlled cylinder lock for actuating the movable contacts into engagement with said terminals; a recess in the instrument panel having an inclined wall upon which the lock switch is mounted so that its axis points toward the glove compartment to dispose its terminals adjacent to the hole in the side wall of the glove compartment to be accessible from the inside of the compartment; said recess being deepenough to position the key inwardly of the general plane of the panel.

2,151,114
SULPHURIZED INDOPHENOL DYESTUFFS AND PROCESS OF PRODUCING THE SAME
Alfred J. Johnson, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 27, 1936, Serial No. 107,825
6 Claims. (Cl. 260—133)

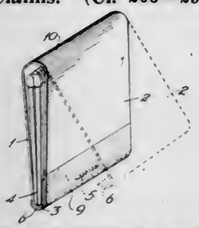
1. The sulphur dyestuff identical with that which is obtainable by thionating the leuco indophenol from a p-aminophenol and a 1-para-alkoxy - phenyl - amino - naphthalene sulphonic acid in which the sulphonic acid group is in one of the positions -6, -7 and -8 and in which alkoxy contains 1 to 4 carbons, said thionation being effected by heating the leuco indophenol in a solution made by mixing the crystals of an alkali metal sulphide, a lower alkyl ether of ethylene glycol and sulphur, but which solution is free from compounds of heavy metals, said dyestuff giving yellowish green dyeings on cotton.

2,151,115
DISPENSING DEVICE
Harry H. Johnson, Boston, Mass.
Application February 4, 1938, Serial No. 188,775
3 Claims. (Cl. 221—67)



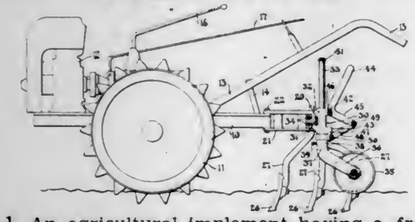
1. A device of the class described comprising a base of substantially cup-shape, a tubular part extending upwardly from the center of the base, an outlet pipe having its upper end connected with the lower end of the tubular member, a control valve in the outlet pipe, a container having a base seated in an intermediate part of the first-mentioned base, a tubular member carried by the bottom of the container and passing through said bottom and having its lower end extending into the tubular member of the first-mentioned base, and latching means for latching the base of the container in the first-mentioned base, said latching means being moved to inoperative and operative position by partial turning movement of the container and its base in the first-mentioned base.

2,151,116
MATCH HOLDER
Wilbur C. Jones, Washington, D. C.
Application May 20, 1935, Serial No. 22,460
Renewed September 10, 1938
2 Claims. (Cl. 206—29)



1. A match-book comprising a match-card consisting of a stub and attached matches, and a cover folded over the ends of the matches with substantially flat sides and flexible in the fold-over portion which has one end attached to the stub and forming the bound end of the match-book and has the other end of substantially the width of the match-book and curved to form an integral stiff catch engaging the bound end and held in engagement by the elasticity of the cover at the fold.

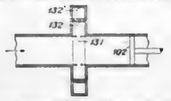
2,151,117
TOOL LIFT FOR CULTIVATORS
Lionel J. Kepler, Dayton, Ohio
Application April 8, 1937, Serial No. 135,662
10 Claims. (Cl. 97—48)



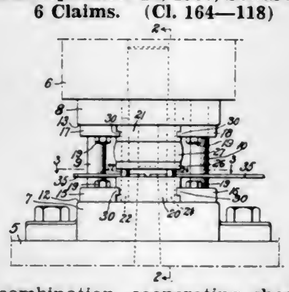
1. An agricultural implement having a frame portion movable upwardly and downwardly with respect to the ground comprising means mounting a tool on said frame for movement upwardly from operative to inoperative position, in combination with mechanism carried by said frame for supporting said tool in either operative or inoperative position with reference to the ground, said mechanism including a lift wheel slidably mounted on said frame, toggle means connected to said tool mounting means and lift wheel rendered operable under the influence of gravity to support the tool in inoperative position upon the elevation of said frame portion, and means for breaking said toggle whereupon said tool is restored to operative position under the influence of gravity.

2,151,118
TERMINATION FOR DIELECTRIC GUIDES
Archie P. King and Arnold E. Bowen, Red Bank, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1936, Serial No. 62,616
10 Claims. (Cl. 178—44)

4. The method of absorbing and dissipating the energy of a system of electromagnetic waves received in a dielectric guide which consists in reflecting the received waves to set up a standing wave system and absorbing their energy in a resistance element suitably placed along the length of said standing wave system, the placing and the resistance of said element being so correlated that the energy of said waves is substantially completely dissipated.

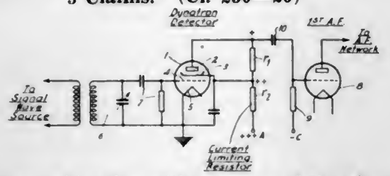


2,151,119
DIE SET
Walter Kiwi, Philadelphia, Pa.
Application September 14, 1937, Serial No. 163,722
6 Claims. (Cl. 164—118)



6. In combination, cooperating shoe members adapted for mounting in a punch press, said members having parallel faces movable to and from each other, a pair of cooperating die members, pins secured upon one of said die members and slidably mounted upon the opposite die member and forming the die members into a portable unit, guide plates, means securing the guide plates upon the shoe members, said guide plates arranged for slidably mounting the die unit for movement parallel with said faces, a stripper plate slidably mounted upon said pins, and said pins symmetrically arranged to form guides for directing a strip of material between the pins to be operated upon by the die members.

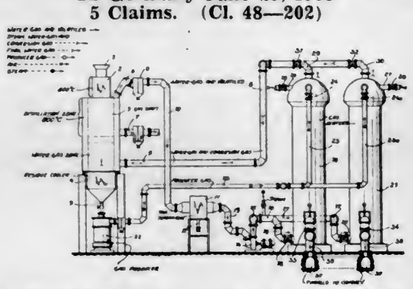
2,151,120
AUTOMATIC FADING CONTROL CIRCUIT
Fritz Klutke, Berlin, Germany, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany
Application May 15, 1936, Serial No. 79,878
In Germany October 11, 1935
3 Claims. (Cl. 250—20)



3. In combination with a source of signal modulated carrier waves and an audio utilization network, a detector tube of the type which includes a cathode, a signal input electrode and an output electrode, and an additional electrode which is at a positive potential with respect to the output electrode and imparts a negative resistance characteristic to the output electrode circuit of the detector tube, a signal input circuit coupling the carrier wave source solely to the input electrode and cathode of the detector tube, and means coupling solely the said output electrode and cathode of the detector tube to the audio utilization network, and said detector input circuit including

means, responsive to an increase in carrier wave amplitude, for reducing the magnitude of said negative resistance.

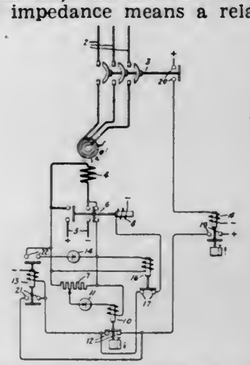
2,151,121
PRODUCTION OF WATER GAS
Heinrich Koppers, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application June 25, 1936, Serial No. 87,300
In Germany June 29, 1935
5 Claims. (Cl. 48—202)



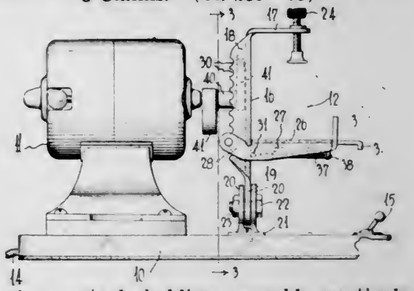
1. Process for the production of water gas, containing hydrogen and carbon monoxide in ratio of 2:1 from bituminous fuels while supplying the heat required for the water gas reaction from outside into the fuel, comprising: distilling the bituminous fuel to be treated in an upper distillation zone of a fuel bed with hot water-gas to recover hydrocarbons from said fuel; withdrawing the distillate gas in mixture with the water gas from the distillation zone and converting with steam at high temperature the gaseous fluids resulting from the distillation of the fuel to form hydrogen and carbon monoxide from the hydrocarbons thereof; passing the conversion gases through the distilled fuel in a lower contiguous water-gas zone of the fuel bed along with steam and reacting the distilled fuel and steam at high temperature in the water-gas zone to form water gas in the presence of the conversion gas therein; splitting the stream of water gas and passing a part thereof from the water-gas zone through the fuel in the upper distillation zone and effecting the aforesaid distillation of fuel therewith, and withdrawing the remaining portion of the split stream of water gas in advance of the distillation zone from the water-gas zone itself to a point of use outside the system; and regulating the temperatures for the water-gas reaction in the lower water-gas zone and controlling the time interval for reaction of the fuel therein with the conversion gas and steam therein by removing such quantity of fuel ungasified from the lower water-gas zone per unit of time that CO is formed therein in ratio to H as to produce in the mixture of converted distillate gas and water gas withdrawn from the water-gas zone itself as aforesaid, hydrogen and carbon monoxide in ratio of 2:1 as a result of control of temperature and time of reaction of the conversion gas with the fuel in the lower water-gas zone.

2,151,122
SYNCHRONOUS MACHINE CONTROL SYSTEM
Arthur H. Lauder and Fred H. Winter, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application January 29, 1937, Serial No. 122,936
9 Claims. (Cl. 172—289)

1. In combination, a synchronous machine having an armature winding and a field winding, impedance means connected in series with said field winding, means for supplying alternating current to said armature winding, unidirectional current conducting means, and means for completing around said impedance means a relatively low impedance shunt circuit including said unidirectional current conducting means during that portion of the cycle of induced field current when that current is in such a direction as not to flow through the unidirectional current conducting means.



2,151,123
MIXING APPARATUS
Jacob A. Lavine, Chicago, Ill.
Application April 26, 1938, Serial No. 204,434
3 Claims. (Cl. 259—75)

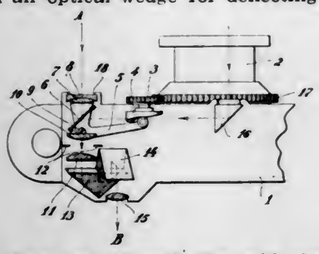


1. A receptacle-holding assembly particularly adapted for use in mixing apparatus of the class wherein a receptacle is oscillated from a source of rotary motive power through the medium of means for converting said rotary power into oscillatory movement, said assembly comprising a wall, a top and a platform defining a receptacle receiving space, means for adjustably pivotally associating said platform with said wall, said means including a series of lug-receiving dentations on said wall and a pair of lugs on said platform arranged in said dentations, and means on said platform for preventing relative downward pivotal movement of said platform beyond horizontal position, said lugs being dissociable from said dentations and displaceable relative thereto upon upward pivotal movement of said platform.

2,151,124
COMBINED RANGE FINDER AND VIEW FINDER
Ludwig Leitz, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application September 2, 1936, Serial No. 99,033
In Germany September 5, 1935
1 Claim. (Cl. 95—44)

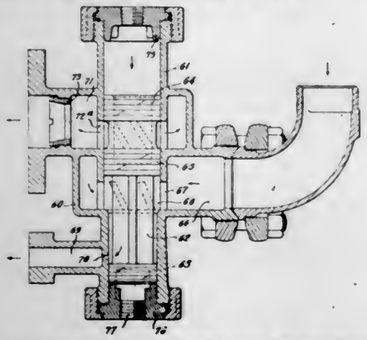
In a photographic camera in combination with

an objective, an image erecting terrestrial prism view finder and a basis range finder including separate light admitting openings for said finders and an eye opening common to both finders, the view finder comprising an objective lens system and an ocular lens system including an image erecting prism system, a field mask between said objective and ocular systems for framing the field of view, the objective lens system including a fixed negative lens and a movable positive lens with similar radii of curvature adapted to form an optical wedge for deflecting the in-



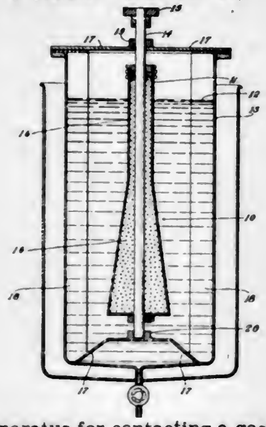
coming light ray through the said view finder opening, the basis range finder including a fixed prism for deflecting the incoming light ray through the range finder opening, a fixed semi-transparent mirror in the optical axis of the view finder for combining the light rays through the said light admitting openings, a movable support for the said movable lens, said movable support being movable about a pivot in and perpendicular to the optical axis of the view finder and means engaging said movable support to move the same and the movable lens thereon when the camera objective is being focused.

2,151,125
BOILER FEEDING APPARATUS
Dartrey Lewis, Boston, Mass., assignor, by mesne assignments, to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application May 17, 1937, Serial No. 143,131
6 Claims. (Cl. 122—442)



1. Automatic valve means for determining the alternative admission of live or exhaust steam to a water heater forming part of a locomotive boiler feed system which includes a steam driven pump having a steam supply conduit and which also includes an exhaust steam conduit having therein a motor actuated control-valve, characterized in having a casing provided with a chamber and a differential piston-valve sliding in said chamber, said valve including a stem and spaced heads of relatively different diameters fixedly secured to opposite ends of the stem, the casing having an inlet for pump-actuating steam always communicating with the space between said heads and also having two spaced delivery orifices so related to the heads of the piston valve that when one orifice is open the other is closed, said orifices, when open, being operative respectively to admit steam from the casing to the heater and to the exhaust control-valve motor respectively, and means operative to admit engine operating steam to act upon the outer face of the larger head of the differential piston only when the engine is running, thereby to move the piston valve into one end of said chamber.

2,151,126
AERATION APPARATUS
James Lockey, Great Burgh, Epsom, England, assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application July 24, 1936, Serial No. 92,354
In Great Britain August 23, 1935
6 Claims. (Cl. 261—93)

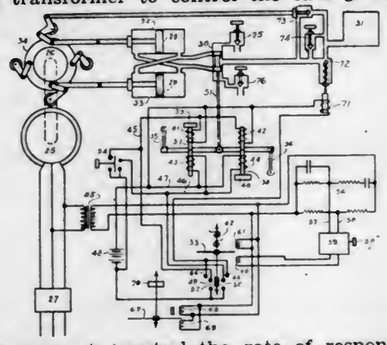


1. An apparatus for contacting a gasiform fluid with a liquid comprising in combination a reaction vessel containing a reaction mass, baffles to aid in agitating said mass and a partially submerged rotatable chamber having a film-forming upwardly converging frusto-conical portion positioned in said vessel adapted to admit a gasiform fluid in its unsubmerged portion and to expel said gasiform fluid throughout its submerged portion to form a film-like pad of the gasiform fluid on the outside surface of said frusto-conical portion substantially to eliminate friction of said mass with said chamber and uniformly to disperse said fluid throughout said reaction mass.

2,151,127
ELECTRICAL CONTROL
James T. Logan, Olan Richardson, and Robert J. Cooper, Atlanta, and Jake U. Benziger, Smyrna, Ga., assignors of one-third to Southern States Equipment Co., Birmingham, Ala.
Application February 27, 1936, Serial No. 66,020
9 Claims. (Cl. 290—40)

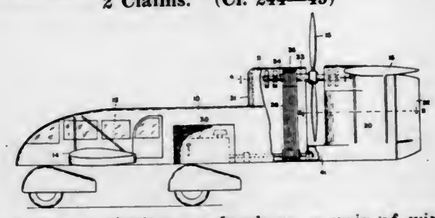
1. A frequency control system which includes an electrical generator, a governor to control the speed of the generator, a frequency responsive network energized in coordination with the frequency of the generated power, a transformer connected with the network and operable to change the polarity of its output circuit in coordination with variations of the generator frequency above and below its normal frequency.

means controlled by the output circuit of the said transformer to control the said governor,



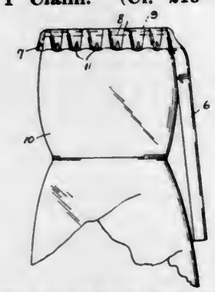
and means to control the rate of response of the governor.

2,151,128
AIRPLANE
William E. Looney, Detroit, Mich.
Application January 8, 1937, Serial No. 119,565
2 Claims. (Cl. 244—45)



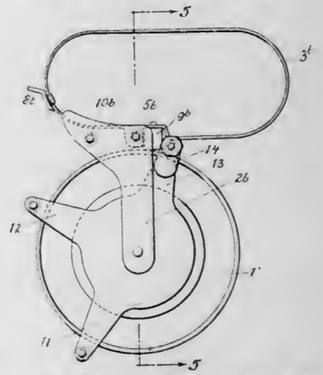
2. In an airplane, a fuselage, a pair of wings carried by the fuselage in substantial tandem arrangement, ailerons appurtenant each wing and on opposite sides of the fuselage, operating means for the ailerons comprising means connecting the same for simultaneous and parallel movement, said connecting means having separately movable portions for moving the ailerons upon opposite sides of the fuselage in opposite directions, and independent means for moving the ailerons of one wing without affecting those of the other.

2,151,129
BOTTLE CAP
Robert Alexander Markle, Baltimore, Md.
Application April 14, 1936, Serial No. 74,346
1 Claim. (Cl. 215—46)



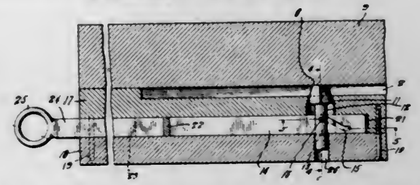
A bottle cap comprising a circular head portion and a tail portion extending therefrom, said tail portion being corrugated and said corrugations being arranged with the surfaces of the corrugations compressed flatly against each other and with the outer longitudinal side edges of the tail portion extending forwardly, the edges of the corrugations adjacent the bottle being rounded to present a smooth gripping surface for the fingers of the user.

2,151,130
TAPE REEL
Nils Salomon Albert Mattsson and Karl Erik Dahlqvist, Kvitsleby, Sweden
Application January 8, 1936, Serial No. 58,042
In Sweden January 10, 1935
1 Claim. (Cl. 242—84.9)



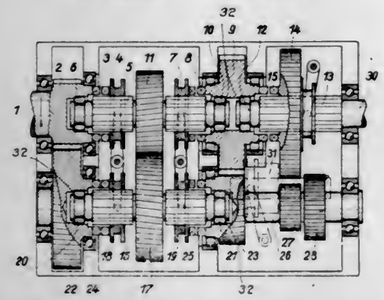
A tape-reel, comprising a handle, a frame, said handle being pivotally mounted upon said frame and being rotatable relatively thereto, braking means firmly connected with said handle, a reel having means engaged by said braking means when said handle is tilted into a braking position, an arm rotatable relatively to said reel, means rotatably supporting said reel and said arm in said frame, a spring, means securing one end of said spring to said reel, and means connecting the other end of said spring to said arm, the movement of said arm being limited by said frame, said handle resting against said arm during the unrolling of the tape, whereby said handle is prevented from moving into the braking position by the increased tension of said spring.

2,151,131
CASTING APPARATUS
Henry E. McWane, Lynchburg, Va.
Application October 15, 1934, Serial No. 748,406
3 Claims. (Cl. 22—136)



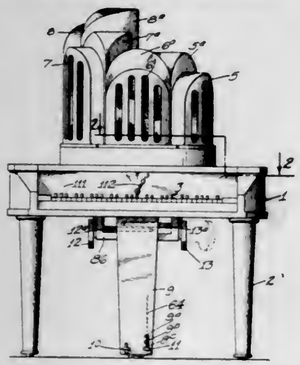
1. A casting apparatus comprising a mold, a channel communicating with the mold cavity, a core slidable in the channel and adapted to extend therefrom into the mold cavity, a tapered seat for the core in said channel to determine the position of the core in the cavity, an arm reciprocable at right angles to the channel and provided with a cammed slot, a pin extending from the core through said slot, and means to reciprocate the arm to thereby slide the core in the channel.

2,151,132
CHANGE SPEED GEAR
Gustav Meyer, Friedrichshafen-on-the-Bodensee, Germany, assignor to Maybach-Motorenbau Gesellschaft mit beschrankter Haftung, Friedrichshafen-on-the-Bodensee, Germany, a corporation of Germany
Application May 6, 1936, Serial No. 78,243
In Germany May 16, 1935
14 Claims. (Cl. 74—359)



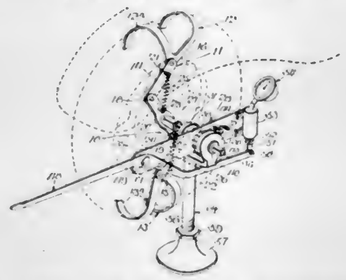
1. In a change speed gear: a mainshaft train of more than two parts, a layshaft train, roller bearings between the parts of said trains, said bearings being capable of transmitting axial thrusts corresponding to compression of the train parts, but not thrusts in the reverse direction, a thrust-absorbing bearing at each end of each train, dog clutches for coupling together the parts of said trains, and a pair of obliquely toothed gear wheels in constant mesh, one of said wheels being mounted on an intermediate part of the mainshaft train and the other in the layshaft train, the teeth of said gear wheels being so directed that when the wheels are rotating in their normal directions and the mainshaft wheel is the driving wheel the thrust of the said wheel is directed towards the end of the mainshaft train intended to receive the normal driving torque.

2,151,133
PIANO-MANDOLIN
Stanislaw Michniewicz, Los Angeles, Calif.
Application November 28, 1936, Serial No. 113,231
19 Claims. (Cl. 84—258)



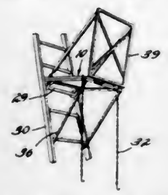
1. In a musical instrument of the class described, a frame, a string picking means revolubly mounted thereon, means for revolving the same, a multiplicity of movable spring supporting bars carrying separate musical strings, the strings being arranged substantially in a circle in juxtaposition relative to the picking means, and means for positively shifting predetermined bars and thereby their respective strings into the path of the revolving picking means.

2,151,134
BRAKE TESTING DEVICE
Henry Walter Mitchell, Chicago, Ill., assignor to Emil A. Stromberg, Chicago, Ill.
Application February 17, 1936, Serial No. 64,216
6 Claims. (Cl. 265—1)



6. A brake testing device comprising link means adapted to be removably attached to an automobile wheel and having a main link thereof disposed diametrically of the wheel, actuating means adapted to be attached to said main link for rotating the same to cause said link means to increasingly grip the wheel and to rotate the wheel against the action of its brake, means supporting said actuating means, and means to measure the torque thus applied.

2,151,135
LADDER PLATFORM
Enoch J. Moberg, Evanston, Ill.
Application July 31, 1937, Serial No. 156,765
2 Claims. (Cl. 304—10)

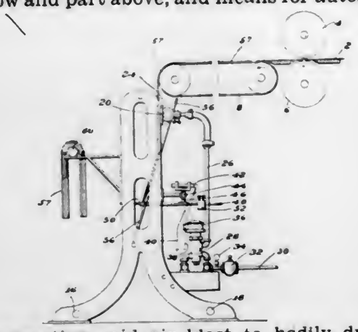


1. A device as described, comprising a rectangular frame, a pair of clamp members extending from an edge thereof adapted to be clamped to a rung of a ladder, a platform on said frame, and supporting means secured adjacent an edge opposite to said first mentioned edge, said means including brace members having securing chains attached to the free ends thereof, said chains adapted to be secured to a rung of said ladder.

2,151,136
AUTOMATIC DOFFER
Samuel A. Moffitt, Danville, Va., assignor to Robert L. Sjostrom, Lawrence, Mass.
Application January 21, 1938, Serial No. 186,111
13 Claims. (Cl. 164—68)

1. An automatic doffer comprising a conveyor, an air blast mechanism positioned in relation to said conveyor whereby a textile unit may be brought by said conveyor to a position adjacent

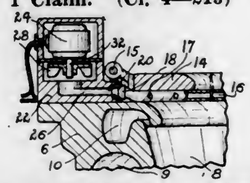
said mechanism with part of the area of said unit below and part above, and means for automatically operating said air blast to bodily drive said unit to a selected position.



2,151,137
N-BUTYL MONOCHLOR-RESORCINOL
Eugene Moness, Long Island City, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 15, 1934, Serial No. 744,173
3 Claims. (Cl. 260—623)

1. n-Butyl monochloro resorcinol.

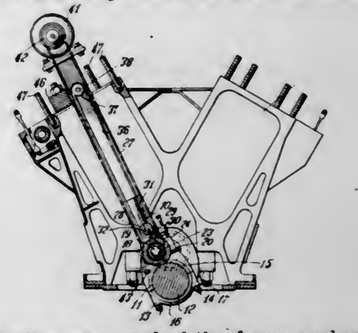
2,151,138
VENTILATING ATTACHMENT FOR TOILETS
Earl S. Morris, Seattle, Wash.
Application February 17, 1937, Serial No. 126,270
1 Claim. (Cl. 4—213)



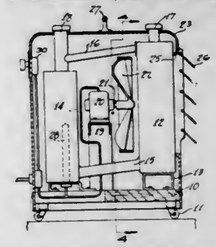
A toilet ventilating apparatus adapted for use with a bowl and its pivoted seat spaced thereabove comprising a tubular ventilator having intake ports and mounted on the seat between said seat and bowl, resilient means for holding the ventilator out of contact with the bowl, a conical discharge head for the ventilator, a base block on the bowl and having an impeller chamber, an outlet duct and an inlet duct for said chamber through said block, a conical nipple at one end of the inlet duct forming a socket for said head, an impeller in said chamber, an electric motor for said impeller, an operating circuit for the motor, and a switch in said circuit controlled by the position of said seat.

2,151,139
CRANK THROW GRINDING DEVICE
John P. Morris, La Grange, Ill.
Application December 24, 1937, Serial No. 181,650
7 Claims. (Cl. 51—241)

4. A device of the character described comprising an elongated frame adapted to be inserted through the top of the cylinder of a multi-cylinder engine, the lower end thereof being provided with a crank-shaft throw encircling and frame positioning portion; a vertically adjustable spindle carrying block secured to the frame above said encircling portion, said block being provided with a laterally disposed spindle; a vertically disposed grinding wheel rotatably and slidably mounted on the spindle; and power means disposed at the upper end of the frame and operatively connected with the grinding wheel for rotating the latter.



2,151,140
HEATING UNIT
Joseph Novak, Roy, Wash.
Application February 15, 1938, Serial No. 190,617
1 Claim. (Cl. 219—39)



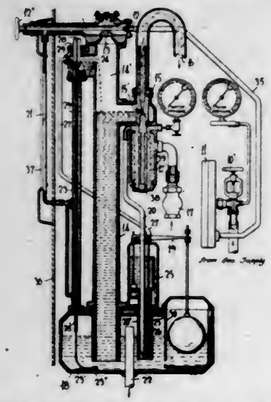
A heating unit of the class described characterized by having a rectangular base, a water cored radiator disposed along one side of said base, an upright water storage tank disposed along the opposite side of said base and connected to said radiator, means for heating the water in said tank, a fan disposed between said radiator and tank, a louver casing mounted on said base surrounding said radiator fan and tank and a handle on the top of said case between said radiator and tank.

2,151,141
GAME DEVICE
Michael Ombrello, New York, N. Y.
Application August 18, 1938, Serial No. 225,645
1 Claim. (Cl. 273—97)



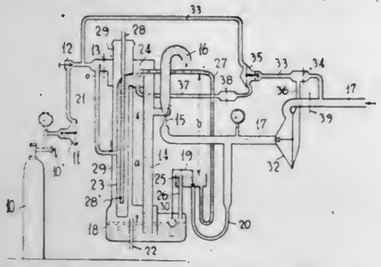
As a component part of a game device of the class described, a flexible suspension cord, a target comprising a main ring having an eye formed on its outer peripheral edge, said cord being attached at one end to said eye, an auxiliary ring arranged eccentrically within the limits of the main ring and in a plane therewith, said auxiliary ring having an attaching stem connected to the inner peripheral edge of said main ring at a point diametrically opposite to said eye.

2,151,142
CHLORINATOR
Howard J. Pardee, New York, N. Y.
Application March 23, 1936, Serial No. 70,517
14 Claims. (Cl. 210—28)



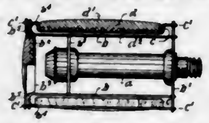
1. In a chlorinator, a source of supply of gas under pressure, a solution device, means for conveying gas from the former to the latter, said means including a variable orifice and a calibrated meter orifice arranged in series in the order named, means including a pressure-reducing valve interposed between said source of supply and said variable orifice for maintaining the pressure on the inlet of said variable orifice substantially constant, and means for maintaining the pressure on the discharge side of said meter orifice substantially constant and at a magnitude less than the pressure on the inlet of said variable orifice.

2,151,143
CONTROL MEANS FOR CHLORINATORS
Howard J. Pardee, New York, N. Y.
Application September 2, 1936, Serial No. 99,137
13 Claims. (Cl. 210—28)



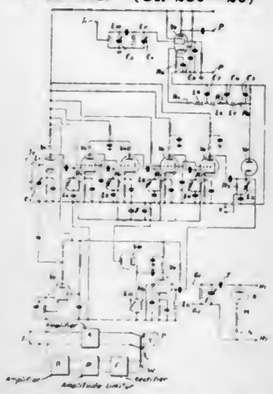
1. In a chlorinator, a source of supply of gas under pressure, a solution device, means for conveying gas from the former to the latter, said means including a meter orifice, means for controlling the flow of gas through said meter orifice, a source of supply of water, conduit means for conveying a main flow of water from the latter to said solution device, a diaphragm valve interposed in said last-named conduit means, a minor flow conduit extending from said main flow conduit means to a point posterior to said meter orifice, said minor flow conduit comprising an orifice, means for regulating the flow through said last-named orifice in such manner that it is substantially proportional to the flow through the meter orifice, and means for maintaining the main flow of water through said diaphragm valve substantially proportional to the said proportional minor flow.

2,151,144
PEDAL OF FOOT-PROPELLED BICYCLES
Robert John Penny, Seacliff, South Australia, and Horace James Worthington, Beulah Park, South Australia, Australia
Application January 2, 1937, Serial No. 118,714
1 Claim. (Cl. 88—81)



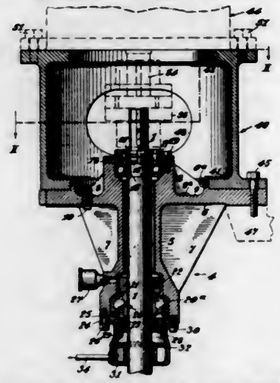
A bicycle pedal, comprising a pedal spindle, two transverse frame bars mounted rotatably on said spindle adjacent the ends thereof, the bar at the inner end of the spindle having a length greater than that of the bar at the outer spindle end, two longitudinal frame bars parallel to said spindle and being secured to said inner transverse bar at points short of the ends of the latter and to the extremities of said outer transverse bar, said longitudinal bars projecting outwardly beyond said outer transverse bar and spindle end and terminating in transversely and outwardly bent flanges to form casings with the projecting ends of said inner transverse bar, a container for a translucent reflecting panel mounted in each of said casings, and a similar transverse container of smaller size mounted in between the portions of said longitudinal bars projecting beyond the spindle end and secured to said transverse end flanges.

2,151,145
REDUCTION OF INTERFERENCE IN ELECTRIC SIGNAL TRANSMISSION SYSTEMS
William Spencer Percival, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 11, 1937, Serial No. 119,990
In Great Britain November 8, 1935
3 Claims. (Cl. 250—20)



1. In combination with a signal receiver having at least one tube provided with a tuned signal input circuit, a control network adapted to reduce the signal transmission efficiency of said receiver during the reception of transient interference, said control network comprising a rectifier having a resonant input circuit tuned to a radio frequency, means for impressing on said rectifier input circuit transient interference impressed on said signal input circuit, means responsive to the rectifier output for reducing the gain of said receiver tube, said signal input circuit being of relatively high selectivity, said rectifier input circuit having a relatively low selectivity, additional means for minimizing the loss of signal energy which would otherwise result from said gain reduction, the last means comprising a resonant circuit adapted to be coupled to said receiver tube output, the resonant circuit being tuned to the desired signal frequency, a device for normally damping said resonant circuit to prevent sustained oscillations therein, and means responsive to said gain reducing means for rendering the device ineffective thereby to permit said last resonant circuit to produce sustained oscillations of said signal frequency.

2,151,146
MIXING APPARATUS
Clayton H. Petry, New York, N. Y., assignor to The Turbo-Mixer Corporation, New York, N. Y., a corporation of New York
Application November 16, 1935, Serial No. 50,141
11 Claims. (Cl. 64—1)



1. The combination of: a unit embodying an impeller shaft support and a vertical impeller shaft passing through and extending beyond the bottom and top of said support, a driving member supported above said shaft support in substantial axial alignment with said impeller shaft, and a flexible coupling connecting the driving member with the upper end of the impeller shaft, said support having vertically spaced bearings for said impeller shaft, the upper of said bearings restraining the upper end of said shaft against longitudinal movement in either direction relative to said support so that longitudinal stresses set up in the impeller shaft are not communicated to the driving member, the lower of said bearings permitting limited longitudinal movement of part of said shaft.

2,151,147
PROCESS FOR OBTAINING ORGANIC COMPOUNDS FROM THE ACID SLUDGE FROM REFINING OF MINERAL OILS
Waclaw Junosza v. Piotrowski and Jozef Winkler, Drohobycz, Poland
No Drawing. Application October 23, 1937, Serial No. 170,704. In Poland December 2, 1936
4 Claims. (Cl. 196—148)

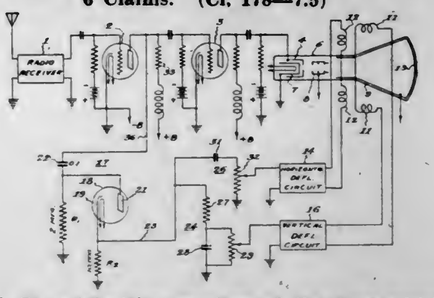
1. A process for obtaining organic compounds from the acid sludge from refining of mineral oils comprising the steps of dissolving the said acid sludge in a mixture of high boiling organic compounds obtained in an earlier stage of the process itself, neutralising the resultant solution with dry powdered lime and then distilling the said neutralised acid sludge together with the inorganic matter formed by the neutralisation, and utilizing a portion of the distillate to dissolve fresh portions of acid sludge in a subsequent stage.

2,151,148
ROOF TILE
Roy A. Plumb, Pleasant Ridge, Mich., assignor to The Truscon Laboratories, a corporation of Michigan
Application March 3, 1938, Serial No. 193,685
16 Claims. (Cl. 72—68)



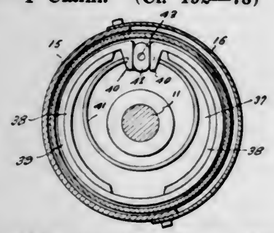
9. A pre-fabricated structural building unit comprising a metal base, metal sides formed upwardly from the said metal base, inturned flanges along the top of the said metal sides, insulation shallower than the said building unit disposed between the said metal sides, a reinforced cementitious topping over the said insulation, and means for making the said insulation water repellant whereby to prevent the absorption of moisture thereby during the setting of the said cementitious material.

2,151,149
TELEVISION APPARATUS
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1935, Serial No. 24,206
6 Claims. (Cl. 178—7.5)



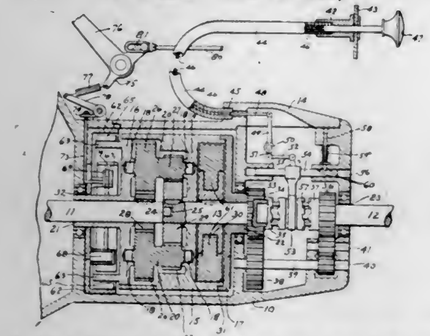
1. In a television receiver of the type which includes a cathode ray tube having deflecting devices for deflecting the cathode ray and of the type having deflecting circuits coupled to said deflecting devices, an electric discharge tube having a cathode and an anode, two resistor elements connected in series between said cathode and said anode, a condenser, means for impressing received picture and synchronizing signals across one of said resistor elements through said condenser with the synchronizing signals in a direction to produce current flow through said discharge tube and means for coupling the other of said resistor elements to at least one of said deflecting circuits, the time constant of the circuit including said resistor being such that said anode is maintained negative with respect to said cathode between successive synchronizing signals.

2,151,150
CLUTCH MECHANISM
August H. Pohlmeyer, Chincoteague, Va.
Application December 4, 1937, Serial No. 178,157
1 Claim. (Cl. 192—78)



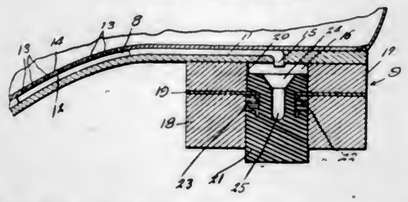
Clutch mechanism for use on one end of a rotatably mounted shaft comprising a cylindrical housing extending over said end of the shaft concentrically thereof, a driven spindle rotatably mounted in the outer end of said housing and on said end of the shaft, whereby said end of the housing is supported on said shaft, a friction drum fast on the inner end of said spindle concentrically of the shaft, a shoe carrier fast on said shaft within said drum and including a pair of arcuate flanges spaced apart circumferentially of said drum, a split ringlike shoe surrounding said flange and having radial ends spaced apart and relatively separable to expand said shoe against said drum, means to tension said shoe against expansion comprising a split ring reactive inwardly and having its opposite ends secured to and bearing against said ends of the shoe, and means to separate said ends of the shoe including a spreader rotatably mounted on said carrier intermediate said ends of the shoe, a spreader rotating lever extending alongside said shaft and movable outwardly thereof, a lever camming sleeve splined on said shaft and endwise movable into a set position to move said lever and retain the same in outwardly moved position, and a lever pivotally mounted on said housing and operatively connected to said sleeve to move the same.

2,151,151
AUTOMATIC GEAR TRANSMISSION
Horacio E. Perez, Valhalla, N. Y.
Application June 5, 1937, Serial No. 146,528
3 Claims. (Cl. 74—260)



1. In a transmission of the type described having a gear casing, a driving shaft and a driven shaft, a stub shaft interposed between the driving shaft and the driven shaft and free to rotate independently of said shafts, a cylindrical drum rotatingly mounted on the driving shaft and the stub shaft, said drum also supported in bearings formed in the gear casing in a fixed position axially, a gear rigidly mounted on the driving shaft, another gear mounted on the end of the stub shaft, said gears connected by a plurality of idlers so proportioned as to impart different speeds to the stub shaft and the driving shaft, the idlers rotatingly mounted in bearings formed in the drum, a rotary member rigidly secured to the stub shaft and rotating in a chamber formed in the rotating drum, a plurality of centrifugal weights slidingly mounted in said rotary member and adapted to engage with the inner circumference of the chamber to frictionally engage the drum and cause it to rotate with the stub shaft, a brake drum formed in the driving shaft end of the drum, brake shoes mounted in the gear casing for engagement with the inside of said brake drum, and means for actuating said brake shoes connected with the brake pedal of the vehicle on which the transmission is used.

2,151,152
FOOTWEAR VENTILATON
Walter A. Riess, Chicago, Ill.
Application August 2, 1937, Serial No. 157,035
1 Claim. (Cl. 36—3)

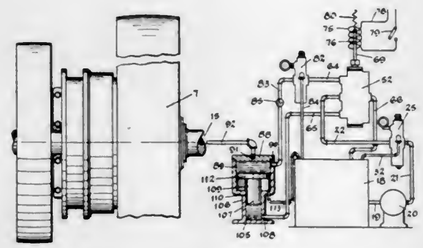


A shoe heel construction comprising superimposed heel sections having vertically arranged aligned bores, with the upper section secured on a shoe upper to close one end of the bore thereof, a rigid plate interposed between said sections and projecting into the bores and having an opening of a diameter smaller than the diameter of said bores to provide a combined guide and stop, a plunger having a slidable fit with said bores and having an annular reduced portion slidable in the opening of the plate and providing spaced shoulders arranged above and below the plate for limiting the sliding movement of the plunger in the bores, a coil spring surrounding the plunger and bearing against the plate and one of the shoulders for normally urging the other shoulder into engagement with the plate and one end of the plunger outwardly of the bore of one of the sections to contact the ground in advance of the latter-named section contacting the ground, and means connecting the bore of the other section to the inside of the shoe upper.

2,151,153
FLUID OPERATED CLUTCH DEVICE
Fredrich J. Rode and Meredith R. Hatch, Toledo, Ohio
Application September 30, 1937, Serial No. 166,522
9 Claims. (Cl. 192—85)

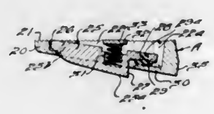
4. A liquid pressure operating means for a liquid pressure operated clutch for connecting a rotative element with another element and including a source of supply of liquid, means connected to the source of supply for producing a liquid pressure less than a predetermined high pressure, a pressure device connected to the clutch and to the low pressure-producing means for maintaini..g a substantially fixed liquid quantity

in the clutch, means for connecting the pressure device to the said source for raising the said



low pressure of said fixed liquid quantity to a higher pressure for operating the clutch.

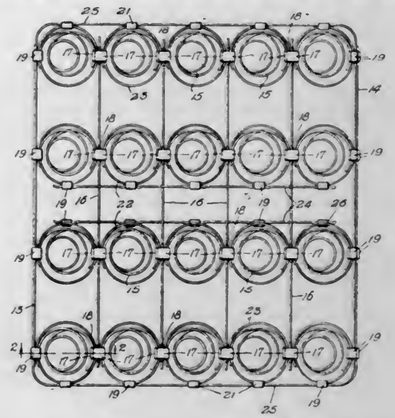
2,151,154
LATCH BOLT AND STRIKER
John H. Roethel, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application September 15, 1937, Serial No. 164,016
2 Claims. (Cl. 292—340)



1. A striker for a door latch comprising a body having a main tapering bolt engaging face, a spring pressed insert member mounted within a slot in said face and having a tapering face normally projecting outwardly from the face of said body and adapted to be depressed to a position substantially flush with the face of the striker body upon engagement of the bolt therewith, said insert member having an extension underlying an outer wall portion of said body and movable within a recess in rear of said wall portion, a second extension underlying another wall portion of said body, laterally extending means on said last extension engaging the underface of the body for pivotally supporting the insert member, a spring for normally maintaining said insert member projected, and means for retaining said spring in position.

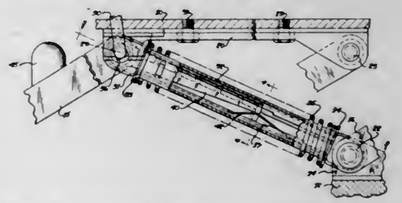
2,151,155
SPRING CUSHION UNIT
Murray J. Rymland, Baltimore, Md.
Application July 3, 1936, Serial No. 88,705
1 Claim. (Cl. 5—259)

A spring cushion structure comprising adjoining wires connected together and clamped against movement by a metal connecting clip therefor, at least one of said wires comprising a coil of a coil spring, said clamped clip being long enough to compress a sufficient length of the coil so as to



prevent slipping and turning solely by the clamping of the wires against each other by said clip.

2,151,156
ADJUSTABLE SEAT SUPPORT
Walter S. Saunders and Thomas A. McGregor, Pontiac, Mich., assignors to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application February 21, 1938, Serial No. 191,660
6 Claims. (Cl. 155—14)



3. An assembly for controlling movement of a device supported for movement in two planes, comprising a pair of guide members slidably interfitted with each other and forming a substantially tubular structure, pivot means for connecting the outer end of one of said members to a support, pivot means for connecting the outer end of the other of said members to a supported object, latching means housed at least partly within said tubular structure for releasably holding said members in any of a plurality of relative positions, spring means encircling said assembly and urging said members in a desired direction with respect to each other, and means extending from said assembly substantially at one end thereof for operating said latching means.

2,151,157
GUIDED ELECTROMAGNETIC WAVE TRANSMISSION
Sergei A. Schelkunoff, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1936, Serial No. 108,575
26 Claims. (Cl. 178—44)

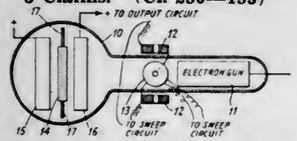
1. An electromagnetic wave guide system comprising a guide and means for terminating the guide in its characteristic impedance, said means

consisting of a plurality of energy absorbing impedances spaced apart along the guide at inter-



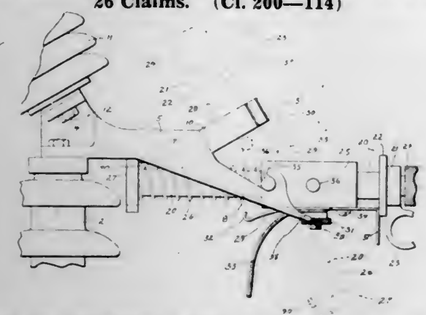
vals simply related to the wave-length of the waves to be propagated.

2,151,158
TELEVISION SCANNER
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 21, 1936, Serial No. 112,013
In Germany November 11, 1935
3 Claims. (Cl. 250—153)



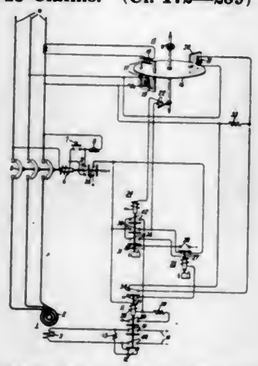
1. In television scanning apparatus, a gas-filled enevelope, means for developing a cathode ray therein, a photoelectric mosaic adapted to form an electric charge image of the optical image to be scanned, an anode positioned adjacent said photoelectric mosaic, means for moving the cathode ray sequentially across said mosaic to neutralize said charge image and to produce thereby secondary emission of a value proportional to said charge image, a second anode for collecting the secondary emission from the photoelectric mosaic, and means for collecting ionic charges developed by the gas in the tube.

2,151,159
VERTICAL DROP-OUT FUSE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 19, 1937, Serial No. 143,474
26 Claims. (Cl. 200—114)



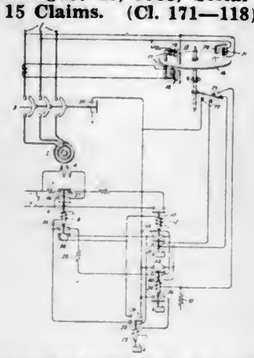
3. In combination with an insulating support having spaced hooked pivot bearings each provided with a stop finger extending horizontally and downwardly from its corresponding bearing and having a terminal above said bearings, a fuse cartridge comprising an expulsion fuse tube provided at one end with a contact engaging said terminal and at the other end with a sleeve having a pair of trunnions mounted in said bearings and a pair of lugs spaced above said trunnions for contact with said fingers, whereby to support said tube in a horizontal position when in open-circuit position.

2,151,160
CONTROL SYSTEM
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application July 16, 1937, Serial No. 153,953
13 Claims. (Cl. 172—289)



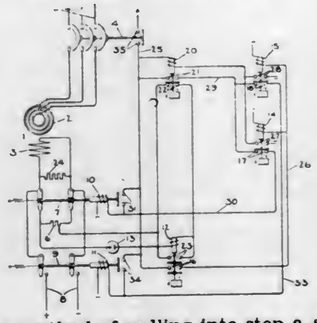
1. In combination, an alternating current supply circuit, a synchronous motor having an armature winding connected to said supply circuit, a field winding for said motor, a source of excitation for said field winding, and means dependent upon the frequency of the current pulsations produced in the motor armature current when the motor is operating at a subsynchronous speed for controlling the connection of said source of excitation to said field winding including means dependent upon the magnitude of the armature current and means for compensating for changes in the magnitude of the armature current by changes in the voltage of said supply circuit.

2,151,161
CONTROL SYSTEM
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application August 18, 1938, Serial No. 225,610
15 Claims. (Cl. 171—118)



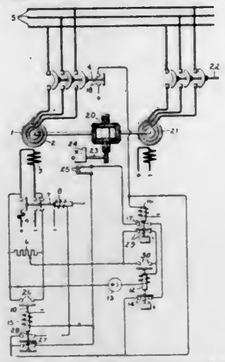
1. A control arrangement for a synchronous machine having an armature winding connected to an alternating current circuit including means for supplying a relatively weak excitation to said field winding, and means responsive to the current pulsations produced in said armature winding due to said weak excitation while said machine is operating at subsynchronous speeds for increasing the excitation applied to said field winding when the motor speed is above a predetermined value.

2,151,162
METHOD OF AND APPARATUS FOR PULLING SYNCHRONOUS MOTORS INTO STEP
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 6, 1935, Serial No. 48,503
Renewed October 19, 1937
22 Claims. (Cl. 172—289)



1. The method of pulling into step a synchronous motor provided with a field winding, which consists in operating the motor with its field winding connected in a closed electric circuit, then decreasing the time constant of said field winding circuit at a predetermined point in the slip cycle, and then supplying direct current to said field winding at a subsequent predetermined point in the slip cycle.

2,151,163
METHOD OF AND APPARATUS FOR PULLING SYNCHRONOUS MACHINES INTO STEP
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 23, 1937, Serial No. 122,036
20 Claims. (Cl. 172—289)



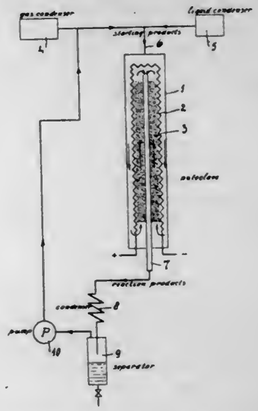
1. The method of pulling into step a synchronous machine that is operating at a subsynchronous speed with its field winding connected in a closed electric circuit including impedance means, which consists in short-circuiting said impedance means at a predetermined point in the slip cycle to pull the machine into step.

2,151,164
TIE HOLDER
Charles Silverman, Providence, R. I.
Application August 12, 1935, Serial No. 35,804
3 Claims. (Cl. 24—49)

1. In a tie holder, a clasp adapted to releasably engage a garment part, an ornament member including two sections having their contiguous ends hingedly connected together, and means connecting the ends of said ornament member to said clasp.



2,151,165
PROCESS OF TREATING CARBON OR CARBONACEOUS COMPOUNDS
Eulampiu-Slatineanu, Oberhausen, Germany, assignor to Gewerkschaft Auguste, Oberhausen, Germany, a company of Germany
Application April 18, 1936, Serial No. 75,250
In Germany April 26, 1935
15 Claims. (Cl. 196—9)



1. The process of producing hydrocarbons from carbonaceous materials, which comprises acting upon such material at an elevated temperature not exceeding 390° C. with a gas mixture, which contains a substantial proportion of methane, under a pressure of at least 500 atmospheres above normal which suffices to cause a polarization of the methane present.

2,151,166
PROCESS OF TREATING CELLULOSIC MATERIAL
Eulampiu Slatineanu, Oberhausen, Germany, assignor to Gewerkschaft Auguste, Oberhausen, Germany, a company of Germany
No Drawing. Application February 20, 1937, Serial No. 126,837. In Germany April 26, 1935
12 Claims. (Cl. 260—666)

1. The process of producing hydrocarbons from cellulosic material, which comprises acting upon such material in the presence of a liquid phase at an elevated temperature not exceeding 390° C. with a gas mixture, which contains a substantial proportion of methane, under a total pressure of at least 500 atmospheres above normal and a partial pressure of methane which suffices to cause a polarization of the methane present.

2,151,167
PROCESS OF TREATING COLLOIDAL HYDROCARBONS

Eulampiu Slatineanu, Oberhausen, Germany, assignor to Gewerkschaft Auguste, Oberhausen, Germany, a company of Germany

No Drawing. Application February 20, 1937, Serial No. 126,838. In Germany April 26, 1935
9 Claims. (Cl. 260—666)

1. The process of converting colloidal hydrocarbons into other, valuable products, which comprises acting upon a colloidal hydrocarbon in the presence of a liquid phase at an elevated temperature not exceeding 390° C. with a gas mixture, which contains a substantial proportion of methane, under a total pressure of at least 500 atmospheres above normal and a partial pressure of methane which suffices to cause a polarization of the methane present.

2,151,168
PROCESS OF TREATING ORGANIC OXYGEN COMPOUNDS

Eulampiu Slatineanu, Oberhausen, Germany, assignor to Gewerkschaft Auguste, Oberhausen, Germany, a company of Germany

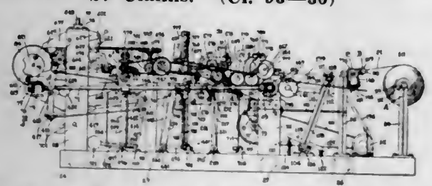
No Drawing. Application February 20, 1937, Serial No. 126,839. In Germany April 26, 1935
13 Claims. (Cl. 260—666)

1. The process of producing hydrocarbons from organic oxygen compounds, which comprises acting upon such compound in the presence of a liquid phase at an elevated temperature not exceeding 390° C. with a gas mixture, which contains a substantial proportion of methane, under a total pressure of at least 500 atmospheres above normal and a partial pressure of methane which suffices to cause a polarization of the methane present.

2,151,169
MACHINE FOR FORMING FLANGED END WALLS FOR CONTAINERS

Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.

Application March 6, 1937, Serial No. 129,393
27 Claims. (Cl. 93—36)



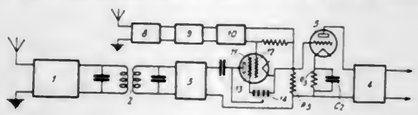
1. In combination, a support for a strip of paper, means for cutting off sheets from the strip, means for assembling the sheets in overlying position, and means for turning certain of the sheets relative to the support about an axis situated at right angles to the sheet and prior to assembly to cause the grain of certain of the sheets of the assembly to extend angularly with respect to the grain of other of the sheets.

2,151,170
RECEIVER NOISE SUPPRESSION CIRCUIT

Bernardus D. H. Tellegen, Johannes Peek, Gerard Hepp, and Vivian Cohen Henriquez, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application December 21, 1935, Serial No. 55,546
In Germany April 13, 1935
1 Claim. (Cl. 250—20)

In a modulated carrier wave receiver system of the type including a carrier wave amplifier, a detector and a modulation current amplifier, an arrangement for automatically controlling the receiver operation when undersired electrical impulses having a period of the order of 1/25 second are impressed on the receiver, said arrangement comprising an alternating current rectifier having a threshold sensitivity such that solely electrical impulses having an amplitude substantially

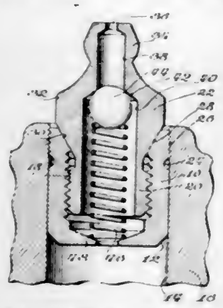


double the carrier wave amplitude at the carrier amplifier output are rectified, means responsive to the rectified output of the rectifier for rendering inefficient the modulation current transmission between the detector and modulation amplifier, said responsive means comprising an impedance coupling the detector and modulation amplifier, said impedance being a tube constructed as a dynatron.

2,151,171
LUBRICATING APPARATUS

George F. Thomas, Riverside, and Joseph Bystricky, Chicago, Ill., assignors to Stewart-Warner Corporation, a corporation of Virginia

Application July 1, 1936, Serial No. 88,271
4 Claims. (Cl. 285—25)



1. A lubricant receiving fitting for attachment in an untapped oil hole of a bearing comprising a nipple and a socket part, said socket part being of external diameter snugly to fit in the oil hole of a bearing, and having projections on the external surface of its outer portion, said outer portion being connected with the remainder of the socket part by a weakened wall section, and said nipple and socket part having cooperating wedging surfaces, whereby, as said nipple is forced into said socket part, the said outer portion of said socket will be radially expanded to cause said projections to embed themselves in the wall of the oil hole of the bearing.

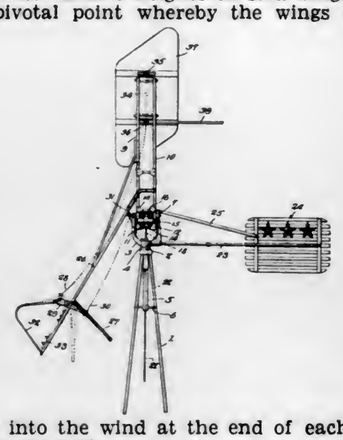
2,151,172
OSCILLATORY WIND MOTOR

Humberto Ramírez Villarreal, Mexico, D. F., Mexico

Application April 19, 1938, Serial No. 202,943
3 Claims. (Cl. 170—7)

1. In an oscillatory wind motor, a supporting frame, a yoke swivelly mounted thereon, a pivoted arm on said yoke, parallel wings pivoted at the outer end of said arm, power take-off means connected with the inner end of said arm,

and counterbalance weights on said wings below their pivotal point whereby the wings will be

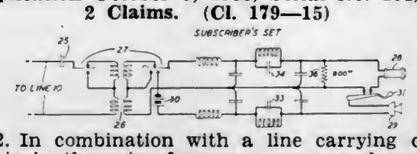


turned into the wind at the end of each oscillatory movement.

2,151,173
CARRIER AND SPEECH TRANSMISSION SYSTEM

Horace Whittle, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 6, 1936, Serial No. 104,183
2 Claims. (Cl. 179—15)



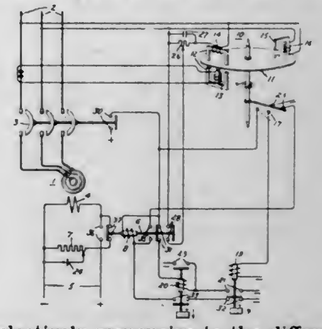
2. In combination with a line carrying currents in the voice frequency range and carrier communication currents of frequencies higher than the upper frequency of said currents of the voice frequency range, the lower frequency of the carrier communication currents being close to the upper frequency of the currents in the voice range, a substation circuit including a receiver and a transmitter of differing impedances, a repeating coil having a primary winding and a secondary winding, said primary winding being connected across said line, said circuit in listening condition having the receiver, a filter and the secondary winding connected together, and in talking condition having the transmitter, a portion of said secondary winding and a second filter connected together, said filters freely transmitting voice currents between the line and receiver and transmitter while offering high attenuation to currents of the frequencies used for carrier communication.

2,151,174
CONTROL SYSTEM

Fred H. Winter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1937, Serial No. 177,496
8 Claims. (Cl. 172—289)

1. In combination, a synchronous machine having an armature winding and a field winding, an alternating current circuit, a source of excitation, and means for connecting said source to said field winding at a predetermined point in the slip cycle when said machine is operating subsynchronously including means for completing a relatively low impedance circuit for said field winding during a predetermined portion of each slip cycle and a relatively high impedance circuit for said field winding during a different predetermined portion of each slip cycle, and

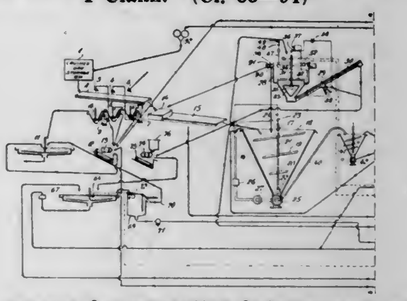


means selectively responsive to the different current pulsations respectively produced in the armature circuit of said machine as a result of said different impedance circuits for effecting the connection of said source to said field winding.

2,151,175
ORE DRESSING

Charles Erb Wuensch, Joplin, Mo., assignor to Wuensch Hetero Concentration Process Company, Wilmington, Del., a corporation of Delaware

Application November 23, 1935, Serial No. 51,328
1 Claim. (Cl. 83—94)



A process for separating heterogeneous mixtures of ore fragments which comprises first washing the ore fragments with water, then washing the ore fragments with heavy medium comprising a suspension of finely divided solid particles in liquid, introducing the resulting medium-coated fragments together with the heavy medium into a separating chamber, withdrawing heavy fragments together with medium from the bottom of the separating chamber and introducing them into a second chamber, withdrawing heavy fragments together with medium from the bottom of the second separating chamber, withdrawing relatively lighter fragments from the top of the second separating chamber, removing medium from said relatively lighter fragments, crushing said relatively lighter fragments and returning them to the circuit with the fresh ore fragments.

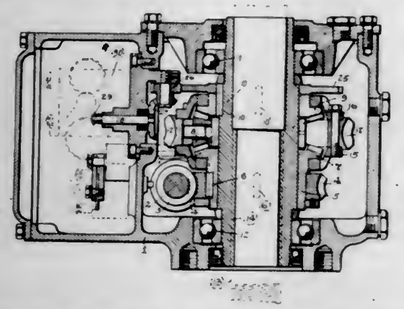
2,151,176
VALVE CONTROL

George H. Acker, Shaker Heights, Ohio, assignor to The Cleveland Worm & Gear Company, Cleveland, Ohio, a corporation of Ohio

Application February 2, 1937, Serial No. 123,735
3 Claims. (Cl. 74—282)

1. In a power driven valve operating control unit, the combination of power driving means,

a rotatable member adapted to move the stem of said valve, a reduction worm gear train driven by said driving means, said reduction worm gear train being connected to said rotatable member, control means for starting and stopping said driving means, the worm shaft of said gear train



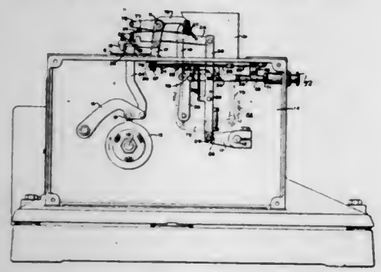
being longitudinally movable, means connecting said worm shaft to said control means for operating the latter, hydraulic means for resisting the longitudinal movement of said worm shaft, and means for adjustably regulating the resistance of said hydraulic means.

2,151,177

TABULATOR DRIVE CONTROL

Samuel Alvine, Newark, N. J., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application October 22, 1937, Serial No. 170,351
4 Claims. (Cl. 271—56)



1. In a device of the class described, a record card controlled machine including a driving mechanism, a card supply magazine, a plurality of record cards adapted to be positioned in said magazine, means for feeding said plurality of cards seriatim, means controlled by the last of said plurality of cards to be fed from said magazine to render said driving mechanism ineffective and means adapted to render said last mentioned means ineffective.

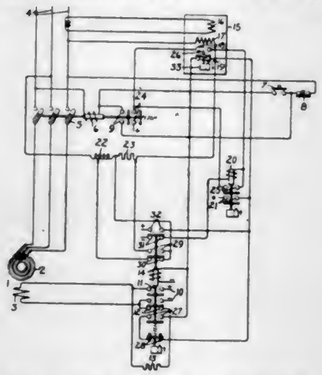
2,151,178

CONTROL SYSTEM

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application April 28, 1938, Serial No. 204,761
24 Claims. (Cl. 172—289)

1. In combination, an alternating current supply circuit, a dynamo-electric machine connected to said supply circuit, and speed responsive means dependent on the frequency of the pulsations produced in a predetermined function of the product of said supply circuit voltage and the current flowing between said supply circuit and said ma-



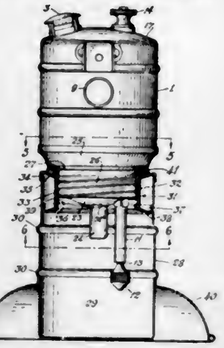
chine by said machine when operating out of synchronism.

2,151,179

ILLUMINATING AND SAFETY LAMP

Domingo Anglada, Bronx, N. Y., assignor to Wolf Safety Lamp Co. of America, Inc., Brooklyn, N. Y., a corporation of New York

Application May 28, 1937, Serial No. 145,183
1 Claim. (Cl. 48—4)



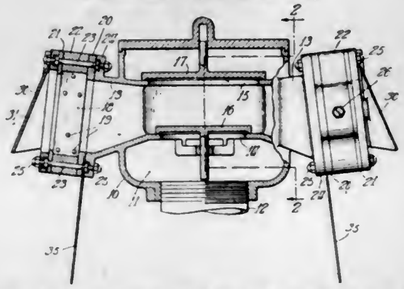
In a carbide lamp, a water chamber arranged in the top of said lamp, and a barrel-like carbide chamber adapted to be removably secured to the water chamber, the carbide chamber having an open top, an attaching member secured to the carbide chamber at the open end thereof, said attaching member having a wall spaced from the body of said carbide chamber and substantially concentric therewith, said wall being provided with screw threads, said attaching member having an outwardly and upwardly inclined circumferential surface extending from the uppermost course of said screw threads and over the top edge of the carbide chamber body, the said screw threads and the innermost edge of said inclined wall being below the outermost circumferential edge of said inclined surface, the water chamber being provided with an extension, screw threads on said extension, an inclined wall near the position of said screw threads, the last mentioned inclined wall corresponding, in its inclination, to the inclination of the wall of said carbide chamber, a resilient sealing member arranged between said inclined walls and being adapted to be uniformly compressed between said walls when the water chamber and the carbide chamber are secured together by the interengagement of said screw threads, said sealing member, when compressed, conforming at its top and bottom surfaces to the inclined surfaces, thereby sealing the union of the water chamber and the carbide chamber against the escape of gas developed in said carbide chamber, the screw threads on said carbide chamber, being below the outer edge of its inclined wall, providing a surface against which the carbide chamber may be knocked to dislodge spent carbide, said edge protecting the screw threads on said carbide chamber against distortion during such dislodgment of said spent carbide.

2,151,180

CONSERVATION VENTING DEVICE AND FLAME ARRESTER

Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Chicago, Ill., a corporation of Illinois

Application January 31, 1936, Serial No. 61,719
5 Claims. (Cl. 220—88)



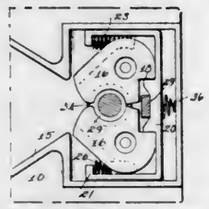
1. In a venting device, a horizontally extending conduit, a flame arrester mounted on one end of the conduit, said arrester comprising a plurality of vertically extending plates of high radiating material assembled side by side in slightly spaced relation to form a grid adapted to close the conduit to the passage of gases except through said spaces with the outer bounding ends of the plates inclined to and receding upwardly from the vertical towards the conduit, a plate member positioned outside of and in spaced relation to the grid to form a combustion chamber closed at the top and ends, said member being fastened to the conduit by means exposed to heat generated by combustion within said chamber, said means being fusible at combustion chamber temperatures below that sufficient to heat the opposite ends of the grid plates to a point wherein gases will be ignited by contact therewith, the fusing of said means resulting in the plate dropping away from the conduit.

2,151,181

VEHICLE COUPLING

Gunnard Appell, Des Moines, Iowa

Application June 21, 1937, Serial No. 149,391
2 Claims. (Cl. 280—33.1)



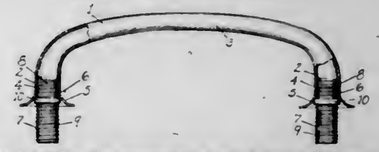
1. In a vehicle coupling, the combination of a base plate to be attached to a vehicle, two jaws pivotally mounted on the base plate and each formed with a recess at its rearward end portion and with a shoulder at its forward end portion, a latch slidingly mounted on the base plate and having a rearwardly extended latch arm at each side and also having two shoulders extended rearwardly near its central portion and a spring engaging each latch arm and the adjacent coupling jaw for yieldingly holding both the latch and jaws in open position and to prevent rattling, said parts being so constructed and arranged that as the rearward ends of the jaws are moved toward each other the shoulders on the forward ends of the jaws will move outwardly past the shoulders on the latch, thereby permitting the latch to move rearwardly and between the shoulders on the jaws to lock the jaws in said position.

2,151,182

HANDLE FOR FURNITURE AND THE LIKE

Albert L. Birdsall, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.

Application January 29, 1938, Serial No. 187,582
3 Claims. (Cl. 16—125)



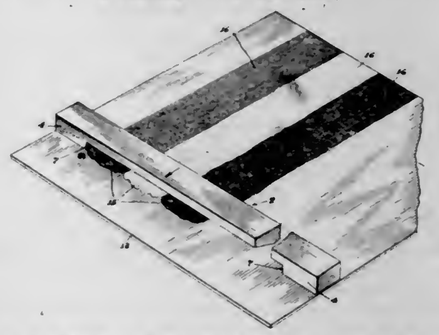
1. A handle for furniture and the like comprising a bail-shaped tubular grip portion having ends disposed in parallel relation and internally threaded, flaring base portions of sheet metal having smooth interior surfaces and neck portions of a diameter corresponding to the diameter of the ends of the grip portion and in abutting relation thereto, and threaded attaching studs extending through said base portions and threaded into the ends of said grip portion, said attaching studs having integral annular ribs interiorly engaging the smooth interior surfaces of said base portions and clamping their ends against the ends of said grip portion, the outer ends of said studs projecting from the outer ends of said base portions.

2,151,183

FILM APPLICATOR

John J. Bradley, Jr., East Walpole, and Berton L. Seekins, Norwood, Mass., assignors to Bird & Son, Inc., East Walpole, Mass., a corporation of Massachusetts

Application July 21, 1937, Serial No. 154,808
3 Claims. (Cl. 91—62.5)



2. A device of the class described characterized

by a member providing an elongated inclined surface on the forward side thereof adapted to confine a mass of hardenable film-forming material, an elongated inclined surface on the rearward side thereof, and a narrow elongated portion therebetween connecting said surfaces, and spacing means at the ends of said member adapted to fix the vertical distance between said portion and an opposing panel thereunder so as to provide an elongated narrow film-laying opening.

2,151,184
MIXED PAINT
Elvin C. Burwell, Los Angeles, Calif., assignor, by mesne assignments, to The Evanston Company, a corporation of Nevada
No Drawing. Application June 1, 1936, Serial No. 82,933
2 Claims. (Cl. 134—39)

1. A mixed paint comprising a drying oil vehicle, a pigment, approximately 10 percent of finely comminuted diatomaceous earth, and from ½ percent to 2 percent of intimately incorporated water, said percentages being based on the total weight of finished paint.

2,151,185
ESTERS OF GLYCOL MONOESTERS AND ACYLATED HYDROXY ACIDS
Thomas F. Carruthers, South Charleston, and Charles M. Blair, Charleston, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application January 16, 1936, Serial No. 59,406
14 Claims. (Cl. 260—484)

2. As chemical compounds, esters of hydroxy carboxylic acids, in which the hydrogen of each carboxyl group is replaced with the radical of an aliphatic monocarboxylic acid monoester of a glycol of the group consisting of alkylene and polyalkylene glycols, and in which the hydrogen of each hydroxyl group is substituted by an acyl radical corresponding to a monocarboxylic acid.

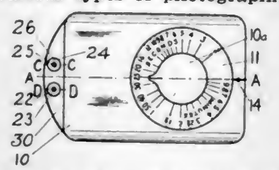
2,151,186
TIRE FABRIC
Fletcher Chadwick, Preston, England, assignor to Preston Tyre Fabric Manufacturing Company Limited, Higher Walton, Preston, England, a limited-liability company of Great Britain
Application July 10, 1936, Serial No. 89,877
In Great Britain April 16, 1936
4 Claims. (Cl. 139—420)



1. A tire fabric consisting of warp threads of tire cord, and weft threads, all the temporarily binding weft threads being of rubber in a plastic and extensible condition.

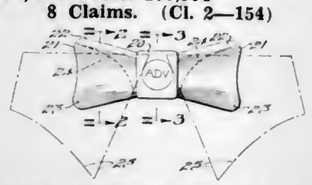
2,151,187
ELECTRIC PHOTOMETER
Daniel E. Christopher, Chicago, Ill.
Application May 21, 1937, Serial No. 143,997
3 Claims. (Cl. 88—23)

3. A photometer, comprising a light-tight casing, a source of light therein, a comparison field in the casing, said comparison field including a translucent spot surrounded by a reflecting area, means for varying the amount of light falling on the translucent spot, said means including a manually operated rotatable knob, and a logarithmic scale associated with the knob, said scale being itself rotatable about the same central point as the knob and adapted for adjustment for the speed of various types of photographic printing



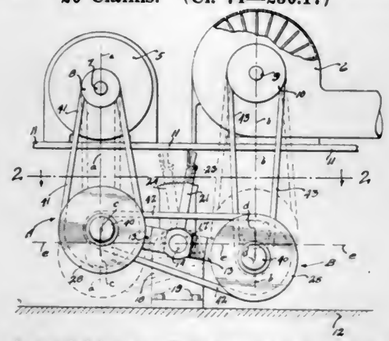
paper whereby a preliminary setting of the logarithmic scale in accordance with the paper used, and a later adjustment of the knob to vary the amount of light falling on the translucent spot will automatically indicate the time of exposure for the paper.

2,151,188
NECKTIE
Harry A. Clark, Detroit, Mich.
Original application February 26, 1936, Serial No. 65,831. Divided and this application October 25, 1937, Serial No. 170,804
8 Claims. (Cl. 2—154)



1. In a moulded necktie having a central knot portion, in combination, a triangular block on the rear of said central knot portion for holding the said necktie in inclined relationship to the vertical neckband of a collar with which it is worn, the front of said knot portion having a depression formed therein, an initialing disk, means for securing said initialing disk to the said knot portion at the base of said depression therein, and means for securing said necktie to said vertical neckband.

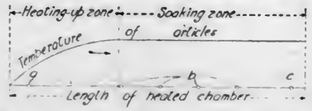
2,151,189
VARIABLE SPEED TRANSMISSION MECHANISM
Lloyd Coddington, Minneapolis, Minn., assignor to Continental Machine Specialties, Inc., Minneapolis, Minn., a corporation of Minnesota
Application May 17, 1937, Serial No. 143,039
20 Claims. (Cl. 74—230.17)



1. A variable speed transmission mechanism comprising a laterally spaced parallel pair of

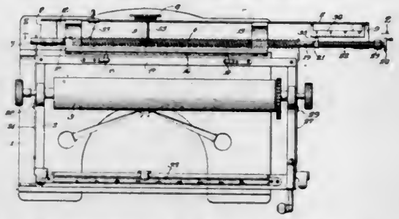
multiple pulley units each including an axially spaced pair of inner and outer cone-faced pulley flanges and intermediate double cone-faced pulley flange means, means journaling the inner and outer pulley flanges of each pulley unit in axially spaced relation and the intermediate double cone-faced pulley flange means thereof for axial sliding movements between said inner and outer pulley flanges, whereby to form in each of the pulley units a plurality of axially spaced variable diameter V-grooves, and at least one belt coupling the opposite multiple pulley units together and running in at least one of but not all of the V-shaped pulley grooves of each of said units, other of the variable diameter V-grooves of one of the pulley units being adapted to receive at least one driving belt and other of the variable diameter V-grooves of the other of the pulley units being adapted to receive at least one driven belt.

2,151,190
METHOD OF PRODUCING A COMPOSITE CARBIDE AND NITRIDE CASE ON STEEL ARTICLES
Roysel J. Cowan, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application December 31, 1938, Serial No. 248,753
15 Claims. (Cl. 148—16)



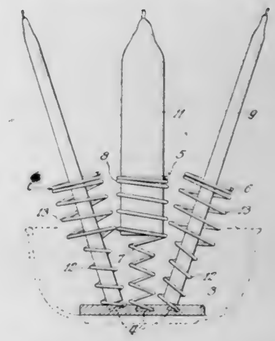
1. The method of simultaneously utilizing a nitriding gas and a carburizing gas for producing a composite carbide and nitride case on steel articles which are being progressed through a furnace chamber maintained at a selected temperature between 1200–1600 deg. Fahr. which comprises initially introducing the nitriding gas into said chamber at a zone intermediate the ends of said chamber, and introducing the carburizing gas into said chamber independently of the nitriding gas.

2,151,191
TYPEWRITER
Merrell L. Crane and Gilbert W. Fisher, Chicago, Ill., assignors to Lawrence J. West, Chicago, Ill.
Application May 19, 1938, Serial No. 208,858
15 Claims. (Cl. 197—84)



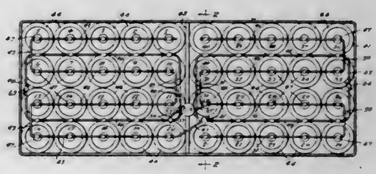
7. In a typewriting machine, a frame, a carriage movable thereon, a rack member provided with uniformly spaced portions and having means connecting said portions for increasing or decreasing the spacing between said portions in a uniform manner, and means for controlling the motion of the carriage including a toothed element engageable with said portions.

2,151,192
FLOWER AND CANDLE HOLDER
David H. Crosser, Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowoc, Wis., a corporation of Wisconsin
Application December 28, 1936, Serial No. 117,918
3 Claims. (Cl. 240—2)



1. A device of the class described comprising a base, and a plurality of elongated spirally formed flower and candle supporting members of resilient material having their lower end portions embedded in said base and extending divergently upwardly and outwardly therefrom, each of said members having substantially parallel sides and provided with portions of different transverse diameters intermediate its ends with the portions of lesser diameter being adjacent said base.

2,151,193
DRY CELL BATTERY UNIT
Cyril P. Deibel, Lakewood, Ohio
Application October 29, 1936, Serial No. 108,204
6 Claims. (Cl. 136—108)

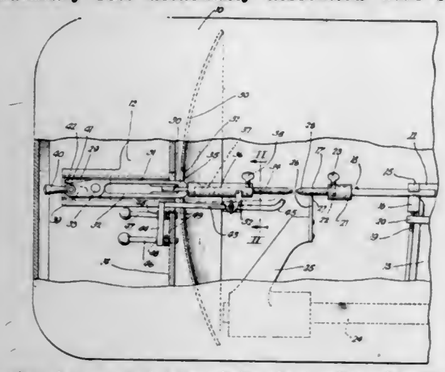


5. A dry cell battery unit comprising a plurality of cells arranged within a carton and electrically connected with each other, each cell consisting of a metal can in which is arranged a mass of mix and a central electrode, each of said cans having adjacent edges thereof rounded so as to provide a space to receive a wire therein, a wire disposed in the space provided by such rounded edges of adjacent pairs of cans and rigidly connected to such cans and a terminal for said unit.

2,151,194
ELECTRODE MOUNT
Frank Desormeaux, Forest Park, Ill.
Application September 17, 1936, Serial No. 101,196
14 Claims. (Cl. 176—51)

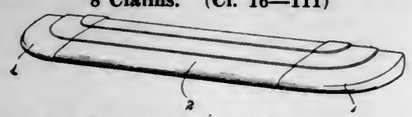
1. In an arc lamp, the combination with confronting mounts for sustaining carbon electrodes, of means for supporting said electrodes in horizontal alignment, electrode extension mounts as-

sociated with said last named means, and an auxiliary rest detachably associated with said



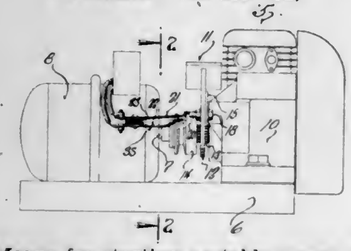
extension mount to sustain electrodes of reduced length.

2,151,195
STOVE HANDLE
George Earl De Voe, Grand Rapids, and Vennice E. Mark, Grandville, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application June 20, 1938, Serial No. 214,734
8 Claims. (Cl. 16—111)



1. A handle comprising end members spaced apart from each other, and an intermediate elongated member between the end members having a flange turned inwardly at its inner edge and provided with finger engaging means at its outer portion whereby the fingers may engage said handle underneath the upper side of said intermediate member and between said finger engaging means and said flange, as specified.

2,151,196
MEANS FOR STARTING PORTABLE POWER UNITS
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 9, 1937, Serial No. 178,947
4 Claims. (Cl. 290—31)



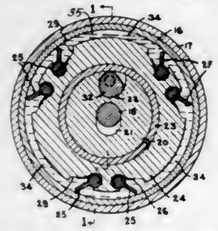
1. Means for starting portable power units of the type wherein an internal combustion engine is drivingly connected with a motor-generator and wherein a battery is electrically connected with the motor-generator when the unit is in operation comprising: a starting winding for the motor-generator; an electric starting circuit for connecting the starting winding with the battery so that the motor-generator acting as a motor cranks the engine; a mechanical starting member directly connected with the engine whereby the engine may be manually cranked; and means for closing said starting circuit as a consequence to cranking actuation of the starting member.

2,151,197
COMPENSATING SPRING AND ALLOY FOR TIMEPIECES
Frederick P. Flagg, Waltham, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
No Drawing. Application September 12, 1936, Serial No. 100,543
5 Claims. (Cl. 267—1)

1. A hairspring for time pieces having temperature compensating properties for a monometallic balance within the range from approximately 40° F. to approximately 90° F., and resistance to permanent deformation substantially as great as a hardened and tempered steel spring of the same dimensions, made from an alloy having substantially the following composition:

	Per cent
Nickel	35.00
Manganese	3.35
Silicon	5.39
Iron	The remainder

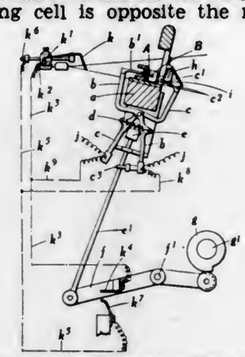
2,151,198
HYDRAULIC BRAKE
Raymond L. Gillson, Cincinnati, Ohio
Application January 13, 1936, Serial No. 58,851
19 Claims. (Cl. 188—90)



1. A hydraulic brake consisting of a plurality of chambers having walls moving in unison, movable end walls for said chambers, means for converging said chambers, and fluid in said chambers exerting a pressure on said walls when said chambers are converged and causing said converged chambers to be non-communicating.

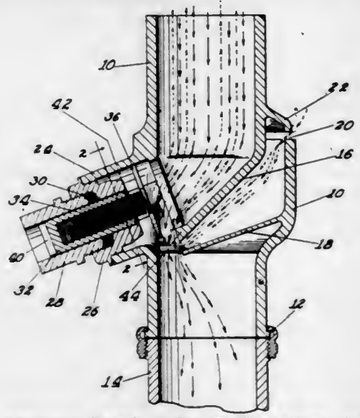
2,151,199
WEFT FEELER DEVICE FOR LOOMS FOR WEAVING
Walter Gledhill, St. Annes, England
Application November 21, 1936, Serial No. 112,130
In Great Britain November 28, 1935
3 Claims. (Cl. 139—269)

1. In a loom, a rising and falling shuttle box having at least two cells one of which is a detecting cell, means to cause a shuttle to enter said detecting cell, means to move the shuttle box vertically to carry the detecting cell out of alignment with the raceway of the loom, two pivotally-mounted feeler members having portions arranged to engage the weft mass on the bobbin in the shuttle simultaneously from diametrically-opposite points when the shuttle box is moved to carry the detecting cell out of alignment with the raceway, means tending to move the feeler members towards one another, and means whereby the feeler members are held apart when the detecting cell is opposite the raceway and



permitted to approach one another when the detecting cell is moved out of alignment with the raceway.

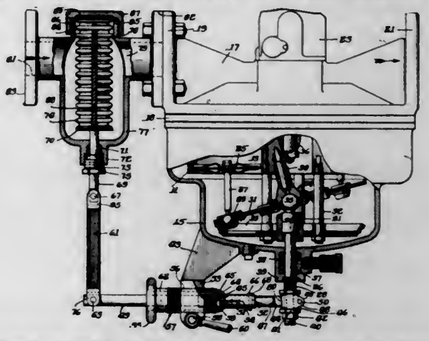
2,151,200
FIXED VACUUM BREAKER FOR FLUSH VALVES
Joseph J. Goodrie, Chicago, Ill., assignor to Goodrie Cylent Flush Valve Co., Chicago, Ill., a corporation of Illinois
Application November 26, 1934, Serial No. 754,783
13 Claims. (Cl. 137—111)



6. A vacuum breaker for flush valves, including a casing having an opening therein to the atmosphere, and means for controlling the volume of flush water passing through the casing, said means comprising an adjustable valve element.

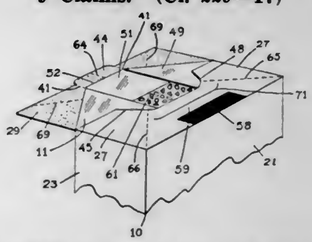
2,151,201
THERMOSTATIC CONTROL FOR FLUID METERS
Clement P. Griffith, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application June 24, 1936, Serial No. 86,935
8 Claims. (Cl. 73—232)

1. In combination with a meter which is adapted to dispense fluids having varying cubic expansion properties, means for varying the amount of fluid dispensed by the meter during a cycle of operation, a device adapted to move a predetermined distance in response to a predetermined change in temperature of the fluid being dispensed, means for imparting the movement of the temperature responsive device to said varying means and manually operable means for



adjusting said last named means in accordance with the cubic expansion property of any fluid which the meter is adapted to measure.

2,151,202
RECLOSING CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application September 2, 1937, Serial No. 162,153
9 Claims. (Cl. 229—17)

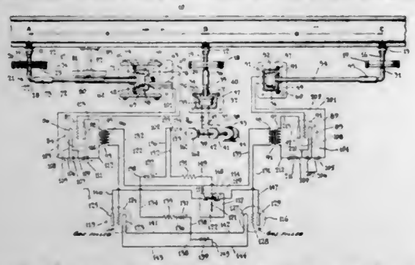


1. In combination, a carton constructed from a sheet of material formed to provide lateral walls including a front wall, a rear wall, and side walls, and a bottom connected therewith, end wall sections issuing outwardly from the upper ends of said lateral walls and being adapted to be folded over and secured together to form an end wall for the upper end of the carton, a bag within said carton, the marginal part of the bag at the open end thereof projecting beyond said lateral walls and being foldable with said end wall sections to close the upper end of the bag, the extent of said marginal part of the bag beyond the lateral walls being less than one half the width of the carton to cause the edges of said bag to fall short of one another to leave a discharge opening in the bag when the portions of the marginal part of the bag adjacent the side walls of the carton are folded toward one another one of said end wall sections having a removably attached part serving as a cover for said opening.

2,151,203
FLUID METER AND METHOD OF MEASURING THE RATE OF FLOW OF FLUIDS
Henry E. Hartig, Robbinsdale, Minn., assignor of one-half to Hugh B. Wilcox, Minneapolis, Minn.
Application December 23, 1935, Serial No. 55,852
10 Claims. (Cl. 73—194)

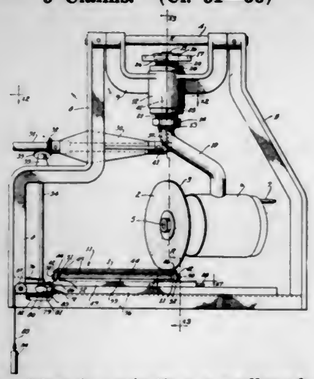
1. In a fluid meter, means providing two paths along which mechanical vibrations may travel, one of said paths being in the fluid whose velocity

is to be measured, means for initiating mechanical vibrations and causing them to travel along both of said paths, means for varying the



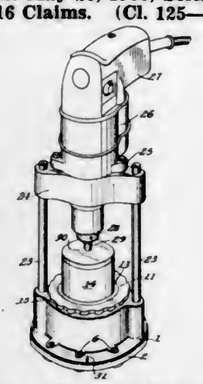
length of one of said paths, and means for indicating when the vibrations reach certain stations along said paths in the same length of time.

2,151,204
BLADE SHARPENING MACHINE
William Walter Hartman, Los Angeles, Calif.
Application August 9, 1937, Serial No. 158,090
5 Claims. (Cl. 51—33)



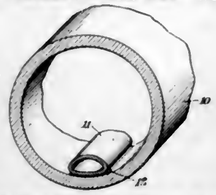
1. A machine for grinding a scalloped, beveled cutting edge on the edge of a thin blade having a thin edge and a smooth face, said machine comprising in combination, a rotatable grinder shaft, a grinding wheel on said shaft, mounting means for said grinder shaft, blade supporting means adapted to support a thin blade in such manner that the thin edge of the blade is presented into grinding contact with the periphery of said grinding wheel and with the smooth face of the blade making an angle with respect to said grinding wheel to thus be non-tangential thereto to thereby grind a sharp beveled cutting edge along the thin edge of the blade, means for providing a to and fro motion along a fixed path relatively between said grinder shaft and grinding wheel on the one hand and said blade supporting means on the other hand, which said fixed path extends in a general way transversely of said blade edge that contacts with and is sharpened by said grinding wheel, said mounting means for the grinder shaft holding the axis of said grinder shaft tilted at an angle between zero and ninety degrees with respect to the general direction of said to and fro motion and the path of said to and fro motion being fixed to relatively sweep said grinding wheel and the thin cutting edge of said blade across each other in grinding engagement along a scallop indented along the thin edge of the blade to grind a sharp beveled cutting edge along such scallop and thence to out of contact position with respect to each other, whereupon the direction of the motion is reversed.

2,151,205
CERAMIC DRILL
Ralph A. Hawn, Columbus, Ohio
Application May 28, 1936, Serial No. 82,301
16 Claims. (Cl. 125—20)



1. A ceramic drill comprising a holder having an opening extending longitudinally therethrough, an adapter ring removably positioned in said holder, said ring constituting a bearing for the reception of a rotatable tubular cutter, a plurality of suction cups connected with the bottom of said holder, and a sealing gasket carried by the bottom of said adapter ring.

2,151,206
DRILL STEM SECTION
David G. Hawthorn, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application January 14, 1936, Serial No. 59,097
3 Claims. (Cl. 255—28)

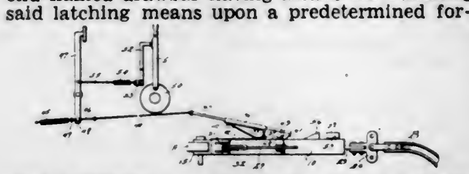


1. A drill stem section comprising a seamless metal pipe of uniform composition and a seamless metal conduit of uniform composition completely enclosed by and extending longitudinally of said pipe, said conduit having a portion of its exterior surface of substantially the same curvature as the inner surface of said pipe and having said portion brazed to said inner surface.

2,151,207
SAFETY TRACTOR HITCH
Eddie A. Hilde, Rothsay, Minn.
Application January 20, 1938, Serial No. 185,985
10 Claims. (Cl. 180—14.5)

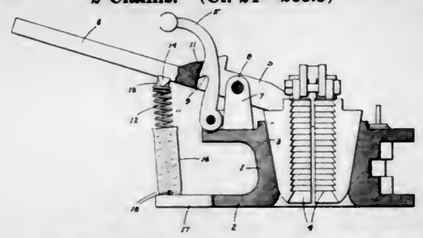
1. The combination with a tractor having a clutch lever and a brake lever, of a tractor hitch including a housing, a drawbar longitudinally movable within the housing and adapted to be connected to a drawn implement, a forward drawbar adapted to be connected to the tractor and

movable longitudinally within the housing under predetermined strain, means latching the first-named drawbar to the housing and against longitudinal movement relative thereto, the second-named drawbar having means for releasing said latching means upon a predetermined for-



ward movement of the second-named drawbar relative to the housing, and means operatively connecting the first-named drawbar to the clutch lever and brake lever and constructed and arranged to shift these levers to a clutch releasing and brake applying position when the first-named drawbar moves rearward relative to the housing.

2,151,208
OIL WELL SPIDER
Benjamin Franklin Hiniker, Taft, Calif.
Application February 12, 1938, Serial No. 190,274
2 Claims. (Cl. 24—263.5)



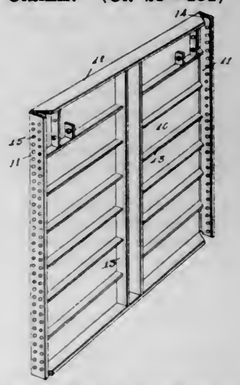
1. A pipe spider comprising a body having a bore, slips movable vertically in the bore, a lever, means pivoting the lever intermediate its ends on the body, one arm of the lever being applied to the slips to raise and lower the same, a helical compression spring disposed in the plane of movement of the lever and engaged at one end with the other arm thereof, a support on the body for the other end of the spring said spring being relatively long and acting on said other arm to move the lever in a slip lowering direction, and a sleeve fixed on the support and surrounding the spring for a distance sufficient to prevent lateral buckling thereof when under maximum compression.

2,151,209
JAR OPENER
Joseph B. Hohmann, Forest Grove, Oreg.
Application November 26, 1937, Serial No. 176,725
1 Claim. (Cl. 81—3.1)



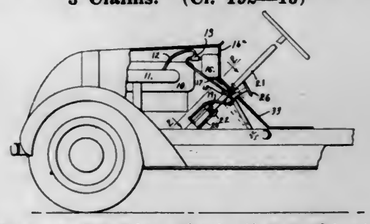
In a jar opener, a cover engaging member having a slot in its top side, an auxiliary cover engaging member pivotally mounted on said cover engaging member adapted to be moved into position through said slot, a lever pivotally mounted on said cover engaging member, a finger on said lever positioned so as to project between a jar, and the gasket and cover thereof, thus breaking the vacuum so that said cover may be removed, said cover engaging member and said auxiliary cover engaging member having separate points of contact with the edge of the jar cover opposite the place where the finger engages the jar.

2,151,210
MOLD FORM FOR CIRCULAR CONCRETE WALLS
William Allen Jennings, Des Moines, Iowa, assignor to Economy Forms Corporation, Des Moines, Iowa, a corporation of Iowa
Application April 3, 1936, Serial No. 72,561
3 Claims. (Cl. 25—131)



1. A form for concrete structures, comprising a series of panels each made of bendable sheet metal having one edge bent outwardly to form a flange, means for reinforcing or bracing the body portions of the panel to make it substantially flat and relatively unbendable, means for reinforcing and bracing the flange from a line slightly spaced from the body of the panel toward the outer edge of the flange, means for clamping together the braced or reinforced portions of two adjacent flanges, thereby leaving the sheet metal between the reinforcements of the panel and the reinforcements of the flange relatively bendable, and whereby when two adjacent panels are bent along said line the inner faces of the panels will be only slightly separated.

2,151,211
BRAKE CONTROL MECHANISM
Carl A. Johnson, Omaha, Nebr.
Application April 23, 1937, Serial No. 138,618
3 Claims. (Cl. 192—13)



1. In an automotive vehicle, the combination of a brake and clutch pedal with vacuum actuated means for holding the brake in applied positions, said means comprising an operating cylinder, a piston in said cylinder adapted to be retained in

operative positions by vacuum, a rod rigidly connected with the piston and operably connected with the brake pedal, an air control valve adapted to be actuated by the clutch pedal when same is fully depressed, means operably connecting the operating cylinder with the control valve, a check valve having an inlet and an outlet, means operably connecting the control valve with the inlet of the check valve, means operably connecting the outlet of the check valve with a source of operating vacuum, and means for providing a reserve vacuum supply for the operating cylinder upon deficiency of the vacuum source, said last mentioned means being operably positioned between the check valve and the control valve, the piston in the operating cylinder being adapted to be tilted, by operative movement of the connecting rod, into and out of a plane at right angles to the cylinder axis.

2,151,212

PROCESS FOR THE MANUFACTURE OF POLYSULPHIDE PLASTICS

Gerhard Källner and Gerhard Krause, Ida- und Marienhutte, near Saarau, Silesia, Germany, assignors to Silesia, Verein Chemischer Fabrieken, Ida- und Marienhutte, near Saarau, Germany

No Drawing. Application May 4, 1936, Serial No. 77,760. In Germany November 29, 1935
3 Claims. (Cl. 260—79)

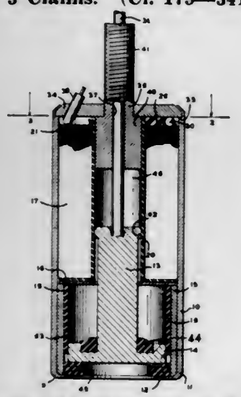
1. A process for preparing elastic artificial masses in granular form which comprises reacting an aqueous solution of a sodium polysulphide with a dihalogenide of paraffin hydrocarbons in the presence of a water soluble alkyl cellulose.

2,151,213

SOLENOID

Walter F. Kelley, Whitestone, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application December 3, 1937, Serial No. 177,924
3 Claims. (Cl. 175—341)



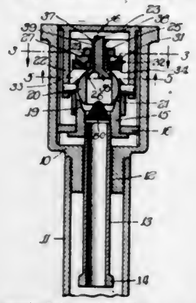
1. In a solenoid having a tubular iron casing, a coil within said casing, an iron plunger axially movable partly within said coil and partly within said casing, iron flanges at each end of said plunger, the flange within said coil being only slightly larger than the plunger, the flange within said casing being at least twice as large as the plunger, the periphery of each flange formed with a cylindrical surface concentric with the plunger, tubes of non-magnetic material mounted within the said coil and within the said iron casing, whereby the periphery of the larger flange is movable within said tubing along the axis thereof but is laterally constrained to less than ten per cent of the distance between said flange and said tubular iron casing.

2,151,214

SPRINKLER

Clarence P. Kramer, Chicago, Ill.

Application June 17, 1935, Serial No. 26,948
14 Claims. (Cl. 299—61)



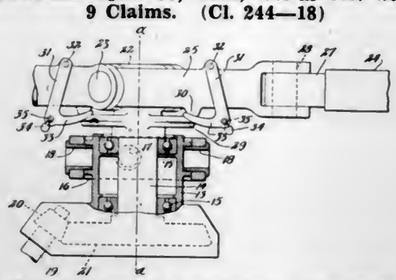
1. A lawn sprinkler having a sprinkler head comprising a fitting with nozzle openings at the top, a guide carried by the fitting above the nozzle openings for causing a thin arcuate spray, valve means within the fitting for closing some of the openings and means carried by the fitting for limiting the side spray from the openings which are not closed.

2,151,215

AIRCRAFT SUSTAINING ROTOR

Agnew E. Larsen, Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application April 30, 1938, Serial No. 205,227
9 Claims. (Cl. 244—18)



1. In an aircraft sustaining rotor having a blade mounted for oscillation in a path transverse the mean rotative path of travel thereof, droop stop mechanism for limiting downward movement of the blade including centrifugally actuated means providing greater clearance for blade drooping when the rotor is rotating at substantially normal flight speeds than when the rotor is rotating substantially below normal flights speeds.

2,151,216

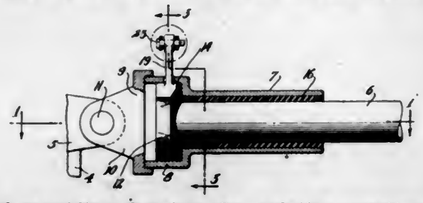
CONSTRUCTION OF AIRCRAFT SUSTAINING ROTORS

Agnew E. Larsen, Jenkintown, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application April 30, 1938, Serial No. 205,228
13 Claims. (Cl. 244—18)

1. In an aircraft sustaining rotor having a hub and a blade, mechanism for mounting the blade on the hub including a pair of telescopically associated members arranged with their

axes substantially in alignment with the longitudinal blade axis, an interposed cylindrical resilient sleeve bonded to both of said members



and providing freedom for relative rotation of said members to vary the pitch setting of the blade, and controllable means for effecting relative rotation of said members.

2,151,217

METAL MIXTURE

John L. Lehman, St. Louis, Mo.

No Drawing. Application June 21, 1937, Serial No. 149,437
9 Claims. (Cl. 113—112)

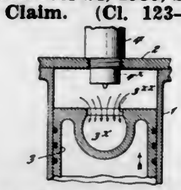
1. A metal mixture for removing film from metal surfaces preparatory for subsequent application of solder directly on said surfaces comprising a mixture by weight of approximately 80% to 90% powdered zinc metal, 1% to 15% powdered tin, and 1% to 5% powdered copper, and reagents having a lower melting point than said metals mixed therewith to lower the melting point of said metals and to fuse the metals at the temperature at which they are melted, respectively.

2,151,218

DIESEL ENGINE

Johann Werner Lutz, Rheineck, Switzerland

Application December 24, 1936, Serial No. 117,602
1 Claim. (Cl. 123—32)



In Diesel engines, means for creating combustion air turbulence comprising a cylinder and a cylinder closure, a piston having a combustion chamber formed as a surface of revolution in the piston head and having a restricted passageway in communication with the cylinder, said piston head being formed with a radially extending longitudinal slot cut through said piston head from said restricted passageway, said slot being exposed to the space formed between said piston head and said cylinder closure throughout its length and to said combustion chamber throughout its depth, and a projection extending into the cylinder and adapted to enter the restricted passageway of the piston head when the piston is nearing upper dead center position.

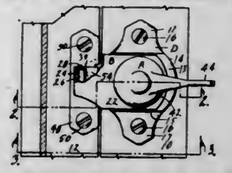
2,151,219

WINDOW SASH LOCK

Sern Madsen, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa

Refiled for abandoned application Serial No. 50,144, November 16, 1935. This application December 14, 1937, Serial No. 179,695
2 Claims. (Cl. 292—111)

1. In a window structure having vertically slidable sashes, the combination of a sash lock structure comprising interlocking hook members adapted to be mounted on respective check rails of the sashes having parallel opposed engaging faces of greater width than the side clearance of the fitted sashes disposed at an acute angle with the horizontal, one of said hook members having a base and an eccentric pivotal mounting securing it thereto adapted to provide compound movement in a horizontal plane, one part of said movement being adapted to advance the movable



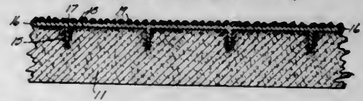
hook member rotationally in a horizontal plane into engagement with the other so that the engaging faces lie substantially parallel and another part of said motion being initiated through the eccentric mounting to shift the engaged faces of the hook members over each other in an acute angular direction with respect to the horizontal and thereby to simultaneously close both vertical and horizontal clearance between said check rails.

2,151,220

BUILDING COVERING MATERIAL

Lee H. Mattes, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application July 30, 1937, Serial No. 156,568
3 Claims. (Cl. 91—68)



1. Building covering material comprising a composition board which is subject to peeling when coated with flexible plastic material, said board having a plurality of spaced depressions of substantially greater depth than width formed in one face thereof, and a plastic waterproof coating adhering to said face, portions of said plastic filling said depressions to prevent said peeling.

2,151,221

PANELED WALL STRUCTURE

Daniel M. Meeker, Toledo, Ohio, assignor to The Toledo Porcelain Enamel Products Company, Toledo, Ohio, a corporation of Ohio

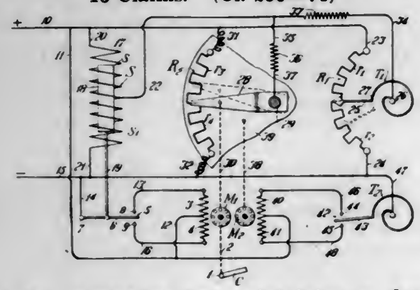
Application April 28, 1938, Serial No. 204,848
12 Claims. (Cl. 189—85)



8. In a device of the class described, in combi-

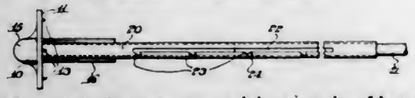
nation, a wall panel having a face portion and a rearwardly extending wing portion, and a plurality of brackets, said brackets each being removably assembled on said wing portion and having a part projecting beyond the area of said face portion, said brackets each being independently shiftable along said wing portion, the projecting part of each said bracket being adapted to receive driven fasteners to secure it to a wall frame, and there being means upon the projecting part of each said bracket adapted after said bracket is secured to a wall frame to receive and retain the wing portion of another panel.

2,151,222
HEAT CONTROL MECHANISM
Everett L. Millard, Highland Park, Ill.
Application February 27, 1937, Serial No. 128,211
13 Claims. (Cl. 236—74)



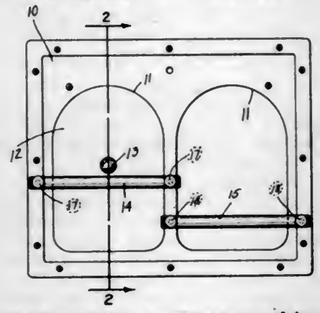
1. An apparatus for maintaining a desired temperature within an enclosure comprising a control member for adjusting the continuous supply of heat to the enclosure, a pair of thermostats each responsive to the same temperature changes within the enclosure, electrically actuated means controlled by one of the thermostats for proportionately adjusting the control member in accordance with the movements of said thermostat, and electrically actuated means controlled by the second thermostat at the limits of a predetermined small temperature range bracketing the desired temperature for resetting the proportional adjusting means to provide a changed normal supply of heat at the desired temperature.

2,151,223
CURTAIN HANGER
John E. Nayman, Sr., Warren, Ohio
Application January 31, 1938, Serial No. 187,821
6 Claims. (Cl. 156—19)



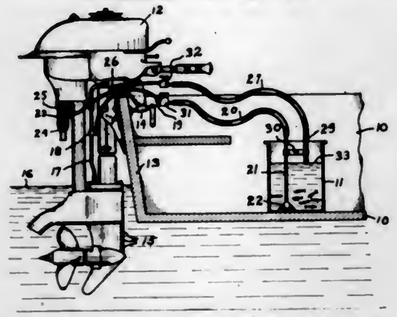
5. A curtain hanger comprising a pair of brackets having flat side portions provided with projections adapted to engage the outer edges of the casing of a window or door, and a tension bar secured at its ends to said brackets and extending between said brackets to cause the same to grip said casing and to serve as a support for the curtain; said tension bar including a plurality of tubes and rods, said tubes and rods being telescopically connected to each other, the tubes each having a plurality of spaced notches and the rods each having a pin adapted to be selectively positioned in one of said notches, and a centrally disposed turnbuckle in threaded engagement with the adjacent members, the notch and pin connection serving to effect an adjustment of the tension bar over a relatively wide range, and the turnbuckle connection serving to effect the positive gripping of the casing by the brackets; the brackets each having an outwardly projecting extension provided with a socket, and an extensible bar for supporting a valance or drapery having its ends positioned in said sockets.

2,151,224
HEAD REST FOR X-RAY MACHINES
John Marshall Neely, Lincoln, Nebr.
Application October 4, 1937, Serial No. 167,187
3 Claims. (Cl. 250—50)



1. A head rest for an X-ray machine, in combination with a mask plate provided with an exposure aperture therein, of a mouth-bite supported upon said plate in position to be gripped between the patient's jaws to position the patient's head with respect to said aperture and support it in immobile position during the X-ray exposure, said mouth-bite comprising a removably mounted horizontally extending bar spaced from the surface of the mask plate and positioned with respect to said aperture for supporting and positioning the patient's head for X-raying the sinuses.

2,151,225
LIVE BAIT CONTAINER
William Newton, Omaha, Nebr.
Application October 25, 1937, Serial No. 170,903
5 Claims. (Cl. 43—4)



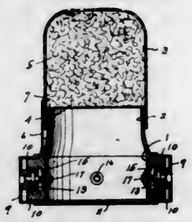
1. Means for supplying fresh water to live fish bait comprising a container, a pipe having an outlet disposed within and adjacent the bottom of said container, a second pipe having an intake disposed within and adjacent the top of said container, said pipes being adapted to be placed in communication with a source of circulating water supply for causing a passage of water through said pipes and container, and means for selectively maintaining said intake away from or toward said bottom for governing the quantity of water in said container.

2,151,226
ATTACHMENT PLUG
John P. Ogle, Glendale, Calif., assignor to Josephine K. Kafoury, doing business as Cord-Away Mfg. Co., Los Angeles, Calif.
Application August 23, 1937, Serial No. 160,467
2 Claims. (Cl. 173—332)



2. An attachment plug comprising a pair of relatively movable and detachably connected tubular sections, spring means surrounding and removably mounted on said sections for holding them together, resisting relative movement thereof and permitting said sections to be separated when removed therefrom, separable male and female fulcrum portions embodied in opposed portions and between the ends of said sections for affording relative pivotal movement of the latter when said spring means is in place and a bodily separation of said sections upon removal of the said spring means, and contact members enclosed in said sections, each of said sections having one opening affording engagement of the contact member thereof with a contact post of an electrical appliance, and another opening affording connection of said contact member with a flexible electrical conductor, each of said sections being longitudinally divided into halves each of which is provided with one of said fulcrum portions and means for securing said halves together.

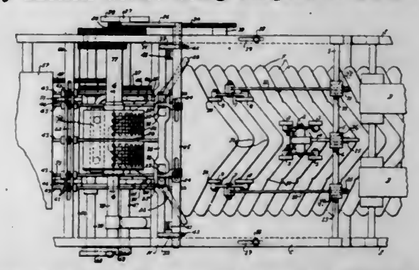
2,151,227
NASAL INSERT
Anthony Pawelek, Houston, Tex.
Application February 12, 1937, Serial No. 125,383
5 Claims. (Cl. 128—148)



3. In a nasal device of the character described, a pair of inserts, each insert being composed of a framework, a series of arcuate shields around each framework, the ends of said shields overlapping, each shield having a tubular boss intermediate its ends, each framework having sockets adapted to receive said bosses, screws mounted in the bosses and adapted to be screwed into said framework.

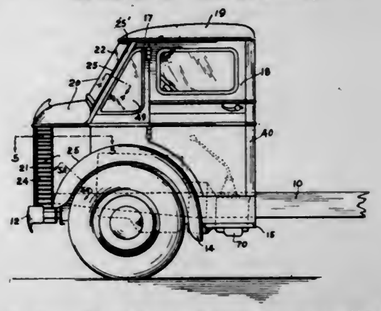
2,151,228
SHEET FEEDING AND FORWARDING MECHANISM
Charles F. Pflanze, University City, Mo.
Application October 31, 1936, Serial No. 108,543
Renewed July 5, 1938
8 Claims. (Cl. 271—1)

1. In a sheet feeding and forwarding mechanism, a feed table, a supply of sheet material delivered to said feed table, a stop device against which said sheet material impinges, means for lifting and advancing the topmost sheet of said sheet material over and beyond said stop device, said means comprising a reciprocatory lifting and advancing suction device in combination with a rotary suction sheet advancing device, said rotary suction device being adapted to seize said



sheet substantially simultaneously with the release of said sheet by said reciprocatory lifting and advancing suction device, so that said sheet will remain in exact longitudinal and transverse position during the advancing movement for presentation in such exact alined position to the further operation of the scoring, folding, or imprinting devices of the machine.

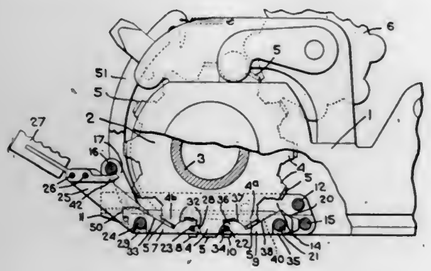
2,151,229
SECTIONALIZED VEHICLE BODY
George S. Piroumoff, New York, and Lester L. Cross, Cortland, N. Y., assignors to Brockway Motor Company, Inc., Cortland, N. Y., a corporation of New York
Application April 14, 1938, Serial No. 202,024
14 Claims. (Cl. 180—54)



1. A vehicle body including a sectionalized forward compartment of the cab-over-engine type of which one section is provided with complementary side wall components that are bridged by a deck component and of which walls the lower edge sections respectively lie adjacent to a different front wheel fender, the forward edge of each such side wall component being shaped to provide for a parting face that extends downwardly from said deck component to its adjacent fender, a demountable frontal closure section abuttingly fitted to match such parting faces and make a joint therealong, said frontal section being unitary in structure to comprise a framed windshield detachably mounted beneath the deck together with a pair of skirt panels respectively extending forwardly in substantial registry beyond a contiguous side wall to leave an upturned access opening between said panels and which opening is closable by a hood, and an engine unit including certain forwardly located accessories therefor that are housed between said skirt panels and beneath the closed hood, said hood when

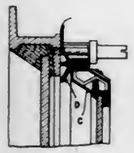
opened allowing said accessories to be serviced therethrough while said frontal section remains in place.

2,151,230
MARKING MACHINE
Claude A. Putnam and Charles F. Robbins, Keene, N. H., assignors to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application July 7, 1937, Serial No. 152,326
9 Claims. (Cl. 101—110)



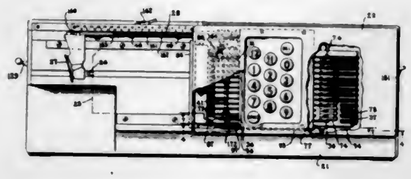
1. A printing head for a marking machine comprising a plurality of independently adjustable type wheels, each having on its periphery type-carrying projections, a type-supporting frame, auxiliary type members removably supported by said frame and shaped to engage and bear against the periphery of the type wheels adjacent the type-carrying projections that are in printing position, whereby the printing pressure to which the auxiliary type members are subjected is transmitted directly to the type wheels, and means securing said frame to said printing head for movement both in a vertical direction to separate the auxiliary type members from the type wheels and in a forward direction to render the auxiliary type members accessible for interchanging them.

2,151,231
WINDOW CONSTRUCTION
William Clifton Randall and Clyde W. Kelly, Detroit, Mich., assignors to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1937, Serial No. 143,216
16 Claims. (Cl. 189—64)



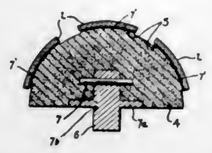
1. The combination with a main window having metallic parts, of an inside auxiliary window having metallic parts registering with a portion only of the metallic parts of said main window, sealing and heat insulating means interposed between the registering metallic parts and having an extension for covering substantially all of otherwise exposed metallic parts of said main window, and securing means for said auxiliary window.

2,151,232
PORTABLE UNIVERSAL ELECTRIC PUNCH
Edwin Otto Roggenstein, Ilion, N. Y., assignor to Remington Rand, Inc., New York, N. Y., a corporation of Delaware
Application September 22, 1936, Serial No. 101,903
29 Claims. (Cl. 164—113)



1. A portable electric key punch, a dry rectifier, and circuit connections whereby said punch may be operated from alternating or direct current.

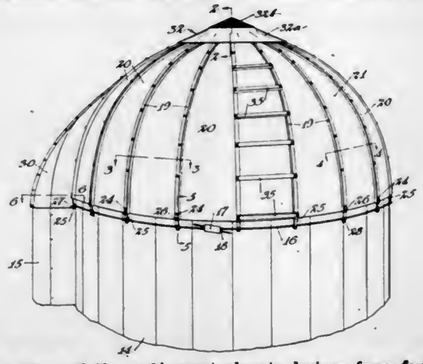
2,151,233
LENS BLOCKING
Louis F. Rowe, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 21, 1937, Serial No. 121,608
3 Claims. (Cl. 51—216)



1. A device for supporting work pieces comprising a body portion having a preshaped attaching seat formed of a mixture of thermoplastic and discrete non-thermoplastic constituents in which portions of some of said discrete particles of the non-thermoplastic constituent, throughout the seat, lie in the plane of and retain the shape of the seat and in which the thermoplastic constituent fills the voids between the discrete particles and, when subjected to heat as from a hot piece of work placed on said seat, is adapted to exude from between the discrete particles and provide means for retaining the work piece in secured relation with said seat with the portion of the particles of the non-thermoplastic constituent in the plane of the seat providing a relatively positive positioning rest for said work piece.

2,151,234
BUILDING STRUCTURE
Peter Rutten and Walter Rutten, Osakis, Minn.
Application June 25, 1936, Serial No. 87,185
14 Claims. (Cl. 108—32)

10. A silo roof of dome form comprising a supporting frame of dome-like structure made up of a plurality of curved ribs having their lower ends arranged at circumferentially spaced intervals around a circle, said ribs being preformed to a predetermined curvature, the adjacent ribs gradually converging towards their upper ends, a covering for said frame, said covering being composed of a plurality of sheet metal sections adapted to form segments of the dome, said sections being formed by flat sheets, and means for securing the sheets to the frame so that the sheets will assume the curvature of the ribs of the frame,



the edges of the adjacent sheets being free from each other.

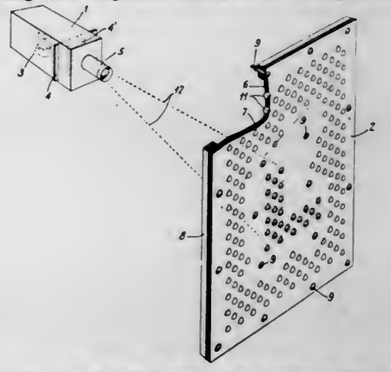
2,151,235
SHOE
Edward P. Schmidt, Milwaukee, Wis., assignor to Racine Shoe Manufacturing Co., Racine, Wis., a corporation of Wisconsin
Application April 29, 1937, Serial No. 139,659
1 Claim. (Cl. 36—71)



In a shoe, an outsole, an insole having an extension positionable beneath the inner portion of the longitudinal arch of the foot, the bottom of said insole having channeling for the inseam ridge on the forward portion only, a separate reinforcing section having the outline of the rear portion of a normal insole secured to the bottom of said insole, the inseam ridge channeling for the rear portion of the shoe being formed on said reinforcing section, a wedging piece of leather or the like interposed between the insole and the reinforcing section at the heel portion of the shoe and extending forwardly alongside of said extension to supplement the extension in throwing the weight of the foot outwardly, and a plurality of rows of rigid pegs on each side at the shank of the shoe extending through said outsole, reinforcing section, wedging piece, and insole for locking said sections together and for preventing lateral shifting of the wedging piece, said pegs being positioned to lend rigidity to the arch of the shoe, whereby the necessity of employing a heavy shank stiffener is eliminated.

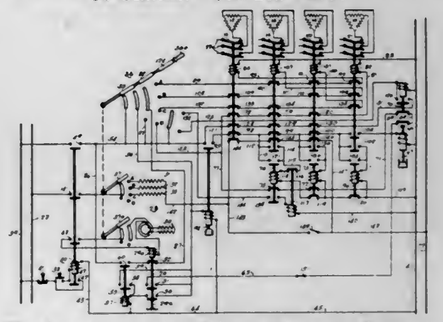
2,151,236
ILLUMINATED SCREEN
William Schwartz and Muray Schwartz, New York, N. Y., assignors of one-third to Francis J. Wallenberger, Buffalo, N. Y.
Application April 8, 1937, Serial No. 135,653
4 Claims. (Cl. 88—24)

1. In an illuminated screen, a pair of spaced parallel rigid plates, each plate being opaque and provided with a plurality of apertures arranged in vertical, horizontal and diagonal alignment, a transparent light concentration element of relatively small size positioned in registration between each pair of opposed apertures of said plates, the opaque area of the plate being sufficiently large to permit the opaque area surrounding the exposed surface of each element



to function as a light mask, and means for compressing said elements between said plates whereby light can pass from one face of the screen to the other solely through said elements.

2,151,237
SYSTEM OF MOTOR CONTROL
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey
Application August 6, 1937, Serial No. 157,762
30 Claims. (Cl. 172—179)

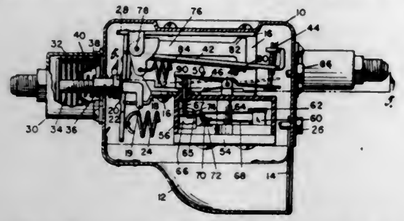


27. A system comprising a source of power, a motor having at least three windings for driving it at at least three different speeds, switching means movable to select any one of said windings for energization from said source, means responsive to the speed of said motor, and relay means, in cooperation with said switching means and said speed-responsive means, operative upon movement of said switching means from a position corresponding with one speed of said motor to a position corresponding with any selected lower speed to effect, when the motor decelerates to said lower speed, energization of the selected lower speed winding, and operative to preclude energization of any other of said motor windings in the interim between said movement of said switching means and aforesaid energization of said lower-speed winding.

2,151,238
DUAL CONTROLLED SWITCH
Burton E. Shaw, Adel, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application December 8, 1936, Serial No. 114,849
8 Claims. (Cl. 200—83)

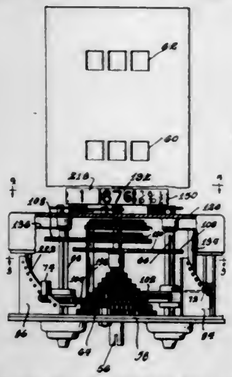
1. In a control switch of the character described, a supporting member having a knife-

edged bearing, a switch actuating arm having a V-seat seated thereagainst, condition responsive means for positioning said switch actuating arm, switch contacts controlled by said switch actuating arm and means comprising a hooklike finger



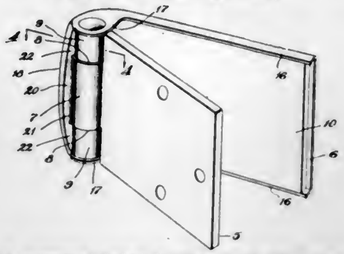
extending from said switch actuating arm for retaining said V-seat closely adjacent said knife-edged bearing said finger engaging said supporting member at a point opposite said knife-edged bearing.

2,151,239
GEARING FOR LIQUID DISPENSING APPARATUS
Edward A. Slye, East Hartford, and Edward Wild and James B. Hoye, Hartford, and Harvey L. Spaunburg, Bristol, Conn., assignors, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application May 27, 1935, Serial No. 23,742
19 Claims. (Cl. 74—283)



1. In speed variator mechanism, the combination of a shaft having gears of varying diameter thereon, a plurality of secondary shafts disposed adjacent said first named shaft, gears slidable with respect to said secondary shafts and selectively engageable with the gears on said first named shaft, gear shifting levers for selectively engaging the gears of said secondary shafts with the first named gears, a driven shaft rotatably mounted on said first named shaft, gears differentially arranged between said driven shaft and said second named shafts whereby the driven shaft is rotated in accordance with the combined rotation of said secondary shafts, indicator means corresponding in number to the number of gear shifting levers, an oscillatable ball loosely mounted on each of said secondary shafts and slidably connected to its adjacent gear shifting lever, and connecting means between each ball and its corresponding indicator means whereby said indicator means shows the setting of said first and second named gears thereby indicating the relative rates of rotation between said first named shaft and said driven shaft.

2,151,240
COVERED JOINT HINGE
Joseph Soss, Roselle, N. J.
Application March 17, 1937, Serial No. 131,307
2 Claims. (Cl. 16—148)



1. In a covered joint hinge employing two butt members having interengaging pintle bearings at one end thereof with a pintle arranged in said bearings for pivotally coupling said butt members, a thin walled shell mounted upon and secured to one of said butt members and including a curved hood portion partially encircling said pintle bearings and arranged in spaced relation thereto, the free edge of said curved hood portion terminating in an inwardly and radially extending flange for closing the space between said hood portion and bearings throughout the length of said bearings at said edge of the hood portion, and the end of said flange being arranged in abutting relation to the pintle bearing of the butt to which said shell is attached and having a slight clearance with the pintle bearing of the other butt member.

2,151,241
PROCESS OF IMPROVING THE PROPERTIES OF CONDENSATION PRODUCTS OF HIGH MOLECULAR SPLIT-OFF PRODUCTS OF ALBUMIN WITH HIGHER FATTY ACIDS AS COSMETIC PRODUCTS
Fritz Sommer, Berlin-Charlottenburg, and Max Nassau, Berlin-Wilmersdorf, Germany, assignors to the firm Chemische Fabrik Grünau, Landshoff & Meyer A. G., Berlin-Grunau, Germany, a company of Germany
No Drawing. Application May 4, 1936, Serial No. 77,786. In Germany November 4, 1935
13 Claims. (Cl. 167—90)

8. A process for improving the properties of condensation products of high molecular split-off products of alubumin of the type of lysalbinic and protalbinic acids with higher fatty acids for use in cosmetic products, by the precipitation of the concentrated aqueous solutions of their alkali metal salts by adding a strong acid, and liquefying the precipitate simultaneously with the formation thereof by increasing the temperature during the precipitation and by dissolving in the precipitate 1–5% of an organic substance to lower the melting point thereof.

2,151,242
AUTOMATICALLY EXTENSIBLE FLY SWATTER
Elie Souply, Broomfield, Colo.
Application August 3, 1938, Serial No. 222,879
4 Claims. (Cl. 43—135)

1. A flyswatter comprising in combination, an elongated handle, a support comprising two parallel members, a swatter element carried by the outer end of the support, two pairs of guide elements, one on each side of the handle, each pair of guide elements cooperating with one of

the support members, resilient means connected with the handle and the support, tensioned to urge the support towards the end of the handle whereby when the support is moved inwardly on



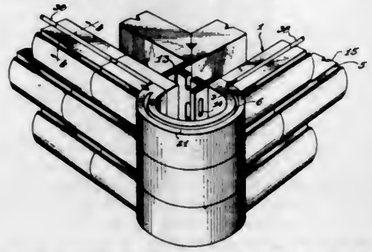
the handle so as to increase the tension of the resilient means and then released, the support will be urged outwardly along the handle, and means for limiting the outward movement of the support.

2,151,243
PROPELLER BLADE
John Squires, Detroit, Mich., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application June 26, 1935, Serial No. 28,393. Divided and this application June 15, 1938, Serial No. 213,865
9 Claims. (Cl. 170—159)



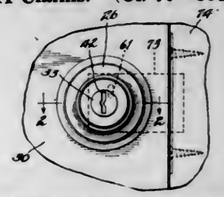
1. A propeller blade including a pressed tubular metal body structure, and an integral preformed substantially solid edge portion conforming in cross-section to air foil contour.

2,151,244
BUILDING STRUCTURE
James H. Stites, Waterford, Mich.
Application April 26, 1937, Serial No. 138,889
2 Claims. (Cl. 72—41)



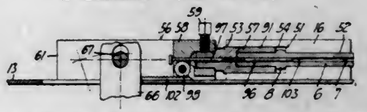
1. In a masonry wall structure, a plurality of masonry blocks, each block having a portion rectangular in cross section and said portions being laid in superposed relation to form a wall structure, each block having a second projecting portion on the exposed side of the block extending substantially throughout the horizontal length of the block and having an outer face substantially on a vertical radius, said second portion having a vertical dimension less than the vertical dimension of the block, the ends of the blocks being in substantially abutting relationship so that the projecting portions of blocks in a tier present elongated unbroken surfaces lengthwise of the wall, each block having a groove formation substantially at the line of connection between the portions and mortar between the second named portions of superposed blocks substantially filling a reentrant recess formed by the facing grooves of superposed blocks, said mortar being exposed for a substantial vertical distance to divide the said unbroken surfaces presented by the projecting portions.

2,151,245
LOCK
Charles Swilens, Chicago, Ill.
Application November 17, 1937, Serial No. 174,985
11 Claims. (Cl. 70—364)



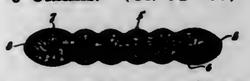
1. A lock comprising a casing, a cylinder within said casing, a plurality of tumblers within said cylinder normally engaging said casing, a key post within said cylinder, said key post being adapted to receive a key to engage said tumblers for disengaging the same from said casing, and a severable connection between said key post and said cylinder operable by said key post upon actuation thereof by the key.

2,151,246
FORMING MACHINE
Charles E. Thomas, Grass Valley, Calif.
Application April 20, 1936, Serial No. 75,320
2 Claims. (Cl. 76—5)



1. A forming machine comprising a frame, a pair of dies on said frame together defining a cavity, means for separating said dies, a plunger movable into said cavity, means for moving said plunger into said cavity, a rod within said plunger, and gearing connected to said rod, said plunger and said frame for moving said rod at a greater rate than said plunger.

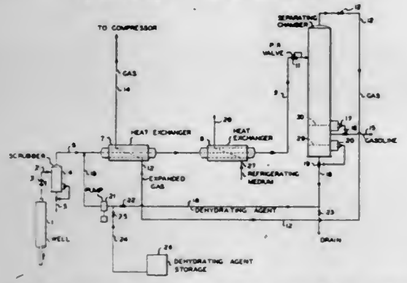
2,151,247
HORSE-COLLAR PAD
Harold Sloane Thomas, Chatham, Ontario, Canada, assignor to The American Pad & Textile Company, Greenfield, Ohio, a corporation of Ohio
Application August 9, 1937, Serial No. 158,050
6 Claims. (Cl. 54—65)



1. A horse collar pad or the like comprising a cover enclosing two layers of stuffing: a bottom

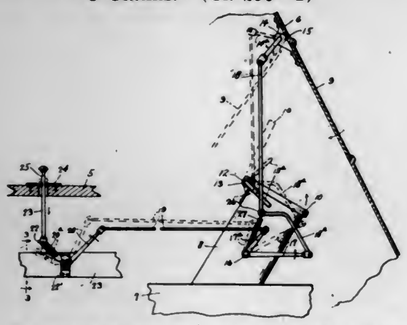
or facing layer consisting of light, resilient material, and an upper layer of denser, more inherently absorbent material.

2,151,248
HIGH-PRESSURE GAS PROCESS
William H. Vaughan, Palestine, Tex., assignor to Tidewater Associated Oil Company, Tulsa, Okla., a corporation of Delaware, and Seaboard Oil Company of Delaware, Dallas, Tex., a corporation of Delaware
Application August 12, 1938, Serial No. 224,471
10 Claims. (Cl. 62—175.5)



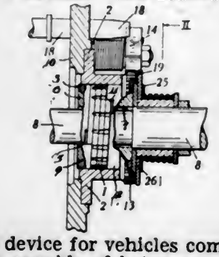
1. The process of recovering desirable liquefiable constituents from natural gas containing water and which is initially at a high pressure within the retrograde condensation range of said constituents which comprises, intimately mixing with said gas a dehydrating agent which is substantially immiscible with said constituents, cooling the resulting mixture of gas and said agent sufficiently to condense said constituents, maintaining said high pressure on said gas during said cooling, thereafter reducing said high pressure substantially only within the retrograde condensation range of said constituents at the reduced temperature, and separating the resulting condensed constituents from uncondensed gas and dehydrating agent.

2,151,249
GASOLINE TANK CAP OPERATOR
John Peter Vidmar, Mountain Iron, Minn.
Substitute for application Serial No. 39,486, September 6, 1935. This application December 8, 1938, Serial No. 244,670
5 Claims. (Cl. 296—1)



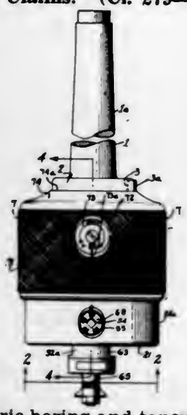
1. In combination with a fuel tank having a hinged closure, a rear vehicle panel concealing said tank and provided with a hinged door through which access to the tank may be had; remote control means connected with said door and the tank cap for moving said door and cap either to open or closed position, optionally, and including means for effecting a delayed movement of the cap to open position.

2,151,250
SPRAG DEVICE FOR VEHICLES
Arthur Jack Warwick, London, England, assignor to Stancliffe Free-Wheeling Limited, London, England
Application July 7, 1937, Serial No. 152,322
In Great Britain July 15, 1936
2 Claims. (Cl. 192—4)



1. A sprag device for vehicles comprising a coil spring clutch capable of being energized to prevent backward movement of the vehicle, a ratchet, a detent capable of cooperating with said ratchet to energize said coil spring clutch upon backward movement of the vehicle, means for maintaining said detent out of engagement with said ratchet, said means being rendered incapable of such maintenance by the performance of a single essential operation, which the driver has to perform before the vehicle can be moved off under power.

2,151,251
UNIVERSAL BORING TOOL
George J. Weidner, Cincinnati, Ohio
Application March 8, 1937, Serial No. 129,629
5 Claims. (Cl. 279—6)



1. An eccentric boring and tapering tool adapted to bore cylindrical and taper holes of various diameters comprising a shaft, a plug fixed on said shaft and rotatable therewith, a gear block slidable on said plug and rotatable with said shaft, a gear rotatably mounted on said gear block and rotatable with said shaft, a tool support slidable on said gear block rotatable with said shaft, a casing fixed to and rotatable with said plug, a stop supported on said gear block, screw adjusting means coacting with said stop to vary the position of said tool support with said shaft,

cams fixed to and rotatable with said gear to move said gear block and tool support with relation to said shaft when said gear is rotated, an annular housing rotatably mounted on said shaft and adapted to be held stationary while said shaft is rotating and a worm fixed inside of said annular housing to rotate said gear and cams while said annular housing is held stationary and said gear and cams are rotating with said shaft to move said gear block and tool support transverse to said shaft.

2,151,252
ALKYL HALIDES CONTAINING A QUATERNARY CARBON ATOM
Frank C. Whitmore, State College, Pa., and August H. Homeyer, St. Louis, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri
No Drawing. Application August 14, 1935, Serial No. 36,132
8 Claims. (Cl. 260—652)

1. An alkyl halide corresponding to the type formula:

$$R_3C—(CH_2)_n—CHY—CH_2X$$

wherein R indicates a lower alkyl, n is equal to or greater than 1, Y is an element selected from the group composed of hydrogen and the halogens, and X is a halogen.

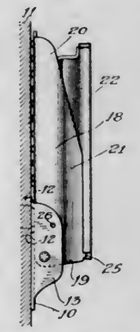
2,151,253
MATERIAL HANDLING METHOD
Paul V. Whitney, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application October 28, 1936, Serial No. 108,041
1 Claim. (Cl. 214—152)



The method of conveying zinc oxide without vibration which comprises introducing the material into a trough having a spiral conveyor flight therein which makes a close fit with the trough walls and has a rough edge to cut into the zinc oxide which coats the trough walls, and rotating said spiral conveyor flight to convey said zinc oxide while said rough edge cuts into said coating.

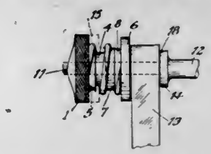
2,151,254
SHOE CLEANING DEVICE
Frank B. Williams, Chicago, Ill.
Application March 5, 1938, Serial No. 194,042
1 Claim. (Cl. 15—265)

An article of the class described, comprising a relatively short base adapted for vertical mounting attachment and formed with a pair of horizontally spaced apart parallel perpendicularly extending arms, and a shoe rest mounted between said arms and in pivotal engagement therewith about a fixed axis, the said shoe rest being substantially in the form of a channel and of greater length than said base, the outer web face thereof being formed with a tractive surface, the flanges thereof extending downwardly and being formed with a longitudinal inwardly extending depression terminating at one edge in inwardly struck stop fingers and adapted to slidably receive and hold nested a shoe polisher formed



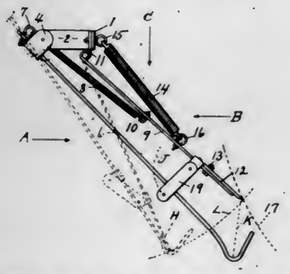
with complementary slots along the sides of the back handle portion thereof, the said arms and flange ends adjacent thereto being formed with a means to lock the shoe rest in vertical inoperative position, the flange edges being arranged and adapted to co-act with the base to maintain the upper surface of the shoe rest at an angle to the horizontal, the flange faces adjacent the outer end of said foot rest being partially cut away in tapering relationship to the forward edge thereof to expose a portion of the shoe polisher back to adapt it to be readily withdrawn from nested position.

2,151,255
SPRING NUT
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan
Application January 3, 1939, Serial No. 249,039
3 Claims. (Cl. 85—32)



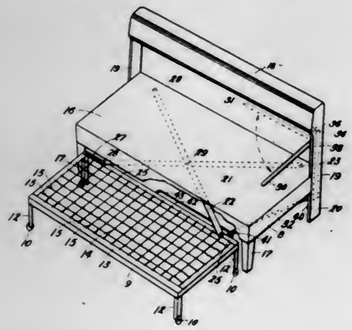
1. A spring nut comprising in combination an internally threaded section having a circular boss formed with an annular peripheral channel and having a tubular shank projecting axially from the boss, a washer member comprising a flange and a tubular boss engaging telescopically with said shank and being formed with a peripheral channel adjacent said flange, a helical spring enclosing said boss and shank, and connecting said internally threaded section and said washer member in normally extended relation, the ends of said spring being releasably engaged by snap action in said channels, the end convolutions of said spring being tapered and directed inwardly to effect such snap action.

2,151,256
WHEEL SCRAPER
Alexander Wolf, Lehigh, Kans.
Application April 1, 1938, Serial No. 199,531
4 Claims. (Cl. 280—158)



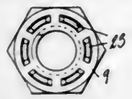
2. In a wheel scraper, a stock and a guard coactingly arranged to remove substance from the rim of a wheel, a removable blade connected to one end of the stock, the said guard having a lateral bend at its terminating end adjacent the blade, means to carry the other end of said guard and stock in working relation to the wheel, means to move the blade toward the guard when said guard is impinged by abnormal obstruction carried by the wheel.

2,151,257
COUCH
Elmer T. Wuest and Herbert A. Wuest, Cincinnati, Ohio, assignors to Adam Wuest, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 31, 1936, Serial No. 61,798
16 Claims. (Cl. 5—18)



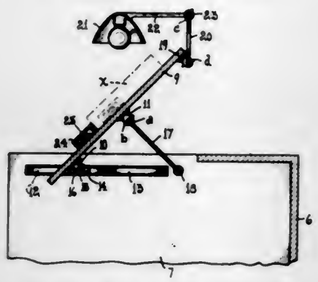
1. A convertible couch comprising in combination a stationary frame including a seat portion and a supporting standard in angular relationship to the plane of the seat portion, a shiftable frame arranged for movement to extended and retracted positions relative to the stationary frame, bearing means fixed relative to said supporting standard, an upright pivot rod rotatably supported by the bearing means, a hand lever and a swing bar supported by said upright pivot rod at different elevations upon the pivot rod, said hand lever being elongated so as to make a wide swing over and above the seat portion of the stationary frame, to a position such as an arm rest normally occupies, and means cooperating with the swing bar to effect an extension of said shiftable frame upon rotation of the upright pivot rod by the hand lever upon being swung to the position stated.

2,151,258
NUT AND LIKE MACHINE ELEMENT AND METHOD OF MAKING
Leonard A. Young, Detroit, Mich.
Application October 27, 1937, Serial No. 171,353
28 Claims. (Cl. 10—78)



25. The method of forming annular machine elements comprising the steps of forming metal stock into an annular blank with interlapping joint parts, upsetting the blank axially to cause the metal to flow radially while confining the blank in a shaping die, and during the upsetting and shaping swaging recesses in an end face of the element spaced from the inner edge thereof and thereby further causing the metal to flow radially and conform to the die, at least one of the recess forming swagings being positioned relative to the joint so as to interlock the joint parts by displacement and/or reforming of the metal thereof.

2,151,259
BOOK RACK
Raymond G. Young, Omaha, Nebr., assignor of one-half to Carlton P. Swiler, Jr., Omaha, Nebr.
Application January 8, 1938, Serial No. 183,996
2 Claims. (Cl. 240—4)

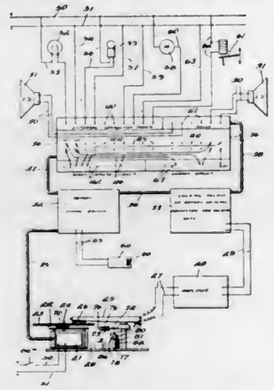


1. In combination with a pair of connected, upright supports providing a recess therebetween, a plate disposed between and mounted on the supports, a pair of links pivotally mounted on the plate, a lamp-holding reflector having a pair of arms pivotally mounted on the links, and movable, co-operating elements on the supports and said plate whereby said lamp-holding reflector and links may be swung upwardly above the supports, or may be swung downwardly into said recess.

2,151,260
ELECTRIC ROBOT PHONOGRAPH
Lloyd J. Andres, Chicago, Ill., and Gilbert A. Magruder, Grand Rapids, Mich., assignors to Automatic Instrument Company, a corporation of Michigan
Application May 18, 1936, Serial No. 80,360
20 Claims. (Cl. 274—1)

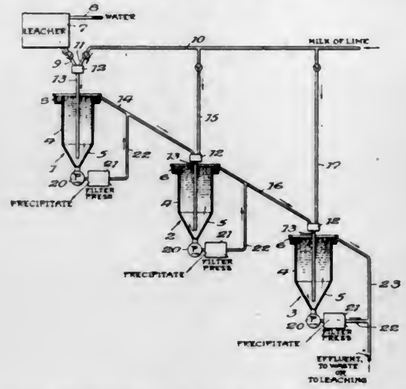
1. An electric robophone comprising a phonograph, a pair of rotary multiple contact switches, electro-responsive means for operating the switches step by step, rotary contact means carried by the phonograph for energizing the electro-responsive means a number of times as a record

is played, and circuit means for making the electro-responsive means of one switch depend-



ent upon the step by step movement of the preceding switch.

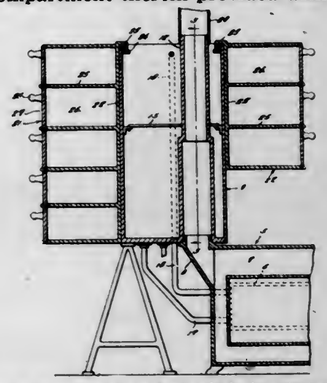
2,151,261
RECOVERING METAL VALUES
Leland D. Bartlett, Santa Rita, N. Mex.
Application February 5, 1938, Serial No. 189,016
13 Claims. (Cl. 75—108)



1. In the recovery of metal values from dilute solutions containing the same as sulfates with production of a purified effluent, the process which comprises establishing and maintaining a flow of such an aqueous solution through a series of collecting chambers and adding to the liquid in transit prior to entrance into such a chamber an amount of lime, in aqueous solution, substantially equivalent stoichiometrically to the amount of one of said metals in solution, so as to precipitate oxides of only one such metal, and removing such precipitate, the operation being repeated until all desired metals are removed.

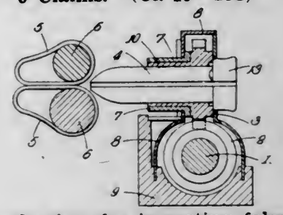
2,151,262
HEAT UTILIZING APPLIANCE FOR RANGES
Jacob J. Bradley, Quakertown, Pa.
Application December 7, 1937, Serial No. 178,583
1 Claim. (Cl. 126—365)

In combination with the water back of a range, a tank, said range being provided with a flue, said flue extending through the tank, and circulatory pipes extending from the tank to the water back, said tank being provided with an elongated narrow compartment therein provided with a stack,



said compartment and stack being interposed in the range flue.

2,151,263
MECHANISM FOR IMPARTING FALSE TWIST TO TEXTILE ROVINGS
Fernando Casablancas, Manchester, England, assignor to Casablancas High Draft Co., Ltd., Manchester, England, an English corporation
Application February 3, 1937, Serial No. 123,917
In Spain February 15, 1936
6 Claims. (Cl. 19—154)

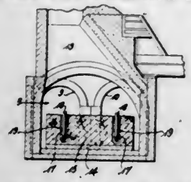


4. In mechanism for imparting false twist to textile rovings the combination of a hollow sleeve member mounted for rotation about a generally horizontal axis, means for rotating the said sleeve member, and a false twist member slotted along its length and adapted to be inserted into and to be supported by the sleeve member, one of said members being formed with a recess and the other of said members being formed with a projection adapted to enter into the said recess when the false twist member is fully introduced into the sleeve member, the arrangement being such that the sleeve member continues to support the false twist member after the latter has been withdrawn sufficiently to disengage the projection from the recess to interrupt the driving connection between the two members.

2,151,264
METHOD OF CLEANING OUT SLAG OR CINDER POCKETS OF OPEN HEARTH HEATING FURNACES
William Curran Cavanagh, Washington, Pa., assignor to Cardox Corporation, a corporation of Illinois
Application October 5, 1937, Serial No. 167,436
21 Claims. (Cl. 263—52)

1. The method of cleaning out deposits in slag or cinder pockets of open hearth heating furnaces which comprises the steps of confining in a container a charge of highly compressed gas, and

suddenly liberating said gas into a depression formed in the mass of solidified slag or cinders,



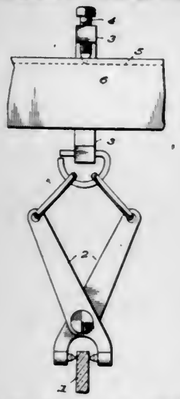
whereby expansion of the gas will reduce the mass to chunks of a size which may be readily removed from the pockets.

2,151,265
SAFETY RAZOR
Holger V. Clausen, Bucaramanga, Colombia
Application July 3, 1937, Serial No. 151,899
3 Claims. (Cl. 30—59)



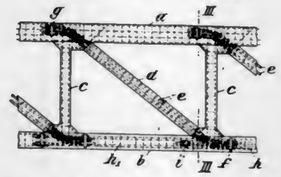
1. In a razor, the combination of a guard having oppositely disposed arcuate arms, rollers mounted one at the end of each of said arms, upstanding arms formed integrally with said first mentioned arms and extending above the same, a blade supported on said last mentioned arms, a clamping plate pivotally mounted on said guard overlying said blade and provided with a roller to engage the face of the user, and projections on the upper surface of said clamping plate on the opposite sides of the roller also adapted to engage the face of the user.

2,151,266
APPARATUS FOR TEMPERING GLASS
William Borthwick Clitherow, St. Helens, England, assignor to The American Securit Company, Washington, D. C., a company of Delaware
Application September 16, 1936, Serial No. 101,168
In Great Britain September 19, 1935
5 Claims. (Cl. 49—14)



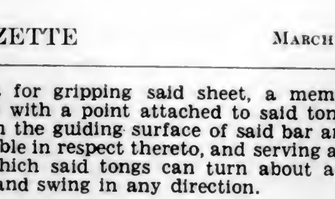
5. A suspension device for supporting a glass sheet for tempering comprising a supporting bar provided with a longitudinal guiding surface, tongs for gripping said sheet, a member provided with a point attached to said tongs bearing in the guiding surface of said bar and freely movable in respect thereto, and serving as a pivot on which said tongs can turn about a vertical axis and swing in any direction.

2,151,267
TRUSS GIRDER AND METHOD OF PRODUCING THE SAME
Ulrich Finsterwalder, Berlin-Wilmersdorf, Germany
Application June 10, 1937, Serial No. 147,580
In Germany March 13, 1936
9 Claims. (Cl. 72—110)



1. A method of producing a ferro-concrete truss girder comprising first forming a girder structure consisting of compression bars of ferro-concrete and tension bars of iron only, then loading the structure, and then sheathing the tension bars with concrete.

2,151,268
CHAIN PIPE WRENCH
Frank L. Cook, South Bend, Ind.
Application September 15, 1937, Serial No. 164,073
2 Claims. (Cl. 81—68)

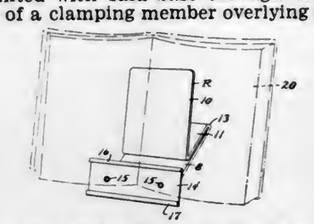


1. A chain wrench comprising a lever having a head at one end thereof, a link chain connected to the head, the upper face of the head having teeth thereon, teeth on the links of the chain cooperable with the first named teeth when the chain extends longitudinally of the upper face, a channel formed in the sides of the head and terminating in vertically disposed shoulders, a slidable collar on the head of a size to snugly receive the chain therethrough for maintaining the teeth in engagement and said collar having a lug disposed within the channel.

2,151,269
DISPLAY RACK FOR BOOKS AND THE LIKE
Chester A. Grant, Syracuse, N. Y., assignor to Gaylord Brothers, Inc., Syracuse, N. Y., a corporation of New York
Application July 19, 1937, Serial No. 154,486
2 Claims. (Cl. 45—57)

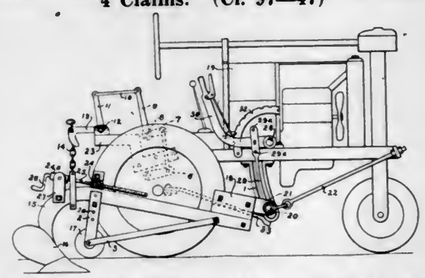
1. As a new article of manufacture, a display rack for books and similar articles, said display rack being composed of sheet metal and including a base having an upwardly extending wall at the forward edge thereof, and a backrest spaced rearwardly from said forward wall and extending generally upwardly from said base, said backrest

being united with said base through the intermediary of a clamping member overlying the rear



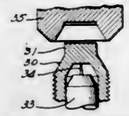
portion of said base and adapted to have yielding movement towards and away from said base.

2,151,270
PLOW
George H. Hamill, Grandfield, Okla.
Application August 19, 1936, Serial No. 96,869
4 Claims. (Cl. 97—47)



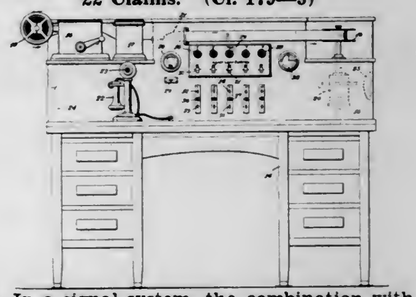
1. A multiple plow, cultivator or the like comprising front and rear cross members, beams pivotally mounted upon the front cross member, connecting means between the rear cross member and beams, shovel blades carried by the beams, means for turning the rear cross member to raise and lower the shovel blades, arcuate guides receiving the front cross member, control means for adjusting the front cross member along the guides to adjust front ends of beams, and bracing means for said front cross member and connected with opposite ends thereof and permitting upward arcuate movement thereof in the guides.

2,151,271
METHOD OF MAKING A PILOT LIGHT BURNER
Edward Hassig, Milwaukee, Wis., assignor to Wetmore Reamer Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 5, 1935, Serial No. 52,996
1 Claim. (Cl. 29—157)



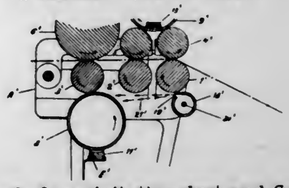
The method of making a pilot burner nozzle which consists in forming a hollow fitting of soft metal with one closed end, introducing a punch of circular cross section tapering to a minute diameter into the fitting, pressing the closed end of the fitting on to the punch under pressure adequate to close the pores of the metal adjacent the path of the punch and to uniformly densify such metal about the path of the punch, thereby forming a recess in the under surface of the closed end of said fitting, and subsequently removing the outer surface of the closed end of said fitting to expose the tip of said recess at a diameter so minute that pores, if present, would render the resulting orifice objectionably irregular and to finish about the remaining orifice the densified metal of said fitting, the resulting orifice being symmetrically circular in cross section with sharply defined walls free of pores and a diameter too small to be bored in commercial production.

2,151,272
SIGNAL SYSTEM
Timothy A. J. Hayes, deceased, late of Boston, Mass., by Josephine Hayes Greene, administratrix, Newton, Mass., assignor to Edmund C. Mayo, Providence, R. I.
Refiled for abandoned application Serial No. 624,028, July 22, 1932. This application November 23, 1938, Serial No. 242,108
22 Claims. (Cl. 179—5)



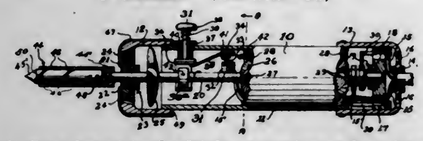
1. In a signal system, the combination with a patrol box adapted to be opened and closed and provided with a telephone set, a station house provided with a telephone set, a normally open circuit connecting the box and the house, and a switch operated by the opening of the box to close the circuit and place the telephone sets therein, of means actuated from the house for inducing alternating current in the circuit to make a howl in the box telephone receiver when the box is open.

2,151,273
METHOD OF AND DEVICE FOR COLLECTING DUST AND FLY, PARTICULARLY IN TEXTILE FACTORIES, AS SPINNING MILLS
Otto Heinrich Hess, Winterthur, Switzerland, assignor to the firm Actiengesellschaft Joh. Jacob Rieter & Cie. Winterthur, Switzerland
Application June 29, 1937, Serial No. 151,002
In Germany July 1, 1936
2 Claims. (Cl. 19—140)



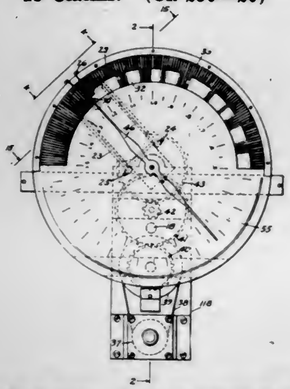
1. Method of precipitating dust and flying particles in drawing machines comprising electrostatically charging a cleaning roller contacting the periphery of a drawing roller of the drawing machine and driven thereby, so that the dust and flying particles are attracted and retained, directly adjacent a point at which they arise, and blowing dust and flying fibers from other points of the drawing machine at which they arise into the effective field of the electrostatically charged cleaning roller.

2,151,274
ROTARY TOOL
Earl Edward Hindman, Washington, D. C.
Application January 15, 1936, Serial No. 59,286
5 Claims. (Cl. 172—36)



1. In a hand tool which comprises a hand case, an axial revoluble tool-carrying shaft mounted therein, a motor operatively connected with the shaft, means to control the motor: a combined control operating means and brake including a finger-operated plunger, brake means on the plunger in operative relation to the shaft, a yielding member operatively connected with the plunger and the control, said brake being in lost motion relation to the shaft, whereby the brake will engage by continued movement of the plunger after beginning of operation of the motor, and means to retract the brake.

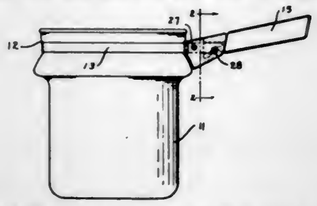
2,151,275
RADIO STATION CENTER TUNING CONTROL
Arnold Lesti, Los Angeles, Calif.
Application April 17, 1937, Serial No. 137,509
13 Claims. (Cl. 250—20)



3. A radio station indicator comprising in combination, a series of shutters, a radio receiver having a tuner, a movable electro-magnet coupled to the said tuner and having means cooperating therewith to move any of the said shutters, when operated, corresponding to stations received by the said tuner, and means for holding any of the said moved shutters from returning to their normal positions whereby a simultaneous indication of shutters is attained corresponding to radio stations received.

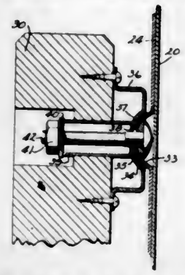
2,151,276
HANDLE FOR COOKING UTENSILS
Deo R. Mattoon, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Original application October 22, 1937, Serial No. 170,473. Divided and this application August 25, 1938, Serial No. 226,810
4 Claims. (Cl. 16—116)

1. In a handle structure for a cooking utensil, a metallic strap encircling the utensil and terminating in lugs extending outwardly from the surface of the utensil, a handle having channels formed in one end thereof adapted to receive said



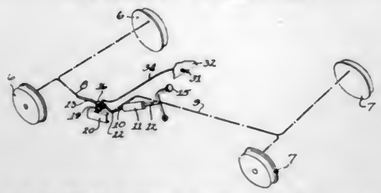
lugs, and clamping means enclosing said lugs and a portion of said handle and clamping them together.

2,151,277
HIGHWAY MARKER
Henry G. Meigs, West Allis, Wis.
Application October 17, 1935, Serial No. 45,450
3 Claims. (Cl. 40—125)



1. In a device of the character described, the combination with a highway marker including a symbol plate and an embossed mounting member disposed rearwardly of the plate, of a bracket providing a complementary embossed mounting member, said members being apertured, and a bolt of smaller diameter than at least one of the apertures, whereby to permit of relative movement between said members, said bolt projecting rearwardly from the plate through the apertures in clamping engagement through said members to hold them in frictional adjusted relation, the plate being continuous across the head of the bolt.

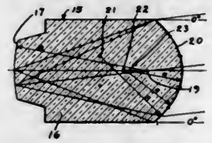
2,151,278
VALVE CONTROL MECHANISM
Edgar A. Milhaupt, Appleton, Wis.
Application March 27, 1937, Serial No. 133,354
14 Claims. (Cl. 188—152)



1. In a fluid control system, the combination with a valve casing provided with a seat and a valve within said casing movable by gravity to and from said seat, of a support provided with means pivotally mounting said casing for tilting movement, and means wholly externally of said casing for tilting said casing sufficiently for actuating said valve to and from said seat, said casing having supply and discharge connections

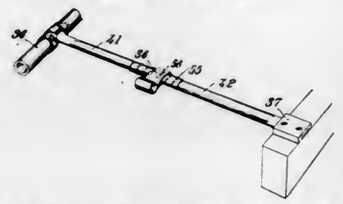
provided with portions relatively movable for the accommodation of the tilting movement of the casing.

2,151,279
REFLECTING UNIT
Emilio Pascucci, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 25, 1934, Serial No. 727,536
1 Claim. (Cl. 88—82)



An autocollimating reflex device comprising a refracting objective portion having a convex objective face which is of aspheric curvature in a section thereof on a plane containing the longitudinal axis of the device and of circular curvature in a section on a plane at right angles to the first plane and also containing the said axis, the principal focus of the aspheric curvature being coincident with the principal focus of the circular curvature, and a reflective portion having its reflecting surface in the said second section curved concentrically with the circular curvature of the objective face at a distance behind the objective face measured along the longitudinal axis of the device such that the reflective surface contains the said coincident foci.

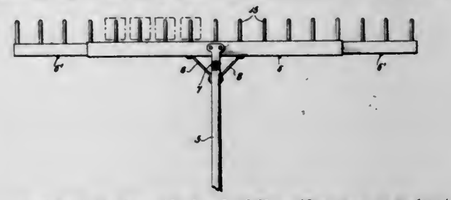
2,151,280
MEANS FOR DAMPING THE VIBRATIONS OF PIPES
Auguste Louis Marie Antoine Rouy, Paris, France
Original application December 23, 1935, Serial No. 55,876. Divided and this application July 9, 1937, Serial No. 152,833. In Luxemburg October 16, 1935
7 Claims. (Cl. 188—1)



1. In a structure including a pipe and a machine by which said pipe is supported, a device for damping vibrations of said pipe caused by said machine which comprises, in combination, friction members rigid with said pipe and said machine, respectively, and spring means for causing said members to rub against each other with a given pressure.

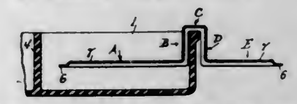
2,151,281
CAN HANDLING FORK
Harry A. Stalkfleet, Lawrence, Kans., assignor of one-half to Lee Stalkfleet, Muscatine, Iowa, and one-fourth to Delbert F. Reed, Lawrence, Kans.
Application February 5, 1938, Serial No. 189,011
11 Claims. (Cl. 294—49)

7. A can handling fork comprising a hollow, elongated head having a longitudinally extending slot formed in a wall thereof, a plurality of pegs extending through said slot, cooperating means carried by each peg and the interior of the head



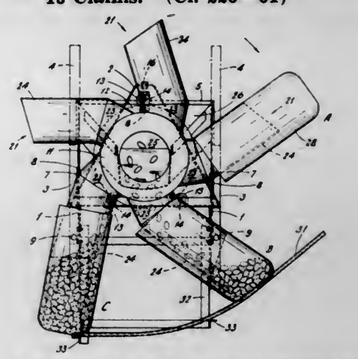
throughout its length for holding the pegs against unintentional removal from the head and for locating the pegs in desired positions of adjustment relative to each other.

2,151,282
MANUFACTURE OF FROZEN CONFECTIONS
Floyd R. Stamp, Wabash, Ind.
Application May 9, 1938, Serial No. 206,874
9 Claims. (Cl. 107—19)



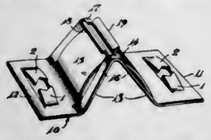
1. In the art of frozen-confection making, a freezing tray having pockets, a stick comprising a section to lie within a pocket and spaced from the walls of the pocket, another section to lie over an edge of the tray, and a connecting section lying parallel and adjacent to the wall of the tray over whose edge said another section lies, said connecting section being shorter than said first mentioned section and serving to connect said first mentioned section to said another section, said another section constituting a handle by which the frozen confection may be manipulated.

2,151,283
FILLING MACHINE
Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 30, 1937, Serial No. 156,530
13 Claims. (Cl. 226—61)



1. In a filling machine, a rotary drum forming a hopper, and a series of pocket-forming tubes opening into the periphery of said drum and extending at an angle to the radii of said drum in trailing relation to the direction of rotation of the drum, said tubes projecting outwardly from said drum into bag receiving position.

2,151,284
SPRING CATCH
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application August 3, 1938, Serial No. 222,893
13 Claims. (Cl. 292—17)



13. In a spring catch, a keeper for engaging a cooperating strike, said keeper comprising an originally plate-like body having a pair of elements in end to end relation originally, said body having a bend in the region of said elements causing said elements to be disposed in face to face position in the bent condition of the body whereby the elements may frictionally engage the strike to retain the same in holding position.

2,151,285
LUBRICATING METAL SURFACES DURING COLD-WORKING
Norbert F. Toussaint, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 26, 1937, Serial No. 128,028
8 Claims. (Cl. 205—21)

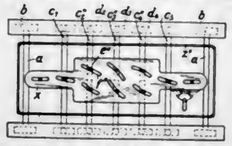
1. In cold-working a metal subsequently to be annealed, the improvement which comprises lubricating the surfaces of the metal being worked by establishing and maintaining thereon a film of lubricant comprising a petroleum lubricating oil which would normally tend to deposit gum on and stain said metal surfaces during annealing thereof and rendering said petroleum lubricating oil non-staining by incorporating therein an oil-soluble metallic soap siccative in a small but sufficient proportion substantially to retard the deposition of gum under annealing conditions.

2,151,286
LOW SHOE
Seymour Troy, New York, N. Y.
Application December 13, 1937, Serial No. 179,421
1 Claim. (Cl. 36—45)



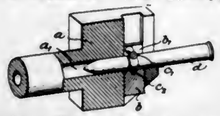
A low shoe comprising a sole, a heel, and an upper having a smooth surface over the instep, the top edge of the upper being higher than such edge in a low shoe of normal standard construction over the instep and the top edge of the upper being lower than such edge in a low shoe of normal standard construction at the heel whereby said higher and lower edges of the upper grip the foot of the wearer at the instep and heel, respectively, in such manner as to releasably retain the shoe on the wearer's foot, while said lower rear edge portion of the upper engages the heel of the wearer back of the oscalcis bone below the top thereof.

2,151,287
STEERING DEVICE FOR ENDLESS TRACK DRIVEN VEHICLES
Wolfram von Bleichert, Leipzig, Germany, assignor to Walter Agahd, Berlin, Germany
Application January 9, 1936, Serial No. 58,389
In Germany January 15, 1935
9 Claims. (Cl. 180—9.1)



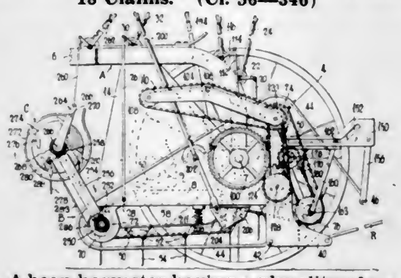
1. In a steering means for endless track-driven vehicles, endless chains, fixed guide wheels for the said chains at either end of the vehicle, rollers intermediate of the said wheels for supporting the said chains over their length, shiftable intermediate axles supporting the said rollers, and means for shifting the said axles transversely of the said vehicle and for deflecting the said rollers to varying extent from the longitudinal direction of the vehicle for varying the transverse spacing between opposite rollers on the intermediate axles in such a manner that when the vehicle is steered into a curve the radius of the said rollers on the inside of the curve is smaller than that of the rollers on the outside of the curve.

2,151,288
GUN LOADING DEVICE
Carl Waninger, Dusseldorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application May 1, 1937, Serial No. 140,227
In Germany September 12, 1930
8 Claims. (Cl. 89—33)



1. Mechanism for entering cartridges in the breech chamber of a gun comprising a plurality of rollers arranged in the breech around the axis of the gun barrel with their axes of rotation transverse to the said gun axes, means for rotating the rollers, means for moving the rollers translationally away from and towards the cartridge, and spring means for pressing at least one of the rollers against the cartridge to be entered.

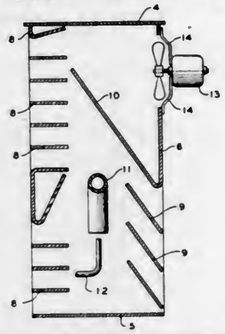
2,151,289
BEAN HARVESTER
Clemenes A. Warnke, Grand Rapids, Mich.
Application February 28, 1938, Serial No. 193,175
18 Claims. (Cl. 56—346)



1. A bean harvester having a plurality of spaced

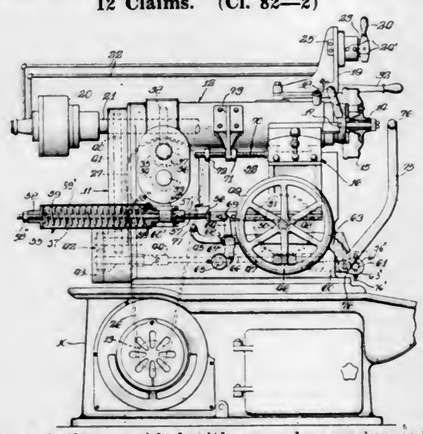
rods comprising means for picking bean vines off the ground and conveying them over said rods, and means for shaking said rods while said vines are being conveyed thereover.

2,151,290
CIRCULATING HEATER
Malcolm P. Youker, Bartlesville, Okla.
Application July 16, 1937, Serial No. 154,038
2 Claims. (Cl. 126—110)



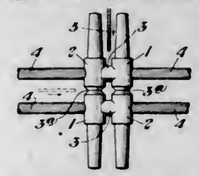
1. A circulating heater comprising a casing, a heating compartment in the lower portion of said casing, a heating element in said compartment, a blower compartment in the upper portion of said casing, an inlet opening in the rear wall of said blower compartment, a blower adjacent said inlet opening, a discharge opening in the front wall of said casing common to both compartments, and an inclined baffle separating said compartments and terminating with its forward edge adjacent said common discharge opening for deflecting heated gases of combustion towards said discharge opening, whereby atmospheric air from the room being heated is drawn through said inlet opening and delivered to said discharge opening for mixing with said heated gases of combustion.

2,151,291
MACHINE TOOL
Lewis B. Ades, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application August 28, 1937, Serial No. 161,477
12 Claims. (Cl. 82—2)



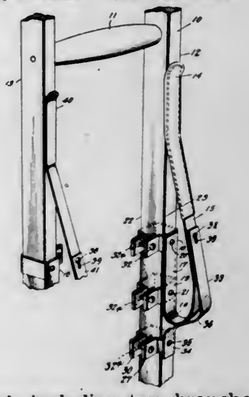
1. A lathe provided with a work carrying spindle, a power drive therefor having a starting button, a manually operated clutch for said drive and a manually operated power chuck for the spindle, a reciprocating tool carriage provided with a first means connected with the drive for effecting a slow feed movement, a second means including a resilient member for effecting a rapid return movement, and releasable manually operated means for setting the first means in position for a feeding movement, said work carrying spindle and said starting button together with all said manually operated means being located at the loading end of the machine so that an operator standing in one position at said loading end can control all of the mechanical movements governed thereby.

2,151,292
METHOD OF MAKING RAIL BONDS
Alan E. Brickman and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 13, 1936, Serial No. 85,160
2 Claims. (Cl. 29—169)



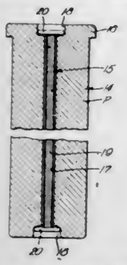
1. A method of making rail bonds, including die-casting pairs of right and left hand terminals so that they are all joined together by short connecting portions to adjacent parallel conductor strands at spaced positions and then severing said portions to produce the bonds as units, said die-casting being done so that the bonds and their connecting portions form rectangular shapes with said connecting portions forming sides of said shapes whereby said severing may be performed by two right angular cuts to sever at least four of said connecting portions.

2,151,293
CARRIER
Rudolf A. Dross, New York, N. Y.
Application May 17, 1938, Serial No. 208,348
6 Claims. (Cl. 135—49)



1. A crutch including two branches, a cross-handle connecting the branches, and a spring on each branch adapted to press against and hold a package placed between them and the branches, and a reinforcing spring on each branch adapted to aid the first springs.

2,151,294
PIVOT PIN
Frank Ellingsen, Brea, Calif., assignor to Chicksan Oil Tool Company, Ltd., Fullerton, Calif., a corporation of California
Application March 23, 1937, Serial No. 132,548
4 Claims. (Cl. 308—37)



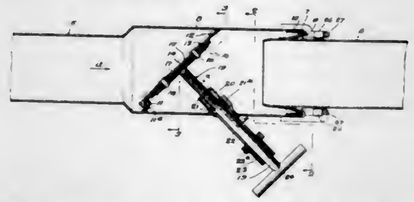
1. A pivot pin of the character described including, an elongate body, the body having a longitudinal opening, an extensible spring extending through the opening, and parts on the spring engaging the end portions of the body whereby the spring prevents complete disconnection of said end portions in the event of failure of the body.

2,151,295
WINDOW SCREEN
Charles H. Hucke, St. Louis, Mo., assignor to Ventrite, Inc., St. Louis, Mo., a corporation of Missouri
Application April 27, 1936, Serial No. 76,546
2 Claims. (Cl. 156—14)



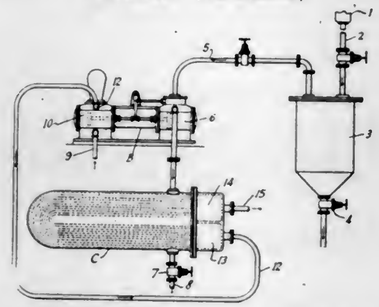
1. In combination a window structure comprising a frame, a sash within said frame, pairs of vertically disposed spaced apart elements at opposite sides of said frame between which opposed edge portions of said sash are slidingly disposed, one element of each pair of elements being provided with elongated pockets, and a window sill forming a part of said frame, vertically arranged screen-supporting members arranged at opposite sides of said window frame, pivot means located adjacent to the upper ends of said screen-supporting members for pivotally attaching said members to the window frame so that the lower ends of said members may be moved from their normal positions in close proximity to the window sill to positions located outwardly from said window sills, said vertical screen-supporting members being provided with portions which normally extend into the elongated pockets of the pocketed elements of said opposed pairs of elements and said screen-supporting members having guideways formed therein, and a window screen arranged for sliding movement in said guideways of said screen-supporting members.

2,151,296
SHUT-OFF VALVE
Otto Knoerzer, Hammond, Ind., assignor to Champion Corporation, Hammond, Ind., a corporation of Indiana
Application December 6, 1937, Serial No. 178,243
3 Claims. (Cl. 251—158)



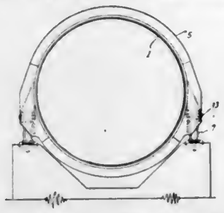
1. In an irrigation pipe valve, a sheet metal valve casing having a water passage therethrough, a screw threaded valve stem for opening a swinging disclike valve therein, said stem projecting outwardly through the casing wall, a sleeve externally of the casing, in which said stem is guided, a nut formed of non-corrosive metal with which the threads of the valve stem are threadedly engaged, and means to receive the nut and hold the same against rotation, said last mentioned means being welded to the sleeve and casing wall, and the sleeve being welded to the casing wall.

2,151,297
APPARATUS FOR THE OPERATION OF STEAM BOILERS AND ACCESSORY DEVICES
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 20, 1937, Serial No. 126,748
4 Claims. (Cl. 122—1)



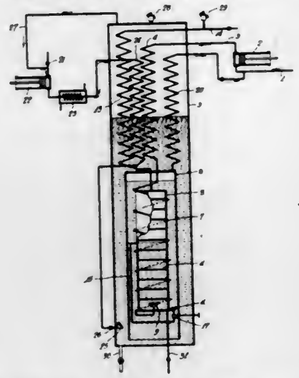
1. In combination, a steam generator with feed water supply and blow down systems, a blow down energy driven power device and pump operated thereby, both of the positive displacement type, means connecting the blow down to the device, and means connecting the feed water supply to the pump and from the pump to the generator, whereby the rate of blow down governs the rate of blow down replacement.

2,151,298
SUPPORT FOR HOLLOW BODIES
Benjamin H. Miller, Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 7, 1935, Serial No. 39,528
11 Claims. (Cl. 248—49)



1. In combination with a conduit subject to creeping and heavy static loading, an arcuately formed supporting structure secured to said conduit and embracing said conduit at opposite sides, said structure embodying outwardly extending rib portions normal to the longitudinal axis of the conduit, foundation means below said axis, means transferring the conduit loading to said foundation including rocking links engaging said foundation means at their lower ends, said rib portions having means cooperating therewith to form bearings for the upper ends of said links, and means restricting the movement of said links to substantially vertical planes parallel to the conduit axis.

2,151,299
PROCESS AND APPARATUS FOR THE EXTRACTION OF HELIUM FROM GASEOUS MIXTURES
Bruce De Haven Miller, Louisville, Ky., assignor, by mesne assignments, to United States of America, as represented by Secretary of Interior
Application May 28, 1937, Serial No. 145,222
13 Claims. (Cl. 62—175.5)



1. The method of separating helium from a gaseous mixture containing the same, which includes compressing said mixture, liquefying the undesired liquefiable portions of the gaseous mixture and forming therewith a liquid bath, maintaining a body of said liquid in a separating chamber under high pressure, withdrawing the helium at high pressure from above said liquid level, maintaining a liquid bath at low pressure around said chamber, and preventing selective distillation of the liquid in said lower pressure bath by delivering liquid from said chamber to said lower pressure liquid bath adjacent to the lower portion of the latter to agitate the liquid thereof.

2,151,300
MINERAL OIL COMPOSITION
Robert C. Moran, Wenonah, and Alfred P. Kozacik, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 16, 1938, Serial No. 246,244
20 Claims. (Cl. 87—9)

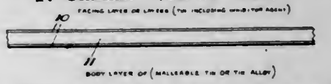
1. A lubricating oil composition comprising a major proportion of a mineral lubricating oil, a minor proportion of an ester of phosphorous acid, which would normally tend to stain tin-coated metal containers, and a small amount, sufficient to bring about substantial stability of said ester and retard such staining action, of an oil-soluble organic amine.

2,151,301
STEREOSCOPIC PHOTOGRAPHY
Carl Percy, New York, and Ernest E. Draper, Scarsdale, N. Y., assignors to The Perser Corporation, New York, N. Y., a corporation of New York
Application March 17, 1936, Serial No. 69,308
11 Claims. (Cl. 88—1)



1. An arrangement for exhibiting a pictorial representation to be viewed in stereoscopic relief which comprises, a lenticulated lineated screen including a support element of transparent material having a transparent layer of gelatine contiguous one side thereof, said gelatine layer having a series of image-forming elements integrally formed at the surface thereof away from the supporting element, said image-forming elements having initially a mat surface and being provided with a thin transparent closely adhering film of a coating material substantially conforming to the contour of the surface of the image-forming elements to render said mat surface optically smooth without substantial impairment of the imaging formation of the image-forming elements; and a pictorial parallax panoramagram image disposed in registered cooperative relation with said lineating screen.

2,151,302
TIN ALLOY
Ernest Scheller, Buechel, Ky., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Application June 26, 1936, Serial No. 87,585
17 Claims. (Cl. 29—181)

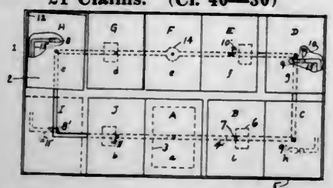


1. A cheese wrapping foil which is substantially non-discolorable from contact with the cheese and which has a malleable tin alloy body layer and at least its cheese contacting surface composed of tin containing a relatively small percentage of an inhibiting agent which is anodic with respect to tin and adapted to maintain the tin polarized.

2. A cheese wrapping foil which is substantially non-discolorable from contact with the cheese and which has a malleable tin alloy body

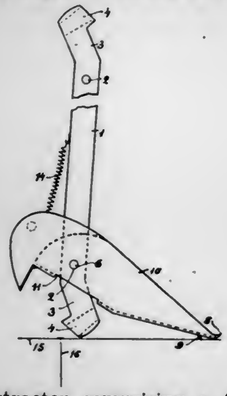
layer and at least its cheese contacting surface composed of tin containing a relatively small percentage of an inhibiting agent including one or more metals from the group composed of aluminum, magnesium and calcium.

2,151,303
DISPLAY MACHINERY
Otto Henry Schoenberger, Compton, Calif.
Application January 4, 1936, Serial No. 57,631
21 Claims. (Cl. 40—30)



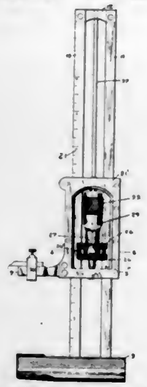
1. The combination, of an automatic educational or sales machine for displaying and demonstrating articles of merchandise, means for periodically displaying objects, and automatic sound reproducing means for giving sales or educational talks synchronized with said displaying means.

2,151,304
NAIL EXTRACTOR
Hans Schultheiss, Weissenstadt, Germany
Application November 16, 1936, Serial No. 111,140
In Germany November 12, 1935
1 Claim. (Cl. 254—27)



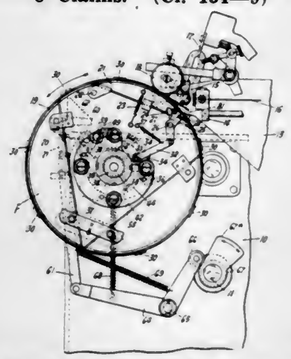
A nail extractor comprising a foot member having a substantially triangular portion terminating in a relatively wide surface engaging base providing a fulcrum and when in operative position extending at an upward inclination from said fulcrum through and beyond the vertical plane of a nail to be extracted from said surface, said portion having an opening adjacent the apex opposite said base and in a plane midway between the side extremities of the base, downwardly and rearwardly inclined projections adjacent the side extremities of said base, a lever pivotally connected intermediate its ends to the foot member adjacent the vertical plane of the nail and extending substantially vertically through said opening, a nail engaging element at the lower end of the lever, said lever being pivotally movable forwardly and rearwardly relative to the foot member and the front and rear edges of said opening providing stop means below the horizontal plane of the pivot for limiting such pivotal movement of the lever in opposite directions, and a tension spring connecting the lever above the pivot with the foot member forwardly of the pivot for automatically forcing the lever against the stop means at the rear edge of said opening preliminary to the rearward pull on the lever to extract a nail.

2,151,305
MEASURING INSTRUMENT
Arthur Serdock, Bellmore, N. Y.
Application July 15, 1935, Serial No. 31,395
6 Claims. (Cl. 33—164)



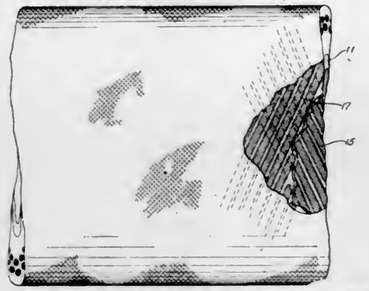
1. A measuring instrument of the character described comprising a main frame, a movable and a fixed jaw thereon, a scale on said main frame, means for adjusting said movable jaw thereon, a micrometer operatively mounted on said movable jaw, said main frame having notches at one side, resiliently projected means on said movable jaw at said side of said frame for engaging said notches, and means at the opposite side of said frame and jaw for disengaging said engaging means.

2,151,306
TIRE BEAD WINDING APPARATUS
Florian J. Shook, Akron, Ohio, assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application December 23, 1937, Serial No. 181,377
8 Claims. (Cl. 154—9)



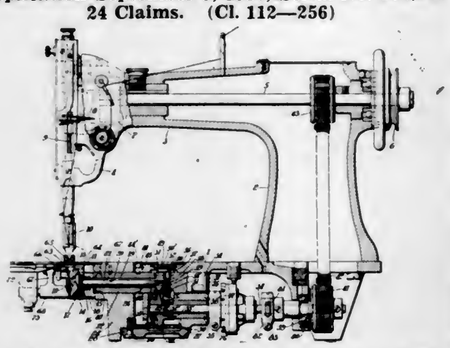
1. In apparatus for winding tire beads, the combination of a rotatable shaft operating in a cycle consisting of a rotative phase and a stationary phase, a generally circular form on which a tire bead is built carried by said shaft, a lost motion driving connection between said shaft and said form, and means operating in determinate time relation to the operating phases of said shaft for turning the form relatively of said shaft.

2,151,307
REINFORCED HOSE AND METHOD OF CONSTRUCTING THE SAME
Walter G. L. Smith, Los Angeles, Calif.
Application January 17, 1938, Serial No. 185,252
9 Claims. (Cl. 154—4)



1. A method of constructing reinforced hose, which includes the steps of: wrapping a right-twist wire cable in a leftward spiral around a fabricated hose; and wrapping a left-twist wire cable in a rightward spiral around said hose.

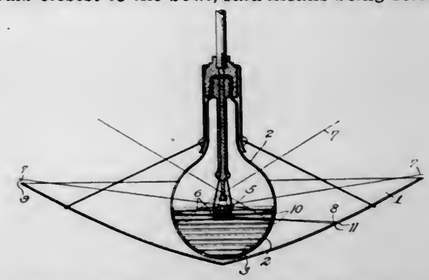
2,151,308
LUBRICATING MEANS FOR SEWING MACHINES
Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 9, 1937, Serial No. 162,988
24 Claims. (Cl. 112—256)



1. In a sewing machine, a rotary loop-taker having a thread-carrier raceway, a casing providing a lubricant-supply chamber, a rotary shaft provided with a longitudinal bore connected with said raceway and terminating in said chamber above the level of the lubricant-supply therein, and means disposed within said chamber and effective during the operation of the machine for directing lubricant into said shaft-bore.

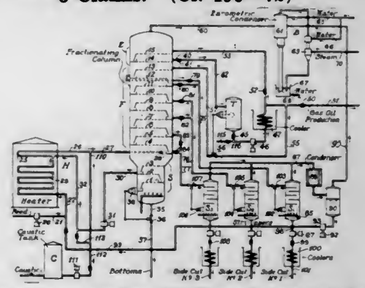
2,151,309
LUMINOUS BOWL ELECTRIC LIGHTING FIXTURE
George Ainsworth, New York, N. Y.
Application October 27, 1936, Serial No. 107,891
6 Claims. (Cl. 240—78)

4. In combination, a translucent bowl, an electric lamp bulb positioned on the vertical axis of said bowl and in close proximity to the bottom of said bowl, heat retarding and light reflecting means positioned between the light source of the bulb and the inner surface of the bottom of the bulb closest to the bowl, said means being formed



in bands, with narrow openings therebetween, whereby the light and heat rays are reflected upwardly and outwardly away from said bowl, said openings being of such area as to allow sufficient light to pass to illuminate the bowl.

2,151,310
DISTILLATION
Blair G. Aldridge and Edward G. Ragatz, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application August 26, 1935, Serial No. 37,980, which in turn is a division of application Serial No. 734,529, July 10, 1934. Divided and this application June 8, 1936, Serial No. 84,076
3 Claims. (Cl. 196—72)



1. In a process for distilling heavy oil having gas oil, lubricating oil and asphaltic fractional components comprising heating the oil, separating the resultant vapors and unvaporized oil in a separating zone and thereby producing separated unvaporized asphaltic bottoms, fractionating the separated vapors in countercurrent contact with reflux condensate in a fractionating zone, taking off a relatively light gas oil cut, withdrawing a portion of the reflux from an intermediate stage of said fractionating zone, said withdrawn reflux comprising lubricating oil fractions containing a small proportion of lighter fractions of the character of relatively heavier gas oil fractions and substantially free from asphaltic constituents, separately stripping said withdrawn intermediate lubricating oil fraction in countercurrent contact with heated vapors in a stripping zone to vaporize the gas oil like fractions and to produce an unvaporized stripped intermediate lubricating oil fraction substantially free from light fractions and asphaltic constituents, separately condensing vapors from said stripping zone and commingling the resultant condensate with the first mentioned oil being heated.

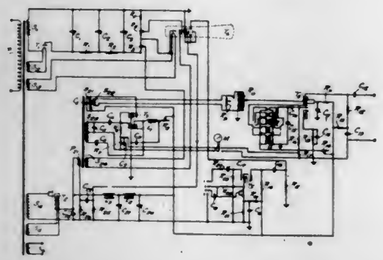
2,151,311
ESTERS OF POLYGLYCOLS AND THEIR ETHERS AND COMPOSITIONS CONTAINING THE SAME
Bjorn Andersen, Maplewood, and Amerigo F. Caprio, Madison, N. J., assignors to Celluloid Corporation, a corporation of New Jersey
No Drawing. Original application April 26, 1933, Serial No. 668,078. Divided and this application September 2, 1937, Serial No. 162,136
4 Claims. (Cl. 106—40)

1. A composition of matter containing a derivative of cellulose and a mixed ester of a polycarboxylic acid containing at least three carbon atoms in which at least one carboxylic hydrogen is replaced by the residue of a partial acetic acid ester of a polyglycol and another carboxylic hydrogen is replaced by a different residue.

2,151,312
HAMMERED METAL FINISH
Guido Ariotti, Stamford, Conn., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 26, 1937, Serial No. 133,184
10 Claims. (Cl. 91—68)

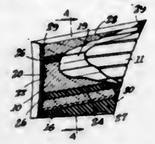
1. A coating composition adapted to produce a hammered metal finish, said composition comprising a finely divided metal powder, a film-forming constituent consisting essentially of a material selected from the group consisting of synthetic and natural resins and synthetic and natural resin varnishes, and a solvent for the film-forming constituent in sufficient proportion to yield a fluid, readily sprayable mixture, said solvent consisting of a slowly volatile hydrogenated petroleum naphtha and a material selected from the group consisting of methyl alcohol, ethyl alcohol and acetone.

2,151,313
CATHODE RAY OSCILLOSCOPE
Samuel Bagno and Martin Posner, New York, N. Y.
Application January 17, 1935, Serial No. 2,310
20 Claims. (Cl. 175—183)



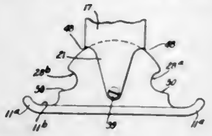
1. Apparatus for obtaining the frequency response of a circuit, said apparatus comprising an oscillator including a tuned circuit, a source of a modulating wave, frequency modulation means for said oscillator arranged to be coupled to said source, means for applying the resulting frequency modulated energy to the circuit to be tested, means responsive to the output of the test circuit to produce physical motion in one direction, and means responsive to the modulating wave to produce physical motion in a different coordinate direction in order to plot the desired frequency response characteristic.

2,151,314
SHOE HEEL
Joseph Burger, Forest Hills, N. Y.
Application October 12, 1935, Serial No. 44,726
5 Claims. (Cl. 12—147)



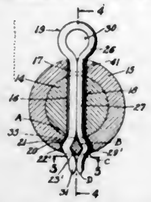
1. A "wood heel" comprising a wood heel block of substantially the full shape and height of the heel and provided with grooves in the opposite ends of the same, a molded cover over said block and including a top lift portion having ribs entering the grooves in the top lift end of the block and a heel cup portion having ribs entering the grooves in the heel seat end of the block.

2,151,315
CIGARETTE DISPENSER
Roy H. Colomy, Springdale, Conn.
Application November 18, 1936, Serial No. 111,418
3 Claims. (Cl. 312—77)



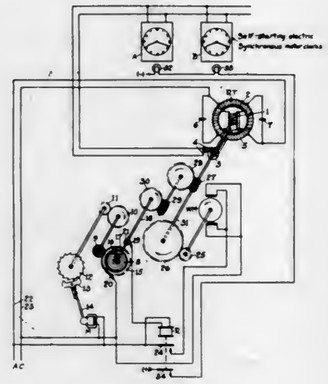
1. In a cigarette dispenser the combination of a base having a depositing channel and a pickup channel at a lower level than said depositing channel; a downwardly inclined wall defining said depositing channel and extending toward said pickup channel; and a storage container having a bottom opening, pivotally mounted on said base and movable into depositing and non-depositing positions relative to said depositing channel; said container and said base alone maintaining a cigarette in said depositing channel, whereby a cigarette may roll by gravity from the depositing channel to the pickup channel when said storage container is pivoted away from said depositing channel.

2,151,316
COTTER PIN LOCKING DEVICE
George T. Cooke, Norwalk, Conn., assignor to American Railway Products Co., Inc., Darien, Conn., a corporation of New York
Application March 12, 1938, Serial No. 195,448
11 Claims. (Cl. 85—7)



1. In a cotter pin locking device the combination of a body having an entrance passage; a cotter member having a pair of arms; a set of diverging walls for spreading the arms of the cotter; and a set of converging walls for folding said arms toward each other.

2,151,317
CLOCK SYSTEM
Robert H. Dicke, Rochester, N. Y.
Application September 4, 1935, Serial No. 39,146
24 Claims. (Cl. 58—35)



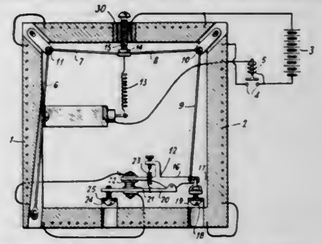
19. In an electric clock system; a source of alternating current having its frequency regulated to correctly manifest the passing of time; time lapse manifesting means operated from a local source of energy; means controlled by said alternating current for preventing operation of said time lapse manifesting means except during cessation of current from said alternating current source; a synchronous motor driven electric clock including clock hands driven by a self-starting synchronous alternating current motor; and means governed by said time lapse manifesting means for causing additional rotation of said clock hands above that normally caused by said synchronous motor immediately after each power cessation to an extent equal to the duration of such cessation.

2,151,318
PROCESS FOR DEWAXING OIL
Lyle Dillon and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Original application July 24, 1933, Serial No. 681,888, now Patent No. 2,039,636, dated May 5, 1936. Divided and this application April 20, 1936, Serial No. 75,386
10 Claims. (Cl. 204—24)

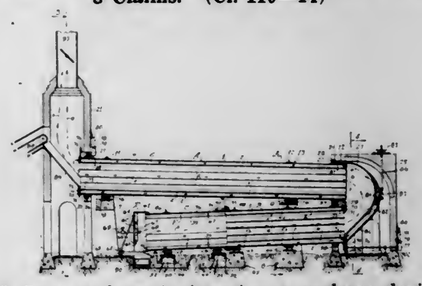
1. A process for separating wax from wax-bearing oil comprising adding an electrodeposition aid for wax to the wax-bearing oil, precipitating the wax in the oil, subjecting the mixture to an electric field between electrodes and depositing wax on an electrode surface in contact therewith.

2,151,319
TEMPERATURE CONTROL DEVICE
James Leslie Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 10, 1936, Serial No. 63,145
5 Claims. (Cl. 219—19)

1. A temperature control device comprising a rectangular container, said container acting as one element of a regulating thermostat, the other element of said regulating thermostat comprising a plurality of linkages secured to each corner of said container and having relatively low temperature coefficient of expansion compared with that of said container.

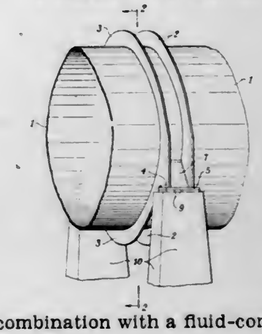


2,151,320
GARBAGE INCINERATOR
Natale Forni, Oakland, Calif.
Application December 12, 1936, Serial No. 115,574
8 Claims. (Cl. 110—14)



3. In a garbage incinerator, a garbage drying cylinder, a garbage burning cylinder for receiving garbage from the drying cylinder, a closed chute connecting the exit end of the drying cylinder with the entrance end of the burning cylinder, said cylinders carrying air passages, said chute having air passages receiving air from the passages in the burning cylinder, and delivering the air into the interior of the chute, the passages in the drying cylinder communicating with the chute interior, and a damper for the chute for admitting atmospheric air directly into the chute and drying cylinder.

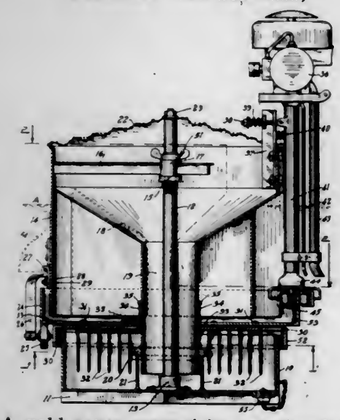
2,151,321
SUPPORT FOR HOLLOW BODIES
Robert E. Glover, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application August 1, 1936, Serial No. 93,759
6 Claims. (Cl. 248—55)



6. In combination with a fluid-conducting body

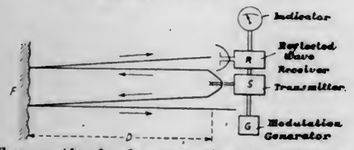
of arcuate formation, stationary reaction members at opposite sides of said body, means for transmitting the static load of said body and contained fluid to said members including arcuate elements in arcuate engagement with said body, diaphragms at opposite sides of said body engaging the body and connected to said arcuate elements, and bearing members in contact with said reaction members and each connected to one of said diaphragms and to said arcuate elements.

2,151,322
GOLD SAVER
Lloyd G. Green, Denver, Colo.
Application April 20, 1937, Serial No. 137,902
7 Claims. (Cl. 209—465)



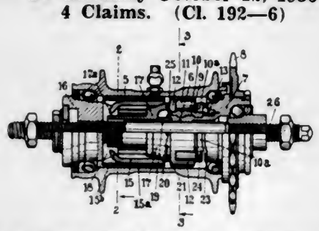
1. A gold saver comprising: a circular pan; a standard extending upwardly from the middle of said pan; an adjusting nut on said standard; a feed hopper suspended from said nut; a feed tube extending downwardly from said hopper about said standard and terminating above the bottom of said pan; a rotary plate surrounding said feed tube over said pan; rollers suspending said plate from said feed hopper; a perforated clamping plate bolted to the bottom of said rotary plate; a series of nails extending through said perforated plate and extending downward into said pan with their heads clamped between said perforated plate and said rotary plate; and means for rotating said plate so that said nails will travel in annular paths in said pan.

2,151,323
RADIO APPARATUS FOR DETERMINING DISTANCE AND DIRECTION
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 23, 1936, Serial No. 81,357
In Germany May 18, 1935
2 Claims. (Cl. 250—1)



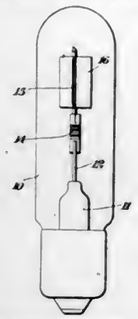
1. The method of measuring the distance between a point of emanation of an ultra-high frequency wave modulated by a low frequency wave and a point of reflection of said modulated wave, which comprises, producing an ultra-high frequency carrier wave of fixed frequency and a low frequency wave variable in frequency between two limiting values, modulating said carrier wave by said low frequency wave, directively transmitting the resulting modulated carrier wave from said point of emanation to said point of reflection, varying the frequency of the low-frequency wave between said two limiting values so as to produce a standing wave as a result of the interaction between the transmitted wave and the reflected wave, receiving the energy of the standing wave adjacent the point of emanation, indicating the intensity of such energy, and indicating the wavelengths at the two limiting values of the low frequency wave, whereby the distance is indicated as a function of the least common multiple of said wave lengths at the two limiting values.

2,151,324
FREEWHEEL HUB WITH COASTER BRAKE
Wolfgang Jordan, Schweinfurt, Germany
Application October 9, 1937, Serial No. 168,113
In Germany October 12, 1936
4 Claims. (Cl. 192—6)



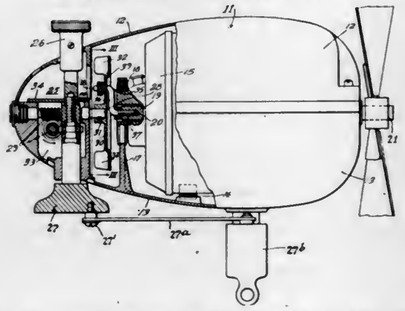
1. In a free-wheel hub with coaster-brake, the combination with a hub shell, of a driving body mounted therein, a coupling sleeve interengaged with the driving body by screw threads, coupling rollers held in circumferential oblique recesses of the coupling sleeve, a guide ring spacing and retaining the rollers in the recesses, said rollers being adapted to couple the driving means to the hub shell, a tooth coupling between the guide ring and an axially displaceable part of the internal hub brake, said coupling being capable of transmitting axial pressure from the driving gear to the brake, and a spring interposed between the driving body and the coupling sleeve, said spring being disposed to solicit the coupling sleeve on the driver in the forward direction.

2,151,325
INCANDESCENT ELECTRIC LAMP
James M. Kendall, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application December 28, 1938, Serial No. 248,042
5 Claims. (Cl. 176—34)



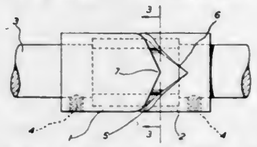
1. An incandescent electric lamp comprising a bulb, a filament therein, and a reflector mounted within said bulb behind said filament, said reflector having two angularly related surfaces so arranged that light rays from the filament are reflected thereby away from the plane defined by the filament and the vertex line of said reflector.

2,151,326
OSCILLATING FAN
Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1937, Serial No. 144,631
9 Claims. (Cl. 230—256)



1. In combination, a housing, a motor resiliently mounted therein and an oscillating mechanism fixed thereto, and means comprising a crank enclosed by the housing for flexibly coupling the motor to said oscillating mechanism, said resilient mounting and flexible coupling serving to prevent transmission of motor vibrations to said mechanism.

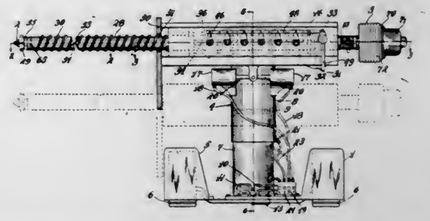
2,151,327
TEXTILE APPARATUS
Robert Wighton Moncrieff and Frank Brentnall Hill, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application September 16, 1937, Serial No. 164,098
In Great Britain September 25, 1936
3 Claims. (Cl. 242—43)



1. Apparatus for winding a cross-wound package of yarn, comprising a rotatable drum provided with an endless traverse slot, said slot being provided at at least one of the positions on the drum where it changes direction with an extension in its outer wall lengthwise of the drum and a pointed member on its inner wall opposite to said extension so that the yarn drawn across the face of the drum passes into the recess formed by said extension to be engaged by said pointed member and to be automatically carried into said slot.

2,151,328
APPARATUS FOR BREAKING MATERIAL
Warren Noble, Guilford, N. Y., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 30, 1935, Serial No. 33,876
5 Claims. (Cl. 262—8)

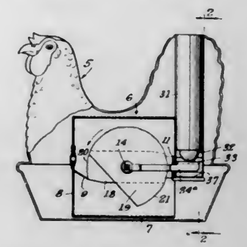
1. In an apparatus of the character described, a drilling implement for drilling a hole in the material to be broken, a drill stem for operating said implement, a chamber formed in said drill stem for receiving a charge of expansible pressure fluid at material-breaking pressure, and associated means operative while the drilling implement remains in the hole drilled thereby, for discharging the pressure fluid into the drill hole to break down the material by the expansive action of the fluid thereon.



2,151,329
CATALYST FOR THE PREPARATION OF METHANE FROM CARBON MONOXIDE AND HYDROGEN
Ronald Page and Edward Boaden Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 20, 1936, Serial No. 106,612. In Great Britain October 29, 1935
4 Claims. (Cl. 23—237)

2. Process for preparing a shaped catalyst mass for use in the synthesis of methane from carbon monoxide and hydrogen, which comprises precipitating nickel hydroxide and aluminum hydroxide from an aqueous solution of their nitrates containing 4 parts of nickel nitrate to each part of aluminum nitrate, washing the precipitate, forming the precipitate into a shaped mass and drying the shaped mass, all of these operations being carried out at a temperature below 30° C. and subsequently reducing the nickel hydroxide at a temperature of the order of 250° C.

2,151,330
COMBINATION SOUND PRODUCING AND OBJECT EJECTING DEVICE
Harold N. Prensky, Forest Hills, and Eugene Grieshaber, Springfield Gardens, N. Y.
Application November 28, 1938, Serial No. 242,656
9 Claims. (Cl. 46—124)



7. In a device of the character described, a sound producing unit having a vibrating reed, and a pair of peripherally serrated plates movable into alternate engagement with said reed for vibration thereof.

2,151,331

PROCESS FOR MAKING INSOLUBLE ANHYDRITE

Richard S. Roberts, Shaker Heights, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, a corporation of Delaware

No Drawing. Application July 5, 1935, Serial No. 30,046
9 Claims. (Cl. 23—122)

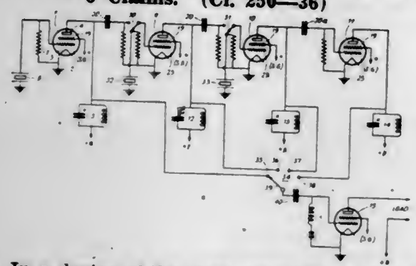
1. A process for producing stable, pigment-useful insoluble anhydrite of finely-divided, non-acicular crystal form, comprising digesting and converting at an elevated temperature a substantially dry form of calcium sulfate of less than 6.2% combined water content and comprising soluble anhydrite, in a dilute aqueous sulfuric acid, the H_2SO_4 content of which is maintained at less than 15% during said digestion and conversion.

2,151,332

OSCILLATOR AND FREQUENCY MULTIPLIER

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 1, 1935, Serial No. 42,991
6 Claims. (Cl. 250—36)



1. In a device of the class described, a plurality of electron tube stages each of which except the final stage is adapted to function as an electron tube oscillator, each said oscillator having a piezo-electric crystal-controlled grid, and a unitary tank circuit connected between the cathode and a cold electrode thereof, each said tank circuit having an optimum inductive reactance value for setting up oscillations in its tube at a natural frequency of said crystal while it is at the same time tuned to substantially twice that frequency, means for shifting the function of said tubes in stages subsequent to the one selected for oscillation generation, thus to obtain one or a plurality of electron tube frequency multiplier stages each having a tank circuit tuned to twice the frequency of the energy to be applied as grid excitation to the tube of that stage, an amplifier stage, means for coupling any selected one of said multiplier stages directly to said electron tube oscillator and means for intercoupling at will a desired number of said multiplier stages between said oscillator and said amplifier stage.

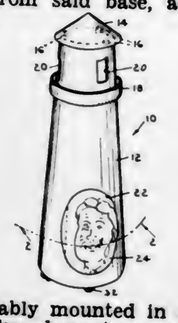
2,151,333

CHANGEABLE EXHIBITOR

Jacob I. Robin, New York, N. Y., assignor, by mesne assignments, to International Mutoscope Reel Co. Inc., New York, N. Y.

Application October 19, 1937, Serial No. 169,781
15 Claims. (Cl. 40—40)

1. A changeable exhibitor comprising a casing providing a passage for the flow of air, a lamp associated with said casing to heat the air for inducing the flow thereof in said casing, a heat absorber and radiator comprising a coated metal member heated by said lamp and in turn also heating the air in said casing and thereby at least partially inducing the flow thereof in the casing, a frame within said casing comprising a base, means for supporting said heat absorber comprising a member carrying said absorber and upstanding from said base, and a cylindrical



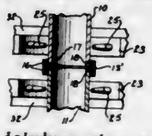
member rotatably mounted in said casing and having a motive element operatively connected thereto and responsive to said flow of air rotating said member.

2,151,334

METHOD OF JOINING METAL MEMBERS

Harry E. Rockefeller, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application September 20, 1934, Serial No. 744,751
9 Claims. (Cl. 113—112)



1. A method of joining pipe sections which comprises the steps of arranging the pipe sections with the ends thereof in abutting relation; placing a ferrule over the abutting ends of the pipe sections and inserting metal adjacent the contacting surfaces of the pipe sections and the ferrule, the inserted metal having a fusion point lower than that of the pipe sections; applying heat indirectly to the inserted metal by conduction longitudinally through both of the pipe sections simultaneously and with sufficient intensity to cause the inserted metal to fuse and flow between the contacting surfaces of the ferrule and pipe sections and tin the same; and discontinuing the application of heat so as to cause the inserted metal to solidify and unite the ferrule and pipe sections together.

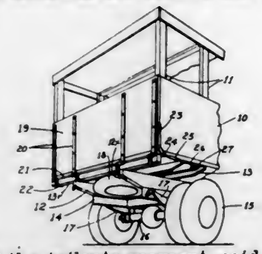
2,151,335

TAILGATE MECHANISM FOR VEHICLES

Norman M. Rush, Willow Grove, Pa.

Application February 13, 1936, Serial No. 63,700
13 Claims. (Cl. 296—57)

1. For a vehicle body, a tailgate having a horizontal hinge, said tailgate being substantially vertical in closed position, a mechanism capable of substantially balancing the moment of the tailgate about said hinge throughout a range of movement of approximately 180 degrees of the tailgate, said mechanism including a fitting attached to the tailgate and having a pivot whose axis is parallel to said hinge and offset therefrom, a resilient element operatively associated with said pivot and the vehicle body to exert a force through said pivot, said pivot being located with respect to said hinge in a position for said force to provide a generally increasing moment during the first 90 degrees movement of the tailgate from closed position and a generally decreasing moment during the second 90 degrees movement, the rate of increase and decrease being substantially the same as the rate of increase and de-



crease of the tailgate moment, said resilient element developing a continuously increasing force during both the first and second 90 degree movements of the tailgate.

2,151,336

RADIO SIGNALING APPARATUS

Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 5, 1935, Serial No. 30,035
In Germany July 5, 1934
12 Claims. (Cl. 250—11)



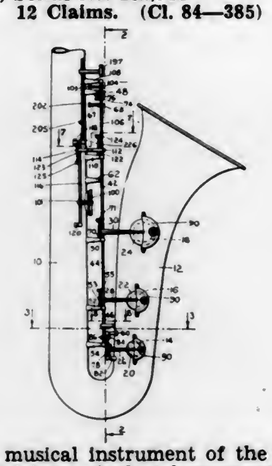
1. A system for short wave transmission of radio signals from an unmanned free floating balloon, said system comprising a balloon, a radio beam transmitter secured to said balloon, a reflector attached to said transmitter, and means mounted on said balloon for maintaining a desired orientation of said transmitter.

2,151,337

MUSICAL INSTRUMENT

Henri Selmer, Paris, France

Original application March 27, 1935, Serial No. 13,228, now Patent No. 2,090,011, dated August 17, 1937. Divided and this application July 10, 1937, Serial No. 152,944
12 Claims. (Cl. 84—385)



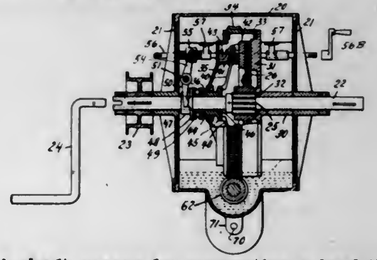
1. In a musical instrument of the wood wind type comprising a stack, a bow connected to the stack, and a mouthpipe, the provision of a vent in said bow independently of said mouthpipe, said vent having a fixed position in said bow in relation to said stack and an adjustable connection between said mouthpipe and bow whereby said mouthpipe can be adjusted in relation to said bow and stack.

2,151,338

LIFTING AND LOWERING MECHANISM

Harold W. Shonnard, Montclair, N. J.

Application January 30, 1937, Serial No. 123,158
12 Claims. (Cl. 254—172)



1. A shaft, means for connecting a load therewith, a friction member connected to rotate with the shaft, a driving member freely supported on the shaft, associated with the friction member, means for rotating the driving member in one direction only, and means for operatively connecting the friction member with the driving member to rotate the shaft in one direction and for gradually releasing the connection between said members to permit the shaft to be rotated in the opposite direction under the influence of a load thereon and to control the rate of said movements in both directions.

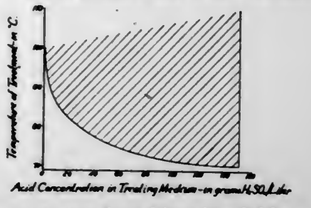
2,151,339

PROCESS OF MAKING CALCIUM SULPHATE

Roy W. Sullivan, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

Application April 20, 1935, Serial No. 17,379
13 Claims. (Cl. 23—122)

Limits of Temperature and Acid Concentration



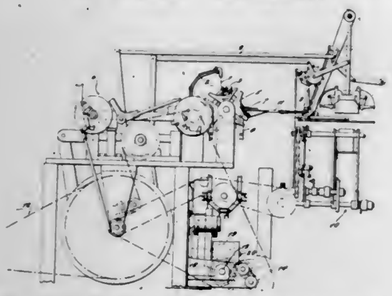
1. In a process of making insoluble anhydrite which includes as one step the addition of a calcium compound from the group consisting of an oxide, hydroxide and carbonate to strong sulphuric acid in the absence of separately prepared and added anhydrite, the steps of neutralizing at least 75% of said acid with said calcium compound beyond the point where a solid reaction product containing substantial amounts of hydrated calcium sulphate suspended in a liquid is formed, and treating the solid reaction product containing hydrated calcium sulphate for a substantial length of time, suspended in an acid aqueous medium containing not less than 1.5 and not more than 150 grams H_2SO_4 per liter and at a temperature of not less than 80° C., nor exceeding about 100° C. until the product is substantially dehydrated.

2,151,340

BAND FORMING AND PLACING APPARATUS

William H. Taylor and Stanley C. Kershaw, Pawtucket, R. I., assignors to The Clark Thread Company, Newark, N. J., a corporation of New Jersey

Application April 13, 1936, Serial No. 74,034
15 Claims. (Cl. 28—21)



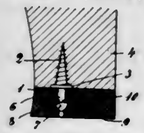
1. In combination with a skein-forming machine having a conveyor with a plurality of skein-supports thereon, a mandrel and means to form a skein band thereon, means to move said mandrel into alignment with one of said skein-supports, and means to slide said band from said mandrel over the skein on said support.

2,151,341

MEANS FOR FASTENING ATTACHABLE HEELS OR SOLES TO SHOES

Harry Einar Maurits Vestergren, Stockholm, Sweden, assignor to Gustaf Sylvén, Stockholm, Sweden

Application March 9, 1937, Serial No. 129,773
In Sweden June 10, 1936
3 Claims. (Cl. 36—36)



1. In combination with a shoe having a plurality of pins rigidly attached to, and extending outwardly from, the sole thereof, of a removable sole portion having metallic plates securely imbedded therein, an aperture in each plate, at least one flap portion resiliently movable in regard to the plane of the plate and normally extending centrally from the edge of said aperture each of said pins having a flanged portions formed thereon at a predetermined distance from the outer end of the pin, a head formed at the outer end of each pin adapted to engage said flap portion to be automatically interlocked therewith.

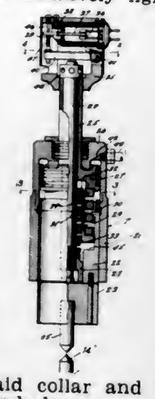
2,151,342

WELDING APPARATUS

Edmund J. von Henke, Chicago, Ill., assignor to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois

Application June 3, 1936, Serial No. 83,177
6 Claims. (Cl. 219—4)

1. A welding gun comprising a cylinder, a welding electrode beyond one end of the cylinder, an electrode head supporting said electrode and slidable in said cylinder adjacent said end thereof, a piston head slidable in said cylinder and normally disposed adjacent the other end of the cylinder, means for forcing said piston towards said electrode head, a collar in the cylinder between the piston head and the electrode head and loose therefrom, a relatively light compression



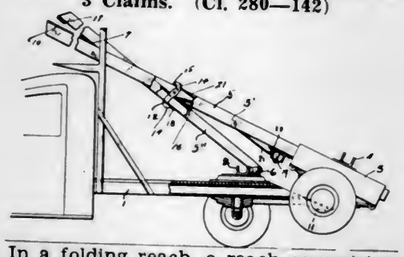
spring between said collar and said electrode head, and a relatively heavy compression spring between said collar and said piston head.

2,151,343

FOLDING REACH

William H. Alexander, Klamath Falls, Oreg.

Application August 6, 1937, Serial No. 157,750
3 Claims. (Cl. 280—142)



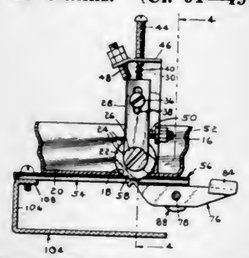
2. In a folding reach, a reach comprising two pivotally connected sections with an extension of one to rest upon a portion of the other when the reach is extended to prevent sagging, a dog bar pivotally mounted to one of said sections, said bar having hook ends forming a dog above the pivot and a dog below the pivot, a pair of cross members on the other section, one of which is for engagement by one of the dogs to secure the reach in unfolded position and the other for engagement by the other dog to secure the reach in folded position, and yieldable means for holding the dogs in the engagement aforesaid.

2,151,344

MEANS FOR APPLYING ADHESIVES

Ray Barnard, St. Louis, Mo.

Application October 5, 1937, Serial No. 167,348
12 Claims. (Cl. 91—49)



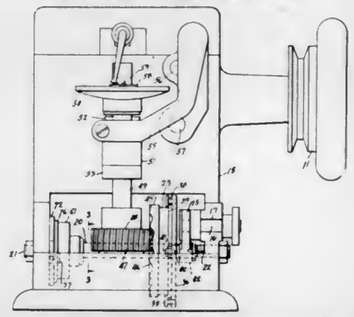
5. In a device of the class described for applying a substance to a length of material, means forming a supply chamber for said substance provided with an outlet opening, and means for pressing a length of material into a position adjacent said opening comprising a member pivoted between its ends and constructed and arranged to be urged into engagement at one end thereof with said material by pressure applied to said member at its other end by said material in the course of movement of the material longitudinally of said member.

2,151,345

FUR SEWING MACHINE

Caesar Bonis, Brooklyn, N. Y.

Application January 14, 1938, Serial No. 184,925
1 Claim. (Cl. 112—18)



An intermittent driving mechanism for a sewing machine comprising a shaft, a drum secured to the shaft and having a recess at one end concentric with the shaft and having a peripheral surface, a gear at the other end of said drum, a clutch member loosely mounted on the shaft within the recess of said drum and having peripheral recesses with eccentric and curved inner wedging surfaces confronting the peripheral surface of the drum, rollers in the recesses of said clutch member, spring pressed plungers carried by said clutch member in engagement with said rollers to force the same into clutching engagement with the wedging surfaces of the clutch member and the peripheral surface of the drum recess, a plate secured to the clutch member, means for oscillating said plate, a shaft retainer on said shaft in spaced relation to the clutching means, said retainer comprising a cup-shaped housing secured to the shaft and having an inner peripheral surface, a clutch member loosely mounted on the shaft and having peripheral recesses with curved and eccentric surfaces confronting the peripheral surface of the housing, rollers in said recesses, spring pressed plungers carried by the clutch member to force its rollers into wedging engagement with the interior peripheral surface of the housing and the curved and eccentric clutch surfaces, a plate secured to the clutch member, a second shaft disposed transversely of the first mentioned shaft intermediate the drum and the shaft retainer, and a gear on the second mentioned shaft in mesh with the first mentioned gear.

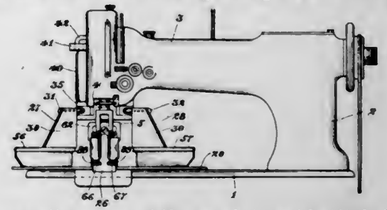
2,151,346

SEWING MACHINE

Albert H. Devoe, Westfield, N. J., assignor to Talon, Inc., a corporation of Pennsylvania

Application January 30, 1936, Serial No. 61,559
12 Claims. (Cl. 112—2)

6. In a sewing machine of the class described, stitch forming mechanism including a pair of laterally spaced apart needle bars, a needle carried by each of said needle bars, a pair of laterally spaced apart presser feet with their opposed inner surfaces spaced apart less than the distance between said needles and formed to constitute guide surfaces and work guiding means for guiding opposite edges of the work to said stitch forming mechanism including means for folding upwardly between the needles at least the opposite edges of the work, said guide surfaces on said presser feet serving to guide said upturned edges into the space between said needles.

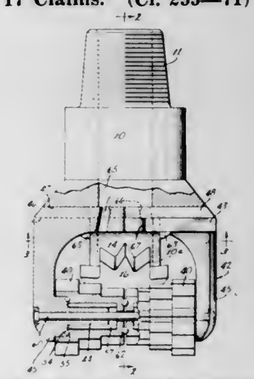


2,151,347

ROTARY DRILL BIT

Robert P. Fisher, Los Angeles, Calif., assignor of fifty-one per cent to Rudolph Pageman, Los Angeles, Calif.

Application February 14, 1938, Serial No. 190,444
17 Claims. (Cl. 255—71)



1. In a roller bit, a shank having a plurality of downwardly extending detachable legs secured thereto, a plurality of axially alined bearing supports respectively extending from each leg, a roller cutter rotatably mounted on each support, a thrust bearing engageable with adjacent ends of said cutters for maintaining them in axial position with respect to one another while permitting their relative rotation, and means within said bearing supports and free from radial bearing loads imposed by said cutters for holding said legs against relative movement and said cutters snugly against said thrust bearing.

2,151,348

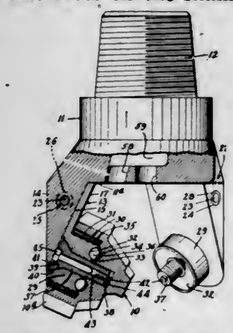
ROTARY DRILL BIT

Robert P. Fisher, Los Angeles, Calif., assignor of fifty-one per cent to Rudolph Pageman, Los Angeles County, Calif.

Application April 13, 1938, Serial No. 201,750
16 Claims. (Cl. 255—71)

1. In a rotary drill bit, the combination of a shank adapted for attachment to a drill stem for rotation thereby having a thrust surface inclined downwardly and outwardly and a side face at either side of the thrust surface; a cutter-bearing member comprising a body having a surface

adapted to bear against the shank thrust surface in load-transmitting relation, and side wings engaging said side faces on the shank to hold the



bearing member against relative lateral movement; means securing the cutter-bearing member to the shank; and a cutter rotatably mounted on the bearing member.

2,151,349
KITE
Samuel Fromme, Brooklyn, N. Y.
Application October 22, 1937, Serial No. 170,323
9 Claims. (Cl. 244—153)



1. In a kite, a rotor comprising a substantially flat flexible wind-receiving sheet and a mounting therefor, said sheet comprising a plurality of sections containing apertured portions correspondingly positioned remote from the middle regions of the sections; a pin to which said mounting is rotatably secured, and a stabilizer consisting of a relatively long and thin stabilizing element one end of which is attached to said pin, said element being spaced from said sheet and extending substantially parallel thereto, said element being adapted to operatively receive a tail and the string held by the flier of the kite.

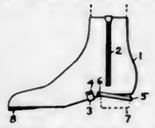
2,151,350
WATERPROOF SPAT
Martin Glowka, New York, N. Y.
Application December 7, 1937, Serial No. 178,459
4 Claims. (Cl. 36—2)



1. A waterproof spat having a loop member yieldably fitted over the upper portion of the heel of a shoe, a flexible member transversely connecting the lower edges of the toe portion of the spat, and a longitudinal strap connecting the transverse toe member and the heel loop member.

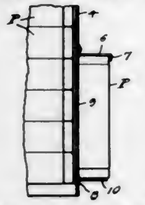
2,151,351
WATERPROOF SPAT
Martin Glowka, New York, N. Y.
Application January 11, 1938, Serial No. 184,364
6 Claims. (Cl. 36—2)

1. A waterproof spat comprising a flexible enclosure for the upper portion of a shoe, a bridge member connecting the edges of the enclosure under the toe portion of the shoe forming a pocket for the latter, a plurality of elastic straps connecting the edges of the enclosure under the shank portion of the shoe, the front strap having



forward curved ends adapted to pull the edges of the enclosure rearward thereby drawing the edges tightly over the edges of the sole of the shoe.

2,151,352
DISPLAY PACKAGE CARRIER FOR DISPENSERS
John McKool, Windber, Pa.
Application August 25, 1938, Serial No. 226,800
3 Claims. (Cl. 116—114)



1. In a carrier for dispensing vertically stacked articles, means for supporting a display article upon the face of the carrier, comprising a stationary arm secured to and projecting from the face of the carrier and engageable with the article, a shiftable support below the arm upon which the article is carried outside the carrier, and means in the carrier connected with said shiftable support and normally tending to retract the latter into the carrier from beneath the supported article, said last means being maintained against movement to retract the support by an article removably held in the carrier.

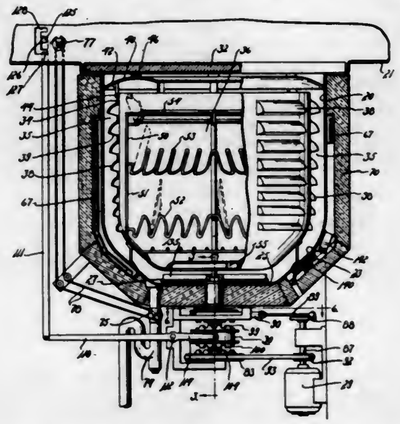
2,151,353
COMPOSITION FOR TREATING FERROUS METALS
Harley A. Montgomery, Highland Park, Mich.
No Drawing. Application January 7, 1937, Serial No. 119,525
6 Claims. (Cl. 205—21)

5. A process of treating ferrous metal during storage and during plastic deformation of the metal, which process consists in applying a homogeneous admixture of fatty acids of degras and mineral oil, then storing the metal until it is thoroughly wetted by the admixture, and then subjecting the metal to plastic deformation.

2,151,354
WASHING AND DRYING APPARATUS
Francis John Osuch, Detroit, Mich., assignor to Robot-Hand Corporation, Detroit, Mich., a corporation of Delaware
Application October 7, 1935, Serial No. 43,875
1 Claim. (Cl. 141—9)

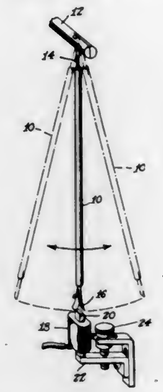
A dish washing machine comprising a tub adapted to contain a washing fluid, dividing means positioned in said tub to provide washing and fluid passage zones, said dividing means including louvered by-pass means positioned at various elevations with smaller louvers at the bottom than at the top, and means for forcing a

portion of said washing fluid through said fluid passage zone into said washing zone and the re-



mainder through said louvered by-pass means into said washing zone.

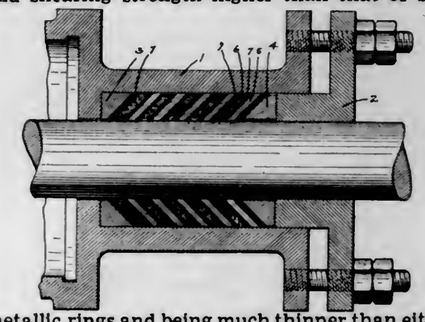
2,151,355
ELECTROMAGNETIC MOTOR
Robert K. Prince, Westfield, Mass., assignor of one-half to Ralph E. Thompson, Boston, Mass.
Application November 13, 1935, Serial No. 49,534
18 Claims. (Cl. 172—126)



13. An electro-magnetic motor, comprising means for producing a pulsating magnetic field, a pendulum mounted for oscillation adjacent to said means, and a vibratory reed of magnetic material carried by the pendulum and having a free and unloaded end positioned to pass through and be vibrated by said field upon oscillation of the pendulum.

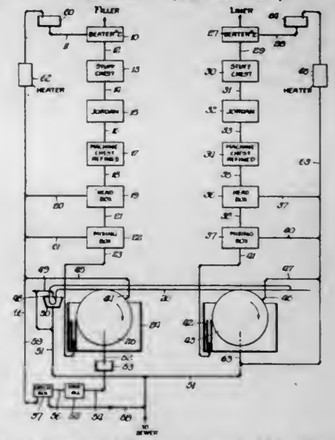
2,151,356
ROD PACKING
Walter K. Queen, Needham, Mass.
Application January 25, 1938, Serial No. 186,766
3 Claims. (Cl. 286—1)

1. A rod packing comprising a series of alternately arranged metallic and fabric sealing rings of substantial width, and protective sealing rings interposed therebetween, said protective rings being formed of flexible material having tensile and shearing strength higher than that of said



metallic rings and being much thinner than either said metallic or fabric rings.

2,151,357
PAPER-MAKING METHOD
James A. Reitzel, Morris, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application July 31, 1936, Serial No. 93,538
1 Claim. (Cl. 92—38)

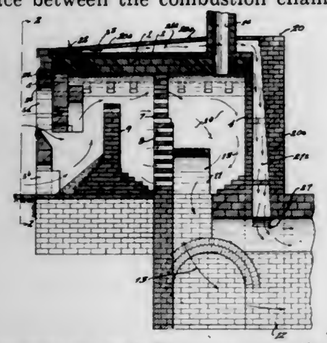


In a paper-making process, the steps which include passing a slurry of fibre through a foraminous surface to form a web and slurry water, passing a felt adjacent said surface to take off said web, washing adhering fibres from said felt with fresh water, washing adhering fibres from said foraminous surface with a restricted stream from a reciprocating spray, combining said slurry water and said foraminous surface wash water with a portion only of the felt wash water, adding a portion of said combined water to paper stock to form additional slurry, and returning a remaining portion of said combined wash and slurry water to the restricted stream from the reciprocating spray.

2,151,358
HEAT RECUPERATING WALL STRUCTURE FOR FURNACES
Lawrence R. Robinson, Zelienople, Pa., assignor to United Combustion Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 11, 1936, Serial No. 90,203
1 Claim. (Cl. 263—15)

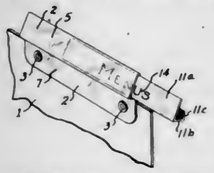
A furnace structure comprising a combustion

chamber having heat insulating side, top and rear walls, an enclosing boxlike recuperating wall structure enclosing said combustion chamber and having side, top and rear walls spaced from the side, top and rear walls respectively of the combustion chamber and defining with the respective walls of the combustion chamber intercommunicating passages means for withdrawing air from the space between the combustion chamber and



the recuperating wall structure near the bottom of the rear wall of the combustion chamber, the space between each wall of the chamber and its associated recuperating wall being gradually expanded in the direction of flow of air therethrough, and means for admitting air between the side and top walls of the combustion chamber and the associated recuperating walls adjacent the front of the combustion chamber.

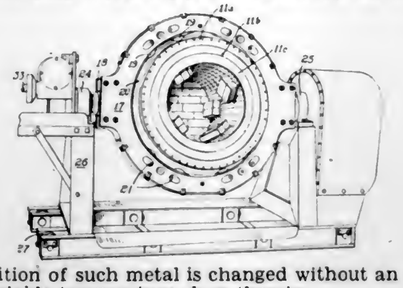
2,151,359
TAB INSERT
Fred A. Schmitz, Cincinnati, Ohio, assignor to Globe-Wernicke Company, Norwood, Ohio, a corporation of Ohio
Application May 12, 1936, Serial No. 79,324
2 Claims. (Cl. 129—16.8)



1. In a filing system, in combination with a filing element having a triangular tab, a tab insert comprising a strip of cardboard having three portions articulated together, one of said portions being of a width to snugly fit the adjacent portion of said tab, and another portion being of less width than its corresponding portion of said tab and serving to bear against said corresponding portion of said tab in frictional engagement.

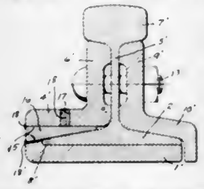
2,151,360
METHOD FOR TREATING MOLTEN METAL
Theodore Tafel, Jr., Forest Hill Village, Toronto, Ontario, Canada
Application January 14, 1937, Serial No. 120,516
2 Claims. (Cl. 75—61)

2. A method of effecting a change in the composition of ferrous metal which comprises charging a quota of molten ferrous metal and composition changing materials into the top of a container which is rotating at a peripheral speed of at least 130 feet per minute about a substantially vertical axis and while such rotation continues in tilting the container from such position of charging to pouring position whereby the com-



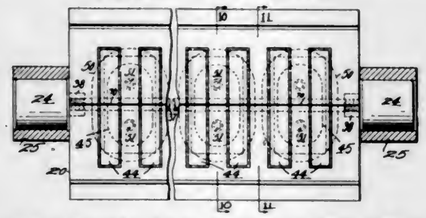
position of such metal is changed without an appreciable temperature drop therein.

2,151,361
SPLICE BAR
Vangel Theodos, San Francisco, Calif.
Application April 14, 1937, Serial No. 136,841
9 Claims. (Cl. 238—195)



5. A rail joint consisting of substantially abutting rail ends, an elongated longitudinally extending plate engaging one side of the webs of the adjoining rails, said plate being formed with a laterally opening rectangular channel extending the length of the plate along the lower edge thereof, said channel wholly enclosing the flange of the rail adjacent the said side of the webs with the lower side of the channel engaging the under side of the rail flange and said lower side extending to, but not beyond, the extremity of the opposite rail base flange, a second plate extending adjacent and abutting the web on the opposite side of the rail, bolts extending thru the plates and securing the parts in rigid relation thereto, and a wedge between the first plate and the first rail flange positioned in the innermost corner of the channel with its upper and lower surfaces disposed in planes extending convergently from the base of the channel toward the said webs of the rails.

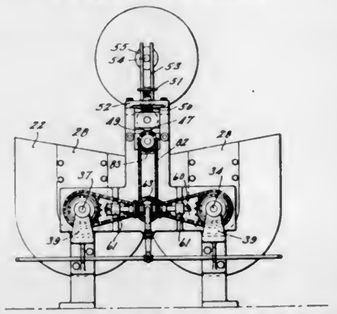
2,151,362
ANGULAR MAGNETIC CHUCK
Howard E. Tracy, Worcester, Mass., assignor to O. W. Walker Co. Incorporated, Worcester, Mass., a corporation of Massachusetts
Application May 20, 1935, Serial No. 22,325
1 Claim. (Cl. 175—367)



In a magnetic chuck, a triangular block having

an upper surface in two planes and slots extending through the block from top to bottom, and magnets having spear head poles flush with the upper surface planes, the spear-heads being cut away on one side to reduce their width to permit entrance into the slots.

2,151,363
METHOD AND APPARATUS FOR JIG-DYEING FABRICS
Frederick C. Wedler, Easthampton, Mass.
Application May 28, 1937, Serial No. 145,325
8 Claims. (Cl. 8—151)



1. A method of transferring cloth between successive separate baths of liquor which comprises unwinding the cloth from roll form while completely immersed in one bath of liquor, subjecting the unwound web to rolling pressure to remove a substantial portion of the absorbed liquor, passing the web into the next successive separate bath, and winding it into roll form while completely immersed in said successive bath.

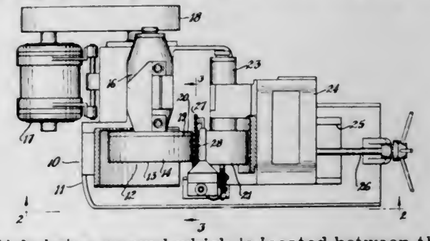
6. In a cloth dyeing machine, a pair of adjacent tanks, a pair of wind-up rolls one located wholly within each tank and spaced below the top thereof a distance greater than the radius of the roll of fabric to be wound thereon, a pair of nip rolls positioned above the adjacent tank walls to conduct a web from one tank to the other, a padder box positioned below the nip rolls, a guide to direct a web through the padder box, means for driving the nip rolls selectively in one direction or the other, and means for selectively and frictionally driving the wind-up rolls to wind thereon a fabric web delivered thereto by the nip rolls.

2,151,364
ANTHRAX VACCINE
Howard M. Winegarden, Oakland, Calif., assignor to Cutter Laboratories, Berkeley, Calif., a corporation of California
No Drawing. Application June 2, 1937, Serial No. 146,005
4 Claims. (Cl. 167—78)

1. A composition for injection purposes comprising viable anthrax spore material in a medium containing aluminum hydroxide.

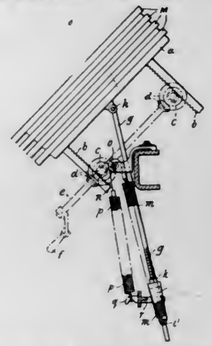
2,151,365
MACHINE FOR CENTERLESS GRINDING ARTICLES SUCH AS TAPERED ROLLERS
George D. Winkler, Stark County, near Dalton, Ohio, assignor to Tyson Roller Bearing Corporation, Massillon, Ohio, a corporation of Delaware
Application August 26, 1937, Serial No. 161,016
24 Claims. (Cl. 51—103)

9. In a centerless grinding machine, grinding means having a moving grinding surface, means for moving and applying pressures upon an elongated article with respect to the moving grinding surface, the article moving and pressure applying means including a rotary member movable towards the grinding surface and having an elongated portion for contact with elements of the elongated article being ground and flange means associated with the rotary member for contact with an end of the article being ground, common means for rotating the rotary member and applying pressure thereagainst and towards the moving grinding surface and thus rotating the



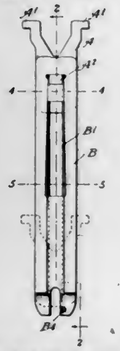
article being ground which is located between the rotary member and the grinding surface and contacting the rotating surface of the article against the grinding surface, and means for moving the rotary member and flange means endwise of the rotary member and crosswise of the direction of movement of the grinding surface so that the flange means engaging the end of the article being ground serves to move the rotating article being ground endwise of itself and crosswise of the direction of movement of the grinding surface.

2,151,366
WEIGHT COUNTERBALANCING MECHANISM FOR THE MAGAZINES OF MATRIX COMPOSING AND LINE CASTING MACHINES
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application October 19, 1936, Serial No. 106,414
In Germany June 13, 1936
9 Claims. (Cl. 199—45)



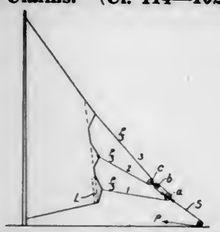
1. In a typographical composing machine, the combination of a plurality of matrix magazines, means for raising and lowering the magazines to bring one or another into operative position, and means for counter-balancing the weight of the magazine structure, said means comprising a plurality of extensible springs connected in series and disposed in such relation that the opposite ends of the compound spring system are brought into substantially closer proximity to each other than if the springs were disposed end to end in a straight line.

2,151,367
JUSTIFYING SPACEBAND
George W. Allison, St. Albans, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application November 17, 1937, Serial No. 174,960
18 Claims. (Cl. 199—68)



1. A justifying spaceband including, in combination, a pair of relatively movable wedge-shaped members presenting inner surfaces in facewise bearing contact and other surfaces in edgewise contact for guiding the members in their relative movement, and a free-fitting connection between said members acting solely to hold them against facewise movement.

2,151,368
ARRANGEMENT IN SAIL SHEETS
Halvor Tobias Heyerdahl Andresen, Oslo, Norway
Application August 28, 1937, Serial No. 161,531
In Norway August 28, 1936
5 Claims. (Cl. 114—102)



1. In the running rigging of sailing craft, a sheet arrangement in connection with a fore-and-aft sail, comprising a plurality of lines secured at spaced points along the greater part of the leech of the sail, a main sheet, and a system of blocks and pulleys connecting said lines to said main sheet, whereby said lines are self-adjusting and may adopt a setting corresponding to the force transmitted by the same, and the sail may assume the most favorable aerodynamic form under the wind conditions prevailing.

2,151,369
N-CYCLOPENTYLAMIDES OF CARBOXYLIC ACIDS
Harold Wilfred Arnold and Paul Rolland Austin, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1937, Serial No. 151,042
10 Claims. (Cl. 260—561)

1. An N-cyclopentylamide of an aliphatic monocarboxylic acid wherein the amido nitrogen is attached also to a hydrogen atom.

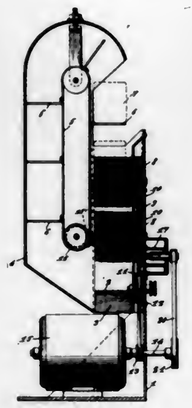
2,151,370
PROCESS FOR PREPARING A NEW TETRALIN DERIVATIVE
Yasuhiko Asahina, Tokyo, Japan
No Drawing. Application March 12, 1938, Serial No. 195,656. In Japan June 7, 1937
2 Claims. (Cl. 260—396)

1. A process of preparing a tetralin derivative possessing anthelmintic effect, which comprises reducing 6-nitrotetralin to 6-hydroxylaminotetralin and converting the latter to tetralylquinol by treatment with a mineral acid.

2,151,371
PROCESS FOR PREPARING ACYL DERIVATIVES OF TETRALYLQUINOL
Yasuhiko Asahina, Tokyo, Japan
No Drawing. Application March 12, 1938, Serial No. 195,657. In Japan October 30, 1937
4 Claims. (Cl. 260—396)

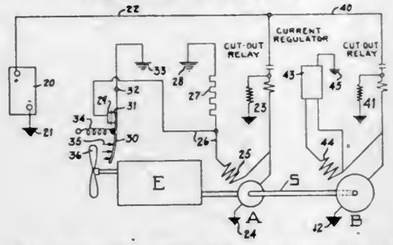
2. The acylated tetralylquinols which are characterized by effective anthelmintic action.

2,151,372
ERASER CLEANER
Charles E. Bruce, Marshalltown, Iowa
Application September 11, 1936, Serial No. 100,373
1 Claim. (Cl. 15—21)



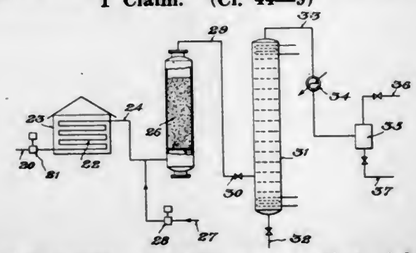
An eraser cleaner comprising a casing open at the upper end thereof and provided with discharge openings in opposite sides and adjacent the bottom of said casing, a wall arranged in the casing and including oppositely inclined portions extending in the direction of said openings for directing erasers from said casing by way of said openings, a channeled guard carried by the wall and rising therefrom outwardly of the casing and having a hood shaped upper end, a vertically arranged endless conveyor located in the guard and having one run thereof located for moving erasers downwardly toward the wall and discharging the erasers on said wall and including a plurality of flights on which the erasers may be placed, pairs of rotary brushes engaging the erasers as they move toward the wall, said hood-shaped end of the guard being spaced from the upper end of the casing to permit the erasers to be positioned on the flights, and means for operating the brushes and conveyor.

2,151,373
ELECTRICAL GENERATING SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 21, 1938, Serial No. 197,046
3 Claims. (Cl. 290—50)



1. An electrical generating system for automotive vehicles comprising in combination a vehicle propelling engine, a generator driven by the engine and having a relatively high turn armature giving a low cut-in speed, a second generator driven by the engine and having a relatively lower turn armature giving higher output when operated at high speeds, a storage battery, cut-out relays respectively connecting the battery with the generators, the first generator being cut-in ahead of the second one, and means responsive to engine speed for reducing to zero the output of the first generator to the battery.

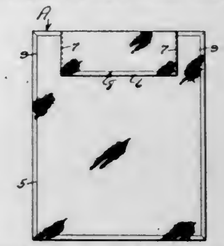
2,151,374
MANUFACTURE OF STABILIZED MOTOR FUEL
Horace B. Cooke, Arlington, Va., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1936, Serial No. 107,896
1 Claim. (Cl. 44—9)



The process of obtaining a gasoline of high anti-knock value, stabilized against formation of gums, which comprises subjecting normally gaseous olefines to contact with a solid adsorbent catalytic material, at such elevated temperature and pressure as will be effective to promote polymerization of normally gaseous olefines to normally liquid gasoline like polymers, in the presence of a phenol, whereby said phenol is caused to react with a portion of the olefinic constituents present, forming an anti-oxidant reaction product, and recovering from the resultant products gasoline containing at least a portion of the anti-oxidant material thereby formed.

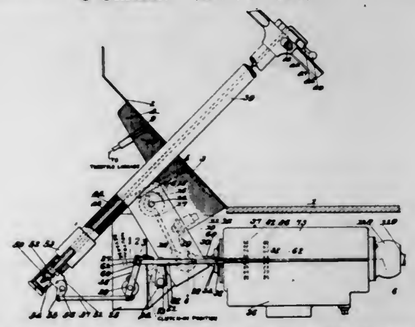
2,151,375
BEDSHEET
Adaline Rose De Voe, Ridgewood, N. J.
Application February 12, 1938, Serial No. 190,343
3 Claims. (Cl. 5—334)

1. A bed sheet comprising a one piece body portion having an end flap overlying the same and normally disposed in face-to-face contact therewith, said flap being joined to said body portion by spaced lines of stitches disposed in parallelism with the side edges of said body portion to form



a resultant pocket for receiving one end of a mattress, said lines of stitches being spaced from the side edges of the body portion to provide resultant side flaps for covering the side walls of the pocket and mattress.

2,151,376
TRANSMISSION MECHANISM
Rollie R. Eastin, Port Huron, Mich., assignor of five per cent to Jesse C. Castator and Loretta Castator, ten per cent to Walter Burns, ten per cent to Robert A. Gray, Jr., ten per cent to William Burns, and fourteen per cent to Reginald Smith, all of Port Huron, Mich.
Application March 31, 1936, Serial No. 71,915
8 Claims. (Cl. 74—334)

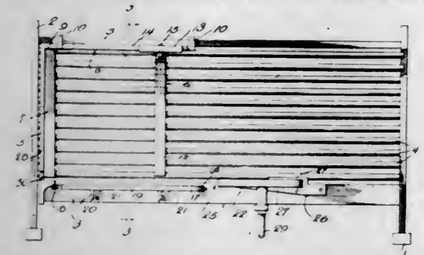


1. The combination with a drive shaft adapted to be clutched to a source of power, of a clutch fork, a transmission mechanism having a gear set which is driven constantly from the drive shaft while the fork is in a clutch engaging position, and having a driven shaft with a plurality of speed-change gears thereon, a clutch pedal, a linkage between said pedal and clutch fork for the operation of the clutch, shifting mechanism adapted to be operated to select the wanted gear when the pedal is depressed to move the fork to a clutch disengaging position, and means positively connected to said linkage first to render all of the speed gears loose on the driven shaft when the clutch pedal is depressed, second to cause automatic locking of only the selected gear to the driven shaft when the clutch pedal is released.

2,151,377
CANDY CUTTING MACHINE
George P. Economakis, Asbury Park, N. J.
Application September 15, 1938, Serial No. 230,149
11 Claims. (Cl. 107—22)

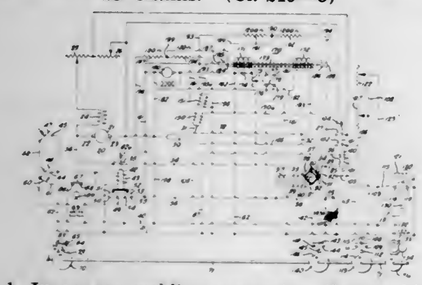
1. A candy cutting machine including a candy

mass support, means for moving the candy mass longitudinally of the support, a cutter for severing a strip from the candy mass during such movement, means for mounting the support to cause the candy mass to gravitate to a position for



the cutting operation, and means for limiting the gravital movement of the candy mass under such gravital influence to position the candy mass for the cutting operation, said means moving with the candy toward the cutter.

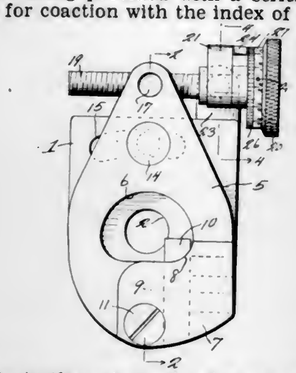
2,151,378
WELDING APPARATUS
George W. Elsey, La Grange, Ill., and Charles F. Wittlinger, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 23, 1937, Serial No. 160,436
25 Claims. (Cl. 219—8)



1. In an arc welding apparatus, the combination with a welding electrode; a work holder for locating relative to the electrode a rotor to be welded; motor actuated means for effecting rotation of the workholder at a definite rate of speed; a welding circuit; a motor circuit; a normally open switch connected in the motor circuit; and means actuated by the operation of the motor to close the switch to alter the motor circuit for increasing the motor speed and for concurrently increasing the speed of the rotor past the electrode prior to the opening of the welding circuit.

2,151,379
TOOL HOLDER
Jacob E. Flaker, Barberton, Ohio
Application August 16, 1938, Serial No. 225,244
4 Claims. (Cl. 82—35)

1. A tool holder comprising a plate provided with attaching means, a second plate pivotally connected at one end portion to the first plate, a cutter block carried by the pivoted end portion of the second plate provided with a cutter socket, a nut swivelled to the upper portion of the second plate, a shank threading through said nut, a bearing for the shank swivelled to the plate, said bearing carrying an index, and an operating head for rotating the shank, and a member carried by the head and rotatably surrounding the head, said member being provided with a series of graduations for coaction with the index of the bearing

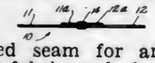


to indicate the extent of swinging movement of the second plate in either direction upon rotation of the shank.

2,151,380
AMIDES OF ACIDS OF PHOSPHORUS
Robert B. Flint and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 1, 1937, Serial No. 128,494
14 Claims. (Cl. 260—461)

1. An amide of a phosphorus acid wherein one hydroxyl of a phosphorus acid is replaced by a radical of the formula NR'R wherein R is an open chain hydrocarbon radical of at least ten carbon atoms and R' is one of the group consisting of hydrogen and alkyl radicals.

2,151,381
GARMENT SEAM
Robert Goldsmith, Orange, N. J.
Application July 17, 1934, Serial No. 735,622
10 Claims. (Cl. 112—262)



1. A stitched seam for articles made of a delicate textile fabric, and whereby the formation of openings in the fabric by slippage of the yarns is substantially prevented, including a plurality of woven fabric sections having at their edges main portions and fold portions in abutment with each other along their fold lines, a line of stitching interconnecting the sections along the fold lines between the main and fold portions, and a cross stitching extending along both surfaces of the seam and passing through the main and fold portions along spaced lines lying spaced back of the fold lines, said cross stitching passing back and forth across the fold lines of these sections at both surfaces of the seam and passing through the main and fold portions of each section at equal distances from the fold line of the section.

2,151,382
DIOLEFIN POLYMERIZATION PROCESS
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1937, Serial No. 153,433
5 Claims. (Cl. 260—86)

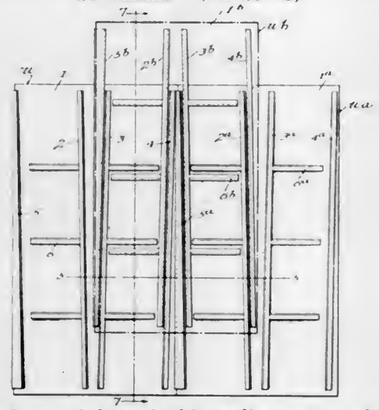
1. The process of polymerizing butadiene which comprises bringing the same in contact with a solution of one mol of boron fluoride in 1.25 mols of water at 25 to 35° C.

2,151,383
CLOSURE
Thomas Morley Hill, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1935, Serial No. 52,076
1 Claim. (Cl. 215—40)



A container closure including a sealing cushion comprising a base of relatively thick and compressible substance, a facing of foil on said base and affixed thereto by means of a stratum of thermoplastic adhesive, and a protective sealing film of vinyl resin lacquer on the exposed surface of said facing, said film being of such thinness that the foil does not lose its identity as a sealing means.

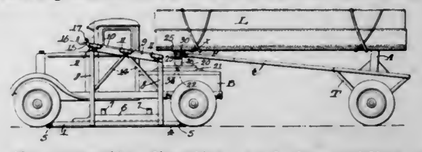
2,151,384
INTERLOCKING WALL UNIT AND WALL
Erwin A. Horn, Seattle, Wash., assignor to I. F. Laucks, Seattle, Wash.
Application December 20, 1937, Serial No. 180,889
21 Claims. (Cl. 20—4)



1. A panel-face double-wall structure having staggered panel joints and composed of mutually attached units, comprising the features that each of said units includes a rectangular facing panel having at least two divergent stud members attached to one side thereof, that the units are assembled with their upper and lower panel ends in substantially aligned relation, that a divergent stud on each of two abutting units on one side of the wall is interposed between two divergent studs on one unit on the opposite side of the wall, and that the adjacent opposed stud edges on the units are mutually parallel and in contact.

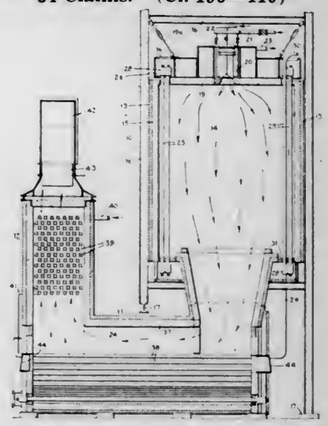
2,151,385
LOADING APPARATUS
Albin G. Jacobson, Crossett, Ark.
Application November 17, 1937, Serial No. 175,142
12 Claims. (Cl. 254—45)

1. The combination with load transporting means, a lower bunk thereon, an upper bunk shaped for nesting engagement with the lower bunk, of means in the path of the upper bunk for moving it out of nesting engagement with the lower bunk during the travel of the transporting means in one direction, and means on the upper bunk and cooperating with the lower bunk for receiving thrust from the lower bunk when moved



in the opposite direction and for guiding the upper bunk into nesting engagement with the lower bunk, said guiding means being extended longitudinally of the upper bunk.

2,151,386
FURNACE
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 16, 1929, Serial No. 355,600
34 Claims. (Cl. 196—110)

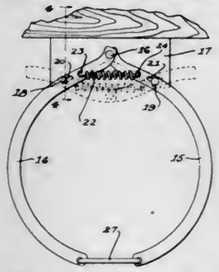


6. Oil heating apparatus for heating oil to conversion temperature comprising separate heat-absorption structures disposed in different zones, means for producing a current of hot combustion gases through said zones in series and for heating the absorption structure in one of said zones by convection, the heat-absorption structure of another of said zones horizontally disposed substantially entirely below said means for producing said hot gases and the point of entry of gases therein and substantially entirely below the point of withdrawal of gases therefrom, with substantially all of said last-mentioned heat-absorption structure being exposed directly to radiation from said gases and heated preponderantly by radiation, and means for conducting the oil from the heat-absorption structure in one of said zones to the heat-absorption structure in the other of said zones.

30. In a furnace comprising a vertically arranged substantially cylindrical combustion chamber, a heating coil composed of a plurality of vertically disposed interconnected heat absorbing tubes adjacent to the wall of the combustion chamber and disposed on an annular pitch circle, the center of which substantially corresponds with the center of the combustion chamber, means for directing burning fuel and the products of combustion thereof in a central longitudinal and unobstructed path through said chamber and substantially out of contact with

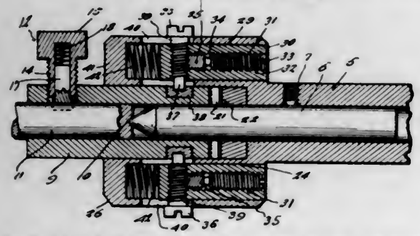
said tubes, an insulated flue section free from heat absorbing tubes and leading from the lower part of said combustion chamber, an outlet flue connected with said flue section, and a plurality of heating tubes all arranged longitudinally within said outlet flue and connected to said first mentioned tubes, forming a secondary heat absorbing unit.

2,151,387
RUG DISPLAY MEANS
Lewis E. Leatherbury, Elwood, Ind.
Application May 18, 1938, Serial No. 208,558
4 Claims. (Cl. 24—254)



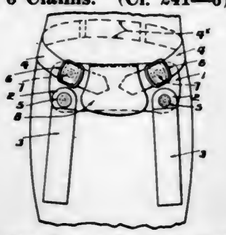
1. The combination of a pair of arcuate arms, means hinging together the rear ends of the arms, a supporting bracket, a pair of pins carried by the bracket guiding said arms and limiting swinging thereof, and a spring interconnecting said arms back of said pins and forwardly of said hinge means, said pin means being arranged to allow the hinged ends of the arms to travel forwardly of the line of the pins when the arms are spread apart, and said spring being further mounted in relation to the pins and hinged ends to be carried forwardly of the pins upon said spreading.

2,151,388
FLOATING TAP, REAMER, AND DRILL HOLDER
Edward F. Loughlin, Providence, R. I.
Application October 11, 1937, Serial No. 168,470
3 Claims. (Cl. 279—9)



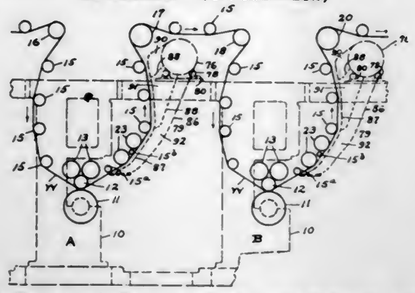
1. A tool holder comprising a barrel having a chambered end, a tool spindle adjustably secured in the barrel and having a conical shaped end arranged outwardly of the chambered end of the barrel, a tool socket tube slidably received in the chambered end of the barrel with the spindle extending therein for the slidable support of said tube, means for securing a tool in said tube with abutting engagement with the conical shaped end of the spindle, clutch teeth on said tube, a clutch element mounted in the chambered end of the barrel to be engaged by the clutch teeth on sliding of the barrel towards the tool when engaged with work, and spring means carried by the barrel and connected to said tube and acting to engage the clutch element and the teeth and permitting the barrel to be manually moved to disengage the clutch element from the teeth while the tool is engaged with the work.

2,151,389
SUSPENDER FOR SOCKS OR STOCKINGS
William Leonard Morgan, Brockley, London, England
Application February 9, 1938, Serial No. 189,695
In Great Britain February 12, 1937
8 Claims. (Cl. 241—6)



1. Suspenders for socks or stockings, and of the kind set forth, comprising in combination a leg band and two pieces of pile fabric positioned so as to extend down each side of the leg, the two pieces of fabric having their pile surface on the outer face and engaging the inner side of the sock to afford a two-point suspension from the band.

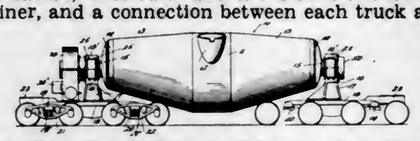
2,151,390
INTAGLIO WEB PRINTING MACHINE
Claus F. Peterson, Chicago, Ill., assignor to Neo-Gravure Printing Co. Inc., New York, N. Y., a corporation of New York
Application October 7, 1936, Serial No. 104,547
19 Claims. (Cl. 101—152)



1. In a printing machine, cooperating form and impression printing cylinders, means for guiding a web to and from the printing cylinders, and a plurality of heating rollers smaller than the said form cylinder positioned immediately adjacent each other and the printing cylinders to engage the printed web at a plurality of points immediately it leaves the printing cylinders to dry the ink deposited on the web during the printing operation.

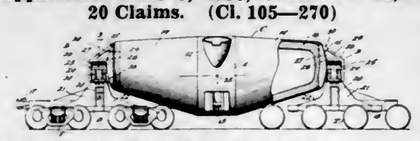
2,151,391
APPARATUS FOR TRANSFERRING MOLTEN MATERIALS
John D. Pugh, Baltimore, Md.; Addie A. Pugh and F. Howard Smith, executors of said John D. Pugh, deceased, assignors to Addie A. Pugh, Baltimore, Md.
Application May 29, 1936, Serial No. 82,656
24 Claims. (Cl. 105—270)

1. Apparatus for the transportation of molten materials or other fluids comprising an elongated container, wheeled trucks at the ends of the container, and a connection between each truck and



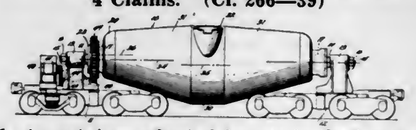
the adjacent end of the container, each such connection including a coupling having the nature of a universal joint, said coupling being positioned on the extended axis of the container.

2,151,392
APPARATUS FOR THE TRANSPORTATION OF MOLTEN MATERIALS
John D. Pugh, Baltimore, Md.; Addie A. Pugh and F. Howard Smith, executors of said John D. Pugh, deceased, assignors to Addie A. Pugh, Baltimore, Md.
Application June 5, 1936, Serial No. 83,766
20 Claims. (Cl. 105—270)



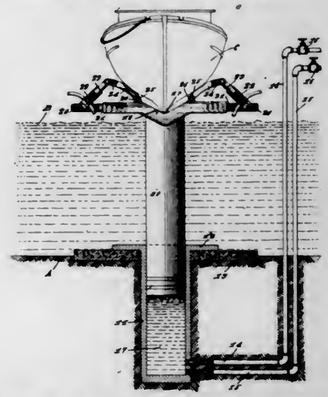
1. Apparatus for the transportation of molten materials comprising spaced trucks, a container having its ends adjacent the trucks, and means mounting the container ends upon the trucks, respectively, one such means including a trunnion member rigid with the container end and a trunnion support mounted on the adjacent truck, the trunnion member having two cylindrically curved bearing surfaces and the support having two correspondingly curved seating surfaces, the curved surfaces of the trunnion and support being normally in contact, respectively, and the container being tiltable about the axis of either such curved trunnion surface.

2,151,393
APPARATUS FOR THE TRANSPORTATION OF MOLTEN MATERIALS
Spottiswoode W. Randolph, Baltimore, Md., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application July 1, 1936, Serial No. 88,475
4 Claims. (Cl. 266—39)



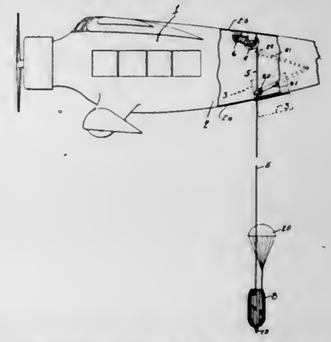
1. A container adapted for use in the transportation of molten materials comprising a cylindrical mid-section in which a pouring aperture is formed, conical end sections the larger end of each of which is secured to the mid-section, and means at the outer ends of the conical end sections for supporting the container for rotation about a horizontal axis, the axis of the mid-section being parallel to and spaced from the axis of rotation of the container and the axes of the conical end sections being disposed in the plane which includes the said axis of rotation and the axis of the mid-section and being inclined to said axes, the axis of the mid-section being below the axis of rotation of the container when the pouring opening is in its uppermost or non-pouring position and the axes of the end sections sloping upwardly, respectively, from the ends of the axis of the mid-section, the outer ends of said end section axes being spaced above the axis of rotation of the container when the container pouring opening is in non-pouring position.

2,151,394
BOAT'S DRYDOCK
Clifton L. Rogers, Moss Point, Miss.
Application July 22, 1938, Serial No. 220,773
2 Claims. (Cl. 61—65)



1. A drydock of the character described comprising a fluid operated perpendicularly arranged raising and lowering plunger, an elongated cradle fixed to the upper end of said plunger and having a keel way, vertically swinging arms pivoted to the cradle at opposite sides of the keel way for engaging a ship's hull when resting in the way, piston cylinders pivoted to said cradle at a distance outwardly with relation to said arms, pistons working within said cylinders for reciprocation therein and having pivotal connection with the said arms, a fluid cylinder having the plunger telescopically movable therein, and means for delivering fluid to and from the said piston cylinders.

2,151,395
METHOD AND APPARATUS FOR CARGO LOADING AND DISCHARGING IN FLIGHT
Beauford B. Smith, Emigrant Gap, Calif., assignor to A. M. Hinman, Emigrant Gap, Calif.
Application November 23, 1936, Serial No. 112,392
7 Claims. (Cl. 244—137)



4. In combination with an airplane, a hopper, a tether connecting the airplane and the hopper,

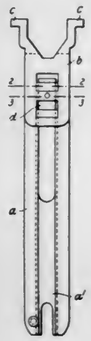
parachute means attached to the hopper to maintain the hopper in upright position, and means attached to the airplane for recovering the tether and hopper.

2,151,396

SPACEBAND FOR MATRIX COMPOSING AND LINE CASTING MACHINES

Wilhelm Sperling, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York

Application January 11, 1937, Serial No. 119,967
In Germany January 17, 1936
5 Claims. (Cl. 199—68)



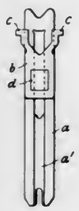
1. A spaceband for a matrix composing and line casting machine comprising relatively movable members, wherein one of said members is provided with a part secured thereto by inter-engagement of portions thereof suitably shaped to permit such inter-engagement by a relative movement of the member and part in their own plane.

2,151,397

SPACEBAND FOR MATRIX COMPOSING AND TYPE LINE CASTING MACHINES

Wilhelm Sperling, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York

Application August 6, 1937, Serial No. 157,702. Renewed September 13, 1938. In Germany December 17, 1936
6 Claims. (Cl. 199—68)



1. A spaceband for a matrix composing and type line casting machine comprising relatively movable members, wherein one of said members is formed of parts having suitably shaped portions to be detachably assembled by interfitting engagement and being adapted to be held together by their assembly with the other member to form the complete spaceband.

2,151,398

METHOD OF PRODUCING AIR FOAM

Adolf Weissenborn, Hamburg, Germany, assignor to the firm Fabrik Chemischer Praeparate Von Dr. Richard Sthamer, Hamburg-Billbrook, Germany

No Drawing. Application July 6, 1937, Serial No. 152,241. In Germany July 6, 1936
3 Claims. (Cl. 23—11)

1. A method of producing air foam comprising dissolving a degradated protein and a salt of a polyvalent metal in a lower state of oxidation in water and converting the solution into foam in presence of an oxygeniferous gas.

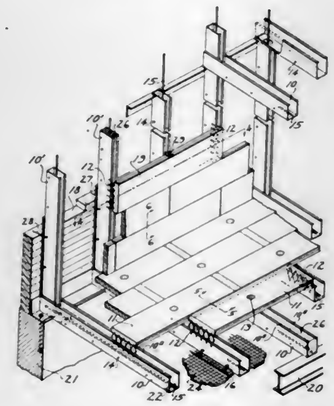
3. The method claimed in claim 1 in which the metal salt is ferrous sulphate.

2,151,399

BUILDING CONSTRUCTION

Eugene B. White, Oak Park, Ill.

Application September 26, 1936, Serial No. 102,669
9 Claims. (Cl. 72—1)



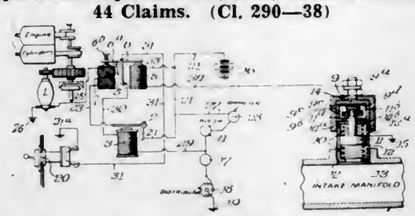
1. As a new and useful framework for reinforced concrete building, a flooring consisting of thin horizontally disposed metal channels having their open upper sides provided with horizontal flanges and having longitudinally extending reinforcing rods near the bottom, connected to floor slabs having their ends resting on said flanges and having reinforcing material therein with its ends projecting from the ends of said slabs and extending down into the channels on which said ends rest, said channels and slabs being permanently connected by cementitious material poured into and filling said channels, in combination with walls constructed of similar metal channels vertically disposed and registered with the flooring channels and with their open sides facing inwardly and having vertical reinforcing rods therein and connected by similar wall slabs having reinforcing material therein with its ends extending into the vertical channels, said vertical channels and wall slabs permanently connected by cementitious material poured into and filling said vertical channels, the ends of the reinforcing rods of the horizontal channels extending into the vertical channels.

2,151,400

AUTOMATIC STARTING DEVICE FOR INTERNAL COMBUSTION ENGINES

Lloyd M. Williams, Oak Park, Ill., assignor, by mesne assignments, to Lloyds Mfg. Co., Chicago, Ill., a corporation of Illinois

Application September 24, 1928, Serial No. 308,018
44 Claims. (Cl. 290—38)



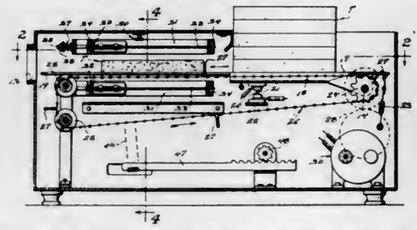
19. In an automatic starting mechanism for internal combustion engines, a starting circuit including an electro-magnetic starting switch, a control circuit for said starting switch including circuit making and breaking means, means responsive to the cranking load for maintaining the making and breaking means closed during cranking, and fluid pressure operated means responsive to rotation of the engine for opening said making and breaking means when the engine starts.

2,151,401

ELECTRIC TOASTER

Walter E. Belcher, Seattle, Wash., assignor to Electrical Safety Appliance Co. Inc., Seattle, Wash., a corporation of Washington

Application February 15, 1936, Serial No. 64,127
3 Claims. (Cl. 219—19)



3. In a toaster, a toasting compartment, electric heating elements supported therein, a normally open electric circuit including said heating elements, electrically operated feed mechanism for introducing the work from a supply compartment therefor to the toasting compartment, a normally open electric circuit including the operating means for the feed mechanism, and means the operation of which is automatically initiated by introduction of work to the supply compartment for closing said circuits successively to energize the heating elements in advance of the energizing of said operating means for the feed mechanism.

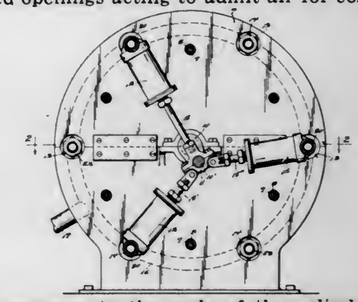
2,151,402

AIR COMPRESSOR

Carl E. Burch, Seattle, Wash.

Application March 15, 1937, Serial No. 130,918
3 Claims. (Cl. 230—194)

1. In an air compressor, in combination with a plurality of radially disposed pistons and a driving crank common to each of the pistons and centrally disposed with respect thereto, cylinders for the pistons pivotally mounted in uniformly-spaced relation circumferentially about the axis of the crank, said pivotal mounting comprising hollow wrist pins of which the cavities thereof are in constant communication with the bore of the related cylinder at one end thereof, and a connecting manifold providing constant communication between each of said wrist-pin cavities, the cylinder-and-piston assembly providing valved openings acting to admit air for compression purposes to the ends of the cylinders opposite the wrist pins in one stroke of the piston cycle and pass the air under the influence of compression action thereon to the other ends of the cylinders in the opposite-stroke of the piston cycle.

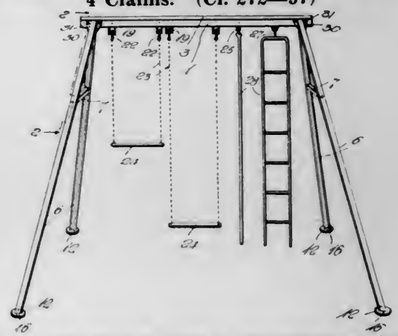


2,151,403

PLAYGROUND SWING

Ethelyn M. Burke, Fond du Lac, Wis.

Application July 26, 1937, Serial No. 155,797
4 Claims. (Cl. 272—57)



1. A playground swing comprising a hollow supporting bar, a reinforcing core therein, a protecting cap rail positioned in said bar and extending beyond the sides thereof, means for supporting said bar in spaced relation to the ground, and exercising means suspended from said bar.

2,151,404

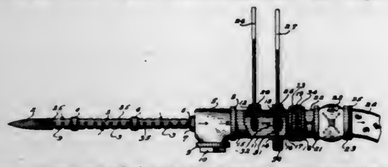
APPARATUS FOR DETERMINING THE MOISTURE CONTENT OF AIR PERVADING FIBROUS MATERIAL

George E. Gaus, Washington, D. C., and Charles A. Bennett, Stoneville, Miss.; dedicated to the free use of the People of the United States

Application March 20, 1937, Serial No. 132,100
1 Claim. (Cl. 73—338)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

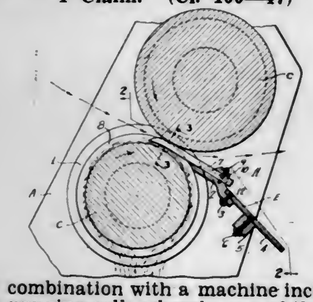
An apparatus for determining the moisture content of vapors confined at substantially static pressure within bulk fibrous material, comprising an acuminated tubular perforated member adapted to penetrate fibrous material and adapted to tap and to conduct confined vapors exteriorly thereof, a chamber connected to the open end of said tubular member, a dry bulb thermometer and

a wet bulb thermometer removably housed in said chamber, said dry bulb thermometer located adjacent to the open end of the tubular member and said wet bulb thermometer positioned in line with said dry bulb thermometer, an aspirator



means connected to said chamber oppositely to said tubular member whereby said vapors to be tested may be continuously induced within said tubular member and passed beyond said dry bulb and wet bulb thermometers respectively.

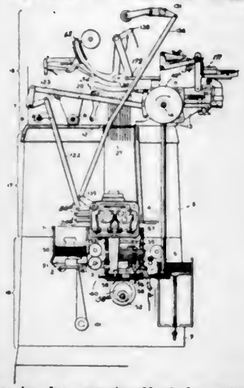
2,151,405
TINE FOR DEEP JUICE GROOVES
Henry Hurter and Carl J. Kurth, St. Louis, Mo., assignors to Fulton Iron Works Company, St. Louis, Mo., a corporation of Delaware
Application November 22, 1937, Serial No. 175,832
1 Claim. (Cl. 100—47)



The combination with a machine including coacting pressing rolls wherein one of the pressing rolls has deep juice-receiving grooves in the pressing surface thereof, of tines, said tines consisting of relatively narrow blades adapted to enter the juice-receiving grooves, said grooves having greater depth and width than said tines, and means for supporting said tines to retain the tines in a position in advance of, in, and at the rear of the pressure zone of said grooved roll, in, and within the grooves, the support for said tines being mounted at the discharge side of said roll, the construction of the co-acting roll with relation to the grooved roll being such that the lower surface of the tine cannot be forced thereby into contact with the lower surface of the groove.

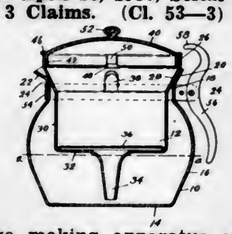
2,151,406
AUTOMATIC SUB- AND GRAND-TOTALING MECHANISM
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 11, 1933, Serial No. 656,233
11 Claims. (Cl. 235—61.7)

1. In a punched record controlled machine, the combination of set-pins arranged in rows corresponding to the rows of index positions on the record; record-sensing devices acting to set said pins selectively according to the perforations sensed; two separate retaining devices for the set-pins of each row, said devices retaining the pins in set position until the next record is sensed, one of said retaining devices being common to some only of the pins of the row and the other to other only of the pins of the row; two separate detectors for detecting changes in the setting of the set-pins of each row, one of said detectors cooperating with the set-pins controlled by one of said retaining devices and the other detector with the set-pins controlled by the other retaining device; and total-taking mecha-



nism settable to be controlled by either one of said detectors, whereby total-taking may be brought about by a change of designation in one part of the row of index positions of the record without being brought about by a change in the other part of the row.

2,151,407
BEVERAGE MAKING APPARATUS
Frederick Lobl, Middleboro, Mass.
Application April 16, 1936, Serial No. 74,659
3 Claims. (Cl. 53—3)

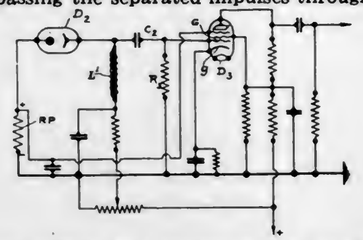


1. Beverage making apparatus comprising a lower receptacle, an upper open top receptacle located mainly within said lower receptacle, a tube opening into the bottom part of said upper receptacle and terminated close above the bottom of said lower receptacle, a removable cover for the open top of said upper receptacle, and a handle for said apparatus having a pivotal connection with said lower receptacle and a part automatically movable upon said cover by the pivoting of said handle, whereby to hold said cover upon said upper receptacle upon the tilting of the apparatus by said handle.

2,151,408
METHOD OF RECORDING AND REPRODUCING SOUND
Pier Carlo Ricchiardi, Paris, France
Application July 15, 1936, Serial No. 90,801
5 Claims. (Cl. 179—100.3)

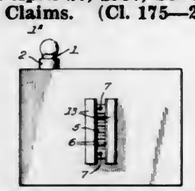
1. A method for reproducing and amplifying sound from a film bearing a plurality of sound records, one of which records comprises a sound frequency modulation together with the corresponding normal sound volume variations, and another of which records comprises additional sound volume having a lower frequency than that of said sound frequency modulation record, said method comprising simultaneously picking up the impulses of each record with a common

means, filtering said impulses to separate the modulation record impulses from the lower frequency impulses of the additional volume record and passing the separated impulses through am-



plifying means, and employing the impulses of the additional volume record passing through the filtering means to control the amplification factor of said amplifying means.

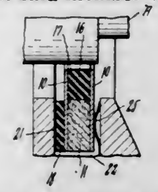
2,151,409
ELECTRIC MATCH
Rene Gaston Richard, Springfield, Ill.
Application April 27, 1937, Serial No. 139,329
2 Claims. (Cl. 175—296)



1. In an electric lighter, the combination comprising a central member shaped to define integral electric contact means and provided with means for its connection with a source of electric energy, said grill member formed of transverse integral bars having spaces between them, said grill member disposed in a position on its support to provide a space for circulation of air through and about the same, a pair of parallel plates secured respectively on each side of said grill member and each plate extending upwardly and inwardly about said grill member and respectively terminating along their adjacent uppermost edges over the grill member and thus registering in a predetermined space relation sufficient to define an effective guard against unintentional contact between said grill and the same and spaced apart in their adjacent upper edges far enough only to admit of the free movement of a mechanical match between said adjacent edges as it contacts said grill member; said guard plates each connected to a source of electric energy and each insulated from said grill plate, said grill member adapted to be operatively connected to one pole of a battery or source of electric energy and said said guard plates each jointly connected to an opposite pole of a battery or source of electric energy, and insulation means flanking the outer surface of each of said guard plates for protection against an accidental contact therewith.

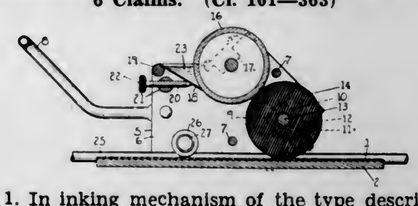
2,151,410
ART OF MAKING DUST GUARDS AND/OR PACKING
Herman W. Richter, Bridgewater, Mass., assignor to George O. Jenkins Company, Bridgewater, Mass., a corporation of Massachusetts
Application October 17, 1935, Serial No. 45,419
6 Claims. (Cl. 286—6)

1. The method which comprises securing to a face of a member a layer of spongy elastically expansible material, saturating said material with a molten thermoplastic, compressing said material against said member while the thermo-



plastic is molten and causing the thermoplastic to harden while said material is compressed to thereby retain said material in its compressed state, and then removing the compressing pressure.

2,151,411
PLATE INKING DEVICE AND METHOD
Charles P. Shaw, Detroit, Mich., assignor to Detroit Moulding Corporation, Detroit, Mich.
Application February 24, 1936, Serial No. 65,244
6 Claims. (Cl. 101—363)



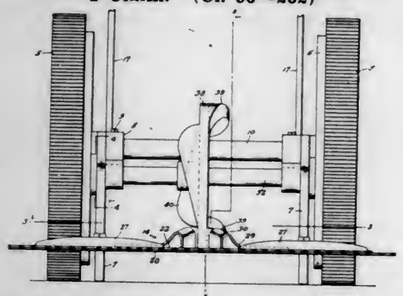
1. In inking mechanism of the type described for inking a relief or surface printing plate, a carriage adapted to be translated past a printing plate to be inked, a plate inking roller journaled in said carriage for rolling contact with said plate, a supply roller journaled in said carriage in rolling contact with said plate inking roller, the surface of said supply roller being minutely grained, an adjustable scraper coacting with said supply roller to regulate the thickness of a layer of ink thereon, said supply roller transferring to said inking roller a uniform film of ink above the surface of the supply roller, augmented by ink in the minute grainings thereof, and means for translating the carriage past the plate to be inked to transfer ink directly thereto from said plate inking roll without further working of the ink.

2,151,412
PROCESS FOR THE UTILIZATION OF SAWDUST FOR THE PRODUCTION OF PLASTICS
Earl C. Sherrard, Edward Beglinger, John P. Hohf, and Raymond L. Mitchell, Madison, Wis., and Ernest Bateman, deceased, late of Madison, Wis., by William T. Bateman, Madison, Wis., special administrator, assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application January 28, 1938, Serial No. 187,566
1 Claim. (Cl. 260—227)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A method for the preparation of a material suitable for molding, which consists in subjecting substantially 50 parts of dry sawdust to the action of about 450 parts glacial acetic acid and a temperature of about 100° C., the while stirring the mixture for from 6 to 8 hours, thence

subjecting the mixture to the action of a temperature ranging from 0° to 5° C., thence adding 250 parts acetic anhydride to which has been added from 1½ to 3 parts of a mineral acid catalyst, maintaining the temperature at 10° to 15° C. for about 3 hours, thence raising the temperature slowly to 30° to 40° C. at which temperature it is maintained 3 to 4 hours, thence washing the mixture free of acids, and thence drying the acetylated wood to a moisture content suitable for molding.

2,151,413
TRIMMER
Paul Woitynek, Peoria, Ill.
Application July 22, 1936, Serial No. 92,020
1 Claim. (Cl. 56—262)



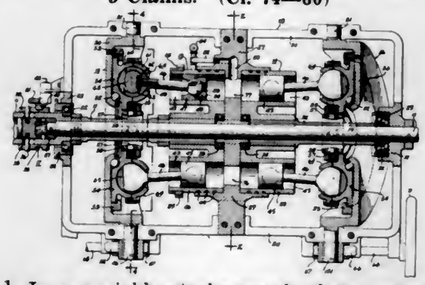
The improved lawn mower described comprising essentially a frame having spaced parallel forward extensions, ground wheels connected with the frame and having internal gears, cutting means including a stationary cutting plate supported on said extension, a reciprocatory cutting plate, means for securing the same on the stationary cutting plate supported in front of the lower portions of the wheels, a pair of blocks fixed to the upper side of the said reciprocatory cutting plate adjacent its rear edge, heads on the inner ends of said blocks having rounded upper portions and also having spaced, opposed, and rearwardly converged sides, a transverse shaft journaled in the forward portion of the frame, a wheel fixed on said shaft and movable between the opposed sides of the heads on said blocks and having cams at its opposite sides, and pinions on said shaft and meshed with said internal gears of the ground wheels and connected by ratchet means with the shaft.

2,151,414
SEEDING APPARATUS
Elias A. W. Beemer, Langstaff, Ontario, Canada, assignor of one-half to Murray H. Blandin, Toronto, Ontario, Canada
Application May 15, 1937, Serial No. 142,735
15 Claims. (Cl. 111—74)



1. In seeding apparatus the combination of a rotary seed reservoir adapted to be rotated as the apparatus is moved over the ground; a series of flights fixed to the interior of the reservoir adapted to raise seed contained in the reservoir and drop it from an elevation; a fixed seed conduit extending through one side of the reservoir to a delivery point and having its upper end positioned to receive seed dropped by the flights; and adjustable flow control means interposed in the part of the conduit within the reservoir whereby the seed entering the spout may be divided, more or less passing down the conduit to the delivery point and the remainder passing again into the reservoir.

2,151,415
HYDRAULIC TRANSMISSION
David S. Bennetch, Sheridan, Pa.
Application May 31, 1935, Serial No. 24,353
5 Claims. (Cl. 74—60)



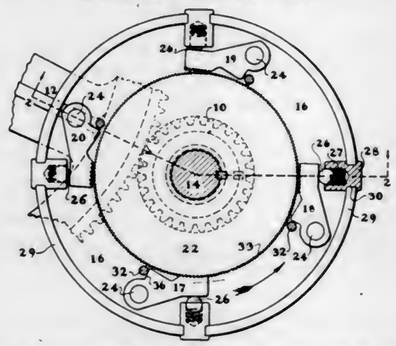
1. In a variable stroke swash plate engine, a shaft, a cylinder block mounted on said shaft and having a plurality of axially extending cylinders, pistons in said cylinders, a tiltable swash plate housing, a swash ring journalled on said housing and having a plurality of socket members, one for each cylinder, hollow connecting rods, each having a swash ring ball at one end and a piston ball at the other end, said pistons having sockets for said piston balls, said swash ring ball being hollow and having an end face cut on a plane perpendicular to the axis of the connecting rod, said face having an effective area equal to the area of its cooperating piston, whereby the fluid pressure in the cylinder is communicated to said swash ring bearing so that the total force exerted by the liquid between said swash ring and connecting rod is substantially the same as the total force of the liquid on the piston.

2,151,416
PERFORATION CLEANER
Julian P. Black, Los Angeles, and Howard C. Stroebel, Whittier, Calif.
Application May 3, 1938, Serial No. 205,746
7 Claims. (Cl. 166—18)



1. A perforation cleaner comprising a body having a plurality of outwardly extending wire bristles secured thereto, said bristles having a plurality of convolutions formed therein adjacent the body arranged in planes transverse to the lengths of the bristles rendering the bristles more readily bendable adjacent the body than outwardly therefrom.

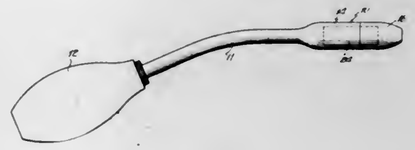
2,151,417
POWER DRIVING MECHANISM
William H. Blount, Worcester, Mass., assignor of one-half to Sleeper & Hartley, Incorporated, Worcester, Mass., a corporation of Massachusetts
Application April 1, 1937, Serial No. 134,255
2 Claims. (Cl. 74—576)



1. A power mechanism for converting a reciprocatory motion into an intermittent, uni-directional, rotary motion comprising a fine toothed ratchet wheel and a pawl carrier which are relatively rotatable about a common axis, means including a driven gear rotatable about said axis for revolving one of said members as a driver alternately in opposite directions, a plurality of pawls on said carrier which are so constructed and arranged as to divide the tooth spacing of the ratchet so that but one pawl can mesh with a ratchet tooth at a given time, a spring resiliently engaging each of the pawls and tending to force the same quickly into mesh with the ratchet teeth, a friction member having an extensive friction surface engaging a side face of the ratchet wheel and which rotates coaxially with the ratchet wheel and carrier in the forward direction while the pawl and ratchet teeth are in driving engagement but which rotates with the driver and slips relative to the driven member during a reverse motion, and means on the friction plate projecting into the path of the pawls which causes a reverse rotation of the driver to lift and hold the pawls out of engagement with the ratchet wheel.

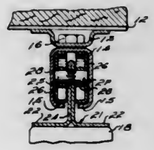
2,151,418
POWDER APPLICATOR
Brown Bolté, Orange, N. J., assignor to Scott & Bowne, Bloomfield, N. J., a corporation of New Jersey
Application May 12, 1937, Serial No. 142,154
4 Claims. (Cl. 128—265)

2. In a device of the character described, an insertible head member for body cavities comprising two hollow members each havng a longitudinally extending passage, means for securing said hollow members together to combine in providing a cartridge receiving chamber having an inlet passage and an outlet passage, means adapted to hold a cartridge against longitudinal movement in said chamber when said members are secured together in their operative position, and means for rupturing one end of said cartridge



during relative movement of the members to their connected position.

2,151,419
ADJUSTABLE SEAT
Arthur A. Buchner, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application December 17, 1934, Serial No. 757,802
2 Claims. (Cl. 155—14)

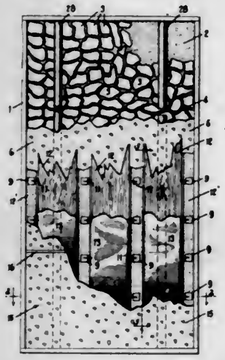


1. In an adjustable seat including a supporting structure and a seat structure, means movably mounting said seat structure on said supporting structure including spaced downwardly opening channel-shaped members secured to said seat structure, each of said members having an upper bearing surface and having the free edges thereof turned inwardly to form a lower bearing surface, transversely spaced substantially T-shaped rails each having the lateral projections thereof secured to said support structure and having the upright portion projecting into a respective channel member, anti-friction means rotatably carried by the upright portion of each of said rails for slidably supporting a respective channel member thereon, each of said anti-friction means including a plurality of pairs of anti-friction members disposed in longitudinally spaced relation, the members of each of said pairs being disposed on respectively opposite sides of a rail and having a common axis of rotation, all of said channel members and said anti-friction members being so arranged that said anti-friction members engage only said upper bearing surfaces when said seat structure is in its normal position, and at least some of said anti-friction members being adapted to engage only said lower bearing surfaces when said seat structure is tilted from its said normal position.

2,151,420
CONCRETE WALL SECTION
Richard Carvel, New York, N. Y.
Application May 3, 1935, Serial No. 19,592
5 Claims. (Cl. 72—16)

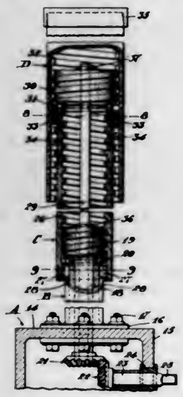
1. A concrete wall section comprising inner and outer walls separated by an air space, said inner and outer walls being spaced by a plurality of relatively small concrete blocks having em-

bedded therein metal tie rods extending into and embedded in said inner and outer walls, each of



said blocks being bonded to both said inner and outer walls.

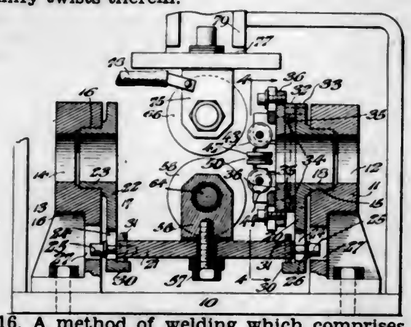
2,151,421
COMPOUND JACK
Cecil F. Davey, Los Angeles, Calif.
Application March 29, 1938, Serial No. 198,657
4 Claims. (Cl. 254—102)



4. In a compound jack, a standard, a plurality of internally threaded sleeves slidably encompassing said standard with adjacent sleeves telescoping each other progressively outward from said standard so that the lower ends of the outermost sleeve will overlie the adjacent inner sleeve, means for holding said sleeves against rotation relative to each other and to said standard, worm gears engaging the threads of each of said sleeves, and means for collectively rotating said worm gears to advance and retract said sleeves thereon.

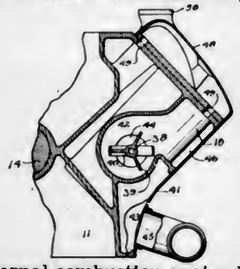
2,151,422
CLOSED SECTION WELDER
Carl de Ganahl, Bristol, Pa., assignor to Fleetwings, Inc., Bristol, Pa., a corporation of Delaware
Application May 25, 1937, Serial No. 144,593
16 Claims. (Cl. 219—4)

6. In welding devices, means for simultaneously welding two spaced rows of welds in an elongated strip, and means arranged to control the angular relation of the strip and first means so as to nullify twists therein.



16. A method of welding which comprises the step of twisting the work entering a welding device in order to nullify a developing twist in the work leaving the welding device.

2,151,423
INTERNAL COMBUSTION ENGINE
Henry Ford, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 13, 1937, Serial No. 142,370
7 Claims. (Cl. 123—175)

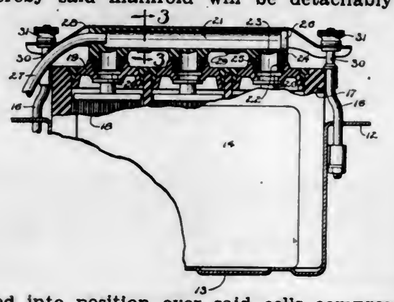


1. An internal combustion engine having a water jacket formed therearound, a bracket secured to said water jacket to thereby form a chamber outside of said jacket, said chamber being in direct communication with the crank case of said engine, aligned openings in said bracket and water jacket, and a water pump extending through said openings, and forming a seal with said bracket and water jacket respectively, the intermediate portion of said pump being exposed within said chamber, for the purpose described.

2,151,424
VEHICLE BATTERY CONSTRUCTION
Joseph Galamb, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 19, 1936, Serial No. 106,398
2 Claims. (Cl. 136—180)

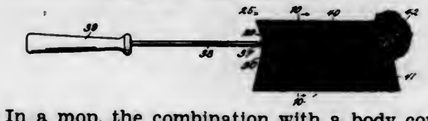
1. A device of the character described comprising, a storage battery having three cells therein, each of said cells having a filler opening in the upper cover thereof, a hard rubber tubular manifold extending across the top of said cells, said manifold having three sleeves extending laterally from points spaced therealong, said sleeves projecting into the respective filler openings of said battery, a flexible rubber gasket disposed around each of said sleeves between the adjacent cell and said manifold, whereby all of the gases from said cells will be conducted into said manifold, a bracket of channel cross-section extending

across said battery and tightly fitting about said manifold, means associated with said bracket for securing said manifold within said channel, means associated with said battery for drawing said channel downwardly towards said battery, whereby said manifold will be detachably se-



cured into position over said cells compressing said gaskets, a closure for one end of said manifold, and a flexible rubber hose extending from the other end of said manifold to a position spaced a material distance from said battery, for the purpose described.

2,151,425
MOP
Ella L. Gregory, Los Angeles, Calif.
Application August 2, 1935, Serial No. 34,420
1 Claim. (Cl. 15—118)



In a mop, the combination with a body composed of flexible fibrous members of substantially equal length lying substantially parallel with each other, of a flexible tube secured to one side of said mop body and extending longitudinally thereof at right angles to said flexible fibrous members, which flexible tube comprises a tape secured to the mop body by a longitudinally disposed row of stitching, and a second tape overlying the first mentioned tape and secured to the edges thereof and to the mop body by longitudinally disposed rows of stitching, which flexible tube is positioned on the mop body between the longitudinal center thereof and one of the side edges of said mop body so that the portion of the mop body on one side of the flexible tube is composed of short fibrous members and the portion of the mop body on the other side of said flexible tube is composed of longer fibrous members and a tuft of flexible fibrous members secured to the central portion of the mop body on the opposite side from said tube with the center of said tuft of fibrous members being in transverse alignment with the edge of the flexible tube that is disposed adjacent the short end portions of the flexible fibrous members forming the body of the mop.

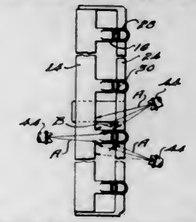
2,151,426
COMBINED MATCH BOX AND TRAY
Glen W. Hamilton, Kansas City, and Vinton H. Rowlett, St. Louis, Mo.
Application December 10, 1937, Serial No. 179,144
5 Claims. (Cl. 206—31)

1. A combined match box and tray comprising a box body having a bottom, longitudinal side walls and end walls, one of said end walls having an angled extension with the inner portion thereof in planar relation with the adjacent end wall and with the outer portion thereof upwardly inclined thereto and provided with side wings, formed to lay against the respective side walls of the box, a tubular cover slidably mounted on



said box body whereby the box may be closed; and a tongue formed at the outer extremity of each wing adapted to be positioned to contact the inner surface of the top wall of said cover when the parts are positioned to form a tray for the reception of matches from said box.

2,151,427
MASK
Addison R. Houk, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 30, 1937, Serial No. 171,830
4 Claims. (Cl. 91—65)

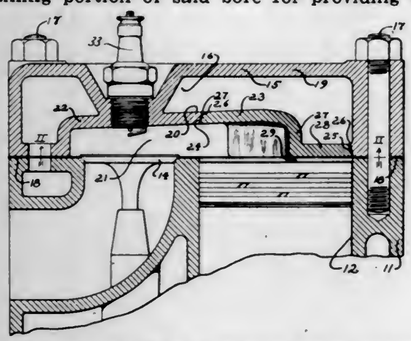


1. A mask for protecting portions of an article to be decorated comprising means for positioning one surface thereof in contact with a surface of the article to be decorated, and means for supplying a fluid pressure between said surfaces.

2,151,428
COMBUSTION CHAMBER
Robert N. Janeway, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 31, 1933, Serial No. 682,989
14 Claims. (Cl. 123—173)

5. In an engine including a cylinder block having a cylinder bore provided with a piston, intake and exhaust valves in said block adjacent said cylinder bore, a cylinder head on said block having a cooling medium chamber and having a combustion chamber extending over said valves and over only a portion of said bore, a composite wall providing a heat transmitting partition between said cooling medium and combustion chambers and comprising an iron structure having an opening provided with a copper plug having opposite side surface portions exposed at the interiors of said combustion and cooling medium chambers respectively, said plug constituting the top and side walls of the portion of said combustion chamber extending over said bore and

having an offset flange extending over the remaining portion of said bore for providing the



outer boundary of the clearance space normally provided adjacent said piston when in its outermost position.

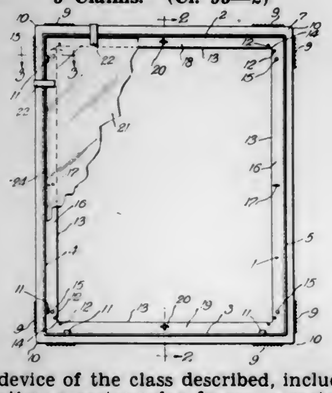
2,151,429

DEVICE FOR COLOR PHOTOGRAPHY

Karl Klopp, Arlington Heights, Ill., assignor to Marie Klopp, Chicago, Ill.

Refiled for abandoned application Serial No. 118,659, December 31, 1936. This application January 4, 1938, Serial No. 183,363

5 Claims. (Cl. 95—2)



1. A device of the class described, including in combination a rectangular frame, a rectangular rib extending entirely around said frame adjacent the front edge thereof, an inwardly extending relatively narrow front wall on said frame, jaws of saw-tooth formation formed on said rib extending laterally therefrom adjacent the corners thereof, and wedge blocks formed on the inner face of one side and bottom wall of said frame in close proximity to the ends thereof, said blocks having outwardly tapered front ends terminating adjacent said front wall, said front wall having register slots formed intermediate the ends thereof.

2,151,430

DOOR ACTUATING MECHANISM

Frank R. Lemon, Lemon Park, Indian Lake, Mich.

Application September 9, 1935, Serial No. 39,746

18 Claims. (Cl. 268—63)

17. In a device of the character set forth, the combination with a door actuating mechanism, and a frame supporting said mechanism, of a swinging hanger supporting one end of said frame, yieldable means supporting the other end of said frame, said means and hanger permitting longitudinal movement of the frame with said means resiliently resisting such longitudinal movement,



and means responsive to the longitudinal movement of the frame under overload conditions for controlling the door actuating mechanism.

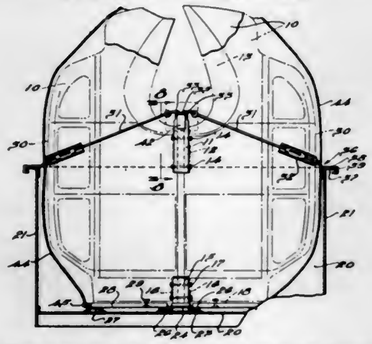
2,151,431

VEHICLE BODY TRANSPORTATION MOUNTING APPARATUS AND METHOD

Charles S. Lord, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 14, 1937, Serial No. 148,030

14 Claims. (Cl. 105—368)



1. The method of mounting vehicle bodies for transportation in a freight car which comprises detachably securing together a pair of vehicle bodies with their normal lower extremities in spaced facing relationship by connecting together portions thereof normally provided for attachment to a vehicle chassis, disposing said detachably secured together bodies on end in said freight car with their combined normal heights extending transversely thereof, holding the supporting ends of said bodies against horizontal displacement, and urging said bodies downwardly toward the floor of said freight car and stabilizing unsupported end portions thereof against movement by tying the same under tension in substantially opposite directions from locations on said freight car to points on said bodies above said locations.

2,151,432

METHOD OF OPERATING INTERNAL COMBUSTION ENGINES

Willard E. Lyons and Leo J. McKone, Chicago, Ill., assignors to Leo Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 3, 1937, Serial No. 151,836

25 Claims. (Cl. 44—9)

1. The method of operating an internal combustion engine to improve the efficiency thereof which comprises introducing into a combustion chamber of said engine a fuel charge containing a relatively small concentration of an organo-metallic compound and burning said charge therein, the concentration of said organo-metallic compound being so small as to have in itself no substantial improving effect upon the combustion

of the fuel with which said compound is immediately associated but being capable of forming a catalytic deposit within said combustion chamber effective by augmentation during continued operation of said engine with a like fuel charge to increase the efficiency of combustion within said engine, the metal of said organo-metallic compound being selected from the group consisting of selenium, antimony, arsenic, bismuth, cadmium, tellurium, thallium, tin, barium, boron, cesium, didymium, lanthanum, potassium, sodium, tantalum, titanium, tungsten and zinc.

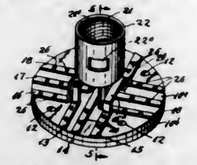
2,151,433

BUS SOCKET

Thomas MacTwiggan, New York, N. Y.

Application June 9, 1938, Serial No. 212,626

6 Claims. (Cl. 173—324)



1. A bus socket, comprising an insulation base for attachment in a junction box or other article, a group of substantially parallel bus bars mounted on said base, a second group of substantially parallel bus bars mounted on said base and crossing said first group, one bus bar of each of said groups being formed with outwardly offset portions of a certain depth at said crossing area and connected with each other, another bus bar of each of said groups being formed with outwardly offset portion of a different depth at said crossing area and connected with each other, a third bus bar of each of said groups being formed with outwardly offset portions at the said crossing area and connected with each other, a lamp socket superimposed on said crossing area and having its shell mounted on the highest of said pairs of bus bars, and its end contact mounted on an offset portion of said third pair of bus bars.

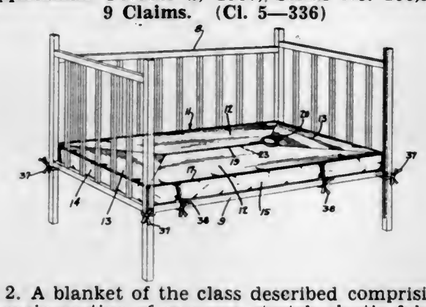
2,151,434

CRIB BLANKET

Lillian Malah, Chicago, Ill.

Application October 2, 1937, Serial No. 166,964

9 Claims. (Cl. 5—336)



2. A blanket of the class described comprising a main section of one-way stretch elastic fabric stretchable in a direction transversely of the blanket, a neck opening at the upper end thereof, and upper and lower end sections of elastic fabric secured at the upper and lower end of the central section, the fabric of each end section being stretchable in a direction longitudinally of the blanket.

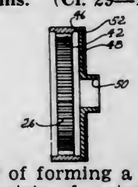
2,151,435

METHOD OF MAKING GEARS

Carl A. Neracher, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application November 20, 1935, Serial No. 50,631

2 Claims. (Cl. 29—159.2)



1. The method of forming a ring gear from a substantially flat strip of material having longitudinally extending stepped portions projecting upwardly from one face thereof and disposed in a plane substantially parallel with the opposite face of said strip which comprises, bending said strip into cylindrical shape with said stepped portions interiorly thereof, uniting the abutting ends of said strip, forming gear teeth in one of said stepped portions, and securing a mounting disc to another of said stepped portions in juxtaposed relation to the riser of the latter step portion, whereby said riser locates and spaces said disc axially from the adjacent extremity of said tooth forming stepped portion and the tread of said second mentioned stepped portion centers said disc relative to said gear.

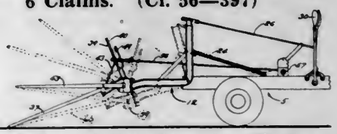
2,151,436

SWEEP RAKE

Kermit C. Nicholas and Dempsey T. Hodnett, Chickasha, Okla.

Application April 16, 1937, Serial No. 137,170

6 Claims. (Cl. 56—397)



5. In a device of the class described, a rake adapted to have its rear end pivotally mounted on a supporting structure, and comprising a central section having a plurality of parallel longitudinally extending teeth and an upright framework back rigidly positioned with relation to said teeth near their rear ends; two side sections of lesser width than said central section, one hinged to each side thereof, adapted to normally lie in the same plane therewith, or to be folded upwardly and inwardly at an angle thereto, and each having a lesser plurality of parallel longitudinally extending teeth and an upright framework back rigidly positioned with relation to said teeth near their rear ends, and lying outside the plane in which the back of said central section lies; and means for maintaining said side sections in their folded position with relation to said central section.

2,151,437

MACHINE FOR WASHING DRINKING VESSELS

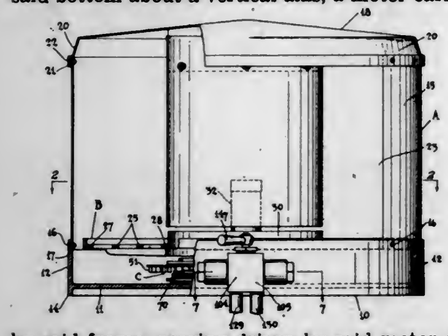
Walter F. Ohme and Ray C. Stephan, Minneapolis, Minn., assignors to North Star Specialty & Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application August 23, 1934, Serial No. 741,078

7 Claims. (Cl. 141—3)

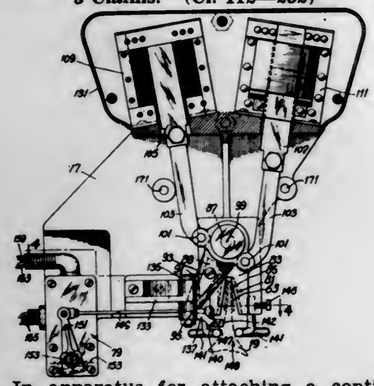
1. A driving means for machines for washing

drinking vessels including a cylindrical housing having a bottom and a flat circular rack disposed in spaced relation above the bottom and arranged to rotate about a vertical axis, said driving means including a friction gear depending from said rack, a frame pivoted to swing with respect to said bottom about a vertical axis, a motor carried



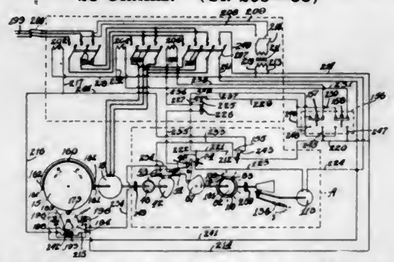
by said frame, gearing driven by said motor and carried by said frame, said gearing including a friction pinion cooperating with said friction gear, and movable toward and from said gear upon swinging of the frame, and resilient means for swinging the frame in a direction to urge the pinion into engagement with said gear.

2,151,438
CLIPPER
Robert E. Pierce, St. Louis, Mo., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application October 31, 1936, Serial No. 108,569
5 Claims. (Cl. 112—252)



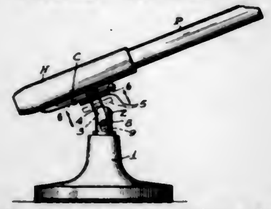
1. In apparatus for attaching a continuous length of tape to spaced articles, comprising a cutter, means for continuously moving the tape with the joined articles past the cutter, means for moving said cutter back and forth across the path of the tape to effect a cutting action on successive strokes, and means responsive to passage of an article past a given region adapted to cause the cutter to move once in one direction ahead of a given article and once in the reverse direction therebehind, said last-named means comprising a pair of electromagnets each adapted to actuate the cutter reversely against the other electromagnet, an electric circuit, a switch adapted to alternatively energize said electromagnetic means through the circuit, and a detector responsive to passage of an article adapted to move said switch to energize one electromagnet upon approach of an article and to energize the other upon recession of said article, each electromagnet being deenergized when the other is energized.

2,151,439
FURNACE AND CONTROL THEREFOR
Leon V. Pittman, Dearborn, and Claude M. Weinheimer, Detroit, Mich., assignors, by mesne assignments, to Kuhlman Electric Company, Bay City, Mich., a corporation of Michigan
Application August 26, 1936, Serial No. 97,932
28 Claims. (Cl. 263—33)



1. In a device of the character described including a chamber mounted for rocking movement, power means for driving said chamber, means having parts responsive to the movement of said chamber for reversing its direction of movement, and timing means for varying the time interval between said reversals at a predetermined rate.

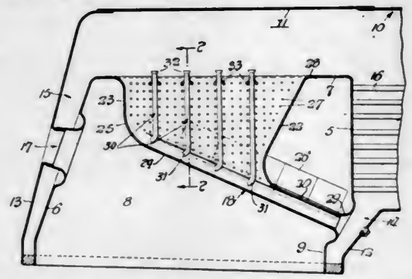
2,151,440
PENHOLDER
Abraham Pollak, Royersford, Pa.
Application June 24, 1937, Serial No. 150,019
7 Claims. (Cl. 120—108)



1. A holder for a pen comprising a first member having a recess, a second member having a pivot portion located in said recess so that the second member is turnable relative to the first member, a third member tiltably connected to the second member, said third member having an opening into which the clip of a holding member for a pen can be inserted, and movable clamping means mounted upon said third member to clamp said clip.

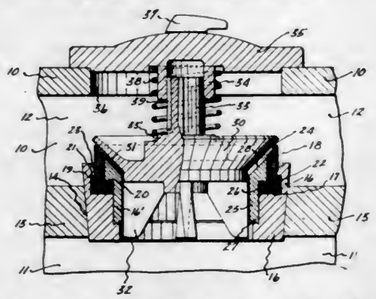
2,151,441
THERMIC SIPHON
Edward J. Reardon, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application June 2, 1938, Serial No. 211,422
14 Claims. (Cl. 122—68)

1. In combination with a locomotive firebox including a crown sheet, side sheets, flue sheets, throat sheet and back sheet, a water steaming and circulating element in the firebox and having an outlet end opening through the crown sheet and having an inlet end opening through one of the other sheets of the firebox and having a bottom portion, and means in said element and extending from a point adjacent said bottom



portion to a point adjacent said outlet for conducting boiler water from a point adjacent said outlet end to a point adjacent said bottom.

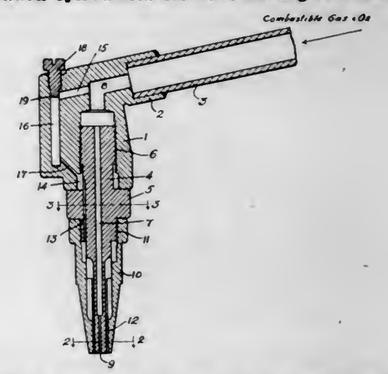
2,151,442
VALVE
Hardy Roberts, Austin, and Charles H. Robertson, Fort Worth, Tex.
Application February 1, 1937, Serial No. 123,408
16 Claims. (Cl. 251—144)



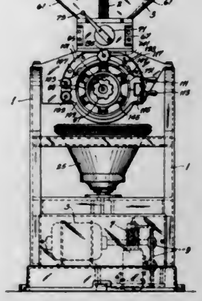
1. A valve including, an annular valve seat body, an elastic ring having a base confined within the body and having its upper end extending from the body, there being a flow space between the base of the ring and confining wall of said body to permit the ring to undergo deformation, a metallic gland within the ring and having its upper end normally disposed below the upper end of the ring, and a valve disk adapted to seat on the ring and gland.

2,151,443
GAS TORCH
Philip Ruch, Cleveland, Ohio, assignor to Ferrolene Gases, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 26, 1936, Serial No. 102,713
1 Claim. (Cl. 158—27.4)

In a gas torch, the combination of a single gas supply duct, a head rigidly mounted on said duct, a burner tip on said head having inner and outer flame orifices, a central passage in said head leading from said single duct to said inner flame orifice, a second passage co-axial to and relatively shorter than said central passage and communicating with said outer flame orifice, said passages and said head being angularly inclined with respect to said duct, a by-pass in said head leading from said central passage to said second passage, and an adjustable valve means mounted in said head at a point removed from said second passage for varying the rate of flow in said by-pass, said valve means comprising a threaded cylindrical element having one end extending into said by-pass and the other end extending exteriorly of said head.

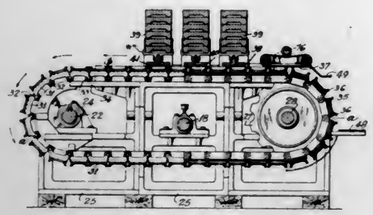


2,151,444
DOUGH DIVIDER
Charles L. Russell, Clayton, Mo., assignor to American Bakers Machinery Company, St. Louis, Mo., a corporation of Missouri
Application August 31, 1936, Serial No. 98,667
2 Claims. (Cl. 107—15)



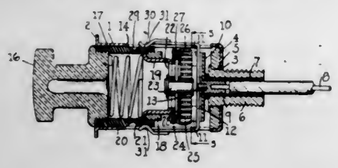
1. A dough divider having a chamber, means for delivering dough under pressure to said chamber, a disc rotatable in juxtaposition with respect to said chamber, said disc having a plurality of cylinders therein disposed in a circle around the center of rotation of said disc, the axes of said cylinders being parallel to the axis of rotation of said disc, pistons in said cylinders, means for positively moving said pistons in said cylinders as they pass said chamber so as to effect an entry of a predetermined mass of dough into the respective cylinders, said means comprising rollers connected for movement with said pistons, and rotatable about an axis radial to the axis of rotation of said disc, and camming tracks disposed around the axis of rotation of said disc in position to be engaged by said rollers, and means supporting the said camming tracks, comprising a pair of semi-circular clamps arranged to be brought together in cylindrical juxtaposition, said camming tracks being located on the inside surfaces of said clamps.

2,151,445
MACHINE TOOL
Adolph O. Schaefer, Brooklyn, N. Y., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 4, 1936, Serial No. 62,273
38 Claims. (Cl. 76—25)



1. A machine for filing saw blades and the like comprising a conveyor belt made of links with means between each pair of adjacent links for holding a saw blade in a predetermined position and a bank of files rigidly supported with reference to the movement of said belt and located in register with the teeth of the saw blade and in a plane to engage the blade by the movement of the conveyor.

2,151,446
ELECTRICAL CIGAR LIGHTER
Henry G. Shakespeare, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.
Application August 29, 1936, Serial No. 98,434
8 Claims. (Cl. 219—32)



3. In an automatic cut-off lighter, a stationary socket member, a movable plug member received in said socket and carrying a heating element, contacts on said socket and plug members for establishing an electric circuit through said heating element, said circuit being made when said plug member is in innermost position in said socket, means on one of said members for frictionally holding said plug member in said innermost position, the other member having provision for operatively receiving said means, said means being adapted to flex upon heating of the heating element to incandescence whereby to lessen the holding effect of said means, and means for repelling the plug from innermost position in the socket member, said other member having further provision for receiving the holding means to resiliently hold the plug member in repelled position.

2,151,447
TILED WALL AND TILE THEREFOR
Charles J. Stanley, Chicago, Ill., assignor of one-half to John T. Welch, Dowagiac, Mich.
Application January 20, 1938, Serial No. 185,889
22 Claims. (Cl. 72—19)

1. A wall structure comprising a foundation panel of waterproof fiberboard having a plurality of spaced parallel rows of holes, the rows of holes being uniformly spaced and the holes in the rows being in transverse alignment and spaced in the rows to correspond to the spacing of the rows, a plurality of tile each comprising a flat body plate of waterproof fiberboard and a facing of molded artificial resin, the facing being relatively thin and having rearwardly disposed continuous flanges on its edges closely embracing the edges of the body plate, and a plurality of headed drive screw fasteners arranged through the body

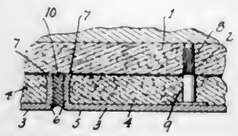
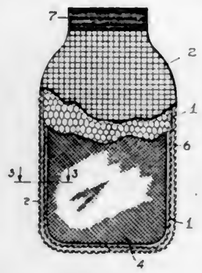


plate with their heads in abutting relation to the facing plate whereby they are rotatably supported, said fasteners being substantially spaced from the edges of the tile and uniformly spaced relative to each other, the spacing between the fasteners being twice that of the spacing of the holes in said foundation panel whereby the tile may be mounted upon the foundation by forcing the fasteners into holes of the foundation panel and the tile is supported with its edges substantially midway between adjacent holes and in corresponding relation to adjacent tiles.

2,151,448
CLOTH
Amata Steinberg, born Klingenberg, Berlin-Schmargendorf, Germany
Application December 22, 1936, Serial No. 117,131
In Germany February 29, 1936
4 Claims. (Cl. 2—158)

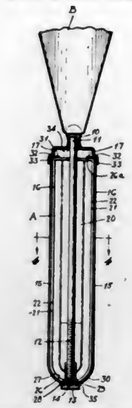


1. A new fabric for use in contact with the human skin, comprising three superimposed layers of textile material shiftably attached to one another, two adjacent of said layers having a net-like structure, the third layer having a closely woven structure.

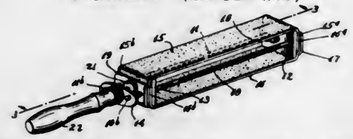
2,151,449
IMPLEMENT HANDLE
William Steinen, South Orange, N. J.
Application October 27, 1938, Serial No. 237,311
6 Claims. (Cl. 306—38)

6. An implement handle, comprising a central rod carrying the implement at one end, and being threaded at the other end, elongated side plate means enclosing said rod, an abutment member between the ends of the plate means and said implement, an edge member holding said plate

means together, and a nut engaging said threaded end and drawing up said abutment member on said side plate means.



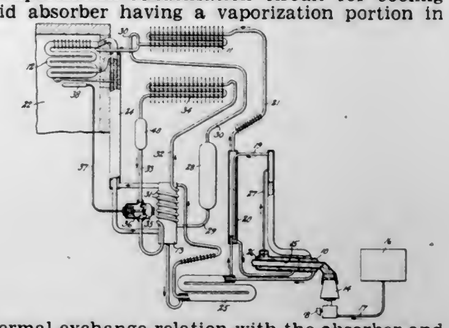
2,151,450
ADJUSTABLE RAZOR SHARPENER
George Suhayda, New York, N. Y.
Application April 8, 1938, Serial No. 200,838
2 Claims. (Cl. 51—203)



1. An adjustable razor sharpener, comprising a pair of parallel rods having reduced end portions, a pair of spacer plates one being mounted on the shoulders at one of the ends of said rods and the other being slidably mounted on the rods, a member mounted upon the other shoulders of said rods, a pair of parallel strop elements mounted across the edges of said plates, means on one of the spacer plates for gripping and holding one of the ends of said strop elements, means on the other of said spacer plates for gripping and holding the other ends of said strop elements and including a screw threadedly engaging through the spacer plate and a nut thereon, and a handle abutting said member when said handle is rotated to tightly stretch said strop elements between said spacer plates, and a strip element adjustably mounted on one of the edges of one of said spacer plates for permitting one of said strop elements to be tightened to a greater degree than the other of said strop elements, said means for adjustably mounting said strip element comprising lugs formed on said strip element, screws fixedly attached to said lugs, lugs formed on said spacer strip and having openings through which said screws freely pass, nuts threadedly engaged upon an intermediate portion of said screws and abutting against the top end of said lugs on said spacer plate for holding said screws in various adjusted positions to move said strip element away from said spacer plate, and means for holding said screws fixed in their adjusted positions.

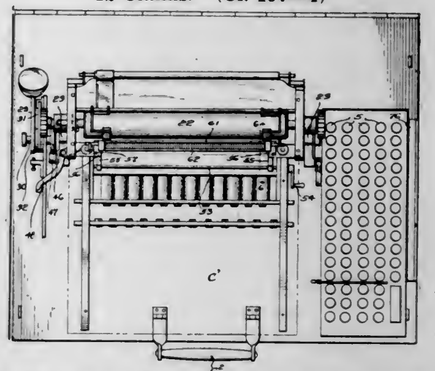
2,151,451
REFRIGERATION
Hugo M. Ullstrand, Evansville, Ind., assignor to Servel Inc., New York, N. Y., a corporation of Delaware
Application November 30, 1936, Serial No. 113,420
7 Claims. (Cl. 62—5)

1. Refrigeration apparatus comprising a refrigerant fluid circuit including a generator, a condenser, an evaporator, and an absorber, a heater for continuously heating said generator, a vaporization-condensation circuit for cooling said absorber having a vaporization portion in



thermal exchange relation with the absorber and a condensation portion, a valve in said circuit for controlling flow of liquid from said condensation portion to said vaporization portion, and a thermostat for operating said valve responsive to a temperature affected by said evaporator.

2,151,452
MEANS FOR FORMING AND DECODING SECRET MESSAGES
Joseph B. Walker, Hollywood, Calif.
Application July 8, 1935, Serial No. 30,385
12 Claims. (Cl. 197—4)

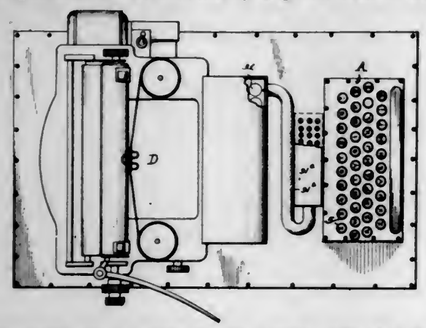


1. Apparatus of the character described comprising a plurality of groups of keys, printing bars controlled by said keys, at least two characters carried by each of said bars, means for impressing said characters upon a message carrier at a printing position, one of the group of characters of all of the keys normally lying in printing position, and means for shifting said bars under control of said keys to move the latter characters out of printing position and to bring the other characters of the bars into printing position.

2,151,453
MEANS FOR FORMING, TRANSMITTING, AND DECODING SECRET MESSAGES
Joseph B. Walker, Hollywood, Calif., assignor of one-third to Frank Capra, and one-third to Sheldon K. Johnson, both of Los Angeles County, Calif.
Application January 13, 1937, Serial No. 120,457
21 Claims. (Cl. 35—4)

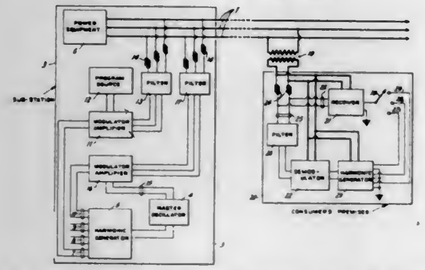
1. In a secret message forming and transmitting mechanism, a group of electric circuit making and breaking elements, means for moving said elements simultaneously toward circuit

closing position, and a traveling control unit interposed in the path of said elements, which by its form and position permits or prevents the completion of the circuit by a given one of said



elements, said control unit being divided into frames and the portions of the control unit necessary to the completion of the circuits for any complete character of the message being completely contained within one of said frames.

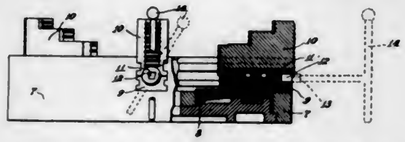
2,151,454
CARRIER TRANSMISSION
John C. Walter, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application June 9, 1936, Serial No. 84,242
4 Claims. (Cl. 179—15)



1. A transmission system comprising, a source of base frequency oscillations, a plurality of transmitters controlled by harmonics of said oscillations for producing modulated high frequency energy with carrier frequencies suppressed, said transmitters operating to transmit in discrete frequency ranges, a further transmitter for transmitting a carrier frequency having a different harmonic relationship with said base frequency, means for modulating said carrier frequency under control of said base frequency, receiving means for receiving said frequencies from said first mentioned transmitters as well as from said further transmitter, and means for generating replacement carrier frequencies from the energy received from said further tansmitter and combining the same with the suppressed carrier energy received from said first mentioned transmitters to reproduce selected signals.

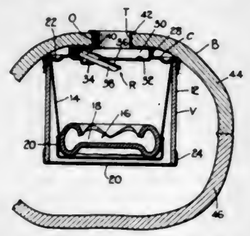
2,151,455
LATHE CHUCK
Lucius E. Whiton, New London, Conn.
Application July 20, 1936, Serial No. 91,448
2 Claims. (Cl. 279—111)

1. A chuck having jaws for holding the work, an actuating screw for each jaw, reference means on the jaws and on the face of the chuck for indicating the approximate position of each jaw, a wrench adapted for engagement with each screw by a projection and socket type connection of generally polygonal cross section, an extension on said wrench for applying force at a distance from the screw axis to rotate said wrench and screw, the improvement for quickly and visually obtaining a more accurate setting of a jaw than is obtainable with said reference means but without the previously necessary cost of applying a graduated dial, protractor or the



like to the end of a screw or to the edge of the chuck, which comprises said projection and socket connection between the wrench and screw being so shaped that the wrench can be engaged with a screw in only one angular position and that being such that the wrench extension is visually oriented with respect to some prominent feature of the chuck such as the jaw axis or chuck face when the said reference means align, whereby the angular displacement between said wrench extension and prominent feature may readily indicate the position of a jaw relative to said reference means with substantial accuracy.

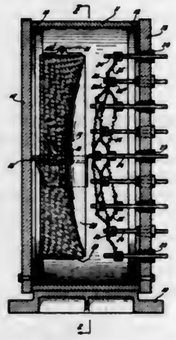
2,151,456
DOLL VOICE AND MOUNTING FOR SAME
John H. Wilhelm, Hamilton Beach, N. Y., assignor to Voices, Incorporated, New York, N. Y., a corporation of Delaware
Application February 5, 1935, Serial No. 5,024
23 Claims. (Cl. 46—183)



1. A toy voice comprising a casing, a flexible bellows therein, an imperforate weighty head secured to one end of said bellows, a first cap at the other end of the bellows and one end of the casing, a second cap at the other end of the casing, and a sound producing element mounted on one of said caps.

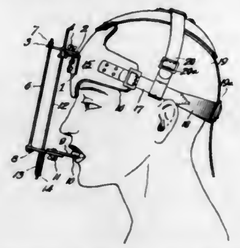
2,151,457
METHOD OF COATING SURFACES BY THERMAL EVAPORATION
Robley C. Williams, Ann Arbor, Mich.
Application July 14, 1936, Serial No. 90,517
16 Claims. (Cl. 91—70.1)

1. The method of coating the surface of an article which comprises placing the article in a chamber, producing a substantial vacuum in said chamber, and then by means of thermal evaporation successively depositing on said surface and



in the same vacuum a coating formed of a plurality of layers of different metallic materials.

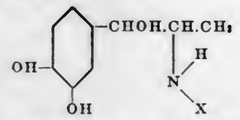
2,151,458
TRACTION FIXATION APPLIANCE FOR FACIAL BONES
Charles H. Allen, Independence, Mo.
Application February 16, 1938, Serial No. 190,769
4 Claims. (Cl. 128—87)



1. In a traction fixation appliance for facial bones, a base member adapted to be fixedly secured to the forehead of a patient, a support in dependent relation to said base and having its lower end spaced in front of the patient, and a traction lever for upper maxillary bones fulcrumed at its outer end to said support, the inner end of the lever being adapted to swing arcuately upward to apply traction to the upper maxillary of the patient.

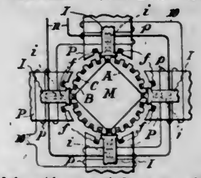
2,151,459
DERIVATIVES OF 3,4-DIHYDROXYPHENYL-AMINOPROPANOLS
Max Bockmühl, Gustav Ehrhart, and Leonhard Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 27, 1936, Serial No. 87,800. In Germany July 14, 1935
3 Claims. (Cl. 260—572)

3. As new products the compounds of the following general formula:



wherein X stands for a cycloaliphatic hydrocarbon radical.

2,151,460
ALTERNATING CURRENT MOTOR
William E. Bostwick, Philadelphia, Pa.
Application September 30, 1938, Serial No. 232,491
11 Claims. (Cl. 172—278)

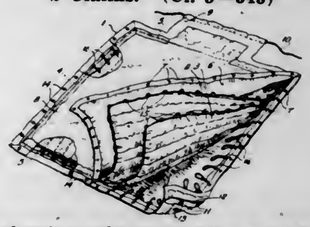


1. The combination with an alternating current motor, of series characteristics, consisting essentially of means affording a main torque field, inductor means affording a field magnetically isolated, substantially, from said main field, and an armature with its winding in both of said fields, of a transformer interposed in the current supply connection to said inductor means for displacing its field for starting the motor, and means for cutting out said transformer and connecting said inductor means directly to the current supply in series with the main field means after starting.

2,151,461
PURIFICATION OF METHANOL
Edgar C. Britton and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 28, 1937, Serial No. 156,176
5 Claims. (Cl. 202—57)

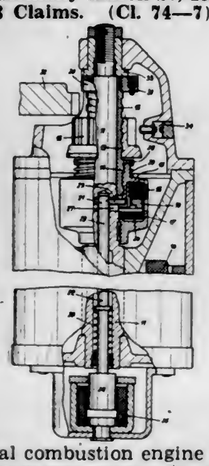
1. The process which comprises forming an aqueous acidic solution of crude methanol derived from pyroligneous acid, heating the solution at a temperature between about 50° C. and about 65° C. for a sufficient period of time to hydrolyze the acetal impurities therein present, separating aldehydic materials therefrom, and fractionally distilling the mixture to separate substantially pure methanol.

2,151,462
SLEEPING ROBE
Harry Cecil Bulpit and Spencer Sutherland Holden, Ottawa, Ontario, Canada, assignors to S. S. Holden Limited, Ottawa, Ontario, Canada
Application January 5, 1938, Serial No. 183,436
2 Claims. (Cl. 5—343)



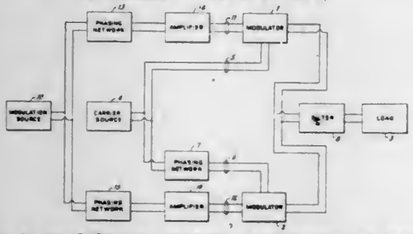
1. A sleeping robe comprising a casing and a plurality of separate down-filled sections within and normally extending throughout the casing, one of said sections being permanently secured to the casing along one longitudinal edge and opposite end edges to the midpoints thereof, the remaining edge portion being detachably fastened to the casing, and the other section being detachably fastened along its edges to the casing whereby it is freely removable therefrom, said casing having an opening for access to said sections.

2,151,463
STARTING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINES
Albert Callsen, Stuttgart-Botnang, and Adolf Weiss, Marbach-on-the-Neckar, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung
Application March 17, 1937, Serial No. 131,472
In Germany March 27, 1936
13 Claims. (Cl. 74—7)



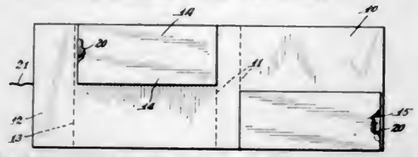
1. An internal combustion engine starter comprising a prime-mover, means to automatically couple the prime-mover to the engine on operation of the prime-mover, means to lock the coupling between prime-mover and engine during the whole time of operation of the prime-mover, and electromagnetically-controlled means to release the coupling between engine and prime-mover only on cessation of operation of the prime-mover.

2,151,464
RESTRICTED FREQUENCY TRANSMISSION
Richard C. Curtis, East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application July 23, 1937, Serial No. 155,213
3 Claims. (Cl. 179—171)



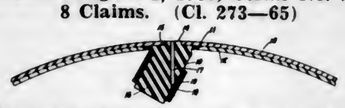
1. A modulation system comprising, a source of modulations of wide frequency range connected to two branch circuits, all-pass lattice-type dephasing networks in said branch circuits for altering only the respective phase angles of the modulations therein according to different functions of their frequencies, said functions being related to each other so that the phase difference between the modulations in the respective branch circuits is substantially 90 degrees over a large portion of said modulation frequency range; a high frequency carrier source connected to both said branch circuits, means for shifting the relative carrier phase in said connections substantially 90 degrees, means for modulating the carrier in each branch circuit by the respective modulations therein, and means for combining the carriers thus modulated whereby said portion of the modulation frequency range is balanced out of one side band only.

2,151,465
SHOE BAG
Charles M. Dalebrook, Chicago, Ill., assignor to Carry-Pack Corporation, Chicago, Ill., a corporation of Illinois
Application January 31, 1938, Serial No. 187,795
6 Claims. (Cl. 229—56)



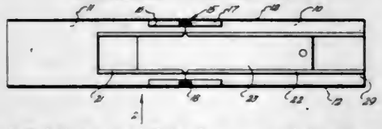
1. A receptacle for shoes, or the like, comprising an elongated paper cover sheet, and a pair of preformed paper pockets fixedly secured to said cover sheet, each of said pockets having flat opposed side walls united with at least one plicated end wall so as to lie substantially flat on said cover sheet in an unused condition, said pockets being spaced longitudinally of the cover sheet not exceeding the width of one only of said plicated end walls of said pockets in an extended condition, and said cover sheet being foldable at said spaced portion in order that said pockets may hold said shoes in a side-by-side relation.

2,151,466
VALVE
Harry F. Eken, Cincinnati, Ohio
Application August 1, 1938, Serial No. 222,313
8 Claims. (Cl. 273—65)



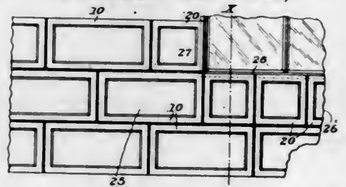
1. As a new article of manufacture a valve comprising a stem having an inner end and an outer end, and means for attachment of the stem to an article to be inflated, said stem including a passageway extending through said stem, said passageway being sufficiently straight to permit complete unobstructed through-penetration by a rigid inflating tool, one end of said passageway terminating at the outer end of said stem, the other end of said passageway terminating in the side wall of said stem, and means in the form of a resilient flap carried by said stem for closing said other end of the passageway, said flap meeting the passageway at an acute sharp angle and extending in substantially the same direction as the passageway, to establish a substantially aligned ready exit for an inflating tool moved through the passageway past said flap.

2,151,467
PAPERHANGER'S FOLDING STRAIGHTEDGE
Clarence W. Harsin, Los Angeles, Calif.
Application January 31, 1938, Serial No. 187,887
3 Claims. (Cl. 33—107)



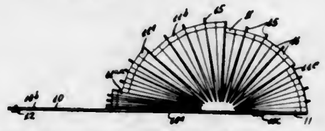
1. A folding straight edge comprising two elongated sections arranged end to end, means hingedly connecting the sections, guides recessed in the sections, a locking bar slidable in the guides adapted to assume a position wholly within one section or a position partially within each section, each guide providing sides, a bottom, flanges overlying the locking bar, and anchoring flanges recessed in the bodies of the sections.

2,151,468
BUILDING BLOCK
Albert Henderson, Edgewood, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application October 21, 1936, Serial No. 106,796
4 Claims. (Cl. 72—41)



1. A wall construction including stretcher blocks laid up in courses and a load bearing pilaster abutting spaced sections of said wall and extending laterally therefrom, said pilaster being formed of solid fractional units, having a height equal that of the blocks and a length substantially one-half that of said blocks and a width substantially one-quarter the length of said blocks.

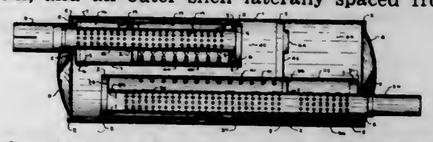
2,151,469
VISIBLE ACCORDION RECORD FILE
Ignatz Hochtheil, New York, N. Y.
Refiled for abandoned application Serial No. 72,046, April 1, 1936. This application August 13, 1938, Serial No. 224,685
1 Claim. (Cl. 129—15)



A visible accordion record file, comprising a cover having a central back portion connecting with end portions adapted to overlap and form a front portion, and an accordion file secured at one end to the inner face of said back portion, and the other end to the inner face of the bottom one of said end portions, and means for securely holding said record file closed, said accordion file comprising a plurality of multi-pocketed containers of different depths, the containers being secured together at the top and said containers being adjustably connected with each other, by reason of superimposed eyelets upon one of the walls of a pair of adjacent containers, bands engaged through said eyelets, reinforcement strips mounted upon the adjacent wall of other said adjacent containers and attached to said bands, said bands being formed with loops and hook elements attached upon one of the walls engageable with said loops to hold the bands in adjusted positions.

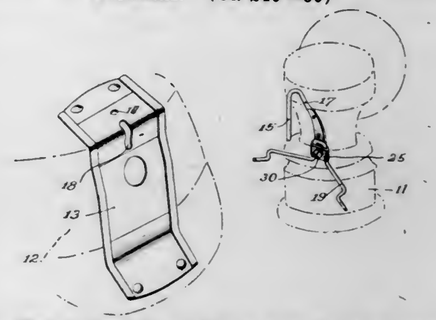
2,151,470
MUFFLER
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application October 12, 1936, Serial No. 105,224
17 Claims. (Cl. 181—54)

1. In a muffler construction adapted to be inserted in an exhaust conduit of an internal combustion engine, a relatively rigid interior muffling construction defined by spaced nested tubes constituting resonator chambers and having inlet and outlet connectors rigidly supported therefrom, and an outer shell laterally spaced from



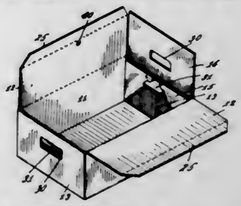
and enclosing said interior muffling construction and attached to and supported from said connectors, said interior construction with respect to said outer shell having at least the major portion thereof suspended from one end of said outer shell.

2,151,471
MINER'S LAMP BRACE
James H. Horsley, Chicago, Ill., assignor to Universal Lamp Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1937, Serial No. 123,827
4 Claims. (Cl. 240—60)



1. The combination with a miner's lamp having a hook, one arm of which is rigidly secured to the lamp body, said last-mentioned arm having a depending offset portion, of a detachable brace, formed of resilient material, comprising a pair of outwardly extending arms, an upstanding substantially inverted U-shaped portion formed intermediate said arms and integral therewith, a strip of resilient material spanning said inverted U-shaped portion, and means including a single screw for detachably securing said strip to said depending offset portion of said hook, said strip acting as a lock washer to prevent loosening of said screw.

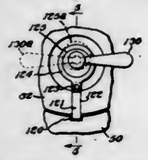
2,151,472
CARTON
Ward J. Hubbard, Terre Haute, Ind., assignor to The Wabash Fibre Box Company, Terre Haute, Ind., a corporation of Indiana
Application May 12, 1937, Serial No. 142,083
13 Claims. (Cl. 229—31)



6. In a box of folded construction, an end wall

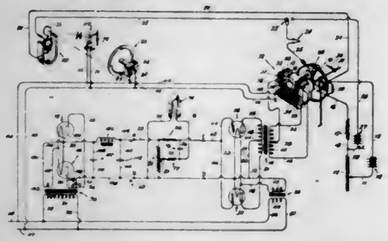
provided above its bottom edge with a hand-hole, and a reinforcing element extending from a point above said hand-hole to each lower corner of said end wall and being continuous with the material of said end wall and joining said end wall along a vertical edge thereof.

2,151,473
LAPPING MACHINE
George E. Hulbert and Herbert S. Indge, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Original application May 23, 1936, Serial No. 81,372. Divided and this application May 18, 1938, Serial No. 208,629
4 Claims. (Cl. 51—118)



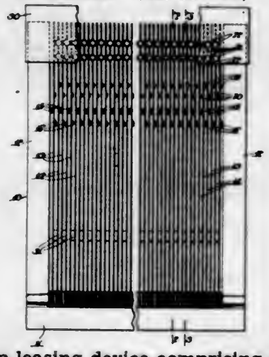
1. A lapping machine comprising a pair of opposed lapping wheels, means to relatively rotate said wheels, means to move said wheels relatively toward and from each other, a cage supporting member, means to move said cage supporting member through an irregular path relative to said lapping wheels, a work carrying cage rotatably supported on said member, and a manually operable slidable driving plunger releasably to lock said cage to said supporting member so as synchronously to move said cage with said member when the member is moved in an irregular path for a lapping operation.

2,151,474
LIGHT VALVE CONTROL
Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.
Application April 3, 1936, Serial No. 72,670
35 Claims. (Cl. 250—41.5)



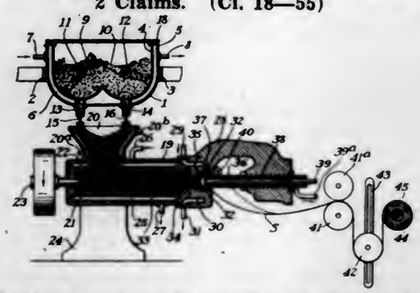
1. In combination, an electro-responsive device movable in reverse directions and having control circuits; means selectively controlled according to the phase position of a periodic current, and connected with the circuits of said electro-responsive device for causing the latter to move in either one direction or the other; light responsive means for operating said means for causing movement of the electro-responsive device; and means for controlling a beam of light to intermittently strike said light responsive means according to a constant period having one phase position or according to a similar period having another phase position, so as to cause movement of the electro-responsive means in one direction or the other.

2,151,475
APPARATUS FOR WARP LEASING
Frank H. Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 23, 1938, Serial No. 226,215
12 Claims. (Cl. 28—54)



1. A warp leasing device comprising a frame, a series of dents mounted therein spaced from each other to provide dent spaces therebetween in which the warp is disposed, each alternate dent having at one portion thereof a pair of warp engaging hooks extending respectively into the dent spaces on each side thereof, said hooks being longitudinally spaced from each other and being open in the same direction.

2,151,476
MOLDING METHOD
John S. Kimble and Spencer E. Palmer, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application March 23, 1936, Serial No. 70,200
2 Claims. (Cl. 18—55)

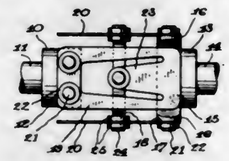


1. The process of forming plastic products which comprises incorporating dimethyl phthalate with finely divided cellulose acetate at a temperature of 0° C. to 15° C. and then directly extruding the plasticizer material at a temperature of not over about 200° C.

2,151,477
SHAFT COUPLING
Royal Lee, Milwaukee, Wis.
Application October 7, 1938, Serial No. 233,763
10 Claims. (Cl. 64—15)

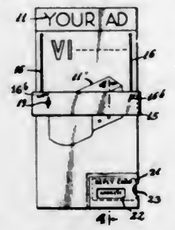
1. A coupling comprising a rotatable member, two pairs of resilient plates secured to said member, each plate extending approximately parallel to the axis of rotation of said member and each having its plane arranged substantially

in a tangential direction, each pair of said plates being arranged on opposite sides of said axis



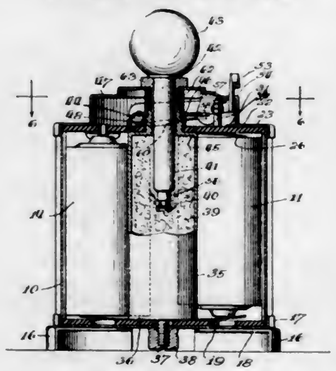
and approximately at right angles to the other pair, and rotatable driving and driven members secured to said respective pairs of plates.

2,151,478
ADVERTISING LAUNDRY CARDBOARD
Humberto Llach and Pedro R. Avalo, New York, N. Y., assignors to Neway Advertising Corp., New York, N. Y., a corporation of New York
Application December 24, 1937, Serial No. 181,523
7 Claims. (Cl. 40—61)



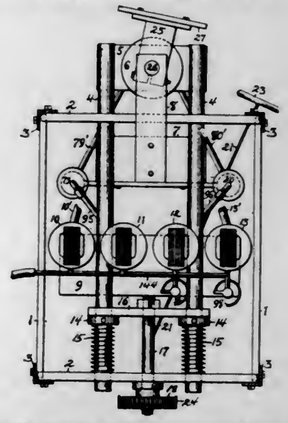
1. An advertising laundry cardboard comprising a board, an element of the interest on said board, a member movably mounted on said board and normally covering said element, means for releasably holding said member fixed on said board, and resilient means for continually urging said member to a position removed from said element.

2,151,479
ELECTRIC CIGAR LIGHTER
Renato Ludovici, Chicago, Ill., assignor to Shanklin Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1937, Serial No. 156,665
6 Claims. (Cl. 175—296)



1. A cigarette lighter comprising a casing, a source of electric current in said casing, an electrically conductive reservoir for lighter fluid disposed in said casing and insulated therefrom, a torch carrying a wick at one end and having a handle at the other end adapted for disposition within said reservoir, a cap having a hollow chamber arranged on said casing, an insulation sheet having a central opening through which a portion of said reservoir extends, disposed between said casing and cap, a pair of contact posts mounted on said insulation sheet, a resistance wire carried by said posts, means mounted on said reservoir and cooperating with said contact posts for closing a circuit from said source of electric current to said resistance wire, and means associated with said first mentioned means for normally holding first mentioned means in circuit opening position, said second mentioned means being arranged for actuation by the torch for movement to a circuit closing position, in which position the wick of said torch will be disposed directly adjacent said resistance wire so as to be ignited thereby.

2,151,480
AUTOMATIC KNIFE BLADE GRINDING MACHINE
Clarence Ludwig, Bluffton, Ind.
Application May 14, 1937, Serial No. 142,553
5 Claims. (Cl. 51—72)

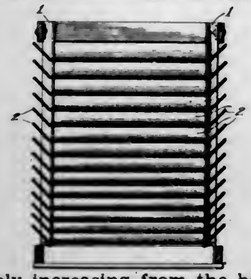


4. In knife blade grinding machine, a stationary frame, a platform member adjustably movable on said frame, a power-driven grindstone having supported connection with said frame, an oscillator supported on said platform, a swing-head supported on and actuated by said oscillator, said swing-head having mounted therein a traverse member relatively movable with respect thereto provided with a knife-securing means, a knife-clamping means supported by said swing-head adapted when actuated to grip said blade and hold it in grinding position, automatic means for progressing said traverse member through successive stages of movement relative to said swing-head, and means for actuating the oscillator, knife-clamping means and for controlling said automatic means.

2,151,481
COOLING TOWER
Leon T. Mart, Mission Township, Johnson County, Kans.
Refiled for abandoned application Serial No. 63,168, February 10, 1936. This application March 28, 1938, Serial No. 198,547
4 Claims. (Cl. 261—109)

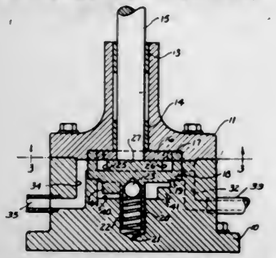
1. A cooling tower of the louvered type comprising a series of spaced uprights, and inclined

louvers carried by the uprights, the vertical spacing between the outer edges of adjacent louvers



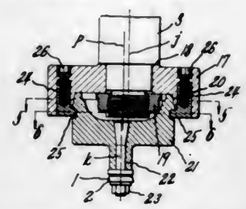
progressively increasing from the bottom to the top of the tower.

2,151,482
PUMP
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 26, 1937, Serial No. 150,590
2 Claims. (Cl. 103—126)



1. An automatically reversible, uni-directional pump comprising a housing having an extended suction port and an extended discharge port therein, said ports each extending through an arc of slightly less than 180° in the internal wall of said housing, a driving gear and a driven ring gear mounted within said housing, said driving gear having a flat face and peripheral teeth and said ring gear having a flat face in the same plane as the flat face of said driving gear and internal teeth in full engagement with said peripheral teeth at one point only, said driving gear having one less tooth than the number of teeth on said ring gear and said flat faces lying in a plane above the plane of said extended ports, and a rotatably mounted reversing member lying in the plane of said extended ports and having a flat face held in frictional engagement with the flat faces of said gears, said reversing member being provided with means to limit rotation thereof to substantially 180° and being provided with two open channels extending into the member from the flat face thereof and lying opposite and in communication with the pockets between the teeth of said gears, each of said channels being provided with a restricted opening extending to the edge of said member, one of said channels being in communication with said suction port and the other of said channels in communication with said discharge port at all times regardless of the position of said reversing member, said reversing member being frictionally rotatable by engagement with said gears from one extreme position to another extreme position in accordance with the direction of rotation of said gears whereby to maintain uni-directional flow through said pump regardless of the direction of rotation of said gears.

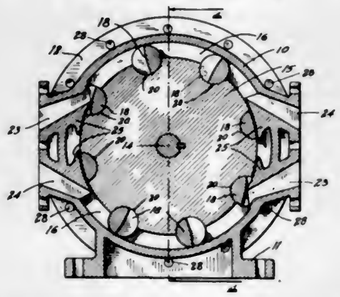
2,151,483
ROTOR GENERATING METHOD AND MACHINE
Arthur A. Nichols, Waltham, Mass.
Application June 5, 1935, Serial No. 25,081
16 Claims. (Cl. 90—1)



4. The method of generating a plurality of lobes in a machine element which consists in rotating a work piece about a single normally stationary axis exclusively, providing a planing cutter in the form of a disk having a circular cutting edge, effecting a relative reciprocation between such cutter and work piece in a path which is both parallel to the axis of the work piece and perpendicular to the plane of the cutting edge, and simultaneously revolving the cutter about an axis eccentric to the center of curvature of said cutting edge.

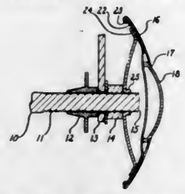
7. In a machine as and for the purpose set forth, a cutter carrying spindle, a cutter, and means for securing the cutter to the spindle eccentric to the spindle axis and with provision for varying its eccentricity, comprising a head secured to the spindle and having an eccentric bearing surface, and a holder having a complemental bearing surface and to which the cutter is secured eccentric to said complemental bearing surface.

2,151,484
ROTARY MOTOR AND PUMP
Fred M. Nordling, Denver, Colo.
Application May 9, 1938, Serial No. 206,857
3 Claims. (Cl. 121—92)



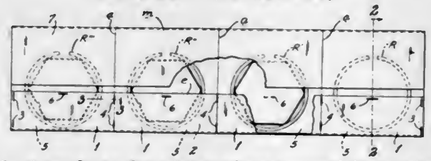
1. A rotor for rotary motors comprising: a cylindrical rotor member; a peripheral channel extending around the cylindrical face of said member with its bottom parallel to the axis of said rotor; semi-cylindrical grooves extending across said channel at spaced-apart intervals, said grooves terminating in circular bearing openings at each side of said channel; cylindrical vanes extending from side to side of said rotor through said bearing openings and lying in said grooves, the midportions of said vanes being cut away to correspond with the cross-sectional outline of said channel; and means for successively imparting partial rotation to said vanes to turn the flat sides thereof alternately first lateral of said channel thence flush with the bottom thereof.

2,151,485
REFLECTOR MOUNTING FOR BICYCLE AXLES
Reuben Pawsat, Maysville, Ky., assignor to Wald Mfg. Co., Inc., Maysville, Ky., a corporation of Kentucky
Application September 17, 1937, Serial No. 164,358
5 Claims. (Cl. 88—81)



1. The combination with a cycle fork having an axle bearing, and a threaded axle loosely received in said bearing, means for fixing the axle relative to the fork at varying degrees of outward extension of its ends, of a hub cap for an end of the axle, said hub cap comprising an external plate, a frangible lens supported by said plate, a transverse mounting plate fixed interiorly of the external plate and having a threaded bore into which the threaded axle is screwed, the external plate and its associated frangible lens being thereby advanced toward the axle end, and a protector plate fixed between the exterior plate and the mounting plate, providing an abutment in the path of relative extension of the axle toward the frangible lens, said protector plate providing an auxiliary stop against which the excessively extended axle end may be tightened.

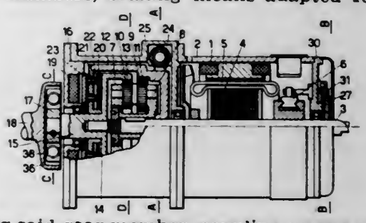
2,151,486
PACKAGE
Herbert M. Ramel and Omar M. Storey, St. Louis, Mo., assignors to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application December 30, 1937, Serial No. 182,527
2 Claims. (Cl. 206—46)



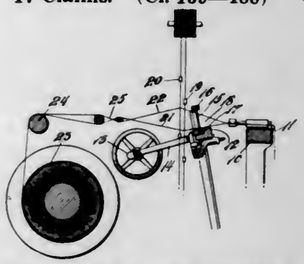
1. A package for piston rings comprising a sheet of material separated into a plurality of juxtaposed panels by a series of score lines, a flap formed integrally with said sheet and folded over the panels collectively, means for securing said flap at the margins of the panels to provide a pocket at one side of each panel, a piston ring in each pocket, and means passing through the sheet and the flap within the margin of the ring for securing the rings in the respective pockets.

2,151,487
COMBINED ENGINE STARTER AND GENERATOR
Ernst Schaeren, Soleure, Switzerland, assignor to Scintilla, Ltd., Soleure, Switzerland, a corporation of Switzerland
Application August 31, 1937, Serial No. 161,859
In Switzerland September 4, 1936
20 Claims. (Cl. 290—31)

1. Electric starting and generating apparatus for internal combustion engines comprising in combination a dynamo electric machine adapted to function either as a motor or as a generator, a drive member connected to said internal combustion engine, a drive member connected to said dynamo electric machine and substantially coaxial with said other drive member, a gear member rotatable about the common axis of said two drive members, braking means adapted for arresting said gear member, coupling means adapted for coupling said gear member to one of said drive members, a toothed rim formed on one of the said three members, a toothed rim formed on another of the said three members, and toothed transmitting gear means in permanent engagement with both said toothed rims, said transmitting gear means being supported on the remaining one of the said three members.

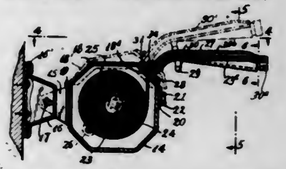


2,151,488
REED CUSHIONING DEVICE
Edwin C. Smith, Providence, R. I., assignor to Rhode Island Warp Stop Equipment Company, Pawtucket, R. I., a corporation of Maine
Application November 14, 1936, Serial No. 110,834
17 Claims. (Cl. 139—188)



1. In a loom, a lay, a reed movably mounted on said lay, a spring for resisting relative movement of said lay and reed, and a lever through which said spring acts, said lever having a shifting fulcrum with reference to the relatively movable parts.

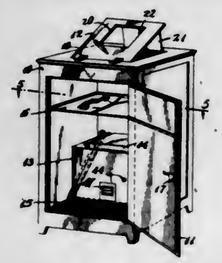
2,151,489
CLOTHES PROTECTOR FOR CLOTHESLINES
George Vafit, New York, N. Y.
Application April 14, 1938, Serial No. 201,914
7 Claims. (Cl. 211—119.18)



1. A clothes protector for clothes lines, comprising a housing adapted to be stationarily mounted beneath a clothes line, a supply of protective strip material mounted in said housing and having a web end portion extending therefrom, elements for guiding a section of said

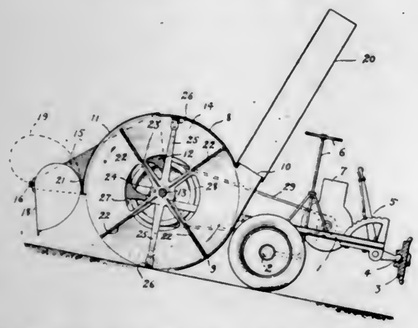
clothes line beneath said web end portion, and means for bending said web portion over said section of the clothes line at a stationary point continuously as said clothes line is moved and new sections assume and pass said point, said housing being formed with rearwardly extending lugs, a support bracket for attachment upon a support member beneath said clothes line, and means for securely attaching said lugs to said bracket.

2,151,490
PORTABLE TURKISH OR RUSSIAN STEAM BATH
Paul Varga, Stamford, Conn.
Application November 24, 1937, Serial No. 176,278
3 Claims. (Cl. 4—164)



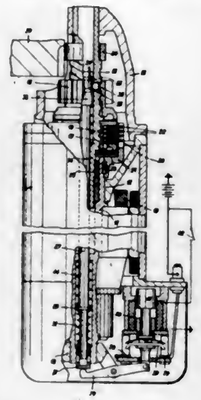
1. In a portable Turkish or Russian steam bath, a hollow body having a front door, a top hingedly mounted panel, an interior compartment of bench height and a floor area, a seat movably mounted on said interior compartment, a movably mounted foot board for covering the entire floor area of said body, mechanism within said compartment for supplying steam and heat to said hollow body and operated by controls on said interior compartment, and means for holding said seat down over said interior compartment when said foot board is down.

2,151,491
SNOW PLOW
Selden G. Washburn, Goodwin, S. Dak.
Application March 21, 1938, Serial No. 197,230
5 Claims. (Cl. 37—43)



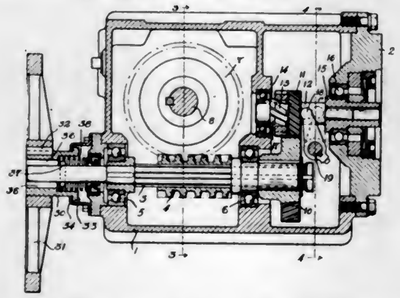
2. A snow plow unit adapted to be pushed by a source of power from the rear thereof, said unit having its own steering and vertically adjusting mechanism, and a centrifugal snow handling fan in the forward end thereof, further characterized by having an automatic oscillatory closure regulating the size of the snow entrance to said fan.

2,151,492
STARTING APPARATUS FOR INTERNAL COMBUSTION ENGINES
Adolf Weiss, Marbach, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung
Application June 9, 1937, Serial No. 147,338
In Germany June 11, 1936
19 Claims. (Cl. 290—38)



10. An internal combustion engine starter comprising an electric motor, a driving element driven thereby, means for automatically coupling said driving element to said engine upon the closing of the circuit of said electric motor and for locking said driving element in its engaged position, control means for said coupling and locking means, and means to release said locking means on the breaking of the motor circuit.

2,151,493
VALVE CONTROL UNIT
George H. Acker, Shaker Heights, Ohio, assignor to The Cleveland Worm & Gear Company, Cleveland, Ohio, a corporation of Ohio
Application March 10, 1937, Serial No. 130,141
5 Claims. (Cl. 192—150)



1. In a valve control unit, the combination of power driving means, a rotatable shaft adapted to move the valve to open and closed positions, a reduction gear train connected to said shaft, an axially slidable, helically splined coupling connecting said driving means to said gear train, the length of the spline on said coupling being shorter than the axial movement thereof whereby said spline is movable to disengaged position accordingly to disconnect said driving means.

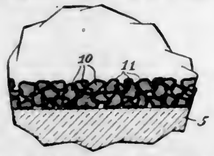
2,151,494
RESTORING THE STABILITY OF DETERIORATED SMOKELESS POWDER
Alpheus M. Ball, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 10, 1937, Serial No. 179,199
4 Claims. (Cl. 52—20)

1. The process of restoring the chemical stability of nitrocellulose smokeless powder grains of the Pyro type which have undergone deterioration during storage which comprises subdividing the powder grains under water to a fineness such that they will pass through an 8 mesh screen and be retained on a 200 mesh screen, removing excess water therefrom and then treating said grains under pressure with ethyl alcohol.

2,151,495
DISCLOSING SOLUTION
David V. Bender, Youngstown, Ohio
No Drawing. Application April 5, 1937, Serial No. 135,076
7 Claims. (Cl. 167—93)

7. An aqueous disclosing solution for application to the teeth, containing the following ingredients in about the proportions specified by weight: Rose Bengal, 6 parts; Guinea Green B, 4 parts; glycerine, 15 parts; acetic acid, 1 part; water, 600 parts, the coloring ingredients being readily soluble in water and easily removed by water from an applicator used in applying the disclosing solution to the teeth.

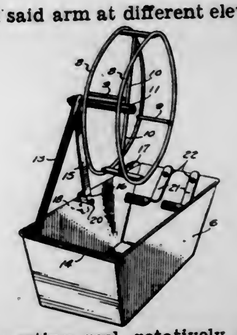
2,151,496
LUMINESCENT DISCHARGE LAMP AND COATING THEREFOR
Norman C. Beese, Verona, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 22, 1937, Serial No. 155,068
1 Claim. (Cl. 176—122)



The method of forming a luminescent coating for an electric discharge lamp to increase the efficiency and longevity of the lamp which consists in pulverizing a material excitable by ultraviolet radiations, mixing with the luminescent material a substance which is adsorbed thereby and forms a transparent matrix for each individual particle of luminescent material, suspending the admixture in a vehicle, applying the admixture to the interior surface of the envelope of the lamp, and firing off the vehicle to leave a uniform residue of protected particles of luminescent material.

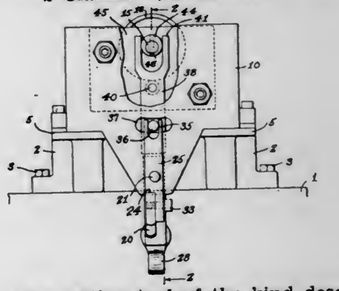
2,151,497
INNER-TUBE TESTER
Theodore H. Bolte, Kearney, Nebr.
Application September 8, 1938, Serial No. 228,927
10 Claims. (Cl. 73—51)

1. In a device of the kind described, a liquid-containing tank, an arm pivoted to one end of the tank and at its free end carrying a laterally projecting spindle, a leg pivotally connected to the free end of said arm and engageable with the tank to hold said arm at different elevations, and



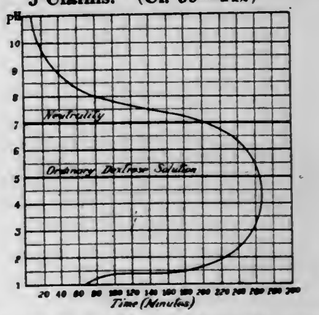
a tube supporting reel rotatively mounted on said spindle.

2,151,498
EDGE-SETTING MACHINE
B. Richard Boyson, Lynn, and B. Herbert Boyson, West Boylston, Mass.
Application July 23, 1936, Serial No. 92,120
2 Claims. (Cl. 12—78)



1. An edge-setting tool of the kind described, including a carrier for said tool mounted on a pivot, said carrier normally resting by gravity on said pivot, means to oscillate said carrier about said pivot with provision for said carrier to lift against its weight lengthwise of said pivot during the oscillations, whereby said tool can follow an undulating contour of the sole edge during the edge-setting operation.

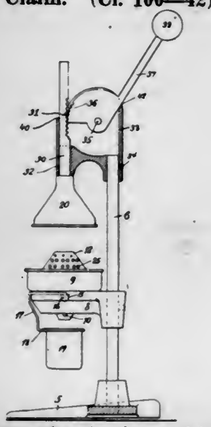
2,151,499
DEXTROSE SOLUTION
John Hall Buchanan, Ames, Iowa, assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application February 13, 1937, Serial No. 125,543
5 Claims. (Cl. 99—142)



1. Method of making a dextrose containing syrup for use in the manufacture of flavored,

potable liquids which comprises: dissolving the dextrose in water containing an alkaline substance which gives no precipitate when neutralized by acid flavoring substances, does not affect the flavor of the drink and raises the pH of the syrup to a point substantially above 7.

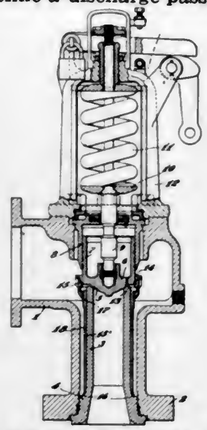
2,151,500
FRUIT JUICE EXTRACTOR
William Cecil, New York, N. Y.
Application September 1, 1938, Serial No. 227,947
1 Claim. (Cl. 100—42)



In a fruit juice extractor in combination, a base having an upright post, a gear housing secured to the top of said post, said housing having a closed bottom forming a socket to receive said post and a vertically disposed bearing, said housing having an open top formed between two opposed spaced cheeks arising from said socket and bearing, said housing including a lower front stop and an upper rear stop formed between said upstanding cheeks, a male squeezing member on said post below said housing in alinement with said bearing, a movable female squeezing member, a rack rod movably supported in said bearing and carrying said female squeezing member, a segmental gear journaled between said cheeks to move therebetween in engagement with said rack rod, said gear having an integral straight handle movable between said spaced cheeks to actuate said segmental gear to operate said rack rod to bring the female squeezing member from a normal upper inactive position down into operative relation with the male squeezing member to complete the fruit extracting stroke of the female squeezing member and back again, a straight portion of said straight handle contacting said lower front stop of said housing at the limit of the down stroke, another straight portion of said straight handle contacting said upper rear stop of said housing at the limit of the up stroke, whereby said handle may be moved through an arc of less than 180° and more than 90° so as to bring the female squeezing member into operative relation with the male squeezing member to accomplish the juice extracting operation by a single stroke limited by said front stop in the housing.

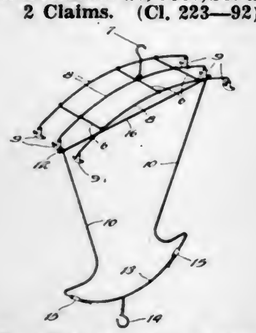
2,151,501
VALVE
James L. Corcoran, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application November 10, 1937, Serial No. 173,791
10 Claims. (Cl. 137—53)

1. A pop safety valve of the kind having a casing, a valve seat therein, a valve feather cooperating with the seat, the feather being so designed as to provide a huddling chamber below it, and a blow-down ring cooperating with the valve feather to define a discharge passage whose area



varies as the valve lifts from its seat, characterized in having adjusting means operative automatically to vary the position of the blow-down ring relatively to the valve seat in response to temperature change to which the valve may be subjected.

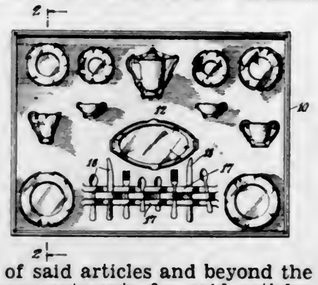
2,151,502
GARMENT HANGER
Myrtle L. Donnellan, Chicago, Ill.
Application December 27, 1937, Serial No. 181,800
2 Claims. (Cl. 223—92)



1. A collapsible garment hanger suspension means comprising a plurality of parallel supporting members, each member having a swivel hook affixed to each end thereof, said parallel members rotatably held in spaced relationship by a plurality of transverse members, and a supporting hook attached substantially midway between the swivel hooks of the central parallel member.

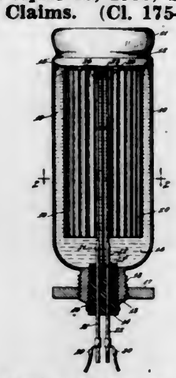
2,151,503
DISPLAY PACKAGE
Theodore S. Dowst, Chicago, Ill.
Application June 12, 1936, Serial No. 84,788
5 Claims. (Cl. 206—44)

5. A package for displaying and supporting articles, the bodies of which present areas of different width, said package including a partition formed with openings of an effective area less than the maximum width portions of the articles which they are to individually receive, said articles being disposed upon said partition with their maximum width portions in planes beyond the outer face of said partition and with their bodies extending through the openings therein, a flexible sheet of substantially transparent material applied to the inner face of said partition, said sheet extending through the partion openings and around the maximum width



portions of said articles and beyond the same to provide compartments for said articles and retain the same in association with said partition, a receptacle body and cover, and means for mounting said partition within said body and in a position such that said articles are spaced from the inner faces of the cover and the base of said body.

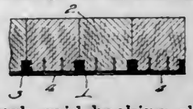
2,151,504
ELECTROLYTIC CONDENSER
Philip Dubilier, New York, N. Y., assignor to Nova Electric Corporation, New York, N. Y., a corporation of New York
Application April 18, 1936, Serial No. 75,039
4 Claims. (Cl. 175—315)



1. A multi-section electrolytic condenser comprising a metallic container having an opening centrally thereof substantially narrower in diameter than the diameter of the container and adapted for single-opening panel mounting, an electrolyte in the container, a stopper for said opening, a plurality of condenser electrodes, individual closely spaced lead-in rods for said electrodes anchored in said stopper and projecting into said container, said electrodes having cross-sections in the form of a sector of a circle, and being secured to said rods along sector axis portions thereof to form individual centrally supported electrolytic sections coacting with the common potential metallic container.

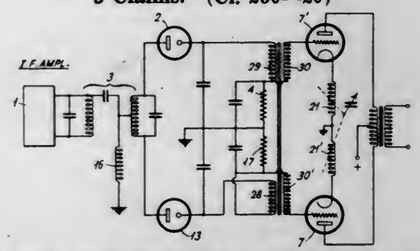
2,151,505
END GRAIN WOOD FLOORING
Armin Elmendorf, Winnetka, Ill.
Application November 19, 1936, Serial No. 111,606
3 Claims. (Cl. 20—75)

1. A preformed floor covering comprising a flexible backing sheet and an overlying layer of wood blocks or tiles resting loosely on the same, said blocks being in contact with each other and having in their lower faces deep grooves following the joints between the same, a plastic binding material filling said grooves, and fastening means



extending through said backing sheet into each block, the fastening means for each block being localized in an area which is only a small fraction of the area of the block, whereby each block is anchored while left free to expand and contract independently of the backing sheet under changes in moisture content.

2,151,506
AUTOMATIC FREQUENCY CONTROL CIRCUIT
Wolfgang F. Ewald, Berlin, and Karl Wilhelm, Berlin-Tempelhof, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 15, 1937, Serial No. 179,883
In Germany November 14, 1936
3 Claims. (Cl. 250—20)



1. In a superheterodyne receiver of the type comprising an intermediate frequency network and an audio amplifier network; a detection network comprising a pair of rectifiers having a common frequency intermediate input circuit coupled to said intermediate network, a load resistor connected to one rectifier developing a direct current voltage thereacross, a second load resistor connected to the second rectifier and developing a direct current voltage, said two resistors being arranged in polarity opposing relation, means for impressing the differential of said voltages on said audio network, means responsive to the current flow of the latter for maintaining the intermediate energy at an assigned frequency value, and audio coupling means between each rectifier and said audio network for impressing on the latter the audio voltage output of each rectifier whereby said audio network simultaneously amplifies the audio voltages and said differential voltage.

2,151,507
PLASTIC COMPOSITIONS FROM POLYMERIZED VINYL COMPOUNDS
Hans Fikentscher and Gustav Hagen, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 28, 1937, Serial No. 156,146. In Germany August 5, 1936
5 Claims. (Cl. 260—36)

1. Plastic compositions comprising a polymerized vinyl composition containing polyvinyl chloride and a softening agent selected from the

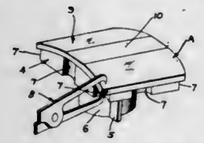
group consisting of aromatic carboxylic acid esters of monoaryl ethers of polyhydric aliphatic alcohols.

2,151,508
BOTTLE CAPSULE
William E. Glensky, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 3, 1936, Serial No. 66,829
2 Claims. (Cl. 215—38)



1. In a composite cup-like capsule having a top and skirt composed of a transparent film and overlying metallic foil adhesively secured thereto, an exposed section of said film forming a window extending entirely across said top and skirt, said composite capsule skirt, including said film, being formed into vertical plaits along definite lines of fold, whereby said capsule can be securely affixed to a container by compression of said plaits thereagainst.

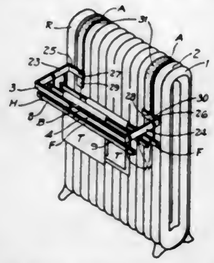
2,151,509
METHOD OF MAKING LENSES
Lloyd W. Goddu, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 13, 1935, Serial No. 21,213
6 Claims. (Cl. 51—278)



5. The process of forming a lens having opposed surfaces that depart from true spherical curvature comprising forming the desired surface on the first side of a piece of lens medium, forming a surface throughout the central area of the second side of the piece of lens medium to obtain optical definition through said central area, locating and indicating the position of the physical axis of said surface and abrading the second side of the lens to such a depth and related position with respect to the surface on the first side of the piece of lens medium as to cause the surface on said second side to close in substantially parallel to and in alignment with the indicated axis of the first surface.

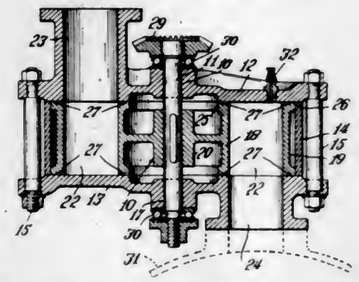
2,151,510
RADIATOR DRIER
David Gorfein, Lowell, Mass.
Application February 4, 1938, Serial No. 188,659
3 Claims. (Cl. 211—86)

1. A foldable clothes drying rack, adapted for support on a heat radiator having a series of vertical coils and connections between the coils, consisting of a front bar of greater height than thickness made of two telescoping members, each made of flat sheet metal folded in at the back edge and each carried at its free end by an integral side bar formed by bending back its outer end, each side bar being then bent inward parallel with the front bar to form a back rest; a plurality of hooks depending downwardly from each side bar; two supporting arms each made of flat sheet metal and each pivoted at one end



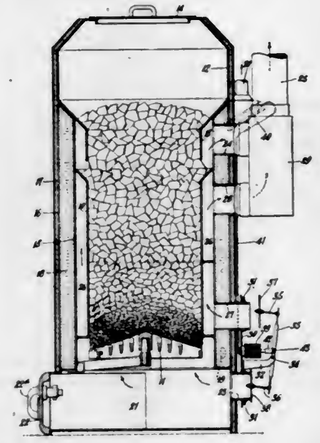
to the back of and near the top of a back rest and thence extending at one end down below the back rest and at the other end up, over and down of such shape as to rest on the top of the radiator.

2,151,511
VALVE
Carl Hagen, Park Ridge, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Original application February 6, 1936, Serial No. 62,625. Divided and this application January 26, 1938, Serial No. 186,946
5 Claims. (Cl. 221—108)



5. A valve structure comprising a sectional casing including an upper head member formed with an inlet passage for communicating with a supply of material, a lower head member formed with a discharge passage, a cylindrical spacing ring interposed between the upper and lower head members, and a plurality of bolts extending from head to head of the casing for holding the heads and said ring in clamped engagement; and a revoluble valve member enclosed in said casing and comprising inner and outer ring members, a plurality of partition walls positioned between the said inner and outer rings and dividing the space therebetween into a plurality of pockets extending through the valve member; the said inner and outer ring members of the valve being of substantially the same width as the said spacing ring and the upper and lower edge portions of said rings being formed with lubricant grooves whereby the edges of said inner and outer ring portions may be clamped into relatively close movable contact with the top and bottom heads of the casing without excessive friction, there being a relatively wide channel extending around the outer wall of the outer ring of said valve to reduce the frictional engagement thereof with the spacing ring of the casing.

2,151,512
APPARATUS FOR CONTROLLING DRAFTS
Hilmar R. Hagen, Pottsville, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 4, 1938, Serial No. 193,838
21 Claims. (Cl. 126—293)



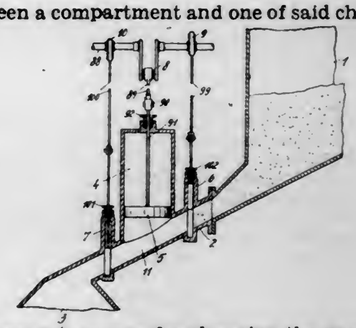
2. In heating apparatus having a stream of air for supporting combustion of solid fuel and a second stream of air to be heated out of contact with said fuel for maintaining natural stack draft available when the fire is checked, damper means for controlling the flow of said streams, said means being constructed and arranged to simultaneously check one of said streams and release the other.

2,151,513
SULPHUR DYES
Walter Hagge, Wolfen, Kreis Bitterfeld, and Karl Haagen, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,353. In Germany June 16, 1936.
16 Claims. (Cl. 260—138)

1. The process which comprises heating a nitrodecacyclene with a sulphurizing agent to the reaction temperature.

2,151,514
METHOD OF AND APPARATUS FOR CONVEYING MATERIAL CONTAINING AT LEAST ONE EXPANSIBLE CONSTITUENT
Will Heinen, Berlin, Germany, assignor to Kali-Forschungs-Anstalt G. m. b. H., Berlin, Germany
Application March 9, 1935, Serial No. 10,178
In Germany March 17, 1934
8 Claims. (Cl. 214—35)

1. An apparatus for conveying solid or liquid material, to which a gas or vapor is admixed, comprising in combination, two compartments, two chambers between and separated from said compartments, said compartments being arranged on different levels, the bottoms of said chambers sloping in the direction from the upper to the lower compartment, means for continuously and alternately establishing and severing communication between said two chambers and between a compartment and one of said chambers,



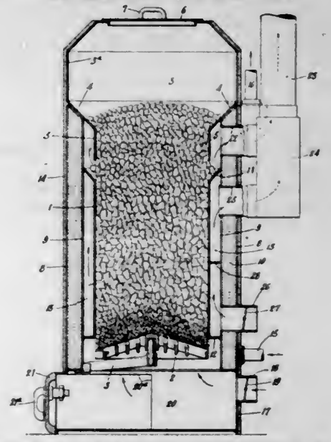
and separate means for changing the pressure in each chamber.

2,151,515
CLUTCH PLATE
George T. Jarrett, East Cleveland, Ohio, assignor to Ira Saks
Application January 26, 1938, Serial No. 187,032
8 Claims. (Cl. 192—68)



1. In a clutch plate, the combination of a hub portion and a disc portion movable with respect to each other, and yieldable metallic elements adapted to absorb movement between said hub portion and said disc portion comprising a circularly arranged series of ring-shaped members mounted therebetween and adapted to be deformed out of their original ring-shape upon such movement, said disc portion including openings completely surrounding the outer periphery of said ring-shaped members.

2,151,516
RADIATION HEATER
Raymond C. Johnson, West Brunswick Township, Schuylkill County, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 20, 1936, Serial No. 64,835
11 Claims. (Cl. 122—30)



8. Heating apparatus comprising a fire-pot having a side wall for confining a stationary mass of lump fuel, means for confining a fluid to be heated and surrounding said fire-pot in laterally spaced relation thereto, said means being con-

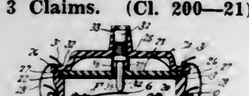
structed and arranged so that the principal portion of the heat from said fuel is transferred from said wall to said means by radiation.

2,151,517
PREPARATION OF ARYLNITROALKANOLS
Jonas Kamlet, Brooklyn, N. Y.
No Drawing. Application July 21, 1938, Serial No. 220,509
7 Claims. (Cl. 260—618)

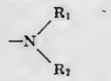
1. A process for preparing arylnitroalkanols which comprises reacting an alkali-metal bisulphite addition-product of an aromatic aldehyde with an alkali-metal salt of a nitroparaffin.

2,151,518
AZO DYESTUFF
Hans Krzikalla and Hanns Ufer, Ludwigshafen-on-the-Rhine, Bernd Eistert, Mannheim, and Gustav Klaproth, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application December 18, 1935, Serial No. 55,040. Divided and this application July 16, 1936, Serial No. 90,945. In Germany December 22, 1934
3 Claims. (Cl. 260—163)

3. Azo dyestuffs corresponding to the general formula

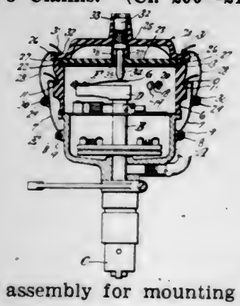


wherein B stands for a radicle of the pyrazolone series, Ar stands for a mononuclear radicle of the benzene series, X stands for a non-basic bridge containing carbon atoms which bridge is selected from the group consisting of alkylene, —O—alkylene, —S—alkylene, —CO—alkylene, —SO_2—alkylene, —O—CO—alkylene, —NH—CO—alkylene, —SO_2NH—alkylene and —CO.NH—alkylene, said bridge being directly attached to a benzene nucleus of the radicle Ar and



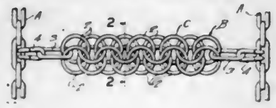
stands for a basic group wherein R_1 and R_2 are members of the group consisting of hydrogen, alkyl, hydroxyalkyl, aralkyl and cycloalkyl and wherein at least one of the radicles marked B and Ar contains at least one sulfonic acid group.

2,151,519
DISTRIBUTOR FOR INTERNAL COMBUSTION ENGINES
Joseph G. Kubelus, Jessup, Pa.
Application June 5, 1937, Serial No. 146,530
3 Claims. (Cl. 200—21)



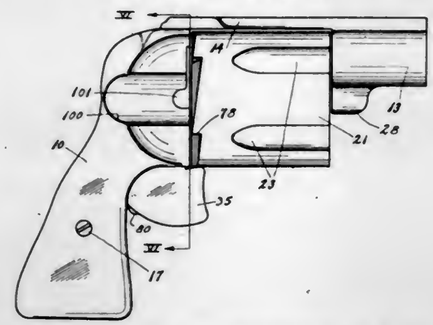
1. A cap assembly for mounting atop a conventional form of distributor body, the same including an open cylindrical housing for seating upon the distributor body, a cover disk removably fitted to the predetermined upper edge of the housing, an arched bridge piece removably seated over the cover disk with its ends bearing upon the disk, releasable means for securing the housing to the distributor body, and releasable means for securing the bridge piece in place upon the cover disk.

2,151,520
ANTISKID CHAIN
Ellis Littmann, Clayton, Mo., assignor to Nixdorff-Krein Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application March 19, 1938, Serial No. 196,951
9 Claims. (Cl. 152—239)



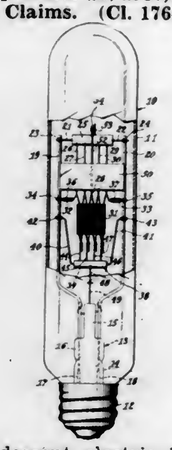
1. As an article of manufacture, a traction chain having a plurality of parallel side chains, and a plurality of cross-chains operatively connected to the side chains, said cross-chains each including a plurality of interlinked sets of peripherally registering ring-like members.

2,151,521
GAS GUN
Charles J. Manville, Pontiac, Mich.
Application October 5, 1935, Serial No. 43,685
5 Claims. (Cl. 42—1)



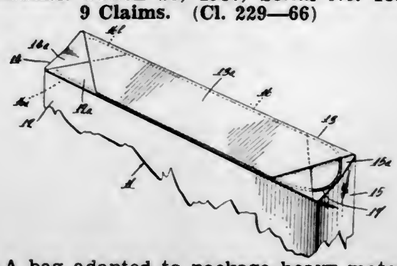
1. In a gas gun, the combination of a stock; a barrel spaced from the stock and having an extension fixedly connected thereto; a revoluble cartridge carrier positioned between the barrel and the stock; a shaft connecting said stock and barrel members; said cartridge carrier being journalled upon said shaft; a trigger pivoted to said stock; a firing hammer pivoted to said stock; a latch member pivotally carried by said trigger and arranged to engage and actuate said firing hammer toward cocked position; adjustable means carried by said trigger and located between said trigger and said latch member for releasing said hammer upon a predetermined movement of said trigger; means for rotating said cartridge carrier by movement of said trigger; and means forming an integral part of said latch member for indexing said cartridge carrier upon each successive movement of said trigger.

2,151,522
INCANDESCENT LAMP WITH MEANS TO REDUCE BULB BLACKENING
Louis A. Nutto, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 22, 1937, Serial No. 165,052
14 Claims. (Cl. 176—16)



1. An incandescent electric lamp comprising an envelope, a base, interior supporting leads extending from said base in said envelope, a filament secured thereto, and imperforate metal plate means supported in the part of the envelope remote from the base and beyond said filament, for decreasing the amount of metal evaporated from the filament during operation.

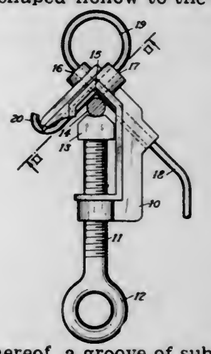
2,151,523
BAG
Howard H. Orr, Cleveland, Ohio
Application March 23, 1937, Serial No. 132,525
9 Claims. (Cl. 229—66)



8. A bag adapted to package heavy materials such as cement and the like, comprising side walls folded over to form a top wall, and bag opening means including a flexible substantially U-shaped member, having its legs secured to the top wall adjacent one side thereof and extending towards the opposite wall where its looped portion is available exteriorly of the bag adjacent said opposite side wall, whereby pulling force exerted by the user on the looped portion will sever the top wall from the bag.

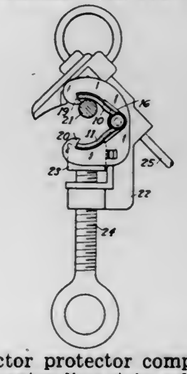
2,151,524
TAP CLAMP
Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.
Application June 10, 1938, Serial No. 212,943
3 Claims. (Cl. 173—273)

1. In a clamp for connecting a tap wire to an electrical conductor, a body portion having an inverted V-shaped hollow at the upper end thereof, a clamping shoe movable along said body portion, adjustable means for moving said shoe toward said hollow to clamp the conductor between said body portion and said shoe, and holding means formed in said body portion for maintaining said tap wire in physical engagement with said conductor, said holding means comprising a lower opening of circular cross-section extending upwardly through said body portion in a direction substantially parallel to one leg of said inverted V-shaped hollow to the lower extremity



of one leg thereof, a groove of substantially semi-circular cross-section extending longitudinally along the inner surface of said one leg and merging with said lower opening, and an upper opening of substantially circular cross-section extending from the juncture of the legs of said V-shaped hollow in axial alignment with said lower opening, said tap wire extending upwardly into said body portion through said lower opening and emerging from said body portion through said upper opening, that portion of said tap wire between the lower and upper openings extending along said semi-circular groove.

2,151,525
CONDUCTOR PROTECTOR
Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.
Application July 27, 1938, Serial No. 221,537
6 Claims. (Cl. 173—273)



1. A conductor protector comprising a pair of longitudinally extending strips of conducting material having opposed concave surfaces arranged to receive a longitudinally extending portion of a conductor therebetween, hinge means joining one longitudinally extending edge portion of one strip to the adjacent longitudinally extending edge portion of the other strip, resilient means urging said strips toward each other, means at the other adjacent edge portions of said strips

for holding the strips in spaced-apart relation so that a conductor may be positioned between said strips, and for releasing the strips in response to a compressive force in excess of that exerted by said resilient means and in a direction to urge said other adjacent edge portions toward one another.

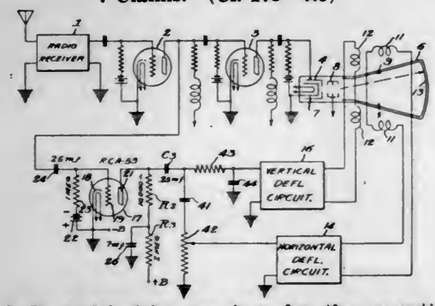
2,151,526

TELEVISION APPARATUS

Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1935, Serial No. 47,552

7 Claims. (Cl. 178—7.5)



1. In a television receiver for the reception of a composite signal comprising picture signals and synchronizing impulses, said impulses having a greater amplitude than picture signals of like polarity, an electric discharge tube having a control grid and a plurality of other electrodes, said tube having the characteristic that its cut-off point is changed in response to a change in voltage on one of said other electrodes, a resistor, means for applying a positive voltage to said one electrode through said resistor which has such high resistance that a slight increase in current therethrough causes a substantial change in said cut-off point, means for so biasing said grid that the tube is close to cut-off when there is no signal on said grid, and means for impressing said composite signal upon said grid with the said impulses having a positive polarity.

2,151,527

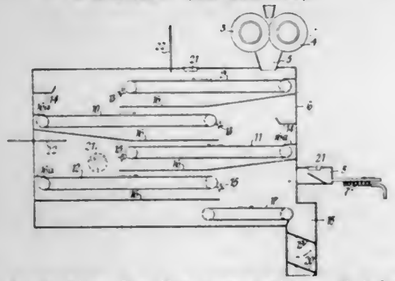
PREPARATION OF CUT TOBACCO

Arthur Podmore, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey

Application May 18, 1935, Serial No. 22,223

In Great Britain May 26, 1934

9 Claims. (Cl. 131—60)



1. Apparatus for the preparation of tobacco for the manufacture of cigarettes comprising in combination an intermeshing disc cutting machine for shredding unstemmed tobacco, means for winnowing the cut tobacco to remove the pieces of mid-rib, means for delivering the winnowed tobacco through a drying chamber having a series of conveyors by which the tobacco is caused to travel through the chamber, and means for passing dry air through the chamber in contact with the tobacco, said winnowing means acting in part at least for turning over positively, and blending progressively, said shredded tobacco as it advances from conveyor to conveyor through the chamber.

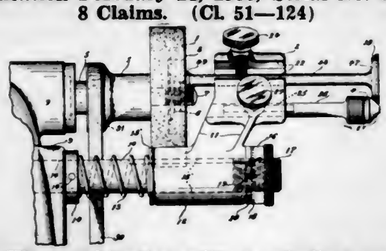
2,151,528

VALVE STEM GRINDER

Henry C. Preston, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland

Application February 14, 1936, Serial No. 63,857

8 Claims. (Cl. 51—124)



5. The combination with a grinding member and means for moving the same to provide a grinding plane, of a head mounted to move in parallelism with said grinding plane across said grinding plane, the head having a seat for a valve stem and a seat for the shank of an abutment both said seats having guiding means for said stem and shank at right angles to said grinding plane, clamping means for each said seat and an abutment having a surface adapted to engage the seating surface of a valve the stem of which rests in said valve stem seat the abutment having a shank adapted to slide and be clamped in the second seat.

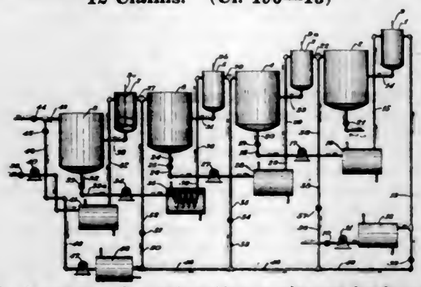
2,151,529

COUNTERCURRENT TREATMENT OF HYDROCARBON OIL

Oscar L. Roberts, Ardmore, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 10, 1933, Serial No. 675,250

12 Claims. (Cl. 196—13)



1. A process for extracting a viscous hydrocarbon oil with a selective solvent, which comprises intimately contacting said oil and solvent in a mixing zone, passing the oil-solvent mixture therefrom into a settling zone, separating the undissolved oil from the solvent and oil dissolved therein, and passing at least a portion of said undissolved oil into the said mixing zone, in contact with the oil and solvent being admixed therein.

2,151,530

BRAUN TUBE

Ernst Ruska, Berlin-Zehlendorf, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application September 16, 1936, Serial No. 101,174

In Germany October 15, 1935

3 Claims. (Cl. 250—161)



2. A cathode ray tube having an electron beam source and a luminescent screen positioned to intercept said beam, deflecting means disposed immediately adjacent said beam source, and means for producing a uniform focusing field between said source and said screen, said means including a coil having a varying number of turns per unit of length proportional to the diameter thereof at any point.

2,151,531

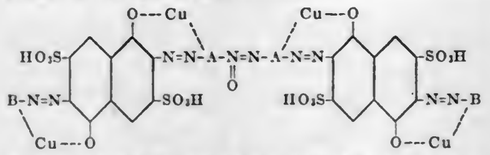
COPPER COMPLEX COMPOUNDS OF POLY-AZO DYESTUFFS

Hans Schindhelm, Frankfort-on-the-Main-Fechenheim, and Carl Theo Schultis, Bergen, near Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 23, 1938, Serial No. 203,820. In Germany April 28, 1937

4 Claims. (Cl. 260—143)

1. Copper complex compounds of polyazodyestuffs of the general formula:



wherein A and B stand for aromatic radicles of the benzene series containing in o-position to the azo group a group capable of being metallized, which copper complex compounds dye vegetable fibers various shades of good fastness, especially to light, and possess a particularly good resistance to the reducing action which some kinds of fibers produce during the dyeing process.

2,151,532

LIGHT-SENSITIVE LAYERS

Maximilian Paul Schmidt, Oskar Süs, and Georg Werner, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany

No Drawing. Application November 6, 1936, Serial No. 109,550. In Germany November 14, 1935

9 Claims. (Cl. 95—7)

4. A light sensitive layer comprising as the light sensitive substance a diazo-compound which has a hydrogenated ring fused with the benzene nucleus containing the diazo-group wherein the said hydrogenated ring consists of at least four carbon atoms and one tertiary amino group having its nitrogen atom in the ring.

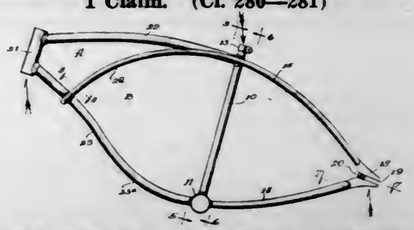
2,151,533

BICYCLE FRAME

Frank W. Schwinn, Chicago, Ill.

Application March 3, 1938, Serial No. 193,677

1 Claim. (Cl. 280—281)



A bicycle frame comprising in combination a steering head, a saddle post mast, a crank hanger attached to the lower end of the saddle post mast, an upper reach tube directly and rigidly connecting the steering head with the upper portion of the saddle post mast, a lower reach tube connecting the steering head with the crank hanger, a pair of lower fork members extending rearwardly from the crank hanger, a pair of upper fork members having their rear ends connected with the rear ends of the lower fork members and extending alongside, embracing between them, and being attached to, the upper portion of the saddle post mast, and integral extensions of said upper fork members extending forwardly and downwardly from the upper portion of the saddle post mast and being attached to a portion of the lower reach tube which is closer to the steering head than to the crank hanger, the rear portions of such integral extensions lying alongside of but not being connected with the rear portion of the upper reach tube.

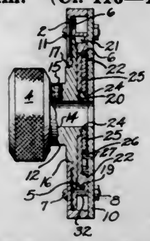
2,151,534

MULTIPLE TURN POSITION INDICATOR

Philip F. Scofield, Palo Alto, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada

Application May 12, 1937, Serial No. 142,312

1 Claim. (Cl. 116—124)



A position indicator, comprising a turning knob having a central bore and a setscrew therein for rigid attachment to a shaft to be controlled, an enclosing frame, an inspection port through said frame, a partial-turn dial integral with said knob, a graduated scale thereon in registry with said inspection port, a cumulative whole-turn dial concentrically revolvable about said partial-turn dial, a graduated scale thereon in registry with said inspection port, an internal gear in said cumulative dial, an eccentric integral with said turning knob, an idler gear actuated by said eccentric, said idler gear being so positioned and arranged as to engage said internal gear in the direction of greatest eccentricity, a rear cover plate, a pin therein, and a radial slot in said idler gear positioned to receive said pin, a stop mechanism operable upon a complete revolution of said whole-turn indicating dial, comprising a lug extending rearwardly from said part-turn indi-

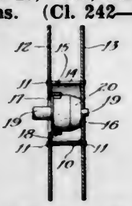
cating dial, a groove formed concentrically within said whole-turn indicating dial wherein said lug may move, a shoulder surrounding said groove, a pawl, a spring positioned to press said pawl against the periphery of said shoulder, a recess formed in the periphery of said shoulder, said recess being curved to receive said pawl and forming a port into said concentric groove, and a projection formed upon said pawl adapted to engage said lug when said pawl is in registry with said peripheral recess.

2,151,535
COOKING UTENSIL
Lewis H. Scurlock, Chicago, Ill.
Application March 4, 1937, Serial No. 128,911
11 Claims. (Cl. 53—7)



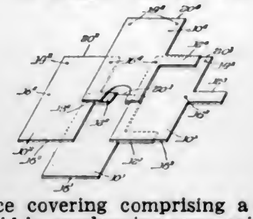
5. In a cooking utensil, a sheet metal disk fastened to the flat bottom of the utensil, having a depressed middle portion in one plane, providing dead air space for the center of the bottom, between the latter and said depressed portion, and having its outer marginal portion in a plane above said middle portion, with flatwise engagement of said marginal portion with said bottom, said disk being separately formed and hermetically united at its rim to the utensil.

2,151,536
FILM WINDING MEANS FOR CAMERAS AND THE LIKE
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application August 15, 1938, Serial No. 224,876
3 Claims. (Cl. 242—70)



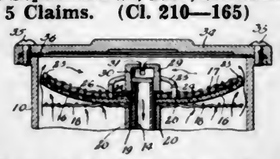
1. In a device of the type described, the combination of a hollow drum having a slot through its wall at one side portion thereof, a mounting pin at said slot for engagement with an opening through a film for securing the film releasably to the drum for winding thereon, end plates connected with said drum in transverse position for causing the film to wind evenly thereon, one of said end plates having a small opening therethrough and the other having a comparatively much larger opening therethrough both in concentric position with respect to the drum, means for supporting and driving said drum, comprising a spindle engaging the smaller one of said openings, and a head carried by said spindle having an effective driving engagement with the larger one of said openings so as to rotate said drum by power from said spindle, and a sleeve extending about said spindle and head in spaced relation to the wall of the drum serving to hold the film out of the path of the spindle and head when the drum is being mounted in operative position thereon.

2,151,537
SHINGLE
Josiah B. Stevens, Aurora, Ill., assignor, by mesne assignments, to The Lehon Company, Chicago, Ill., a corporation of Illinois
Original application January 10, 1935, Serial No. 1,106, now Patent No. 2,066,657, dated January 5, 1937. Divided and this application March 30, 1936, Serial No. 71,624
1 Claim. (Cl. 108—8)



A surface covering comprising a plurality of shingles laid in overlapping rows, said shingles in a given row each including a body portion having the longer dimension of the body portion extending upwardly and having an integral extension projecting from one long side substantially centrally of the body portion, the said extensions spacing the body portions of the shingles in a horizontal row by at least one-half of their width, the space between adjacent body portions above each extension being overlapped by the body portion of a shingle in the row above and said extensions each forming a filler strip between spaced body portions with the lower edge thereof substantially coinciding with the lower edge of the shingle in the above overlapping row, and the upper edge of the extension substantially coinciding with the upper edge of the underlying shingle.

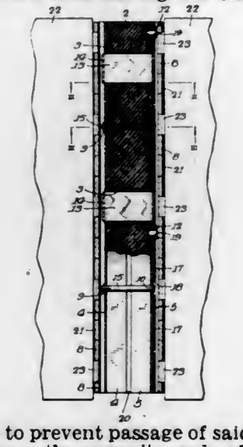
2,151,538
FILTER
Eric H. Swanson, Park Ridge, Ill.
Application September 22, 1937, Serial No. 165,160
5 Claims. (Cl. 210—165)



1. In a filter, a housing having an inlet and an outlet, a filter element extending across the housing dividing the latter into an intake chamber and a discharge chamber, a resistor element on the discharge side of the filter and having openings therethrough, said resistor contacting one face of the filter element for a substantial area, a fixed anchor, and means securing said resistor and filter elements to said fixed anchor at a point within and spaced from the periphery of the elements, the periphery of the filter element being free for flexing movement, said element being adapted to resist flexing under normal fluid pressure, and to be flexed with respect to its point of anchorage under the influence of abnormal pressure.

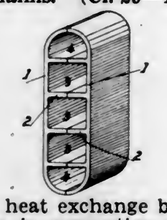
2,151,539
BINDER
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 17, 1937, Serial No. 137,388
4 Claims. (Cl. 281—25)

4. In a loose leaf binder, a stack of sheets, a pair of angle members arranged to embrace one edge of said stack of loose sheets, a plurality of screws connecting opposed sides of said angle members to hold said angle members tightly against said sheets, a plurality of registering apertures in said sheets and said opposed sides of said angle members, a plurality of bifurcated members inserted through said apertures, said bifurcated members each having one end of sufficient



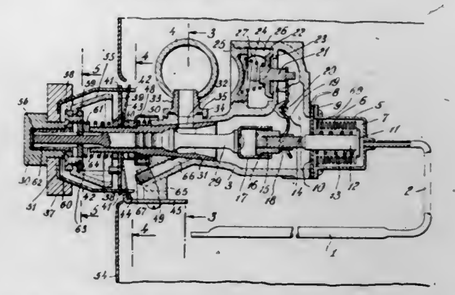
dimensions to prevent passage of said end through said apertures, the opposite ends of each of said bifurcated members being bent in opposite directions against one side of one of said angle members, a flat plate permanently secured to said last mentioned angle member so as to prevent access to said bent ends of said bifurcated member, and a pair of cover members hinged to said angle members, the hinges being arranged to prevent access to said screws.

2,151,540
HEAT EXCHANGER AND METHOD OF MAKING SAME
Alexander Varga, Budapest, Hungary
Application June 12, 1936, Serial No. 84,936
In Hungary June 19, 1935
5 Claims. (Cl. 29—157.4)



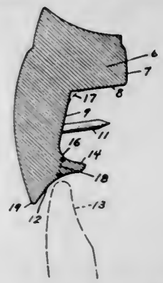
1. A tubular heat exchange body, particularly adapted for use in connection with smoke tube boilers and of the type affording passage on the inside for a gaseous medium, and on the outside for a liquid medium, comprising in combination a pair of rolled metal wall portions arranged in parallel spaced relation, curved end portions having a continuous smooth surface both on their inside and outside associated with said wall portions, welds joining together the abutting edges of said curved smooth end portions, each of said walls including a plurality of substantially parallel ribs formed integral therewith and projecting into the interior of said body, the two sets of ribs being juxtaposed so that the ribs associated with opposite walls abut against each other, said abutting ribs forming partitions subdividing the interior of said body into a plurality of conduits adapted as passages for said gaseous medium.

2,151,541
THERMOSTATIC DEVICE
Benson F. Waddell, Jackson Heights, N. Y., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware
Application March 25, 1936, Serial No. 70,762
14 Claims. (Cl. 236—15)



1. A thermostatic controller comprising the combination of a valve member having an opening through its side wall, a control means passing through the valve member and rotatable relative thereto, the member and rod being formed to provide a gas passage between them from said opening through the inner end of the valve member, a casing provided with a seat for the valve member and an opening through the seat adapted to cooperate with the opening in the valve member, an operating device for moving said openings into and out of alignment, a gas regulating valve for controlling flow through said valve member and comprising a seat and a valve member movable relatively to the seat, the casing having a gas passage therein leading from said last valve member to said end of the first valve member, a thermo-responsive means connected to the regulating valve for regulating the relative positions of its valve member and seat, and means whereby the turning of the control means effects an adjustment of the relation between said thermostatic element and the gas regulating valve.

2,151,542
PONTIC TOOTH
Winthrop C. Whittemore, New York, N. Y., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application October 15, 1936, Serial No. 105,680
1 Claim. (Cl. 32—10)

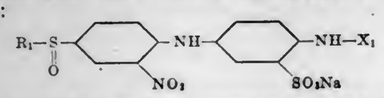


A porcelain pontic tooth having a mass of material at the gingival end adaptable for root or saddle contact, a pin ledge, a gingival floor extending lingually from said pin ledge, an incisal floor extending lingually, and an arcuate surface extending from said pin ledge to said incisal

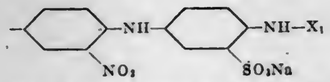
floor, the radius of said arcuate surface being approximately one-half the length of the incisal floor so as to provide sufficient material between same and the lingual area to permit grinding of the latter to provide proper articulation with antagonizing teeth.

2,151,543
ACID WOOL DYESTUFF
Werner Zerweck and Heinrich Ritter, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 9, 1937, Serial No. 178,882. In Germany December 14, 1936
4 Claims. (Cl. 260—509)

1. The acid wool dyestuffs of the general formula:

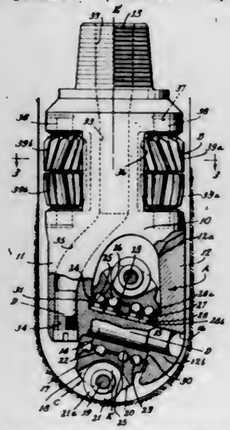


wherein R_1 stands for a member selected from the group consisting of lower alkyl, cyclohexyl and



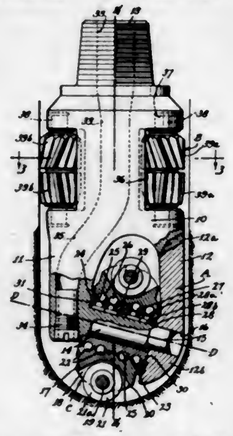
and X_1 stands for a member selected from the group consisting of cyclohexyl and aryl, aryl meaning a radicle of the benzene and naphthalene series, which dyestuffs dye animal fibers various shades of very good levelling power and fastness properties, partly of an excellent fastness to light, partly of an especially good fastness to washing, ironing, seawater and perspiration.

2,151,544
COMPOSITE BIT
John A. Zublin, Los Angeles, Calif.
Application February 21, 1938, Serial No. 191,621
13 Claims. (Cl. 255—71)



1. An earth boring tool, comprising a shank, a plurality of cutters rotatable with respect to said shank, means mounting said cutters on said shank for bodily translation with respect to said shank whereby said cutters are positioned to one side of the bore axis when in their lowermost position in the bore, and reaming means mounted on said shank to maintain said cutters to said one side of said axis.

2,151,545
COMPOSITE BIT
John A. Zublin, Los Angeles, Calif.
Application July 11, 1938, Serial No. 218,491
5 Claims. (Cl. 255—73)



1. A reamer comprising a shank, a pair of roller reaming cutters on the shank, the cutters of said pair being in adjacent relation circumferentially of said shank, and a roller reaming cutter positioned on the shank substantially diametrically opposite said pair of cutters.

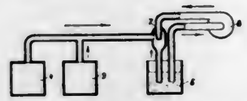
2,151,546
MECHANICAL TOY IN THE FORM OF A SOLDIER THROWING A HAND GRENADE
Carl Arnold, Nuremberg, Germany
Application July 6, 1937, Serial No. 152,252
In Germany May 7, 1937
1 Claim. (Cl. 46—145)



A mechanical toy in the form of a soldier throwing a hand grenade, comprising in combination a body, an axle extending transversely in said body, a spiral spring wound on said axle and secured at one end to said body, a notched disc keyed on said axle and engaging the other end of said spring, an arm fixed at one end on said axle and adapted to be raised by hand to rotate said axle and tension said spring between said body and said disc, a catch oscillatable in said body and adapted to lock said disc to maintain said spring under tension, holding means on the other end of said arm, a stick shaped percussion hand grenade loosely insertable in said holding means, and a lever rigidly connected to said catch and adapted to disengage said catch

from said disc to swing forward said arm precipitately into its initial position under the action of said spring, and to sling said hand grenade out of said holding means.

2,151,547
METHOD FOR THE PRODUCTION OF DISPERSE GASES IN LIQUIDS
Rudolf Auerbach, Neuenhagen, near Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application May 8, 1935, Serial No. 20,346
In Germany May 8, 1934
12 Claims. (Cl. 261—77)



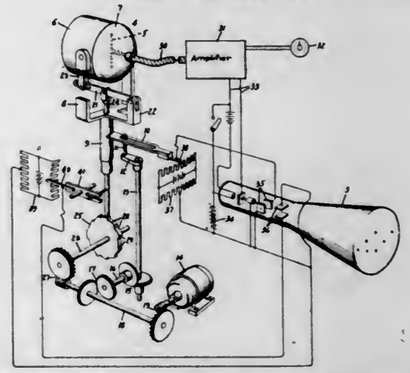
1. The method which comprises mixing a gas under reduced pressure with a flowing stream of non-solvent liquid at a higher pressure, accumulating the resulting liquid at a pressure lower than the pressure on the liquid during mixing of the said gas therewith, and introducing into a flowing stream of the said liquid containing dispersed gas a further amount of gas at a pressure substantially below the pressure on the said liquid.

2,151,548
DECORATIVE TUBULAR ARTICLE OF PYROXYLIN OR THE LIKE
Robert Back, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a corporation of Delaware
Application December 9, 1935, Serial No. 53,467
2 Claims. (Cl. 18—51)



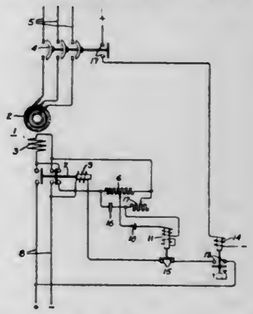
1. A tubular article of pyroxylin or the like, consisting of a strip wound helically into a tube and having the margins of adjacent helices integrally and continuously united along a helical line, said strip being formed of integrally united laminations of different colors, each of which laminations has a line-like edge lying at the surface of the strip and a wider face extending into the strip, surface edges of the laminations in different surface areas of the tube extending in different directions relative to the helical line, whereby the surface of the tube presents a mottled appearance due to the fact that different areas show line-like striations running in directions differing from those of adjacent striate areas.

2,151,549
AIRCRAFT LANDING EQUIPMENT
Howard I. Becker, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 6, 1936, Serial No. 89,010
2 Claims. (Cl. 250—11)



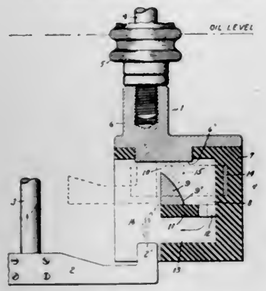
2. Aircraft landing equipment comprising a plurality of radio transmitters arranged to mark a landing area, radio receiving apparatus including an antenna means directive in two planes substantially at right angles to each other carried by said craft, motor mechanism for moving said antenna means to cause it to scan said area successively in spaced paths, a receiver comprising a cathode ray tube, means for varying the intensity of the cathode ray thereof in accordance with the output of said antenna means and means for producing scanning movements of the ray corresponding with the movements of said antenna means.

2,151,550
MOTOR CONTROL SYSTEM
Roy C. Buell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 5, 1937, Serial No. 157,536
5 Claims. (Cl. 171—118)



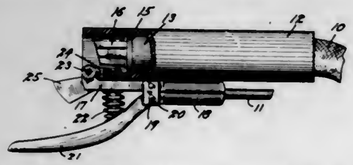
1. In combination, a synchronous motor having a field winding, a source of excitation for said field winding, means for connecting said source to said field winding, a circuit connected to said field winding, a control circuit, means dependent upon a half cycle of current of a predetermined direction and duration in said control circuit for effecting the operation of said connecting means, and means for supplying to said control circuit a current having the same frequency as the induced field current but leading in phase a predetermined amount therefrom.

2,151,551
ELECTRIC CIRCUIT INTERRUPTER
Kiichi Ishiwata, Kanagawaken, Japan, assignor to General Electric Company, a corporation of New York
Application May 6, 1937, Serial No. 141,174
In Japan May 20, 1936
5 Claims. (Cl. 200—150)



1. An electric circuit interrupter of the fluid blast type comprising means for forming an arc within an arc extinguishing fluid, a pressure confining chamber having an opening adjacent to one portion of said arc, means for driving said portion of arc through said opening and into said chamber to generate arc pressure therein, said driving means being increasingly responsive to the magnitude of the current to be interrupted, and means for directing said arc pressure in said chamber to cause a fluid blast at another portion of said arc, said blast exhausting from said chamber at a point other than said opening.

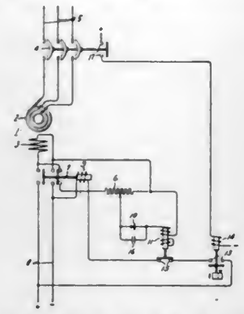
2,151,552
ELECTRODE HOLDER
Charles B. Jandos, Craig, Colo.
Application October 16, 1937, Serial No. 169,352
3 Claims. (Cl. 219—8)



1. An electrode holder comprising: a handle member; an electric contact member within said handle member; means for securing the extremity of an electric cable to said contact member; electrode gripping means hinged on the extremity of said handle member so that it may swing from an extended position in alignment with said handle member to a folded position alongside said handle member; and switch means projecting from said gripping means so as to close a circuit with said contact member when said gripping means are in the extended position and to break said contact when in the folded position.

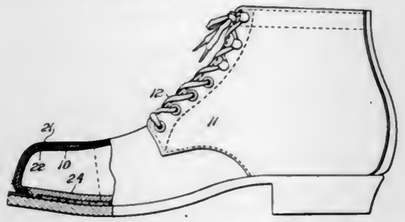
2,151,553
MOTOR CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 21, 1936, Serial No. 81,048
Renewed November 25, 1938
6 Claims. (Cl. 171—118)

1. In combination, a synchronous motor having a field winding, a source of excitation, a discharge circuit connected to said field winding, means for connecting said source to said field winding, means for causing each half-cycle of induced field current of a predetermined direc-



tion to flow for a shorter length of time in a predetermined portion of said discharge circuit than it does in another portion, and means controlled by the duration of the current in said predetermined portion of said discharge circuit for initiating the operation of said connecting means.

2,151,554
ARMORED SHOE
Helmer G. Josephson, Saugus, Mass.
Application February 13, 1937, Serial No. 125,556
2 Claims. (Cl. 36—77)

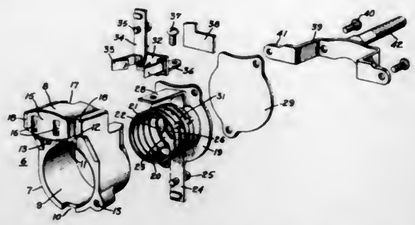


1. A shoe of the character described comprising an innersole, an outersole and an upper, and including as a part of the toe thereof a unitary sheet metal toe box structure for shielding the foot of the wearer from injury by a heavy object falling thereon, said toe box unit having only a top wall part whose rear marginal portion tapers in thickness toward the rear edge thereof and a skirt at the opposite sides and front of said top wall part whose lower and rear opposite side marginal portions taper in thickness toward the edges thereof, the lower marginal portion of said skirt being bent inwardly a comparatively short distance to fit into the inseam of the shoe so as to occupy a position wholly outside of the fastening devices which connect the innersole with the outside parts of the sole of the shoe.

2,151,555
FUSED CONVENIENCE OUTLET
Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 9, 1937, Serial No. 163,087
6 Claims. (Cl. 200—133)

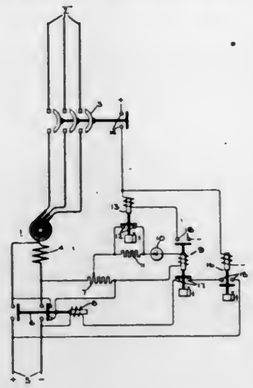
1. A fused convenience outlet comprising a mounting block having a convenience outlet base and a fuse socket base, contacts in the convenience outlet base, a shell contact and center

contact adapted to be mounted in the fuse socket base from either the front or rear thereof, and



means connecting one of the convenience outlet contacts to one of the fuse socket contacts.

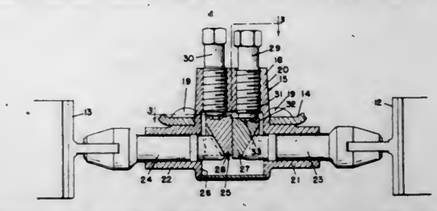
2,151,556
SYNCHRONOUS MOTOR CONTROL SYSTEM
Arthur H. Lauder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1937, Serial No. 122,935
5 Claims. (Cl. 172—289)



1. In combination, a synchronous motor having an armature winding and a field winding, means for starting said motor including a source of alternating current and switching means for controlling the connection of said source to said armature winding, a source of excitation, means controlled by the speed of said motor normally arranged to effect the connection of said source of excitation to said field winding when the motor speed reaches a predetermined value, and timing means controlled by said starting means for causing said speed controlled means to effect the connection of said source of excitation to said field winding at a motor speed below said first-mentioned predetermined value but above a second predetermined value.

2,151,557
BRAKE MECHANISM
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 23, 1936, Serial No. 70,430
32 Claims. (Cl. 188—79.5)

1. In a brake mechanism, a brake drum having an annular brake flange, shoes supported within the drum and having spaced ends, means for independently adjusting the shoes to vary the clearance between the latter and brake flange, said means including a pair of members supported for movement transversely of the brake shoes be-

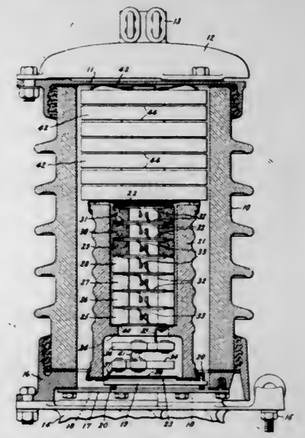


tween the ends of the shoes at one side of the drum and respectively operable to move the latter outwardly, and separate means for independently actuating the members.

2,151,558
PROCESS FOR VARNISHING SLIDING CLASP FASTENERS
Carl Mäueler, Wuppertal-Barmen, Germany
No Drawing. Application February 3, 1936, Serial No. 62,226. In Germany February 8, 1935
3 Claims. (Cl. 91—70)

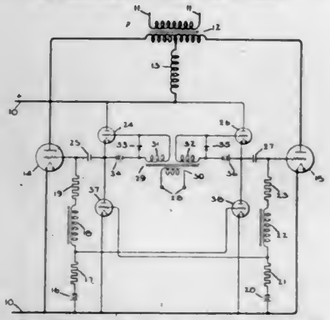
1. The process of varnishing elements of separable fasteners, comprising pickling the elements, tumbling them, applying a very thin film of varnish to the elements while tumbling them, heating the elements to partly dry their films so that they are still soft, mechanically separating the elements, repeating the tumbling, varnishing, and drying operations until the coat of superimposed films of varnish on the elements has attained the desired thickness, completely drying the elements and securing them on the carrying band.

2,151,559
LIGHTNING ARRESTER
Karl B. McEachron, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 24, 1936, Serial No. 76,178
6 Claims. (Cl. 175—30)



1. A lightning arrester including a discharge gap, a resistance unit shunting the discharge gap, a sealed casing enclosing the discharge gap and resistance unit to form a discharge gap unit, a current limiting element outside of said sealed casing, and a casing enclosing the current limiting element and the sealed discharge gap unit.

2,151,560
ELECTRIC VALVE CONVERTING SYSTEM
Marvin M. Morack, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1937, Serial No. 134,332
12 Claims. (Cl. 175—363)



6. An electric valve converting system for transferring energy from a direct current circuit to an alternating current circuit comprising an inductive winding provided with an intermediate terminal thereon, means connecting said intermediate terminal to one side of said direct current circuit, a pair of electric valves interconnecting the remaining terminals of said inductive winding with the other side of said direct current circuit, each of said valves containing an ionizable medium and a control grid, a control circuit for each of said grids comprising a grid-to-cathode circuit including an impedance device and biasing means for normally maintaining said valve nonconductive, a circuit arranged to be energized from said direct current circuit including a capacitor connected in series with the elements of said grid-to-cathode circuit, means for transmitting current to said last-mentioned circuit to render ineffective said biasing means thereby causing said valve to become conductive, a circuit for discharging said capacitor including said impedance device and an auxiliary controlled electric valve, each of said auxiliary electric valves being controlled in response to the initial flow of energy through the grid-to-cathode circuit of the other of said electric valves.

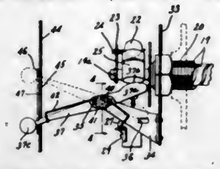
2,151,561
DYNAMO-ELECTRIC MACHINE
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 8, 1937, Serial No. 141,488
7 Claims. (Cl. 29—155.5)



1. A dynamo-electric machine including a frame comprising a substantially cylindrical shell, a plurality of spaced apart circumferentially extending projections having substantially flat radially extending inner sides formed on said shell, an inwardly extending projection intermediate said circumferential projections formed longitudinally of said shell, an assembly of laminations secured in assembled relation within said shell by engagement of said inner sides of said circumferential projections about the outer laminations of said assembly, a longitudinally extending groove formed in said assembly of laminations arranged in engagement with said longitudinal projection, the outer circumference of said laminations being provided with straight sides intermediate the portions thereof secured between said projections to provide open spaces between said shell and said laminations, an end shield arranged on an end of said shell, and means for securing together said end shield and said shell extending through said open spaces between said shell and said laminations.

2. The method of making a dynamo-electric machine frame having spaced apart projections thereon for securing an assembly of laminations therein, which comprises forming a recess in an assembly of laminations, inserting an assembly of laminations within the shell out of engagement with the projections and with the recess in the laminations out of engagement with the projections, turning the assembly of laminations with respect to the projections to secure the laminations between the projections and to bring the recess into engagement with one of the projections to retain the assembly of laminations in place.

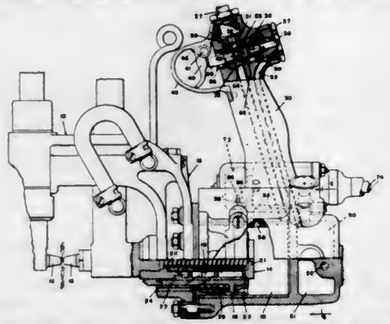
2,151,562
CONTROL MECHANISM FOR WATER HEATERS AND THE LIKE
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 9, 1936, Serial No. 73,509
3 Claims. (Cl. 200—138)



1. In a control system for a water heater having a water reservoir, having means for heating the water therein, having control means for said heating means including a mercury switch oscillatable to "on" and "off" positions, and having a thermostat responsive to water temperature for oscillating said switch; in such a system a casing enclosing said switch, there being a vertically extending opening through a wall of said casing, said opening having a laterally offset portion at its lower end, a bracket, a slot in said bracket, a lever flexible in a lateral direction and pivotally mounted intermediate its ends in said slot, one end of said lever operatively engaging said switch and adapted to hold said switch in "off" position, the other end of said lever extending toward the said wall of said casing and through said opening, said lever pivot being adjustable to various positions in said slot to insure the extension of said lever through said opening, and means biasing said other end of said lever upwardly, whereby said lever is normally biased toward the upper end of said opening or, when said lever is flexed laterally into said offset portion of said opening it is held there by said biasing means.

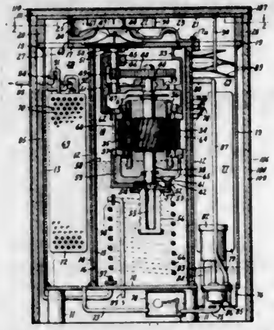
2,151,563
AUTOMATIC VALVE FOR WELDING MACHINES
Henry Thomas Platz, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 9, 1935, Serial No. 53,629
8 Claims. (Cl. 219—4)

1. In electric welding apparatus, an electrode movable into and out of engagement with the work to be welded, a switch for controlling an electric circuit to the electrode, fluid pressure operated means for actuating the switch to close the circuit to the electrode in timed relation to movement of the electrode into engagement with the work, means also operated by fluid pressure for actuating the switch to open the circuit to the electrode in timed relation to closing of the



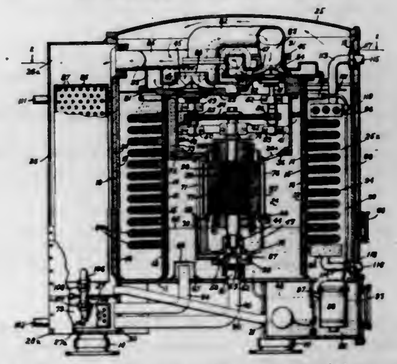
switch by the aforesaid fluid pressure operating means, additional means operated by fluid pressure for effecting movement of the electrode in a direction away from the work, means for regulating the flow of fluid pressure to the switch opening means to control the length of the weld, and regulating means operable independently of the last named means to control the flow of fluid under pressure to the electrode retracting means.

2,151,564
REFRIGERATING MACHINE
Manuel G. Robinson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application October 29, 1937, Serial No. 171,679
11 Claims. (Cl. 62—115)



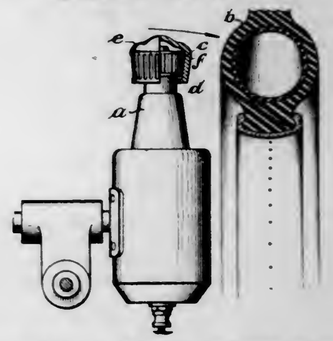
1. A refrigerating machine comprising an inner casing defining a motor compartment, a motor arranged in said motor compartment, an outer casing surrounding said inner casing and cooperating therewith to define a condenser compartment and an evaporator compartment, means including a compressor driven by said motor for withdrawing vaporized refrigerant from said evaporator compartment and for discharging compressed refrigerant into said condenser compartment, means including a heat exchanger arranged in said condenser compartment for liquefying the compressed refrigerant therein, means for conducting liquid refrigerant from said condenser compartment to said evaporator compartment, and another heat exchanger arranged in said evaporator compartment and cooled by the refrigerant therein.

2,151,565
REFRIGERATING MACHINE
Manuel G. Robinson, Glen Ridge, N. J., assignor to General Electric Company, a corporation of New York
Application May 5, 1938, Serial No. 206,140
11 Claims. (Cl. 62—115)



1. A refrigerating machine comprising an inner casing defining a motor compartment, a motor arranged in said motor compartment, an outer casing surrounding said inner casing and cooperating therewith to define an evaporator compartment, a third casing extending around a portion only of said outer casing in spaced relation thereto and cooperating therewith to define a condenser compartment, means including a multi-staged compressor driven by said motor for withdrawing vaporized refrigerant from said evaporator compartment and for discharging compressed refrigerant into said condenser compartment, means including a heat exchanger arranged in said condenser compartment for liquefying the compressed refrigerant therein, means for conducting liquid refrigerant from said condenser compartment to said evaporator compartment, and a second heat exchanger arranged in said evaporator compartment and cooled by the refrigerant therein.

2,151,566
NONSKID CAP FOR BICYCLE DYNAMOS
Wilhelm Sander, Zwickau, Saxony, Germany
Application February 5, 1938, Serial No. 188,967
In Germany February 25, 1937
1 Claim. (Cl. 74—215)



A non-skid cap for the driving wheel on the electric dynamo for bicycles, comprising in combination with the bicycle tire cover and the driving wheel having teeth separated by gaps, a frustro-conical cap of elastic material having internal flutes adapted to engage into the gaps

between the teeth of the driving wheel and external flutes adapted to engage on said bicycle tire cover, said frustro-conical cap adapted to be pulled over the driving wheel, an inwardly turned edge at the lower end of said cap securely holding the cap on the driving wheel, and allowing stretching of the cap when it is pulled over the driving wheel.

2,151,567

ELECTRODES FOR ARC DISCHARGE VALVES

Hugo J. Seemann, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York

No Drawing. Application May 19, 1938, Serial No. 208,930. In Germany May 26, 1937

8 Claims. (Cl. 250—27.5)

5. An electrode for arc discharge valves consisting of about five per cent. thorium, about 68.4 per cent. silver and about 26.6 per cent. copper.

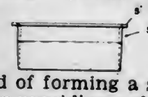
2,151,568

METHOD OF FORMING BRAKE DRUMS

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application September 14, 1936, Serial No. 100,784

7 Claims. (Cl. 29—152.2)



1. The method of forming a sheet metal brake drum, comprising providing a sheet metal tubular blank having an annular brake engaging portion and an annular portion decreasing in gauge from the brake engaging portion, contracting the last mentioned portion and thereby upsetting the metal thereof, during the contracting forming a tapered part and an approximately cylindrical part at the free end of the tapered part, and then securing a web to the approximately cylindrical part.

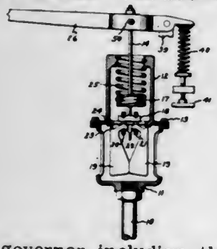
2,151,569

SPEED GOVERNOR

Raymond Sheppard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 8, 1937, Serial No. 147,049

3 Claims. (Cl. 264—15)



1. Speed governor including the combination of a drive shaft, rotatable elements including weights and a governor spindle driven from the drive shaft, a governor lever, and a gimbal bearing connecting the lever to the spindle to transmit vertical motion from the spindle to the lever and to prevent the transmission of rotary motion from the spindle to the lever, said gimbal bearing comprising two pairs of substantially coplanar bearings of which at least one pair is in the form of knife edge bearings to eliminate vibration of the governor lever due to pendular motion of the rotatable elements.

2,151,570

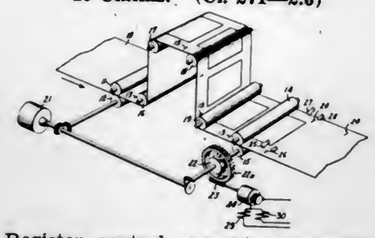
CONTROL SYSTEM

David R. Shoults and Harold W. Lord, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application February 27, 1936, Serial No. 66,030

Renewed July 29, 1938

19 Claims. (Cl. 271—2.6)



1. Register control apparatus comprising the combination with an element operating on a strip of material, of light sensitive means controlled by the strip for producing an electrical impulse, light sensitive means for producing an electrical impulse in accordance with the position of said element, and means actuated by said impulses for varying the relationship between said strip and element in accordance with the order of occurrence of said impulses.

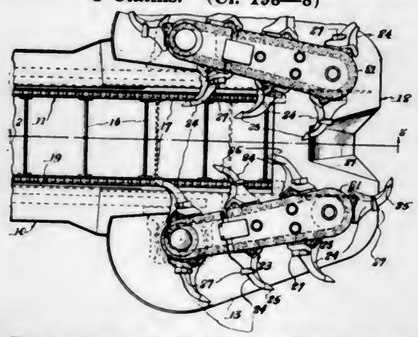
2,151,571

LOADING MACHINE

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 10, 1937, Serial No. 163,173

3 Claims. (Cl. 198—8)



1. In a gathering and loading element, in combination, an elevating conveyer including an endless chain having laterally extending flights disposed at intervals therealong, an apron extending forwardly of the forward end of said conveyer to the ground and rearwardly along opposite sides of said conveyer and having a discharge edge extending across the forward end of said conveyer, endless chains on the upper side of said apron and guided for movement along opposite sides of said conveyer in paths diverging laterally away from said conveyer as they extend upwardly therealong, gathering arms projecting laterally from said endless chains in the same spaced relation as said flights, and a geared drive connection to said endless chains for synchronizing the speed of said chains with that of said conveyer in such a manner that said gathering arms are driven to travel at substantially half the speed of said conveyer so that each gathering arm approaches the discharge edge of said apron at substantially the same time

a flight passes thereby and so that each gathering arm is laterally beyond the sides of said conveyer before it turns away from the conveyer and the next succeeding flight catches up with it.

2,151,572

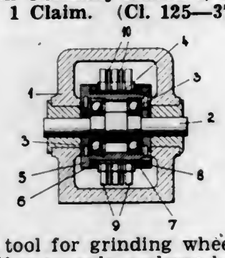
TRUING TOOL FOR GRINDING WHEELS

Walter Stadelbauer, Dusseldorf, Germany

Application June 11, 1938, Serial No. 213,158

In Germany March 4, 1936

1 Claim. (Cl. 125—37)



A truing tool for grinding wheels, comprising in combination an axle, a sleeve loosely mounted on said axle, ball bearings supporting said sleeve on said axle to ensure frictionless rotation of said sleeve on said axle, a carrier on said sleeve and rotatable therewith, and a plurality of separate truing elements loosely mounted on said rotatable carrier, said truing elements being rotatable relatively to said carrier and at the same time rotatable at different angular speeds relatively to one another.

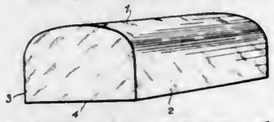
2,151,573

SYNTHETIC RESIN MAGNIFYING GLASS

Nathan M. Stanley, Dayton, Ohio

Original application September 14, 1935, Serial No. 40,595. Divided and this application October 23, 1936, Serial No. 107,223

1 Claim. (Cl. 88—39)



As a new article of manufacture for use as a magnifying reading lens comprising a transparent body of relatively great length in proportion to its width provided with an elongated arcuate top surface, said body having straight side walls with curved surfaces of shorter radius than said top surface joining said top surface and side walls, straight end walls, and a flat bottom wall, the depth of the body being such that the lens may be placed directly upon the surface containing the material to be magnified.

2,151,574

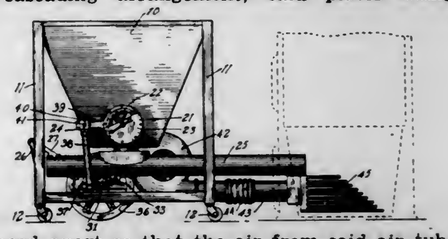
FURNACE STOKER

Leonard A. Ward, Denver, Colo., assignor to L. A. Ward, Inc., a corporation of Colorado

Application May 16, 1936, Serial No. 80,117

2 Claims. (Cl. 110—101)

1. A stoker for a furnace comprising: a hopper; a discharge spout at the bottom of said hopper; a substantially horizontally extending jig tube positioned below said discharge spout and communicating therewith, said jig tube terminating in said furnace; means for reciprocating said jig tube so as to cause coal to travel therealong; a blower; an air tube extending forwardly from said blower; and an air distributor carried by said air tube within said furnace below the discharge extremity of said jig tube, said distributor comprising: a series of horseshoe-like plates successively increasing in size so as to form a cascading arrangement, said plates being



spaced apart so that the air from said air tube may discharge between them.

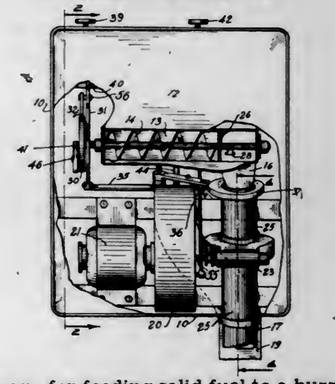
2,151,575

FURNACE STOKER

Leonard A. Ward, Denver, Colo.

Application December 14, 1936, Serial No. 115,714

5 Claims. (Cl. 110—101)



1. Means for feeding solid fuel to a burner comprising: a feed hopper; a feed screw in the bottom of said hopper; a receiving chute for receiving the fuel from said screw; an inclined feed tube extending from said chute to said burner; means for rotating said feed tube; a cam surface carried by said feed tube; and a lever contacting said cam to impart an intermittent rotation to said feed screw as said tube rotates.

2,151,576

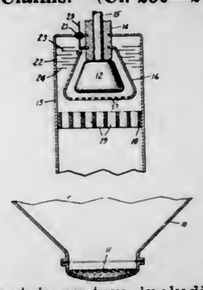
GRID-CONTROLLED MERCURY ARC DISCHARGE DEVICE OR RECTIFIER

Frank P. Whitaker, Rugby, England, assignor to General Electric Company, a corporation of New York

Application July 9, 1936, Serial No. 89,819

In Great Britain August 28, 1935

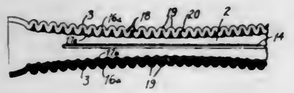
10 Claims. (Cl. 250—27.5)



1. In an electric system including a device of the grid-controlled type having an anode, said

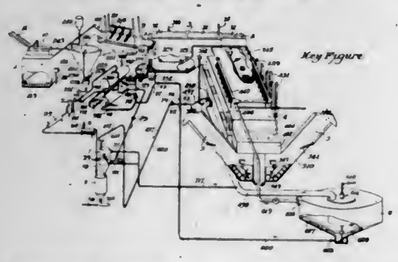
device having inherent capacity between the grid and a second element of said device insufficient to prevent oscillations in the grid-cathode circuit of said device, a supplemental internal capacity connected between said grid and said second element and providing together with said inherent capacity a total capacity of such value that oscillations in the grid-cathode circuit are prevented.

2,151,577
WEED CUTTING IMPLEMENT
Winthrop Withington, Shaker Heights, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application October 6, 1936, Serial No. 104,267
6 Claims. (Cl. 30—318)



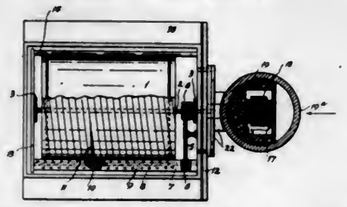
1. In a weed or the like cutting implement, an elongated sheet metal blade having cutting edges on opposite sides thereof provided each with cutting teeth, said cutting teeth being formed by providing transversely extending corrugations pressed from the blade metal and bevelling the corrugations from one face of the blade to provide generally V-form serrations, an elongated flexible rod-like handle connected at one end to the rear end of the cutting blade and extending upwardly therefrom at a rearward inclination and having an enlarged hand grip at its upper end, the axis of the handle normally intersecting the blade at a point nearer its rearward end than its forward end, and at least one of the cutting edges being of concave form to effect a gathering of weeds towards the center portion of the blade.

2,151,578
METHOD OF AND APPARATUS FOR ISOLATING MINERALS
Henry L. Alexander, Niagara Falls, N. Y., and Hubert I. du Pont, Rockland, Del., and Willing B. Foulke, Media, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 7, 1939, Serial No. 255,014
In Germany August 27, 1937
24 Claims. (Cl. 209—172)



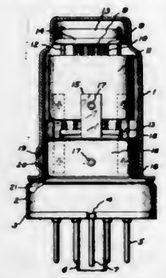
23. A process which comprises washing a mineral which is not readily or preferentially wet by water with a dilute aqueous bath containing a glycoside in which the aglucone is an unsymmetrical polyhydroxy aromatic radical, immersing the mineral in an organic parting liquid substantially insoluble in water, separating mineral and organic liquid, and scrubbing the mineral to remove parting liquid.

2,151,579
INDICATING DEVICE FOR INDICATING THE LEVEL OF LIQUID IN CONTAINERS
Leonard Bernard Bacon, East Brunswick, Victoria, Australia
Application August 15, 1936, Serial No. 96,297
In Australia August 26, 1935
1 Claim. (Cl. 116—129)



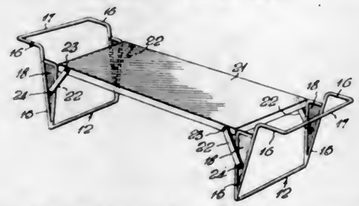
In combination, a support, a rotary indicating drum, a length of piping and a casing removably mounted therein, a rotary drum actuating member mounted in the casing, means for mounting the casing in the piping including a tubular housing secured thereto and extending therefrom through an opening provided in the piping for attachment to said support, and means for releasably operatively associating said rotary drum and said actuating member including shafts extending from said drum and actuating member into said tubular housing, each of said shafts having cross heads mounted on the end thereof disposed at right angles to each other, and a connecting block disposed in said tubular housing between the ends of said shafts having complementary bifurcated ends for receiving said cross heads therein whereby rotary motion is imparted to said rotary indicating drum.

2,151,580
ELECTRIC DISCHARGE APPARATUS
James E. Beggs and Wayne E. Birchard, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 20, 1935, Serial No. 50,691
9 Claims. (Cl. 250—27.5)



9. An electric discharge device comprising a cylindrical envelope containing electrode structure, vaporizable getter material, and means for shielding the said electrode structure from vaporized getter material, said means including an annular member interfitting within the envelope and forming in cooperation with the cylindrical wall thereof a substantially closed annular space, the said getter material being positioned within said space and one of the peripheral edges of the said annular member being slightly spaced from the envelope wall to provide a narrow crack extending peripherally of the envelope and through which the said space communicates with the interior of the envelope.

2,151,581
BATHTUB SEAT ATTACHMENT
George B. Bentz, Bronx, N. Y.
Application August 5, 1938, Serial No. 223,334
7 Claims. (Cl. 4—185)

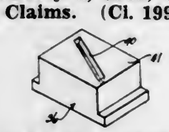


1. A seat attachment for a bathtub, comprising two end members to engage the inner sides of the opposed walls of a tub, said end members having upper seat-engaging portions and lower seat-engaging portions, a seat to extend between said end members, and links pivoted at one end to said end members and at the other end to said seat, said links being swingable to raised and lowered positions to allow vertical adjustment of the seat into engagement with said upper or said lower seat-engaging portions.

2,151,582
STABLE BREWED DECAFFEINIZED COFFEE AND METHOD OF PRODUCING THE SAME
David Julian Block, Winnetka, Ill.
No Drawing. Application December 24, 1934, Serial No. 759,103
7 Claims. (Cl. 99—69)

1. The method of treating coffee for substantial decaffeinization thereof which comprises preparing a hot water brew of the coffee and contacting the hot brew with substantially unactivated carbon in the presence of a minor quantity of a slowly soluble non-toxic alkaline substance.

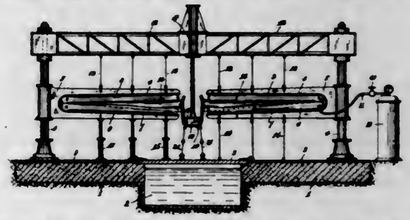
2,251,583
TYPE AND METHOD AND APPARATUS FOR PRODUCING THE SAME
George Edmon Brinkerhoff, Washington, D. C.
Application January 5, 1938, Serial No. 183,544
12 Claims. (Cl. 199—47)



1. In a font of type, a character having upper and lower symbols, and a division line, said symbols and division line having narrow and elongated base portions disposed in relatively movable parallel relation and paralleling the type line so as to permit of relative positioning of the symbols on opposite sides of the division line in properly spaced relation with respect to each other and with respect to the division line.

2,151,584
TESTING APPARATUS APPLICABLE MAINLY TO PARTS OF AIRCRAFT
Jean Bugatti, Molsheim, France
Application March 8, 1935, Serial No. 10,103
In France March 12, 1934
18 Claims. (Cl. 73—51)

1. An apparatus for testing the resistance of a substantially flat-shaped structure, for instance an airplane or a part of an airplane, which comprises, in combination, a rigid support, two rigid plates carried by said support, so as to extend on either side of at least one portion of said structure in substantially parallel relation thereto, two flexible bags adapted to be inflated with a fluid

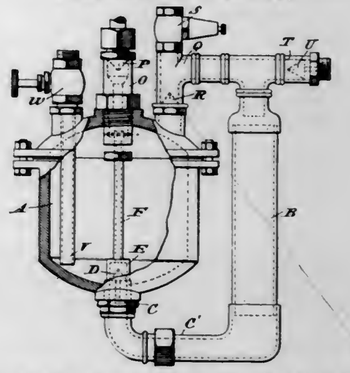


arranged to be interposed between either face of said structure and the corresponding plate respectively, and means for strongly applying said bags against said faces of the structure respectively.

2,151,585
MINERAL OIL
Bertold Buxbaum, Berlin, Germany
No Drawing. Application June 8, 1938, Serial No. 212,566. In Germany February 10, 1937
6 Claims. (Cl. 87—9)

1. A mineral oil for use as a lubricant and cutting oil which is characterised by having admixed therewith a colloidal suspension of sulphur that is insoluble in carbon disulphide and oil and has been so finely ground that the largest particles have a size of 5μ while the majority of the particles have a size of 1 to 2μ.

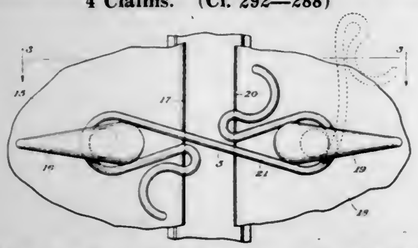
2,151,586
MEANS FOR CARBONATING WATER AND BEVERAGES
John Griffiths Cameron, Newstead, Brisbane, Queensland, Australia, assignor to Barnes Engineering (Pty.) Ltd., Newstead, Queensland, Australia, a company incorporated of Australia
Application July 19, 1937, Serial No. 154,510
In Australia September 14, 1936
2 Claims. (Cl. 261—19)



1. Apparatus for carbonating and delivering water or the like comprising a carbonated water reservoir and a gas chamber, an inlet for the gas to the gas chamber, a non-return valve in said gas inlet permitting the flow of gas into said gas chamber but preventing the return of gas from said gas chamber, an inlet for the water to said reservoir, a non-return valve in said water inlet permitting the flow of water into said reservoir but preventing the return of water from the reservoir, a discharge pipe with a cock for the discharge of carbonated water from said reservoir,

a passage from the top of the reservoir to the top of the gas container, a non-return valve in said passage permitting flow through said passage from the reservoir to the chamber but preventing a reversed flow, a pipe extending from the gas chamber into said reservoir, a non-return valve in said last-mentioned pipe permitting the flow from the gas chamber into the reservoir but preventing a reversed flow, a mixing chamber in said reservoir above water level in which the water and the gas from said last-mentioned pipe oppositely meet and intermingle, the gas being under lower pressure than the water, and ducts leading from said mixing chamber to said reservoir.

2,151,587
DOOR HANDLE LOCK
Morris A. Cassileth, Brooklyn, N. Y., assignor of one-half to Lee H. Cassileth, Brooklyn, N. Y.
Application November 2, 1938, Serial No. 238,451
4 Claims. (Cl. 292—288)



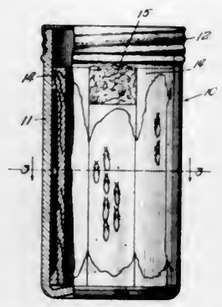
1. A door fastening device comprising a resilient clip formed with looped ends adapted to embrace the handles of a motor vehicle, and means integral therewith forming hand grips.

2,151,588
PUMPING APPARATUS
Sloan A. Emerson, Vinton, La., assignor to Emerson Oil Corporation, Vinton, La., a corporation of Louisiana
Application June 28, 1937, Serial No. 150,873
2 Claims. (Cl. 103—179)



1. In a fluid pumping apparatus, a working barrel, and a plunger reciprocable in said barrel within fixed limits of travel and comprising a plurality of packing cups having upstanding annular flanges, said barrel being provided with a longitudinal groove in the internal surface thereof extending from the outlet extremity of the barrel to a point spaced therefrom a distance at least as great as the length of said plunger.

2,151,589
CONTAINER FOR TERMITES
Olive Falls, Chicago, Ill.
Application July 8, 1937, Serial No. 152,644
7 Claims. (Cl. 119—1)



1. Apparatus of the character described for housing termites under conditions inducing visible activities, including: a wall of glassy material; a wall of cellulosic material adjacent said glassy wall and having one surface of said cellulosic wall in contact throughout its entire area with the wall of glassy material: and means for keeping said cellulosic material moist.

2,151,590
HANGER
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., a corporation of Illinois
Application May 24, 1937, Serial No. 144,497
1 Claim. (Cl. 16—98)

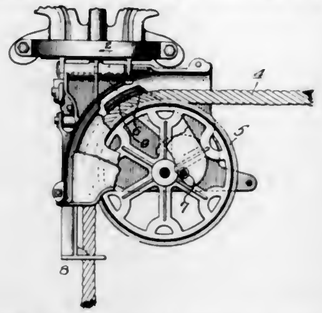


A barn door hanger having a roller bearing structure including: a central pin; a perforated tubular member surrounding the pin and spaced therefrom; a series of rollers in the space between the pin and the tubular member; a closed annular chamber around the tubular member; and an endless fibrous washer in the annular chamber stretched over the tubular member and lying over the perforation therein, said washer being of such length, compressibility and elasticity that it will be held in place by friction and extrude a portion of itself through said perforation into contact with said rollers.

2,151,591
HAY CARRIER
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., a corporation of Illinois
Application June 5, 1937, Serial No. 146,678
3 Claims. (Cl. 188—65.1)

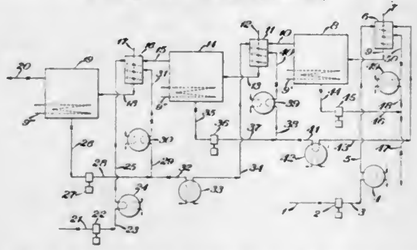
1. In a hay carrier of the type wherein a hoisting rope is gripped by a locking device and wherein the locking device is automatically set by the rise of the load so as repeatedly to engage and hold the rope in the same place while the rope is substantially stationary and without substantial slipping of the rope, a rope engaging shoe secured to the inner face of the locking device, the shoe

being largely composed of fibrous material and being sufficiently yielding to conform to the ir-



regularities of the rope without substantially breaking the rope fibers.

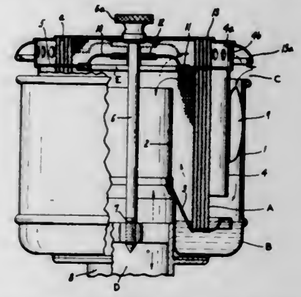
2,151,592
HYDROCARBON OIL TREATMENT
Seymour W. Ferris, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 18, 1935, Serial No. 31,966
7 Claims. (Cl. 196—13)



1. In a process for extracting a viscous hydrocarbon oil with a selective solvent in an extraction system comprising a mixing zone and a settling zone to form a raffinate phase containing the more paraffinic constituents of the oil and an extract phase containing the more naphthenic constituents thereof, wherein the quantity of selective solvent employed is of the order of from 20% to 70% by volume of the viscous hydrocarbon oil being treated and causes the raffinate phase to form the continuous phase and the extract phase to form the disperse phase, the step of reversing the phase relationship between raffinate and extract phases to enhance the rate of separation of one from the other in said settling zone, which comprises intimately commingling the admixture of raffinate and extract phases in said mixing zone with such additional quantity of extract phase as will cause a reversal of said phase relationship, said added extract phase having substantially the same composition as the extract phase being separated in said settling zone.

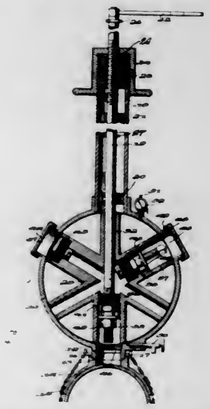
2,151,593
AIR CLEANER
Clarence J. Glanzer, Cleveland, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 6, 1936, Serial No. 89,006
4 Claims. (Cl. 183—15)

3. In a cleaner of the class described, an annular filter element, a central tubular fluid outlet positioned axially of said element, walls forming an annular chamber about said element and forming a liquid bath receiving sump below said element, a liquid bath in said chamber, there being fluid inlet means in said wall structure and above said bath level, there being wall structure for guiding fluid from said element to said outlet



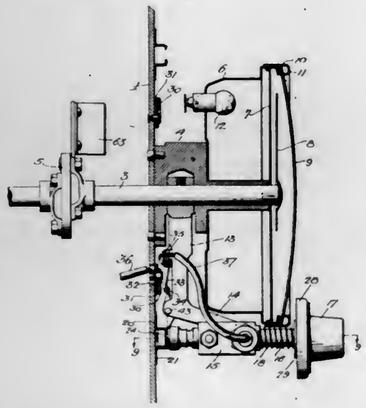
including a wall opposite the end of said tubular outlet, there being an outlet opening through said wall substantially axially alined with said tubular outlet, and normally closed valve means closing said opening and constructed and positioned to be opened by jet action of fluid in reverse flow through said tubular outlet.

2,151,594
TAPPING MACHINE
Andrew Grantham, White Plains, N. Y.
Application December 3, 1936, Serial No. 114,069
17 Claims. (Cl. 77—39)



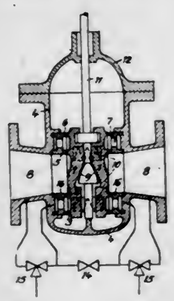
1. A pipe tapping machine comprising a sealed casing, an opening in the periphery of the casing, a spindle supporting member at the side of the casing opposite said opening, an operating spindle extending diametrically of the casing in alignment with said opening supported by said spindle supporting member for lengthwise and rotating movement, a rotor in the casing rotatable about an axis transverse to the spindle, means for rotating said rotor, a plurality of intersecting diametrical bores in the rotor adapted to be selectively brought into alignment with the spindle and casing opening upon rotation of the rotor, the respective bores having a restricted portion adapted to closely embrace and support the operating spindle and having a portion of larger diameter at the casing opening end of the bore adapted to support an instrumentality for engagement by the spindle.

2,151,595
TUNING DEVICE FOR RADIO RECEIVERS OR THE LIKE
William H. Grimditch, Rydal, John M. Bowman, Philadelphia, and Leo B. Glaser, Drexel Hill, Pa., assignors to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 23, 1937, Serial No. 138,642
17 Claims. (Cl. 250—20)



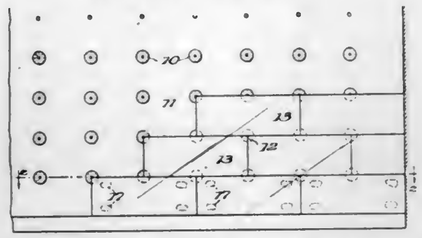
17. In a tuning device for a radio receiver or the like, a plurality of selectable elements, a manually rotatable and axially movable member adapted to selectively engage one of said elements to thereby effect tuning adjustment, a stationary member having an annular frictional surface, and a friction member carried by and movable axially along said first member into engagement with said surface to effect fine tuning adjustment.

2,151,596
VALVE
Kurt Halle, Berlin-Zehlendorf-West, Germany, assignor to Dinglerwerke Aktiengesellschaft, Zweibrucken, (Pfalz), Germany
Application August 14, 1937, Serial No. 159,188
In Germany August 28, 1936
2 Claims. (Cl. 251—167)



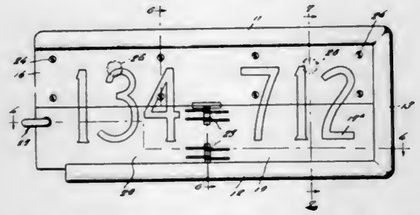
1. A valve comprising a closure member made in two parts and movable in a fixed casing, a plurality of sealing surfaces on each of said parts, a plurality of similar sealing surfaces on said casing with which said former sealing surfaces coact to form closed chambers and means between said parts for pressing the sealing surfaces on said parts against the sealing surfaces on the casing and drain pipes connected to each of said closed chambers.

2,151,597
INSTALLATION OF STRUCTURAL GLASS
Don A. Hamilton, Salt Lake City, Utah
Application May 20, 1938, Serial No. 209,143
5 Claims. (Cl. 72—18)



1. The method of installing plates of structural glass and like materials to a surface to be covered thereby which consists in securing a plurality of perforated mastic retainers to said surface with said retainers positioned in a common plane, filling said retainers with a quick-setting mastic under sufficient pressure to exude portions of the mastic through said perforations, and applying the structural material to the mastic-filled retainers.

2,151,598
THEFTPROOF LICENSE PLATE AND HOLDER THEREFOR
Karl W. House, Oatman, Ariz.
Application May 11, 1937, Serial No. 142,026
Renewed August 17, 1938
5 Claims. (Cl. 40—2.2)

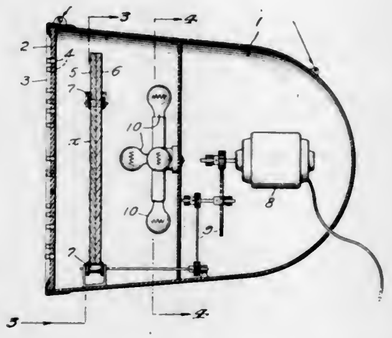


1. In a construction of the class described, a license plate holder comprising a backing plate and a marginal retaining rim, a license plate composed of upper and lower companion half-sections, the upper half-section being rigidly fitted into the rim, the lower half-section being slidably mounted in said rim, said lower section being formed of hingedly connected complemental portions in the manner and for the purposes described.

2,151,599
ELECTROLYTIC PRODUCTION OF METALS
Gustav Jaeger, Neu-Isenburg, Germany, assignor to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
Application November 24, 1936, Serial No. 112,615
In Germany December 12, 1935
6 Claims. (Cl. 204—19)

1. In a process for the production of metals by the electrolysis of molten metal salts wherein the metals are deposited on the cathode in a substantially non-coherent form, the improvement which comprises carrying through the electrolysis in a plurality of vessels by first effecting such electrolysis in one vessel, then after deposition of a substantial quantity of metal but before the deposited metal may cause bridging and other electrolytic disturbances transferring the molten electrolyte to another vessel before any substantial cooling may take place where it is further electrolyzed, recovering the metal left in said first mentioned vessel, and then transferring the molten electrolyte after a substantial quantity of metal has been deposited in said second mentioned vessel but before the deposited metal may cause bridging and other electrolytic disturbances, to another vessel before any substantial cooling may take place, where the electrolysis is continued.

2,151,600
DISPLAY APPARATUS
Otto Janzen, Berlin Hermsdorf, Germany, assignor of one-third to Pollopas Patents Ltd., London, England, a company of Great Britain, and two-thirds to Walter Agulnik, Berlin-Dahlem, Germany
Application December 23, 1935, Serial No. 55,821
In Germany December 24, 1934
3 Claims. (Cl. 40—133)



2. Display apparatus comprising a casing, a source of light within the same, a display surface allowing light to pass through the same at least in part, a rotatable disc of solid material allowing light to pass therethrough, said disc being substantially parallel to said surface, a motor within said casing and means associated therewith for rotating said disc, the face of said disc adjacent to said surface being uneven to provide irregular refraction and the opposite face being relatively smooth, and a multi-colored rotatable disc allowing light to pass therethrough interposed between said source of light and said first mentioned disc.

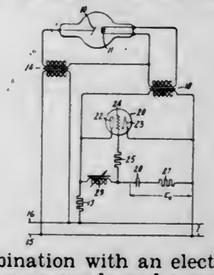
2,151,601
GLOBE
William E. Johnson, Chicago, Ill., assignor to Rand McNally & Company, a corporation of Illinois
Application December 21, 1936, Serial No. 117,049
8 Claims. (Cl. 35—46)

1. A celestial globe of the character described, including: a band printed on and extending around the surface of the globe and having the ecliptic as the center line thereof, said band having an erasable surface extending substantially



9° on each side of said ecliptic and being ruled in cross-section with respect thereto.

2,151,602
X-RAY APPARATUS
William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 13, 1936, Serial No. 110,632
17 Claims. (Cl. 250—103)

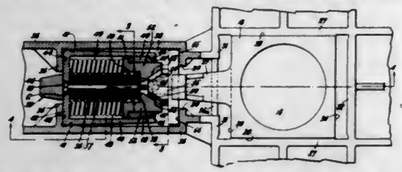


1. In combination with an electrical discharge tube including an anode and a separately heated cathode, means for energizing the tube, a source of alternating potential for supplying heating current to the cathode, an intermittently conductive device adapted to be rendered conductive during controllable periods of each cycle of alternation of said potential and effective during its conductive periods to modify the flow of heating current to said cathode, a control element operable, when energized by a control potential, to render said device conductive, and means for impressing on said control element an alternating control potential derived from said supply source, said last-named means being responsive to variations in magnitude of the supply source potential to produce compensatory variations in the phase relation between said supply source potential and said control potential.

2,151,603
CENTER PLATE CUSHIONING DEVICE
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 23, 1937, Serial No. 170,631
3 Claims. (Cl. 105—199)

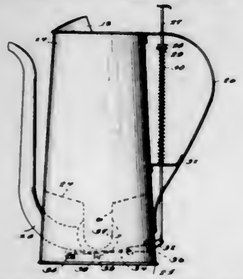
3. A railway vehicle having a supporting frame, a center plate arranged to support said vehicle on said supporting frame, a retaining pocket in said supporting frame, a shank secured to said

center plate and having a yoke extending within said pocket, and means including a friction buffing device extending between the sides of said



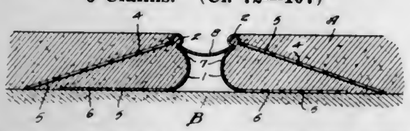
yoke and adapted to cooperate with said retaining pocket for resisting movement of said center plate.

2,151,604
OIL DISPENSING CONTAINER
James I. Kushima, Ewa, Territory of Hawaii
Application June 14, 1938, Serial No. 213,725
2 Claims. (Cl. 221—19)



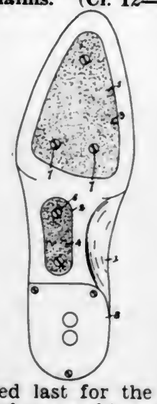
1. A dispensing container comprising a container having a bottom provided with an outlet elbow, a stationary valve disk secured to the end of said elbow, a rotatable valve disk, a bolt pivotally connecting said valve disks together, a chamber attached to said rotatable disk in alinement with said elbow, said valve disks having registerable openings for establishing communication between said elbow and chamber, a spout extending from the side of said chamber and projecting from said container adapted to swing in a vertical plane, a rod mounted to reciprocate outside of said container, a rock lever pivotally mounted in the lower end of said container having one end connected to said rod, a connecting link joining the opposite end of said lever to said spout, whereby downward movement of said rod causes said spout to swing downwardly, and a spring mounted on said rod normally urging said rod upwardly.

2,151,605
EXPANSION JOINT FOR PLASTIC WALL SECTIONS
Harry D. Lavering, Venice, Calif.
Application April 11, 1938, Serial No. 201,387
6 Claims. (Cl. 72—107)



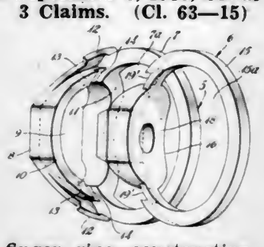
1. An expansion joint for plastic wall sections comprising companion joint members including wings to be fixed in spaced end portions of adjacent wall sections for disposal of the members in spaced relation to each other, and resilient means for bridging said sections and detachably connected thereto.

2,151,606
LAST FOR THE MANUFACTURE OF BOOTS OR THE LIKE
Giovanni Lovaglio, Paris, France
Application April 7, 1937, Serial No. 135,566
In France May 9, 1936
2 Claims. (Cl. 12—140)



1. An improved last for the manufacture of footwear by hand or machine comprising a metallic last body, said body having a recess formed in its bottom face, said body also having a channel formed in the bottom face along the edge of said recess, a non-metallic plate seated within said channel and across said recess, bosses formed upon one of the walls forming said recess for supporting said plate and means detachably connecting said plate to said bosses.

2,151,607
RING
Edwin M. Lovell, Topeka, Kans.
Application September 6, 1938, Serial No. 228,655
3 Claims. (Cl. 63—15)

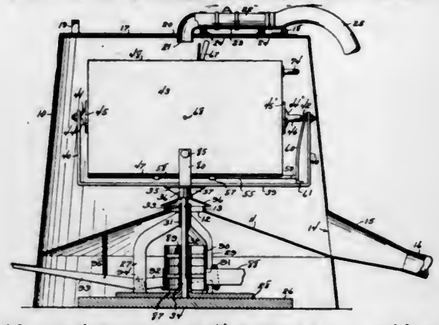


1. In a finger ring construction, a pair of abutting ring bands defining registering finger openings, one of said bands fashioned with a mounting formed with an aperture and provided with an underface formed with oppositely disposed seats and notched rib sections, the other of said bands formed with a mounting fitting within said aperture, said last mentioned band adjacent the mounting thereof formed with notches receiving said notched rib sections in a manner to effect seating of said last mentioned band within said seats to preclude relative axial and rotary movement of said bands.

2,151,608
SHINGLE STAINING MACHINE
Frank G. Maess, Tonawanda, N. Y.
Application July 18, 1938, Serial No. 219,905
9 Claims. (Cl. 91—42)

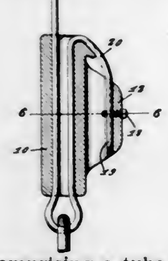
1. A shingle treating machine of the character described, comprising a horizontal supporting frame mounted to rotate about a vertical axis,

a treating tank having trunnions at its opposite ends journaled on said supporting frame so that the tank is supported rotatably about a horizontal axis, said tank having an open side disposed at the top in a vertical receiving position of the tank, the opposed side of the tank constituting the bottom in such position of the tank having a plurality of openings therein, closure means for



said openings, cooperative means on said supporting frame for moving and holding said closure means in closing relation to said bottom openings when the tank is in vertical receiving position and for moving said closure means to uncover the openings when the tank is rotated on its trunnions to a horizontal position on the supporting frame, and means for releasably holding a bundle of shingles in said tank.

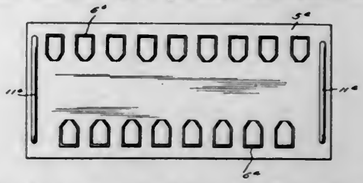
2,151,609
FASTENER
Fred Menderman, Miami, Fla., assignor of one-third to C. M. Marlow, Miami, Fla.
Application October 25, 1938, Serial No. 236,939
2 Claims. (Cl. 24—129)



1. A fastener comprising a tube adapted to receive a looped wire, a U-shaped lip at the upper end of the tube upon which the free end of the looped wire is adapted to be bent downwardly along the exterior of the tube, and a catch of substantially U-form in cross section disposed on the side of the tube and forming an integral part of the tube, one side of the catch being connected to the tube and the edge of the other side of the catch being spaced from the tube to provide an entrance to the catch for said bent free end of the wire, the upper end of the catch being spaced downwardly from the U-shaped lip of the tube and the lip inclining radially beyond the tube and curving downwardly in the direction of the upper end of the catch.

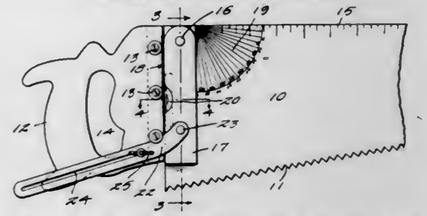
2,151,610
HYPODERMIC SYRINGE HOLDER
Samuel W. Moore, Greensburg, Ky.
Application February 7, 1938, Serial No. 189,243
1 Claim. (Cl. 206—43)

A holder for hypodermic needles having rear end couplings, said holder comprising a rectangular base, a row of upstanding tubes extending along each side of said base for receiving the couplings of said needles, said tubes being slotted vertically on opposite sides thereof to accommodate the needles and permit extension thereof



from the tubes selectively outwardly or inwardly of said base, the tubes in one row being staggered relative to those in the other to provide for disposing needles in the respective rows of tubes in side by side relation in the inwardly extending position thereof.

2,151,611
GAUGE
Isaac T. Morris, Vancouver, British Columbia, Canada
Application April 7, 1938, Serial No. 200,797
2 Claims. (Cl. 33—75)

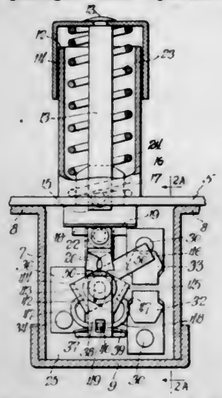


1. A tool of the class described having a blade and a handle extending therefrom, said blade having a straight edge, a miter block pivoted to the blade inwardly of said edge and normally disposed against the adjacent end of the handle, the outer face of the block being in the same plane as the adjacent face of the handle, said handle having a hand hole therethrough, rearwardly extending link means disposed against said faces and pivoted to the block and operable to adjust the block and having a portion disposed relatively close to the lower extremity of the hand hole for the purpose specified, and clamping means on the handle engageable with the link and constraining it to disposition in the position mentioned.

2,151,612
SWITCH
Marion W. Morris, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Application May 10, 1935, Serial No. 20,821
5 Claims. (Cl. 200—67)

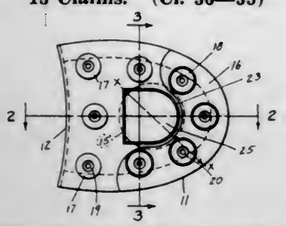
1. In a foot actuated dimmer switch for motor vehicles, the combination of a plunger, resilient means normally holding said plunger in raised position, switch apparatus comprising movable contact means adapted upon one downstroke of said plunger to be moved into position to control one circuit and adapted upon the next downstroke of said plunger to be moved into position to control another circuit, and toggle mechanism actuated by said plunger for effecting movement of said movable contact means, said toggle mechanism comprising a toggle member pivotally

mounted on a knuckle pivot, spring means transmitting spring pressure to said toggle member along a line of action extending transversely to the axis of said knuckle pivot whereby to cause rotation of said toggle member about said pivot, and two relatively movable shifter devices carried by said plunger and operative upon one



downstroke of the plunger to relatively position the parts of the toggle mechanism with the axis of said knuckle pivot to one side of the line of action of said spring means, and operative upon the next downstroke of the plunger to relatively position the parts with the axis of said knuckle pivot to the other side of the line of action of said spring means.

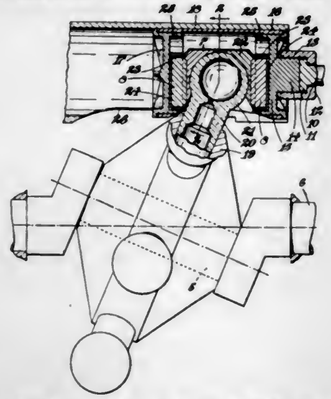
2,151,613
RUBBER HEEL
Albert L. Murray, Auburn, Ind.
Application May 21, 1938, Serial No. 209,259
13 Claims. (Cl. 36—35)



1. A rubber heel including in integral relation a main body portion, an abutment upon the tread face thereof and positioned at the back thereof, tread buttons upon the tread face and of substantially the same height as the abutment and spaced apart and from the abutment for non-rocking bearing contact, and a central cushion portion enveloped by said buttons and abutment and having a portion of its outer surface substantially coplanar with that of the buttons and abutment.

2,151,614
SWASH PLATE TYPE ENGINE
Christopher George Nevatt and Francis West Shearer, Bristol, England, assignors to Nevatt Axial Engines Limited, Bristol, England, a British company
Application September 17, 1937, Serial No. 164,416
In Great Britain September 24, 1936
9 Claims. (Cl. 74—60)

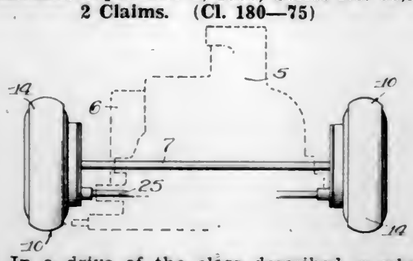
1. A swash-plate engine comprising an engine-shaft having an inclined crank-pin, a swash-member mounted on said crank-pin, a number of connecting-rods for the engine pistons, articulately connected to said swash-member, a guide extending in a direction along the engine-shaft, a part movable along said guide, a universal joint between said guided parts and the swash-member, a loose connection between two relatively movable parts of said joint, which loose connection comprises a circular part, within an encir-



cling guide-surface, of such shape that the path of movement of the point of contact between those parts as viewed along a line parallel with the axis of the engine, is a circle having the equation

$$y^2+\left[z+\frac{R(\cos\alpha+1)}{2}\right]^2=\left[\frac{R(1-\cos\alpha)}{2}+K\right]^2$$

2,151,615
DRIVE MEANS FOR POWER LAWN MOWERS
Elbert R. Potter, Chicago, Ill., assignor to Mohawk Equipment Corporation (III), Chicago, Ill.
Application September 1, 1936, Serial No. 98,969
2 Claims. (Cl. 180—75)

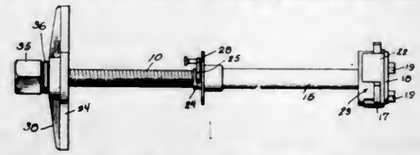


1. In a drive of the class described, a wheel adapted to rotate on a spindle, said wheel having side plates with a rim, a tire on said rim, an internal gear having a laterally offset portion and an annular portion fitted against one side plate, clamping means passed through said plates and annular portion to clamp the plates together against the tire and to fix the gear thereto against an inner annular portion of the wheel, and a drive shaft having a pinion engaged in the gear.

2,151,616
LINER PULLER
William A. Redell and John M. Wiley, Arkansas City, Kans., assignors to The Farley Machine Works Co., Arkansas City, Kans., a corporation of Kansas
Application January 3, 1938, Serial No. 183,184
2 Claims. (Cl. 29—88.2)

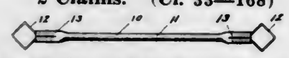
1. A liner puller comprising a mandrel, a body in which the lower end of the mandrel is swiveled, a sleeve on the mandrel attached to the body, said sleeve having a circumferential slot, an arm movable in the slot and secured to the mandrel

for turning the same, means for holding the arm in different positions of adjustment, jaws slidable radially in the body, said jaws having diagonal slots near their inner ends, projections on the



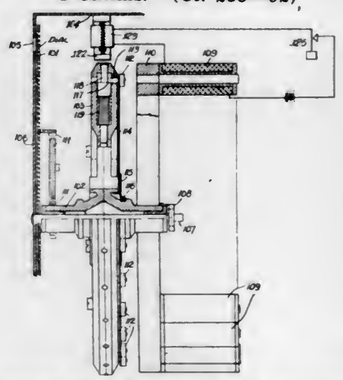
mandrel extending into said slots acting on the camming edges of the slots to project and retract the jaws as the mandrel is rotated, and means for exerting a pull on the mandrel longitudinally thereof.

2,151,617
FIXED DIMENSION GAUGE
Norton L. Richards, Chicago, Ill.
Application May 12, 1937, Serial No. 142,233
2 Claims. (Cl. 33—168)



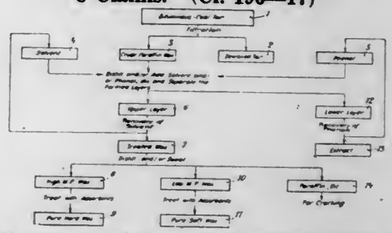
1. A gauge for checking clearances between parallel surfaces, including in combination, a suitable handle, and rigidly affixed to said suitable handle a formed, fixed closed loop wire gauging member having a hollow open center and generally protruding from the handle in the shape of an extended geometric figure having a plurality of cylindrical surfaces.

2,151,618
REGISTERING DEVICE
Charles Edward Ross and Thomas Edgar Perks, London, England
Application February 1, 1938, Serial No. 188,155
In Great Britain December 17, 1936
4 Claims. (Cl. 235—92)



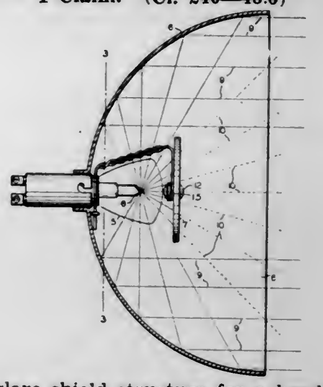
1. A device for indicating the progressive totals of numbers added or subtracted in succession, comprising a rotatable dial member, means for rotating said member, a number of circumferential stop members carried by the rotatable member, a spring associated with each stop member for moving it to an operative projected position, retaining means for normally retaining the stop members in their inoperative positions, fixed setting means for selectively releasing the stop members from the retaining means, an abutment member normally in position in the path traversed by the stop pins, means for moving said abutment, and means for returning the stop members to their inoperative positions.

2,151,619
PROCESS FOR OBTAINING PURE PARAFFIN
Friedrich Schick, Berlin-Schoneberg, Germany, assignor to the firm Deutsche Erdol-Aktiengesellschaft, Berlin-Schoneberg, Germany
Application August 4, 1936, Serial No. 94,289
In Germany August 8, 1935
8 Claims. (Cl. 196—17)



1. A process of preparing substantially pure paraffin wax which has a relatively high melting point and which is odorless and colorless, comprising treating crude paraffin wax obtained from bituminous tar with phenols of low boiling point, removing the phenol together with the impurities dissolved therein from the paraffin wax, then sweating the thus treated paraffin wax and finally decolorizing the paraffin wax with an adsorbent carbon.

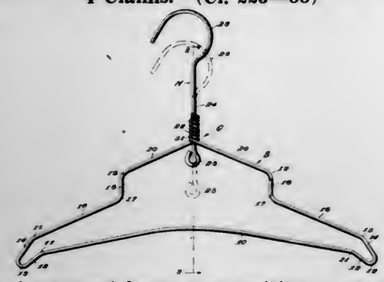
2,151,620
GLARE SHIELD FOR HEADLIGHTS
Frank Schuch, Knoxville, Tenn.
Application March 11, 1937, Serial No. 130,398
1 Claim. (Cl. 240—48.6)



In a glare shield structure for a headlight of that type having a reflector and a lamp axially of the latter, said structure including an axially apertured translucent disc-like flat shield adapted to be positioned forwardly of and having its aperture aligned with the axis of the lamp, said shield being so formed and arranged to make it adaptable, without substantially impeding the light rays passing from the lamp to the reflector and to reduce intensity of those rays which emerge from the light without being reflected, a pair of resilient suspension arms for the shield having depending rear end portions adapted to be positioned intermediate their ends against and grip opposite sides of and extended from the lamp base, outwardly inclined intermediate portions twisted together throughout adapted to be disposed lengthwise of and in spaced relation to the top of the lamp and depending straight front end portions adapted to be positioned at the front of the lamp in abutting relation with the rear of said disc, said rear end portions at their lower

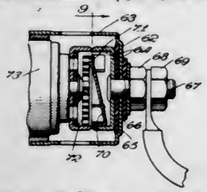
ends having inherent coacting parts for latching said arms to the lamp base, said front end portions having inherent coacting parts at their lower ends merging into each other providing a closed loop surrounding the inner end of the aperture in the disc, means extending through said aperture and loop for securing the disc to said arms, said means being spaced from said lamp, and said shield having its front and rear faces free of inherent interruptions from said means to the outer edge thereof.

2,151,621
GARMENT HANGER
Irving Silverman, Hackensack, N. J.
Application May 21, 1937, Serial No. 144,109
4 Claims. (Cl. 223—88)



1. A garment hanger comprising a supporting member and a suspension member, the supporting member having a bore whose wall is yieldable, and the suspension member comprising an elongated shank frictionally engaged within said bore for rotary and axial movement therein.

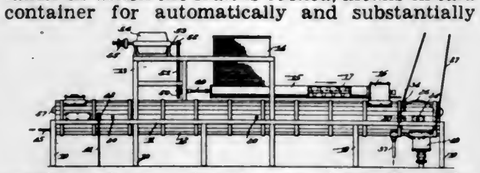
2,151,622
CIGAR LIGHTER
John Sinko, Chicago, Ill.
Application March 27, 1936, Serial No. 71,299
16 Claims. (Cl. 219—32)



5. In a cigar lighter: an elongated socket member having a shell adapted to provide one electrical terminal for an igniter plug, and having a base terminal member insulated from said shell terminal; a withdrawable igniter plug having a heating element adapted to be connected in series with said terminals; and a thermostat in said socket member adapted initially to make direct electrical contact with said heating element to short circuit a portion of the element from a series connection with the terminals.

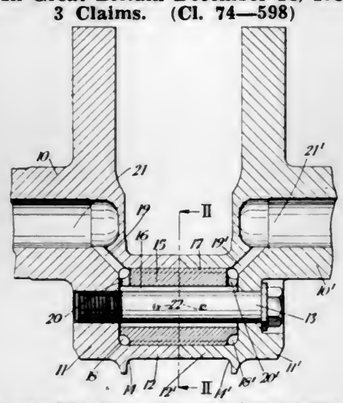
2,151,623
APPARATUS FOR MAKING FRUIT PRODUCTS
William A. Smith, Lyndonville, N. Y.
Original application June 23, 1937, Serial No. 149,933, now Patent No. 2,135,629, dated November 8, 1938. Divided and this application July 29, 1938, Serial No. 222,005
14 Claims. (Cl. 53—18)

13. An apparatus for making a cooked fruit product comprising the combination of a container in which the fruit is cooked, means in said container for automatically and substantially



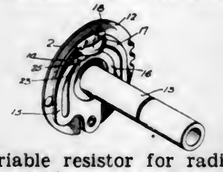
continuously removing excess moisture from the fruit as it is cooked, and means for cooking the fruit in the container.

2,151,624
BUILT-UP CRANKSHAFT
George Thomas Smith-Clarke, Coventry, England
Application March 8, 1938, Serial No. 194,645
In Great Britain December 14, 1937
3 Claims. (Cl. 74—598)



3. A crankshaft part comprising arms having separable tubular pin parts, a unitary sleeve extending in common substantially the full length of the two pin parts when assembled end to end, said sleeve fitting on its outer side against the internal surfaces of the two pin portions, said sleeve and pin portions having interlocking engagement along their meeting faces, and means to hold the two pin parts together on said sleeve.

2,151,625
VARIABLE RESISTOR
Elmer O. Thompson, Beverly, N. J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 6, 1936, Serial No. 67,531
6 Claims. (Cl. 201—55)



1. In a variable resistor for radio apparatus and the like, a stationary part comprising a substantially annular resistance element of the carbon surface type, and a rotatable part comprising an electrically conductive element, a contact shoe loosely carried by said rotatable part free of direct attachment thereto, resilient means on said rotatable part for pressing said shoe into engagement with said annular surface to cause the shoe to ride on said surface during rotation of

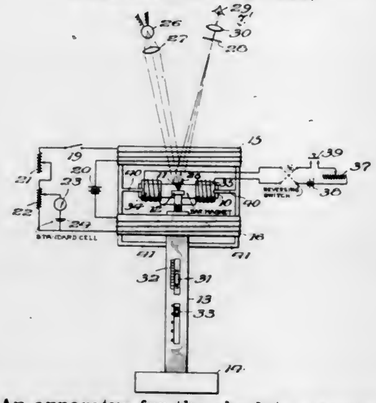
the rotatable part, and a flexible electrical connection between said shoe and said conductive element and positively connected to both the shoe and said conductive element for preventing noise in said radio apparatus incident to the loose mounting of said shoe while maintaining a floating mounting of the shoe.

2,151,626
SWITCH HANDLE
Fred H. Travers, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application June 9, 1938, Serial No. 212,745
4 Claims. (Cl. 287—53)



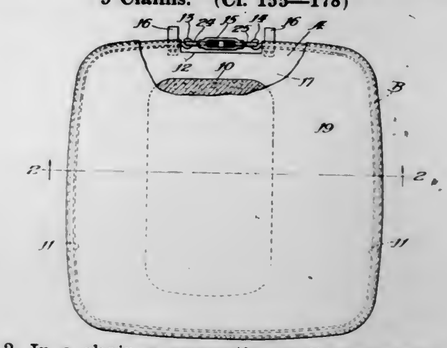
1. A handle comprising a body of resilient material having a cavity therein adapted to receive a member to be operated by said handle, a plurality of elements secured to said body and disposed in spaced relationship in said cavity, one of said elements having means for engaging a portion of said member to prevent relative rotational movement between said handle and said member, the other of said elements having means adapted to be secured to the end of said member to compress a portion of said body of resilient material between said members as said handle is mounted on said member whereby said compressed portion may return to normal position to cause said engaging means to engage a portion of said member.

2,151,627
APPARATUS FOR AND METHOD OF MEASURING THE TERRESTRIAL MAGNETIC FIELD
Victor V. Vacquier, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1938, Serial No. 237,590
5 Claims. (Cl. 175—182)



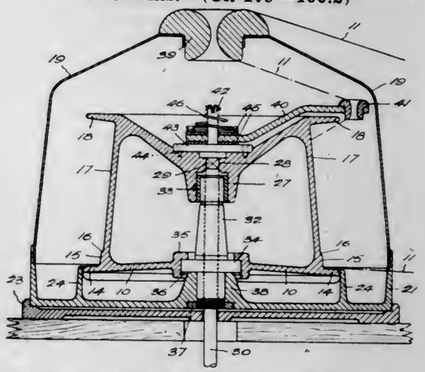
1. An apparatus for the absolute measurement on the null principle of the vertical intensity of the terrestrial magnetic field comprising in combination a magnet, supporting means for the magnet constructed and arranged to allow it to tip up and down but preventing movement thereof in other directions, means for applying a uniform magnetic field in the vicinity of the magnet of intensity sufficient to substantially neutralize the effect of the terrestrial magnetic field on the magnet, means for measuring the intensity of said applied magnetic field, and means for reversing the polarity of the magnet at will.

2,151,628
CHAIR SEAT
Clarence A. Van Derveer, Chicago, Ill., assignor, by mesne assignments, to S. Karpen & Bros., a corporation of Illinois
Application December 14, 1936, Serial No. 115,872
5 Claims. (Cl. 155—178)



2. In a chair, a supporting unit comprising a frame having about its peripheral edge an outwardly opening groove and containing a recess inwardly of its edge, a resilient band extending about the periphery of said frame and disposed in said groove, a sheet of flexible fabric substantially coextensive in size with said frame and having its edge portion rolled about said band, and means disposed in said recess and attached to the ends of said band for drawing said band taut against the bottom of said groove.

2,151,629
MACHINE FOR RECORDING AND REPRODUCING SOUND MAGNETICALLY
Lionel Selby Wallis, Knowle, England
Application January 8, 1938, Serial No. 184,055
In Great Britain January 9, 1937
14 Claims. (Cl. 179—100.2)



1. The combination in a machine for recording and reproducing sound magnetically by means of a magnetically energized wire, of a driven drum having a relatively short wire-receiving part on to which the wire is wound and having an abruptly stepped reduction in diameter between

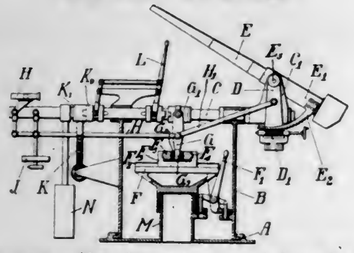
this wire receiving part and a body part around which the wire forms in a loose coil, said body part tapering away from said step or change of diameter.

2,151,630

GUN HAVING MEANS FOR DIRECTLY CANTING THE TRUNNION AXIS

Carl Waninger, Dusseldorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany

Application March 3, 1936, Serial No. 66,949
In Germany May 23, 1933
1 Claim. (Cl. 89—41)



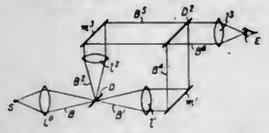
A gun mounting for use on unstable platforms, ships, and the like, comprising a base fixed on the platform, a carriage member pivotable on said base about a vertical axis, means for supporting a gun including trunnions, a horizon adjustment shaft mounted in said carriage, connections between the shaft and said gun supporting means for imparting canting movements to the axis of said trunnions by turning said shaft, a double slide movably mounted on said base, means engaging said slide for actuating the horizon adjustment shaft, said actuating means engaging said shaft at the intersection of the axis of the latter with the aforesaid vertical axis and said slide being subject to movements depending on the shifting of said base relatively to the horizon, means for coupling the double slide with said base, means for coupling the double slide with said pivotable member, and means for selectively operating said coupling means to engage one of them while disengaging the other.

2,151,631

OPTICAL INTERFEROMETER

William Ewart Williams, Hampstead, London, England

Application May 4, 1937, Serial No. 140,709
In Great Britain May 7, 1936
1 Claim. (Cl. 88—14)



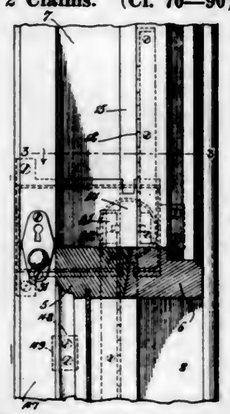
An optical interferometer comprising a partially reflecting and partially transmitting dividing surface, means for converging a beam of light substantially to a point on said dividing surface, a partially reflecting and partially transmitting recombining surface, means for reflecting on to one side of the recombining surface the divergent beam of light transmitted through said dividing surface, means for reflecting on to the other side of said recombining surface the divergent beam of light reflected by said dividing surface, the reflecting means and said recombining surface being so disposed that the paths of the rays transmitted by and reflected from the recombining surface are coincident, and means for forming an image of the recombination effects from said recombining surface.

2,151,632

WINDOW SASH LOCK

Alexander Zebrowski, Stamford, Conn.

Application October 29, 1937, Serial No. 171,777
2 Claims. (Cl. 70—90)



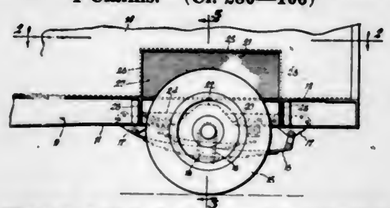
1. A window sash lock for upper and lower sliding sashes, each having a channel member positioned in the guide channels of the window frame, each of said channel members being closed at each end and having a toothed longitudinal edge, said sash lock comprising a lock mechanism attached to the frame and embodying a pair of spring retracted main bolts movable into and out of said channel members and engageable with the ends of said members to limit movement of the sash, spring mounted auxiliary bolts extending laterally from the main bolts and movable with the main bolts as a unit, said auxiliary bolts being disposed in the path of the toothed edge of said channel members for securing the sash against movement in one direction within the limitations of said channel members, spring actuated bolt locking means normally held in one position by the retracted bolts and operable to releasably secure the bolts in projected position, a manually depressible member operatively engaged with the main bolts for projecting the same, and key manipulated means for releasing the bolt locking means.

2,151,633

TRAILER OR TRUCK CHASSIS AND BODY

James J. Black, Cincinnati, Ohio, assignor to The Trailer Company of America, Cincinnati, Ohio, a corporation of Delaware

Application April 8, 1937, Serial No. 135,764
4 Claims. (Cl. 280—106)



1. Chassis and body construction comprising, a chassis having side rails and cross rails, the side rails notched out to provide axle clearance, an axle movable in said clearance, springs supporting the side rails on said axle, a vertically disposed plate attached to each side rail and bridging the notched out portion thereof, end plates extending laterally from each end edge of said plate, and a top plate secured to the top edges of the end plate and the vertically disposed bridging plate, said plates forming a wheel housing affording appropriate clearance for vertical movements of the body of the springs.

2,151,634

ARYLAMINO-ARYLOXY-HYDROXY-ANTHRAQUINONES

Edwin C. Buxbaum, Shorewood, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1937, Serial No. 160,827
3 Claims. (Cl. 260—373)

1. Anthraquinone compounds which carry in the molecule one arylamino- radical, at least one —OH group in an alpha position, and an aryloxy- radical in a beta position, which compounds on sulfonation yield acid wool dyestuffs that dye wool in red to violet shades convertible to gray to black shades on chroming.

2,151,635

COMPOUNDS OF THE ANTHRAQUINONE SERIES

William Dettwyler, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 21, 1937, Serial No. 143,925
1 Claim. (Cl. 260—367)

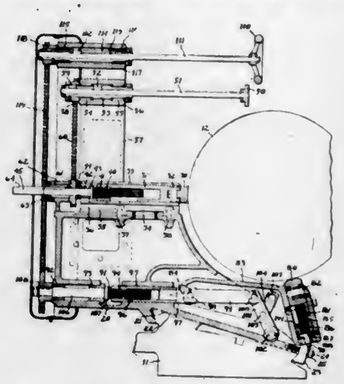
6,6'-dichloro-1,1'-dianthrimide.

2,151,636

GRINDING MACHINE STEADY REST

Carl G. Flygare and Irving A. Taylor, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 20, 1938, Serial No. 220,281
10 Claims. (Cl. 51—238)



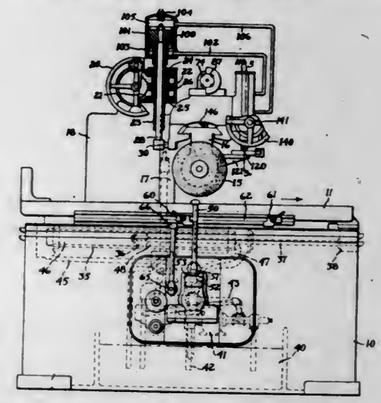
1. In a grinding machine steadyrest having a frame, an adjustable work steadying shoe on said frame, means including a nut and screw to adjust said shoe relative to the frame, and a remote control therefor including a rotatable shaft which is spaced from said screw, a manually operable hand wheel on one end of said shaft, and driving connections between the other end of said shaft and said screw to facilitate adjustment of the shoe.

2,151,637

HYDRAULIC SURFACE GRINDING MACHINE

Carl G. Flygare and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 18, 1938, Serial No. 225,582
5 Claims. (Cl. 51—92)



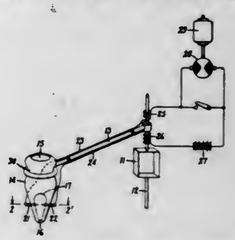
1. In a surface grinding machine, a rotatable grinding wheel, a transversely movable wheel slide, a vertically movable slide to support said transverse slide, a longitudinally reciprocable work supporting table, a separate power operated actuating mechanism for each of said slides and said table, and means including a cam on said wheel slide which actuates the power mechanism for the vertical slide to position the grinding wheel vertically.

2,151,638

RECORDING INSTRUMENT

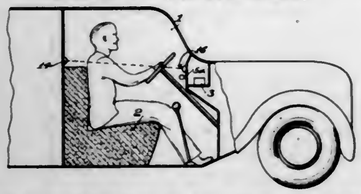
Kurt Genschmer, Berlin-Bohnsdorf, Germany, assignor to General Electric Company, a corporation of New York

Application July 20, 1938, Serial No. 220,403
In Germany July 30, 1937
3 Claims. (Cl. 120—43)



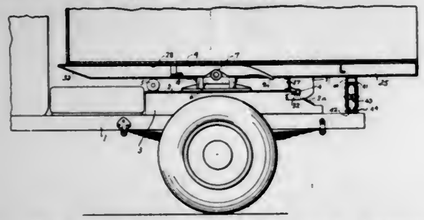
1. A marking arrangement for recording instruments comprising a receptacle for making fluid and a pair of spark electrodes, said receptacle having an annular orifice and having a re-entrant wall forming a hollow space, the inner edge of said annular orifice being set in from the outer edge of said annular orifice and forming an outlet opening for said hollow space, said electrodes extending into said hollow space and forming a spark gap therein.

2,151,639
IGNITION CONTROL FOR MOTOR VEHICLES
Max K. Golden, Detroit, Mich.
Application June 23, 1938, Serial No. 215,490
3 Claims. (Cl. 123—146.5)



1. The combination in an automobile having a seat for the driver, and an ignition circuit; a circuit adapted to break said ignition circuit when energized, a cell in the last named circuit; and a lamp adapted to project a ray of light across the space to be occupied by the driver into said cell to energize the last named circuit.

2,151,640
DEMOUNTABLE VEHICLE BODY
Otto H. Menning, Houston, Tex., assignor to Gordon, Sewall & Co., Houston, Tex., a corporation of Texas
Application October 7, 1937, Serial No. 167,778
8 Claims. (Cl. 296—35)



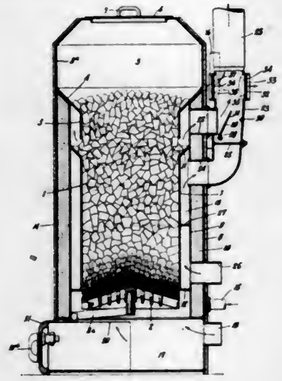
1. The combination with a truck having a frame, of a body removably mounted on the rear end of the frame and means for elevating the body relative to the frame for taking up the slack between the parts connecting the body to the frame.

2,151,641
GREASE BASE AND METHOD OF MAKING
Latimer D. Myers, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application December 21, 1936, Serial No. 116,996
9 Claims. (Cl. 87—9)

9. The method of making an anhydrous body soluble in mineral oil to form a grease therefrom, which method consists in saponifying a major portion of a body of fatty acid to form a substantially anhydrous fatty acid soap and in reacting the remaining minor portion of fatty acid with a body adapted to provide therefrom a reaction component which has at least one free hydroxyl group, which is soluble in mineral oil, which is a solvent for fatty acid soap and which is present in sufficient quantity to render all of the said soap soluble in mineral oil.

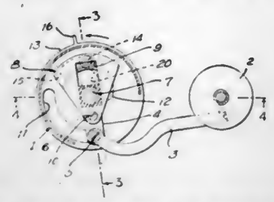
2,151,642
DRAFT CONTROL
Harold J. Rose, Pittsburgh, Pa., assignor to The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,549
10 Claims. (Cl. 122—4)

1. Heating apparatus comprising a fire-pot for burning solid fuel, means for confining a liquid medium to be heated in a position spaced from a wall of said fire-pot and arranged to transfer heat from said fire-pot wall to said confining means principally by radiation, means for admitting air to the space between the fire-pot and said means, and means for conducting heated air from said space to a stack.



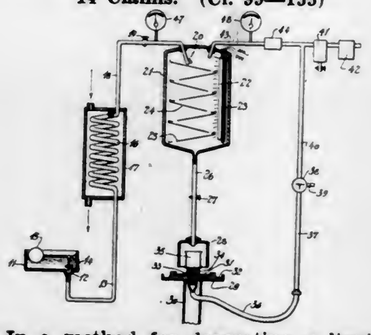
4. A method of maintaining a stack warm and dry to provide efficient natural stack draft for a solid-fuel-burning heater comprising, flowing primary air through a bed of fuel for combustion thereof in said heater, flowing additional air into heat exchanging relation with said fuel but out of contact therewith, passing the products of said combustion and the additional heated air to said stack, and regulating the flow of said products of combustion and heated air to the stack to amounts inversely proportioned to each other so that said heated air supplements the effect on the stack draft of said products of combustion when the flow of the latter is reduced or checked.

2,151,643
FAN
Yoshiteru Shu, Hokumon-cho, Kagi City, Tainan, Taiwan, Japan
Application January 11, 1938, Serial No. 184,472
In Japan January 11, 1937
4 Claims. (Cl. 230—256)



1. In an oscillating fan, the combination with the motor, a fan driven thereby, and a holder pivotally supporting the motor and the fan, of a revolving disk apart from said motor being rotated thereby, a sliding member adapted to be shifted relative to the pivotal axis of the fan, a link operatively connecting said sliding member with said revolving disk, a rotatable disk having a cam-slot operatively associated with said sliding member, and means for turning said rotatable disk in either direction so as to cause the shifting of said sliding member to thereby vary the range of oscillations.

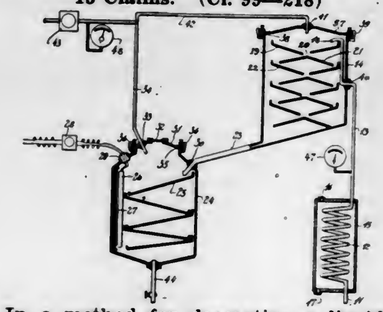
2,151,644
METHOD AND MEANS FOR DEAERATING LIQUID FOOD PRODUCTS
Henry C. Stephens, Orange, Calif., assignor to Natural Food Products Company, Orange, Calif., a corporation of Delaware
Application April 13, 1936, Serial No. 74,173
Renewed September 30, 1938
14 Claims. (Cl. 99—155)



2. In a method for deaerating a liquid food product, the step which consists in continuously introducing the liquid into a vacuum chamber wherein there is maintained a pressure at or below $P=0.02T-0.2$, in which P is the pressure within the chamber in inches of mercury, and T is the temperature Fahrenheit of the liquid, said temperature being below 70°, and therein maintaining the air-containing liquid in a state of substantial surface exposure.

11. In an apparatus for continuously processing liquid food products, the combination of: a liquid reservoir; means for precooling the liquid; a conduit joining these two elements; a vacuum chamber containing means for maintaining the air-containing liquid in a state of substantial surface exposure; a conduit joining the precooling means to the chamber; means for exhausting the chamber to below the critical pressure at which complete simple deaeration of the liquid is possible at its temperature; and an exit conduit from this chamber.

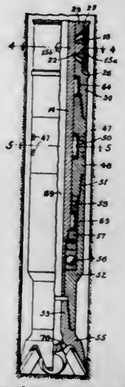
2,151,645
METHOD AND MEANS FOR DEAERATING AND IRRADIATING LIQUID FOOD PRODUCTS
Henry C. Stephens and Stedman B. Hoar, Orange, Calif., assignors to Natural Food Products Company, Orange, Calif., a corporation of Delaware
Application April 13, 1936, Serial No. 74,174
Renewed September 30, 1938
15 Claims. (Cl. 99—218)



4. In a method for deaerating a liquid food product, the steps which consist in continuously introducing the liquid into a vacuum chamber wherein there is maintained a pressure at or below $P=0.02T-0.2$, in which P is the pressure within the chamber in inches of mercury, and T is the temperature Fahrenheit of the liquid, said temperature being below 70°, and said pressure being a vacuum of more than 29 inches of mercury, and therein maintaining the air-containing liquid in a state of substantial surface exposure and, still under vacuum, exposing the thus completely deaerated liquid to ultra-violet irradiation in a second vacuum chamber.

11. In an apparatus for continuously processing liquid food products, the combination of: a liquid reservoir; means for precooling the liquid; a conduit joining these two elements; a vacuum chamber containing means for maintaining the air-containing liquid in a state of substantial surface exposure; a conduit joining the precooling means to the chamber; means for exhausting the chamber to below the critical pressure at which complete simple deaeration of the liquid is possible at its temperature; a second vacuum chamber; an ultra-violet lamp playing upon the interior of the second chamber; a conduit joining the two chambers; and an exit conduit from the second chamber.

2,151,646
SUBSURFACE SPEED-UP DRILLING MECHANISM
Philip Subkow, Los Angeles, and Lyle Dillon, San Gabriel, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application June 28, 1938, Serial No. 216,250
8 Claims. (Cl. 255—1)

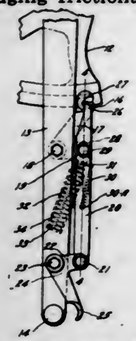


1. Drilling mechanism comprising in combination a drill stem adapted to be rotatably suspended in a borehole, a drill bit at the lower end of said drill stem, a change-speed transmission on said drill stem above said drill bit whereby the said drill bit may be rotated at a speed different from that of the drill stem, an automatic clutch means in said transmission to couple said drill stem directly to said drill bit whereby conventional drilling bit speed is automatically resumed when said change-speed transmission is inoperative.

2,151,647
VALVE ACTUATING MECHANISM
Brian Wheeler, Beloit, Wis., assignor to Heisler Locomotive Works, Erie, Pa., a corporation of Pennsylvania
Application April 14, 1937, Serial No. 136,958
7 Claims. (Cl. 137—139).

1. In a valve actuating mechanism, the combination of a pivoted operating lever; a fixed

quadrant; a setting latch, said quadrant and latch having wedging frictionally engaging sur-



faces of tongue and groove formation; and a locking latch positively locking the operating lever in closed position.

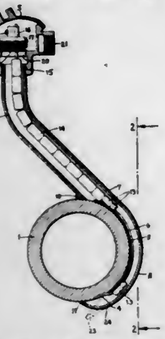
2,151,648

TEMPERATURE MEASURING DEVICE

Albert L. Baker, Summit, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application June 8, 1937, Serial No. 147,047

10 Claims. (Cl. 136—4)



8. A device of the character described adapted for measuring the skin temperature of a tubular member, including a thermocouple wire connected at one end to the exterior surface of said tubular member, a portion of said wire being wrapped around at least a part of said tubular member, heat conducting electrical insulating material between the wrapped portion of said wire and said tubular member for electrically insulating said wire from said tubular member except at said connection between said wire and tubular member, and means for maintaining said wire under tension to maintain the wrapped portion of said wire in contact with said heat conducting electrical insulating material and said tubular member when the device is in use.

2,151,649

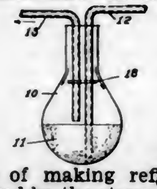
MAKING REFLECTING LAMPS

Clarence Birdseye and Pincus Deren, Gloucester, Mass., assignors to Birdseye Electric Company, Dover, Del., a corporation of Delaware

Application November 9, 1935, Serial No. 49,047

9 Claims. (Cl. 91—69.1)

1. The process of making reflecting electric lamps, which includes the steps of applying to portions of a bulb a masking solution containing components having appreciable vapor pressure under the conditions employed, and withdrawing air from the bulb until the masking medium has solidified therein, thereby preventing condensation on the uncoated inner surface of the bulb.



3. The process of making reflecting electric lamps, characterized by the steps of admitting to and withdrawing from a bulb a hot liquid masking medium comprising an inert wax containing a small proportion of an acidic resin, thus forming a masking film upon portions of the bulb surface, then admitting a silver-depositing solution to the bulb and finally removing the masking film by a hot alkaline solution.

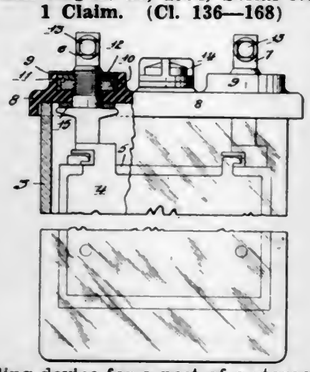
2,151,650

POST SEALING DEVICE FOR STORAGE BATTERY CELLS

Edgar W. Breisch, Lancaster, N. Y., assignor to National Battery Company, St. Paul, Minn., a corporation of Delaware

Application August 29, 1934, Serial No. 741,894

1 Claim. (Cl. 136—168)



A sealing device for a post of a storage battery comprising, a cover perforated to receive said post and formed with an annular recess in its upper surface adjacent to said perforation, said post being threaded and projecting through and above said perforation and recess, a nut for confining said cover on the post and battery threaded on said post in said recess and engaging said cover at the bottom of said recess only, a semi-solid grease in said recess above and at the outer periphery of said nut, a closure for the top of said recess and means for sealing the connection between said post and the bottom surface of said cover adapted to be held under compression by said nut.

2,151,651

STABILIZED ROTENONE COMPOSITIONS

Ludwig J. Christmann, Jersey City, and David W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 18, 1932, Serial No. 643,290

4 Claims. (Cl. 167—24)

1. Rotenone containing a stabilizer selected from a class consisting of aminophenols, dichloraniline, salicylic acid, and anthranilic acids.

2,151,652

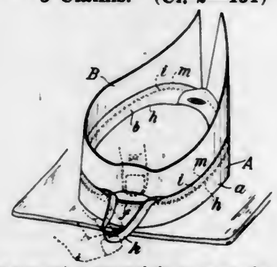
DEVICE FOR ARTICLES OF CLOTHING OR WASHABLE UNDERGARMENTS

Josef Donner, Vienna, Austria, assignor, by mesne assignments, to Dorothy Hoffman-Donner, Vienna, Austria

Application December 1, 1937, Serial No. 177,630

In Austria January 11, 1937

3 Claims. (Cl. 2—131)



1. A garment comprising a main section, removable side sections, marginal portions at the joints of said sections, at least one stitched seam to connect the same, means to tear said seam apart for the removal and replacement of said side sections, the marginal portion of the main section being provided with turned in and secured edges independently of the connecting seam.

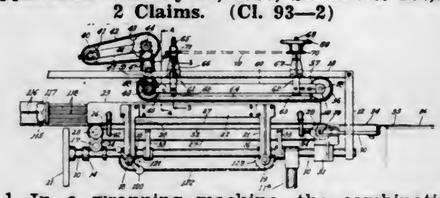
2,151,653

COOLED SEALER FOR WRAPPING MACHINES

Donald M. Fincke, Great Neck, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application January 27, 1937, Serial No. 122,519

2 Claims. (Cl. 93—2)



1. In a wrapping machine, the combination with a cooling unit comprising cooling elements in the form of closed metal tanks adapted to receive a supply of cooling liquid and suitably disposed for direct contact with the ends of heat sealed packages to congeal the heated seals thereof, means relatively remote from said unit for refrigerating a supply of cooling liquid and circulating it through said tanks, a pair of endless traveling belts disposed to admit packages therebetween and coacting to grip the top and bottom thereof and advance them sidewise past said tanks with their ends contacting the latter, a device for relatively moving said belts toward and away from each other to admit packages of various heights therebetween, and mechanism for driving said belts in the various adjusted positions thereof.

2,151,654

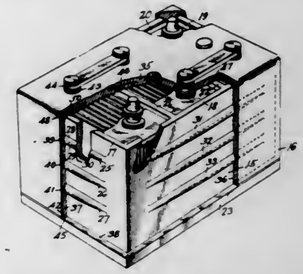
STORAGE BATTERY CASE

Thomas W. Fitzgerald, Brooklyn, N. Y., assignor of one-fourth to Harry Jacobson and three-eighths to Louis Levy, both of New York, N. Y.

Application August 13, 1936, Serial No. 95,810

9 Claims. (Cl. 136—166)

8. In a storage battery, a brittle, rigid, hard rubber member having upright walls, preformed projections triangular in cross-section extending integrally with and at vertically and horizontally spaced intervals from the walls and intermediate the upright corners of said walls, each of said projections having an inclined outermost flat wall, and a second brittle and rigid member having upright walls each provided with recesses adapted to receive said projections when said members are assembled solely by relative vertical movement, at least one of said recesses being below the acid level of the battery, each of said recesses having an inclined flat wall adapted to engage the inclined wall of a projection, said recesses and said projections having interengaging horizontal edges for permanently locking said members together, and the walls of said inner member being of insufficient thickness to serve safely and alone as the walls of the battery.



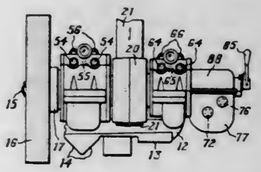
2,151,655

GRINDING WHEEL SPINDLE RECIPROCATING APPARATUS

Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application June 1, 1936, Serial No. 82,764

1 Claim. (Cl. 51—34)



A wheel spindle reciprocating apparatus for a grinding machine comprising a transversely movable wheel slide, a rotatable grinding wheel, a rotatable wheel spindle to support said wheel, anti-friction bearings rotatably to support the opposite ends of said spindle, spaced slidably mounted sleeves to support said bearings, slideways on said sleeves, mating slideways on the wheel slide, adjustable means to hold said bearing sleeves in proper relation with said slideways, and means to reciprocate said bearing sleeves longitudinally relative to the wheel slide so as to transmit an axial reciprocating movement to the grinding wheel for a grinding operation.

2,151,656

CHOKE FITTING FOR STEAM HEAT PIPES

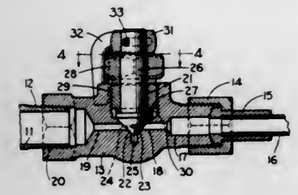
Bengt E. Folke, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York

Application December 11, 1937, Serial No. 179,292

1 Claim. (Cl. 138—45)

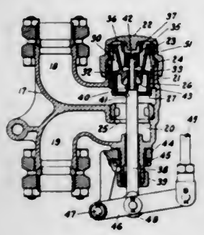
In a choke fitting for a steam heat pipe com-

prising a body having a port in register with the said pipe, a valve member having a head seating within the body and having a plurality of different sized ducts adapted to be brought selectively in register with the said port, means for indicating the selected positions of said ducts comprising a rigid indicator arm fastened to the said valve member exteriorly of the body in fixed



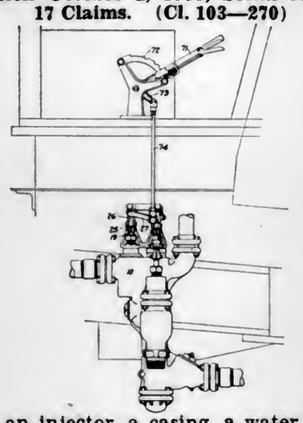
relation to the said ducts, locking recesses on the exterior of the body for receiving said arm, and a gland to lock the said valve member and indicator arm in a selected position with the said arm held fixedly in one of the recesses, the said gland, member and indicator arm being removable as a unit by raising the gland until the indicator arm becomes disengaged from its recess.

2,151,657
VALVE
Bengt E. Folke, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application January 17, 1938, Serial No. 185,307
2 Claims. (Cl. 277—36)



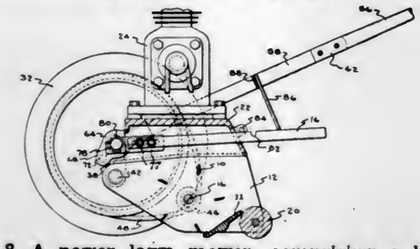
1. In a valve structure, a casing having an inlet passage, an outlet passage and a main valve opening therebetween, a guide sleeve in the casing projecting into the inlet passage, a main valve slidably disposed within the guide sleeve and being adapted to close the said opening, a cap in alignment with the said sleeve and main valve for inserting the sleeve and main valve into and closing the casing, the said valve having walls slidably engaging the top and bottom of the said sleeve forming a balance chamber with the said sleeve and cap and having a pilot valve opening in its center, a pilot valve loosely disposed within the said balance chamber and independently of the said main valve adapted to close the said pilot valve opening, the said balance chamber having a restricted inlet of less area than the said pilot valve opening, and a valve stem independent of the said pilot valve adapted to contact with its end the said pilot valve to open the same and having a shoulder adapted to contact the said main valve to lift the main valve off its seat after the said pilot valve has been opened, the said pilot valve being removable from the said casing upon removal of the said cap.

2,151,658
INJECTOR
Bengt E. Folke, Mamaroneck, N. Y., assignor to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application October 1, 1938, Serial No. 232,720
17 Claims. (Cl. 103—270)



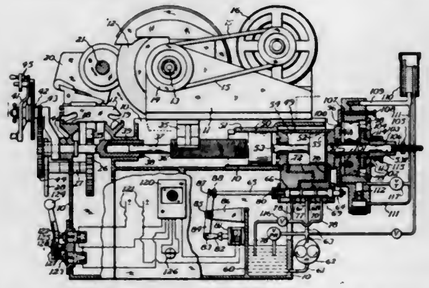
1. In an injector, a casing, a water valve and a main steam valve secured in laterally spaced relation in said casing and independently removable therefrom, an operating lever connected to open both valves, and mechanical means between the said lever and steam valve to cause the steam valve to open, independent of steam pressure in the injector, after the water valve has been opened.

2,151,659
POWER LAWN MOWER
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man", Inc., Jackson, Mich., a corporation of Michigan
Application February 23, 1938, Serial No. 191,913
8 Claims. (Cl. 56—26)



8. A power lawn mower, comprising a body structure, cutting mechanism supported in said body structure, traction wheels for supporting and propelling said body structure over the ground, a prime mover supported on said body structure, driving mechanism between said prime mover and traction wheels, a steering handle pivoted at its lower end to said body structure, means for rendering said driving connection operative and inoperative to selectively drive said traction wheels from said prime mover, said means being entirely disconnected from said handle and having the operating parts thereof spaced from said handle except at the time of extreme pivotal movement of said handle beyond that required for steering purposes, and a portion upon said handle engaging with said means with said handle in its extreme pivoted position for shifting said means into a position rendering said driving mechanism operative to drive said traction wheels, all parts of said handle following shifting of said means being out of influencing relation with said means upon return movement to the range required for steering purposes.

2,151,660
ELECTRICALLY CONTROLLED HYDRAULIC WHEEL FEEDING MECHANISM
Bernhard H. Goehring, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 6, 1938, Serial No. 200,493
5 Claims. (Cl. 51—95)



1. In a grinding machine, a rotatable grinding wheel, a transversely movable slide therefor, a fluid operated piston and cylinder operatively connected to move said slide, a control valve therefor, means including a solenoid to actuate said valve, said solenoid when energized serving to actuate said valve to cause an infeeding movement of said slide and serving when deenergized to cause a rearward feeding movement of said slide, and means including an electrical time delay relay to energize said solenoid to start a grinding cycle and to deenergize said solenoid after a predetermined time interval to stop the grinding cycle, said time delay relay serving to control the approaching, grinding infeed and rearward movement of the grinding wheel.

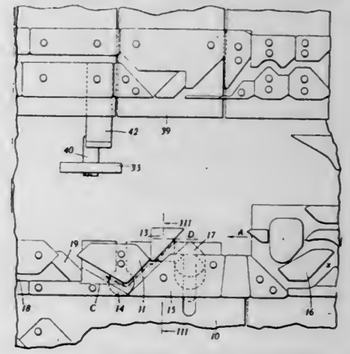
2,151,661
PREGNANOLONES AND A METHOD OF PRODUCING THE SAME
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignor to Schering Aktiengesellschaft, a corporation of Germany
No Drawing. Application August 12, 1936, Serial No. 95,679. In Germany May 29, 1934
11 Claims. (Cl. 260—397)

1. Process for the production of a pregnanolone, comprising treating a pregnandione with an organo-magnesium halide that tends toward the formation of an unsaturated hydrocarbon hydrolyzing the reaction product, and reacting the pregnanolone formed with semicarbazide acetate, separating the semicarbazone, and hydrolyzing the same.

6. A pregnanolone of the general formula $C_{21}H_{34}O_2$, having a melting point of 204–216° C.

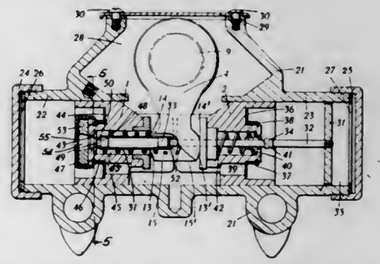
2,151,662
CIRCULAR KNITTING MACHINE
Alfred Woodward Kent, Groby, and Henry Harold Holmes, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application April 8, 1937, Serial No. 135,780
In Great Britain April 16, 1936
7 Claims. (Cl. 66—14)

1. In a circular knitting machine, superposed rotary needle cylinders, double-ended latch needles in said cylinders, needle operating sliders for transferring needles from one cylinder to the other, said sliders having thereon knitting butts, a cam box associated with each cylinder and having therein cams for action on slider knitting butts, a casting-off cam arrangement which is provided in the bottom cam box beyond a knitting location, said cam arrangement including a fixed



cam for action upon slider knitting butts so as to lower the sliders and corresponding needles to a casting-off level and a fixed slider raising cam for restoring sliders and corresponding needles to the normal position as they next approach the knitting location, and latch opening means for co-operating with the said needles when they are being restored to the normal position to effect the opening of the corresponding latches.

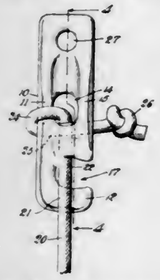
2,151,663
APPARATUS FOR STABILIZING SPRUNG BODIES
William Robert Oyston, Westminster, London, England, assignor to Alfred Brash, Melbourne, Australia
Application March 19, 1938, Serial No. 196,996
In Great Britain September 22, 1936
9 Claims. (Cl. 188—88)



1. In a shock-absorber for controlling the relative movements of two spring-connected members, a fluid containing cylinder, a piston shiftable in the cylinder, said piston having a liquid flow passage extending from side to side thereof and communicating with opposite ends of the cylinder, normally closed valves controlling the passage at each end of the piston, an auxiliary piston mounted in the cylinder between one end of the cylinder and the first-named piston and constructed to permit restricted flow of fluid from side to side thereof, and means connecting said auxiliary piston with the first-named piston for movements therewith under prescribed

movements of the latter, said means being operatively coupled to the valves for effecting opening movements thereof in opposite movements of the first-named piston.

2,151,664
ROPE FASTENER
Erwin Lee Redfield, Cloquet, Minn., assignor to William J. Oswald, Chicago, Ill.
Application April 25, 1938, Serial No. 203,988
4 Claims. (Cl. 24—129)



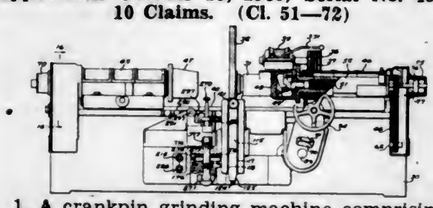
2. A fastening device for rope and the like comprising a substantially flat tension-resisting back-bone element which has an offset intermediate post section around which a rope may be wrapped, the offset forming a shoulder at an end of the post section laterally of the post, means extending said shoulder portion away from the post to form an abutment against which may lie a piece of rope after it leaves the post from such wrapping, and a lateral hooked projection from said back-bone element remote from the post and abutment on the abutment-end of said post over which may pass a length of rope before wrapping about the post, so that said last-mentioned length when taut may pass from one side of the device to the other and lie over that portion of the rope which is against the abutment and bind the rope to said abutment, said binding portion of the rope and the extending means forming a closure for the bound piece of rope.

2,151,665
ENVELOPE MACHINE
Arthur L. Roloff, Chicago, Ill., assignor to Garden City Envelope Co., Chicago, Ill., a corporation of Illinois
Application January 3, 1938, Serial No. 182,968
5 Claims. (Cl. 93—62)



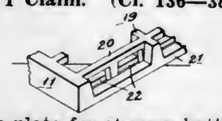
2. An envelope machine for forming an envelope from a blank, which blank comprises a rectangular central portion, a side edge flap, a bottom edge flap, and a closing flap, all of said flaps extending from said central portion, a binding strip extending laterally from said central portion and closing flap, and a wing portion extending laterally from said binding strip, said machine comprising conveyor means for the blanks engaging said side edge flap and said wing portion, means for folding said side edge flap onto said central portion, means for forming a weakened line between said central portion and said binding strip, and means for severing said wing portion from said binding strip.

2,151,666
CRANKSHAFT GRINDING MACHINE
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 18, 1935, Serial No. 45,592
10 Claims. (Cl. 51—72)



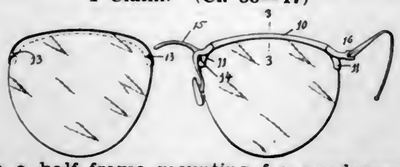
1. A crankpin grinding machine comprising a base, a transversely movable wheel slide, a rotatable grinding wheel carried by said slide, a longitudinally movable table, a pair of opposed aligned rotatable crankshaft clamping heads on said table which are arranged to grip the opposite ends of a crankshaft and to hold the same, a movable steadyrest arranged to be moved toward and from an operating position, means including a single control lever which is arranged to control the transverse movement of the grinding wheel, the longitudinal positioning movement of the table, and the positioning of the steadyrest, means to rotate said work heads, and means actuated by the control lever to stop the rotation of the work heads in a predetermined loading position.

2,151,667
OUTSIDE PLATE FOR STORAGE BATTERY CELLS
Almond H. Snyder, Lancaster, N. Y., assignor to National Battery Company, St. Paul, Minn., a corporation of Delaware
Application May 25, 1935, Serial No. 23,434
1 Claim. (Cl. 136—38)



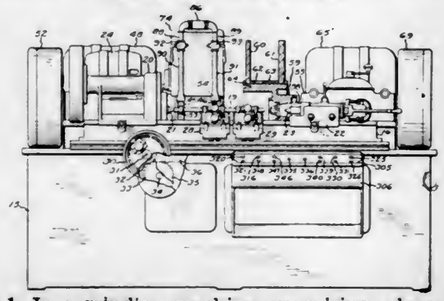
An outside plate for storage battery cells comprising, vertical and horizontal ribs on one face only of the plate to receive active material between them, and a relatively solid back wall formed with apertures communicating with the recesses between said ribs to allow the escape of gas from said active material through said wall, certain of said ribs being spaced from said back wall and said apertures being located directly behind said last mentioned ribs.

2,151,668
HALF FRAME MOUNTING FOR EYEGLASSES
Louis Vitolo, New York, N. Y., assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y.
Application June 4, 1938, Serial No. 211,853
1 Claim. (Cl. 88—47)



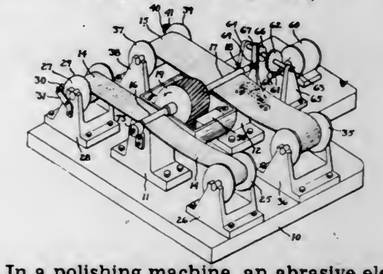
In a half-frame mounting for eyeglasses including a pair of lens each presenting an arcuated edge at the top with spaced V-notches in said edge, the upper side of said V-notches forming an angle of about 15 degrees with the horizontal passing through the apex of the V in the normal position of the glasses, a channelled member for each lens fitting the arcuated edge and enclosing the notches, a nose-piece bridge securing said two channelled members by engaging the side of the channels adapted to be disposed toward the eyeside of the lenses, bow carrying members at the end of the channelled members remote from the nose-piece and also secured to the side of the channel to which the nose-piece is secured, tongues sheared from the bottom of each of the channelled members and adapted to be bent to engage the notches of the lens for locking the lens in the corresponding channelled members, each of said channelled members having an aperture in the side of the channel in proximity of the tongue for admitting a tool to engage the tongue.

2,151,669
GRINDING MACHINE
Wallace H. Wood and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 29, 1936, Serial No. 66,464
10 Claims. (Cl. 51—105)



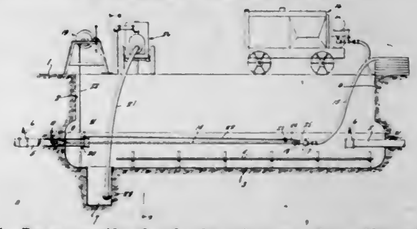
1. In a grinding machine comprising a base, a longitudinally movable table thereon, a rotatable work support on said table, means to support a work piece thereon, two spaced independently transversely movable wheel slides on said base, a rotatable grinding wheel on each of said slides which are arranged to grind spaced portions on said work piece, an independent fluid pressure operated feeding mechanism including a piston and cylinder operatively connected to independently move each of the wheel slides transversely toward and from the work support to grind a workpiece, a control valve for each of said cylinders to control the admission of fluid to and from said cylinder, electrically controlled means including a solenoid to independently actuate each of said control valves to cause a forward or rearward transverse feeding movement of said slides, an electrical cycle control mechanism including a magnetic starter switch to simultaneously energize said solenoids to shift the control valves so as to simultaneously admit fluid to said cylinders to cause a simultaneous transverse approaching movement of the wheel slides toward the work piece to grind the work piece to a predetermined size, and an electric switch associated with each of the feeding mechanisms which are connected and arranged to release said starter switch when each grinding wheel has completed a grinding operation.

2,151,670
POLISHING MACHINE
Wallace H. Wood, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 21, 1938, Serial No. 236,309
7 Claims. (Cl. 51—154)



1. In a polishing machine, an abrasive element which serves to support and polish a cylindrical portion on a work piece and means including an open top electric motor stator which surrounds a portion of said work piece to rotate the same.

2,151,671
METHOD FOR CLEANING WATER MAINS
Lon D. Wright, Fremont, Nebr.
Application July 21, 1936, Serial No. 91,752
9 Claims. (Cl. 15—269)



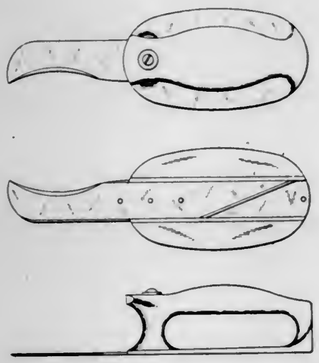
1. In a method of cleaning a pipe, the steps of establishing a relatively free exit at one point in the pipe, establishing a relatively closed condition at another point in the pipe, introducing a liquid under pressure to the pipe at a point thereof removed from the relatively free exit, and continuously introducing a gas under pressure into the pipe between the said last mentioned point and the relatively free exit, said liquid and gas being introduced in quantities and at pressures sufficient to develop slugs of liquid separated by gas pockets, which slugs travel with explosive action toward the relatively free exit of the pipe whereby the slugs will remove sediment from the interior of the pipe.

9. A method of removing deposits and incrustations from the interior of water mains in which one end of the main is open comprising introducing water at the opposite end of the main, propelling air-driven cutting mechanism through the main in counterdirection to the flow of water therethrough, deflecting the exhaust air from the cutting mechanism rearwardly and in the direction of flow of the water, and controlling the amounts and pressures of the introduced water and exhausted air to form intermittent slugs of water and air which travel toward the open end of the pipe carrying therewith the incrustations and deposits removed by the mechanism.

DESIGNS

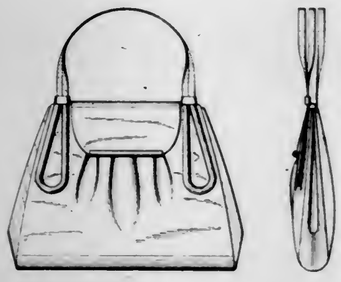
MARCH 21, 1939

113,829
DESIGN FOR A KNIFE
Giacomo Agostineto, Trout Creek, Mich.
Application July 26, 1938, Serial No. 78,750
Term of patent 7 years



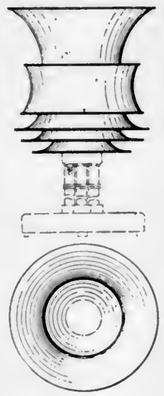
The ornamental design for a knife, as shown.

113,830
DESIGN FOR A HANDBAG
Louis J. Berman, New York, N. Y.
Application February 10, 1939, Serial No. 82,907
Term of patent 3½ years



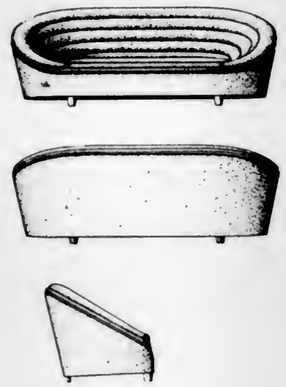
The ornamental design for a handbag, substantially as shown.

113,831
DESIGN FOR A COMBINED LAMP AND AIR CIRCULATOR
Alexander E. Blumenthal, Pittsburgh, Pa.
Application April 14, 1938, Serial No. 76,494
Term of patent 3½ years

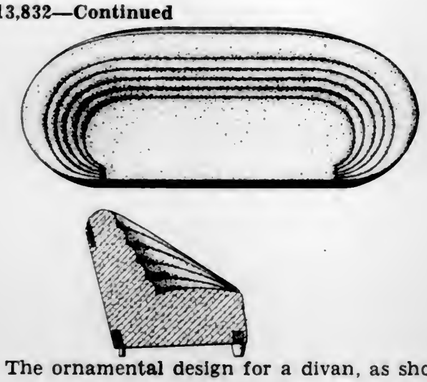


The ornamental design for a combined lamp and air circulator, substantially as shown and described.

113,832
DESIGN FOR A DIVAN
Thomas M. Cross, Southgate, Calif., assignor to David J. Saltman, Southgate, Calif.
Application January 28, 1939, Serial No. 82,645
Term of patent 3½ years

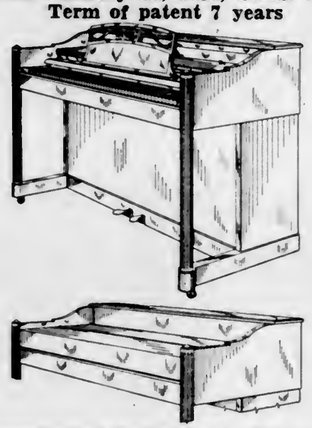


113,832—Continued



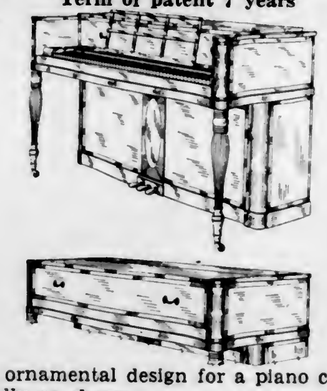
The ornamental design for a divan, as shown.

113,833
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application January 30, 1939, Serial No. 82,678
Term of patent 7 years



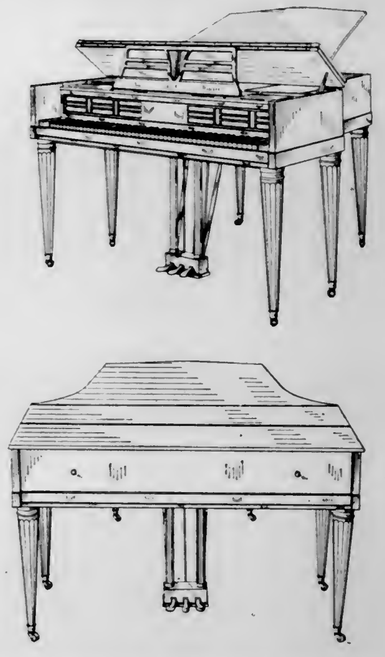
The ornamental design for a piano case, substantially as shown.

113,834
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application February 6, 1939, Serial No. 82,809
Term of patent 7 years



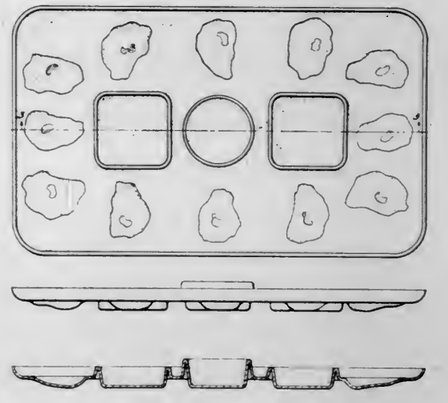
The ornamental design for a piano case, substantially as shown.

113,835
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application February 13, 1939, Serial No. 82,954
Term of patent 7 years



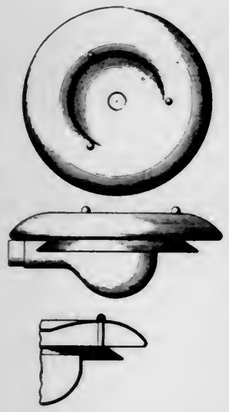
The ornamental design for a piano case, substantially as shown.

113,836
DESIGN FOR AN OYSTER PLATE
Albert W. Dixon, Sarasota, Fla.
Application December 30, 1938, Serial No. 82,086
Term of patent 3½ years



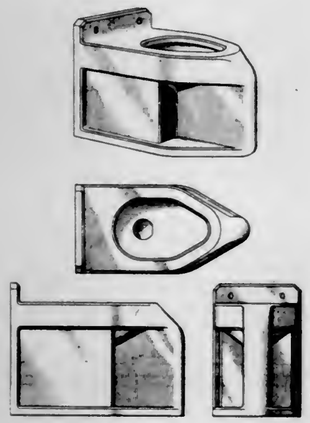
The ornamental design for an oyster plate, as shown.

113,837
DESIGN FOR A LUMINAIRE
Leroy C. Doane, Meriden, Conn., assignor to The Sight Light Corporation, Essex, Conn., a corporation of Connecticut
Application December 21, 1938, Serial No. 81,916
Term of patent 14 years



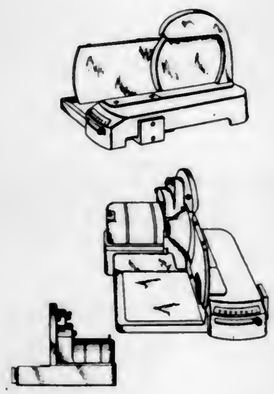
The ornamental design for a luminaire, as shown.

113,838
DESIGN FOR A DEFECATOR
William C. Groeniger, Columbus, Ohio
Application October 3, 1938, Serial No. 80,214
Term of patent 14 years



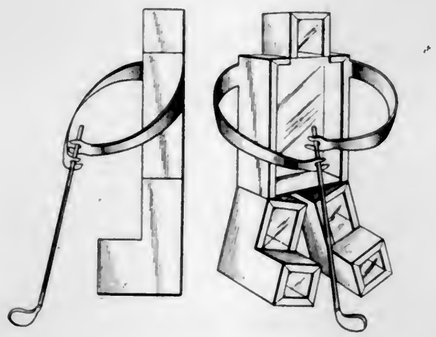
The ornamental design for a defecator, substantially as shown.

113,839
DESIGN FOR A MEAT SLICING MACHINE OR SIMILAR ARTICLE
Thomas L. Hand, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application May 16, 1938, Serial No. 77,202
Term of patent 14 years



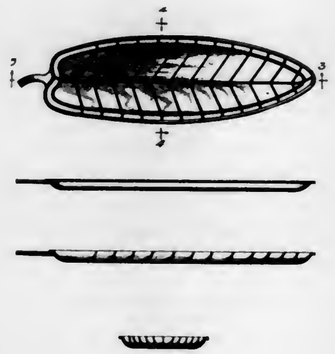
The ornamental design for a meat slicing machine or similar article, substantially as shown.

113,840
DESIGN FOR A DISPLAY CONTAINER FOR GOLF BALLS AND TEES
Richard K. Hines, New York, N. Y.
Application November 17, 1938, Serial No. 81,184
Term of patent 14 years



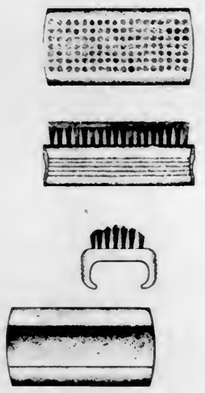
The ornamental design for a display container for golf balls and tees, substantially as shown.

113,841
DESIGN FOR A TRAY
Ray Rice Hutcheson, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application February 7, 1939, Serial No. 82,845
Term of patent 3½ years



The ornamental design for a tray, as shown.

113,842
DESIGN FOR A NAIL BRUSH
Conrad Jobst, Toledo, Ohio, assignor to The Owens Staple-Tied Brush Company, Toledo, Ohio, a corporation of Ohio
Application October 24, 1938, Serial No. 80,653
Term of patent 7 years



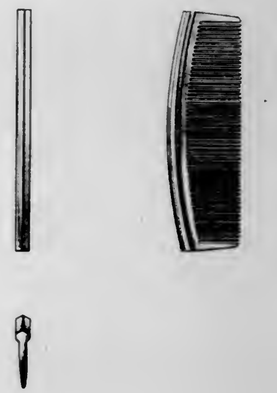
The ornamental design for a nail brush, substantially as shown.

113,843
DESIGN FOR A BANDEAU OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1937, Serial No. 69,918
Term of patent 3½ years



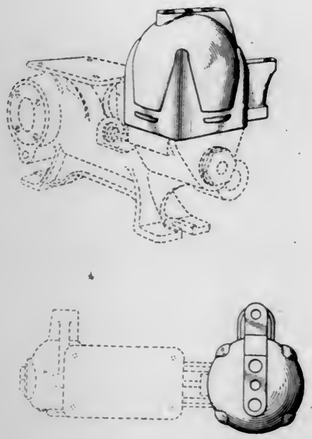
The ornamental design for a bandeau or similar article, substantially as shown.

113,844
DESIGN FOR A COMB OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 23, 1938, Serial No. 76,727
Term of patent 14 years



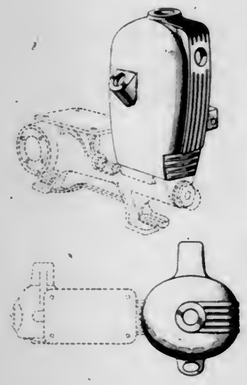
The ornamental design for a comb or similar article, substantially as shown.

113,845
DESIGN FOR A PUMP
Clarence Karstadt, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 24, 1938, Serial No. 81,980
Term of patent 14 years



The ornamental design for a pump, substantially as shown and described.

113,846
DESIGN FOR A PUMP
Clarence Karstadt, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 24, 1938, Serial No. 81,981
Term of patent 14 years



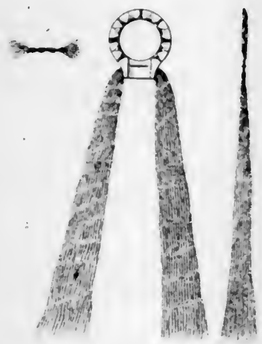
The ornamental design for a pump, substantially as shown and described.

113,847
DESIGN FOR AN ICE CRUSHER
Otto Kleppner, New York, N. Y.
Application October 15, 1938, Serial No. 80,470
Term of patent 7 years



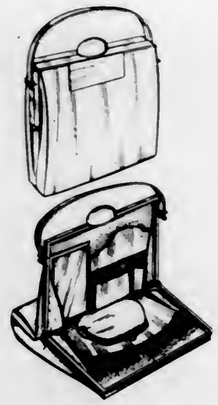
The ornamental design for an ice crusher, substantially as shown.

113,848
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Philip Kranz and Albert P. Schmid, Philadelphia, Pa., assignors to Bernard Wilmsen, Philadelphia, Pa.
Application December 27, 1938, Serial No. 82,003
Term of patent 14 years



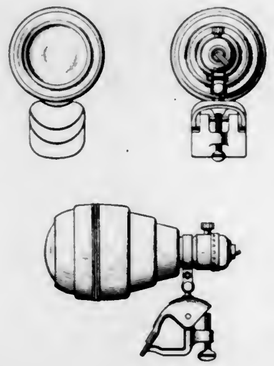
The ornamental design for a Christmas tree ornament, as shown.

113,849
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application February 1, 1939, Serial No. 82,703
Term of patent 3½ years



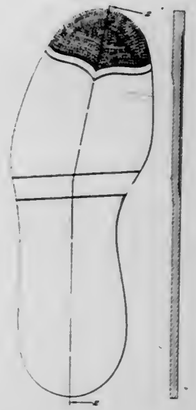
The ornamental design for a handbag, as shown.

113,850
DESIGN FOR A LAMP
Louis Ludwig, Brooklyn, N. Y.
Application January 19, 1939, Serial No. 82,436
Term of patent 7 years



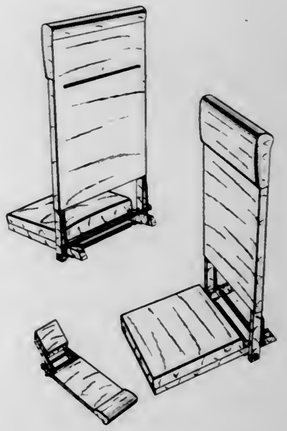
The ornamental design for a lamp, as shown.

113,851
DESIGN FOR A SHOE SOLE
Eugene Joseph McCarthy, Chelsea, Mass., assignor to A. G. Walton & Co., Inc., Chelsea, Mass., a corporation of Massachusetts
Application January 30, 1939, Serial No. 82,686
Term of patent 14 years



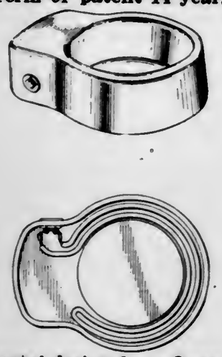
The ornamental design for a shoe sole, substantially as shown.

113,852
DESIGN FOR A BEACH CHAIR
William E. Pharo, East Orange, N. J.
Application February 7, 1939, Serial No. 82,820
Term of patent 7 years



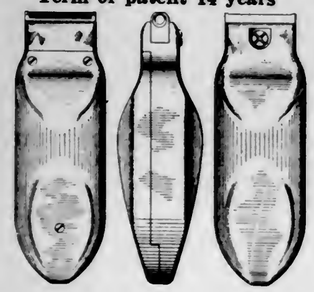
The ornamental design for a beach chair, substantially as shown.

113,853
DESIGN FOR A FINGERNAIL BOWL
Mike Ragan, Los Angeles, Calif.
Application September 3, 1938, Serial No. 79,734
Term of patent 14 years



The ornamental design for a fingernail bowl, as shown.

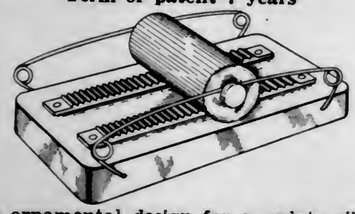
113,854
DESIGN FOR AN ELECTRIC RAZOR
Henry J. Rand, New York, N. Y., and Wallace H. Nichols, Westfield, N. J., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 5, 1938, Serial No. 80,902
Term of patent 14 years





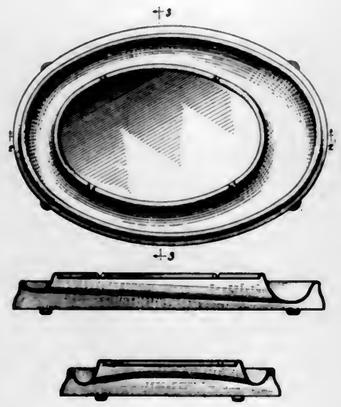
The ornamental design for an electric razor, as shown.

113,855
DESIGN FOR A PEDATE VIBRATOR
Samuel B. Sklar, New York, N. Y.
Application December 23, 1938, Serial No. 81,957
Term of patent 7 years



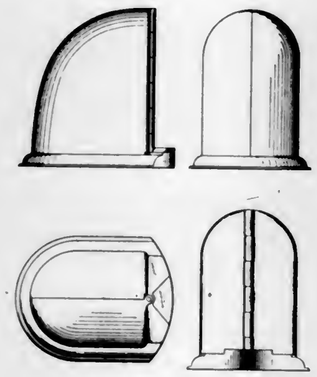
The ornamental design for a pedate vibrator, substantially as shown and described.

113,856
DESIGN FOR A SERVING PLATTER OR SIMILAR ARTICLE
Claire K. Smith, Brooklyn, N. Y.
Application December 31, 1938, Serial No. 82,108
Term of patent 7 years



The ornamental design for a serving platter or similar article, as shown.

113,857
DESIGN FOR A JEWELRY BOX
John R. Sundee, Buffalo, N. Y., assignor to Buffalo Jewelry Case Co. Inc., Buffalo, N. Y., a corporation of New York
Application January 10, 1939, Serial No. 82,269
Term of patent 3½ years



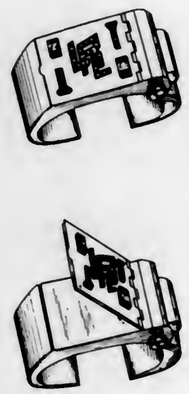
The ornamental design for a jewelry box, substantially as shown.

113,858
DESIGN FOR A BOTTLE
Ivan D. Tefft, Janesville, Wis., and Trace Christenson, Jr., and Warner W. Hoople, Chicago, Ill., assignors to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application November 3, 1938, Serial No. 80,848
Term of patent 7 years



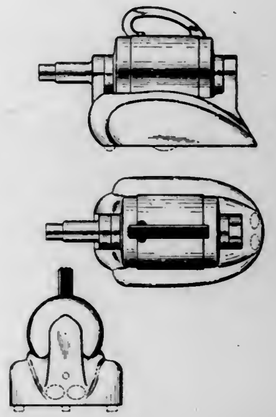
The ornamental design for a bottle, substantially as shown.

113,859
DESIGN FOR A COMBINED BRACELET AND MEMO PAD
Kenneth Van Cott, New York, N. Y.
Application February 7, 1939, Serial No. 82,841
Term of patent 3½ years



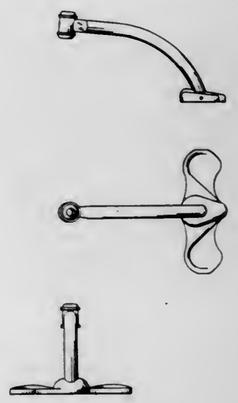
The ornamental design for a combined bracelet and memo pad, substantially as shown.

113,860
DESIGN FOR A SURFACING MACHINE
Robert E. Wolfe and Richard F. Kneisley, Toledo, Ohio, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application December 5, 1938, Serial No. 81,588
Term of patent 14 years



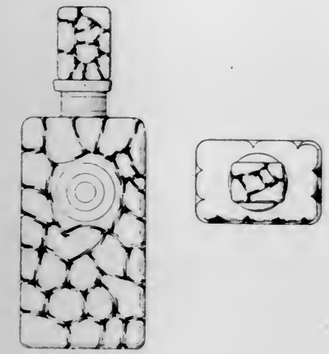
The ornamental design for a surfacing machine, as shown and described.

113,861
DESIGN FOR A VELOCIPEDE FRAME MEMBER
Einar A. Anderson, Hammond, Ind.
Application December 14, 1938, Serial No. 81,780
Term of patent 14 years



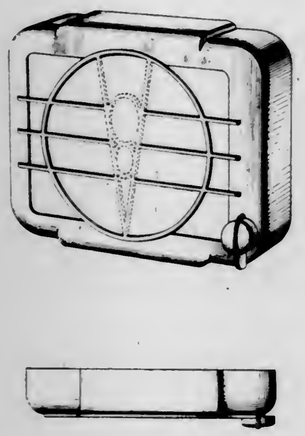
The ornamental design for a velocipede frame member, substantially as shown.

113,862
DESIGN FOR A COMBINED BOTTLE AND STOPPER THEREFOR
Frank E. Ansell, Brooklyn, N. Y.
Application July 2, 1938, Serial No. 78,239
Term of patent 14 years



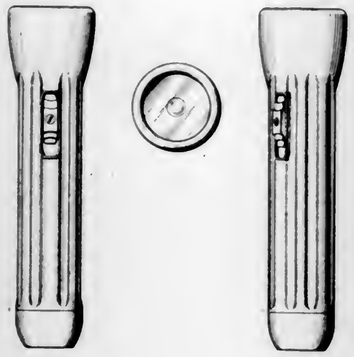
The ornamental design for a combined bottle and stopper therefor, substantially as shown and described.

113,863
DESIGN FOR A HEATER CASING
John M. Aufiero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application November 1, 1938, Serial No. 80,804
Term of patent 14 years



The ornamental design for a heater casing, as shown and described.

113,864
DESIGN FOR A FLASHLIGHT
Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New York
Application January 17, 1939, Serial No. 82,383
Term of patent 14 years



The ornamental design for a flashlight, substantially as shown.

113,865
DESIGN FOR A WALKING CANE
Tommy Harvey Fletcher, Hollywood, Calif.
Application June 6, 1938, Serial No. 77,622
Term of patent 3½ years



The ornamental design for a walking cane, as shown.

113,866
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application March 8, 1938, Serial No. 75,675
Term of patent 3½ years



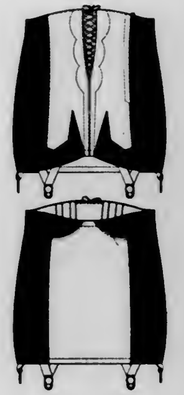
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

113,867
DESIGN FOR A BOTTLE
William Richard Kohl, New York, N. Y., assignor to Carr-Lowrey Glass Company, Baltimore, Md.
Application January 6, 1939, Serial No. 82,203
Term of patent 14 years



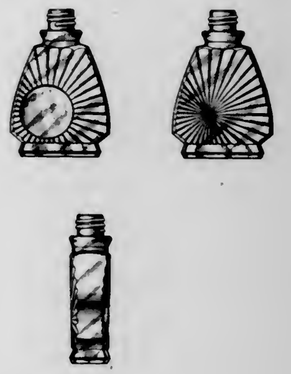
The ornamental design for a bottle, as shown.

113,868
DESIGN FOR A GIRDLE
Sigmund W. Kunstadter, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois
Application January 18, 1939, Serial No. 82,414
Term of patent 7 years



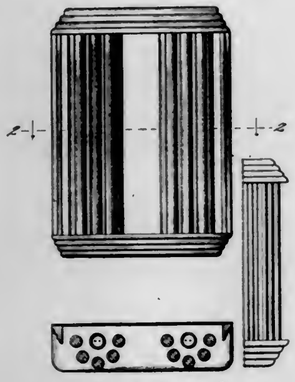
The ornamental design for a girdle, as shown.

113,869
DESIGN FOR A BOTTLE
Walter R. Leach, Baltimore, Md., assignor to Carr-Lowrey Glass Company, Baltimore, Md.
Application January 3, 1939, Serial No. 82,126
Term of patent 14 years



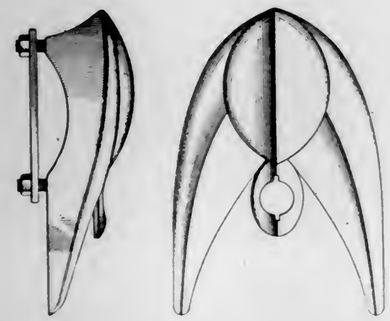
The ornamental design for a bottle, as shown.

113,870
DESIGN FOR A RADIO OR PHONOGRAPH CABINET GRILLE OR SIMILAR ARTICLE
Edwin Leslie Lorden, Los Angeles, Calif., assignor to William Nathanson, Los Angeles, Calif.
Application May 11, 1938, Serial No. 77,129
Term of patent 3½ years



The ornamental design for a radio or phonograph cabinet grille or similar article, as shown.

113,871
DESIGN FOR A GRILLE GUARD
Philip C. Marrera, Chicago, Ill.
Application July 26, 1938, Serial No. 78,752
Term of patent 7 years



The ornamental design for a grille guard, as shown.

113,872
DESIGN FOR A GLASS BOTTLE
Albert C. Meyer, Glenshaw, Pa.
Application January 14, 1939, Serial No. 82,345
Term of patent 14 years



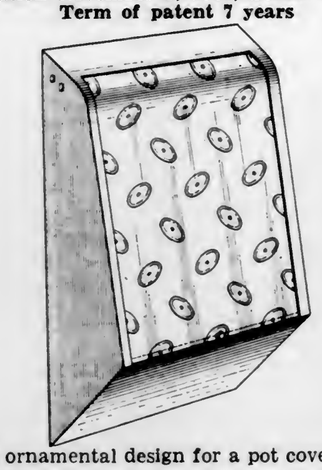
The ornamental design for a glass bottle, as shown.

113,873
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application January 7, 1939, Serial No. 82,210
Term of patent 3½ years



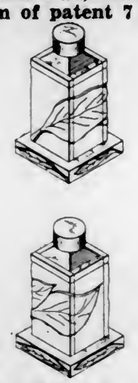
The ornamental design for a dress, substantially as shown.

113,874
DESIGN FOR A POT COVER CABINET
Robert J. Miller, Chicago, Ill.
Application November 9, 1938, Serial No. 80,982
Term of patent 7 years



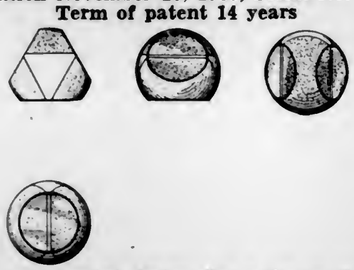
The ornamental design for a pot cover cabinet, as shown.

113,875
DESIGN FOR A PERFUME BOTTLE
Shozo Miyaki, Honolulu, Territory of Hawaii
Application November 23, 1938, Serial No. 81,324
Term of patent 7 years



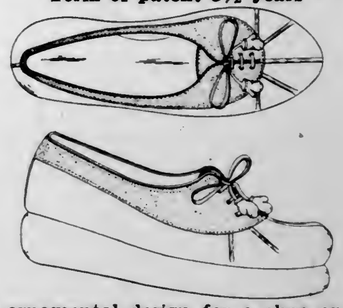
The ornamental design for a perfume bottle, as shown.

113,876
DESIGN FOR A DIE OR THE LIKE
Ramiro Moure, New York, N. Y.
Application November 10, 1938, Serial No. 81.023
Term of patent 14 years



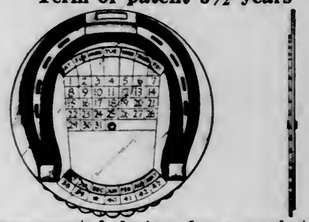
The ornamental design for a die or the like, as shown and described.

113,877
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Andre Perugia, Paris, France
Application November 16, 1938, Serial No. 81,131
Term of patent 3½ years



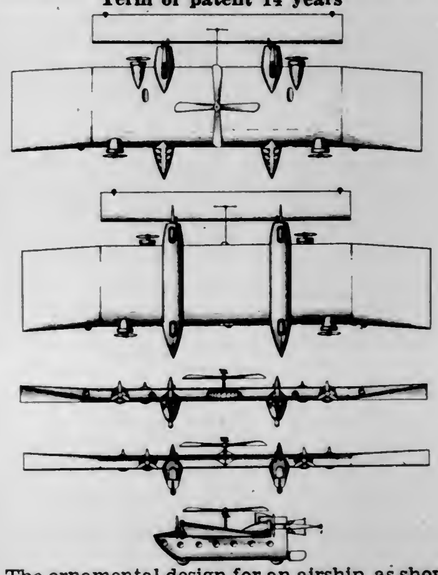
The ornamental design for a shoe or similar article, as shown.

113,878
DESIGN FOR A POCKET CALENDAR
Berry Pink, New York, N. Y.
Application December 10, 1938, Serial No. 81,701
Term of patent 3½ years



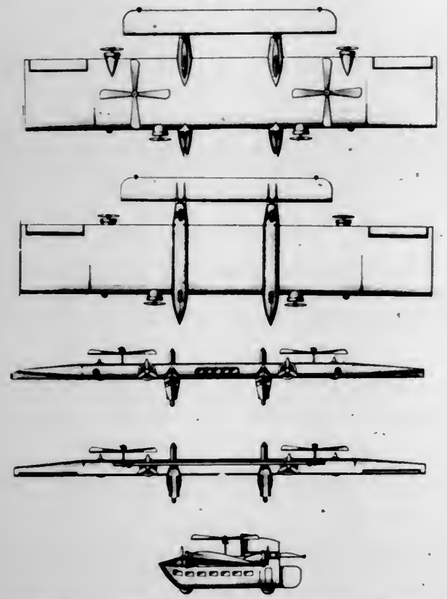
The ornamental design for a pocket calendar, as shown.

113,879
DESIGN FOR AN AIRSHIP
Sam T. Rogers, Washington, D. C.
Application January 21, 1939, Serial No. 82.523
Term of patent 14 years



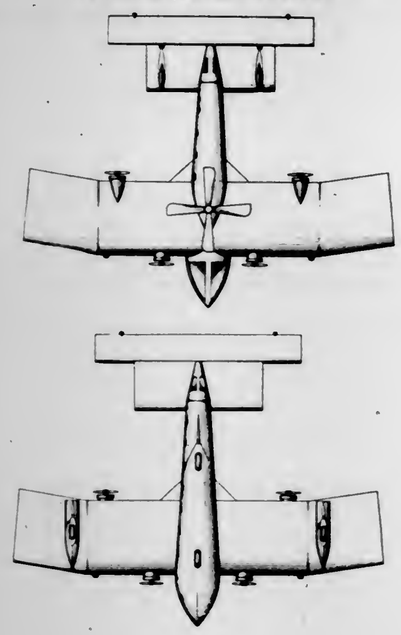
The ornamental design for an airship, as shown.

113,880
DESIGN FOR AN AIRSHIP
Sam T. Rogers, Washington, D. C.
Application January 27, 1939, Serial No. 82,642
Term of patent 14 years



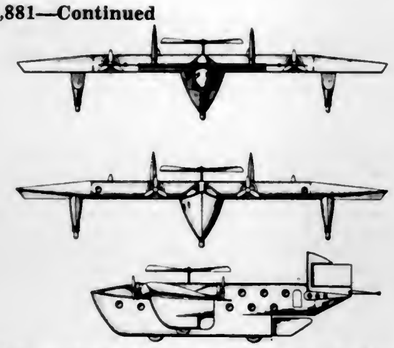
The ornamental design for an airship, as shown.

113,881
DESIGN FOR AN AIRSHIP
Sam T. Rogers, Washington, D. C.
Application February 13, 1939, Serial No. 82,970
Term of patent 14 years



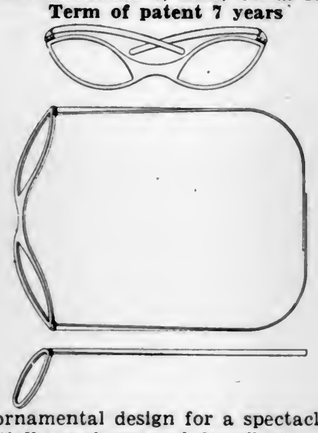
The ornamental design for an airship, as shown.

113,881—Continued



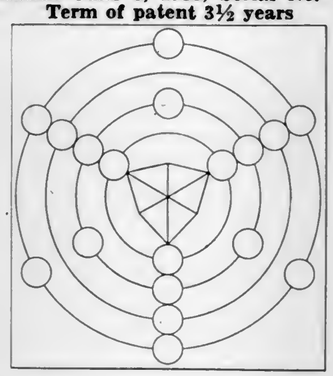
The ornamental design for an airship, as shown.

113,882
DESIGN FOR A SPECTACLE FRAME
Altina Sanders, New York, N. Y.
Application December 6, 1938, Serial No. 81,597
Term of patent 7 years



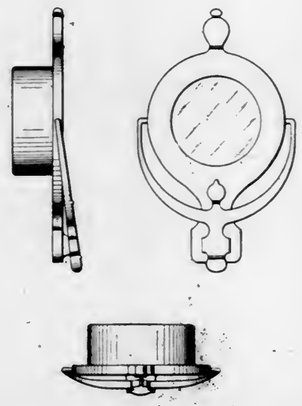
The ornamental design for a spectacle frame, substantially as shown and described.

113,883
DESIGN FOR A GAME BOARD
Robert P. Schiffmann, Chicago, Ill.
Application June 6, 1938, Serial No. 77,628
Term of patent 3½ years



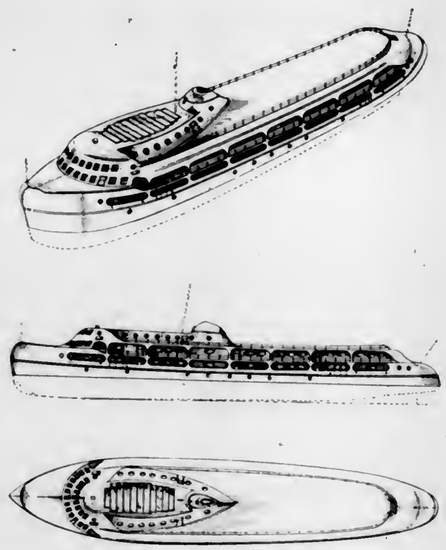
The ornamental design for a game board, substantially as shown.

113,884
DESIGN FOR A DOOR KNOCKER
Herman Seiler, Chicago, Ill.
Application December 15, 1938, Serial No. 81,804
Term of patent 7 years



The ornamental design for a door knocker, as shown.

113,885
DESIGN FOR A PASSENGER VESSEL
Harry B. Spear, Cradock, Va.
Application August 5, 1938, Serial No. 79,135
Term of patent 14 years



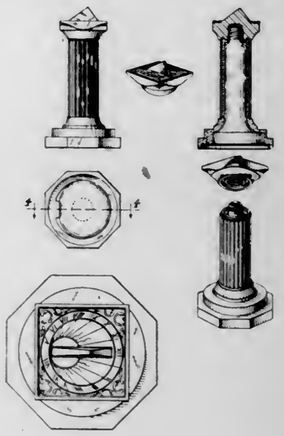
The ornamental design for a passenger vessel, as shown and described.

113,886
DESIGN FOR A SHIRT
Samuel M. Warshaw, New York, N. Y.
Application January 18, 1939, Serial No. 82,406
Term of patent 3½ years



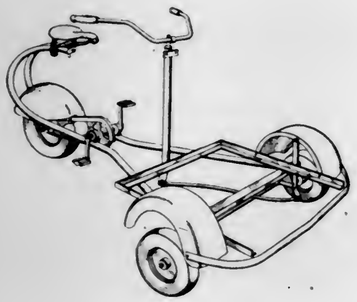
The ornamental design for a shirt, substantially as shown.

113,887
DESIGN FOR A COMBINED PERFUME CONTAINER AND SUPPORT THEREFOR
David West, Dalegarth, Woodwaye, Oxhey, Watford, England, assignor to Saville Perfumery Limited, Watford, England, a British company
Application August 24, 1938, Serial No. 79,546
In Great Britain March 23, 1938
Term of patent 7 years



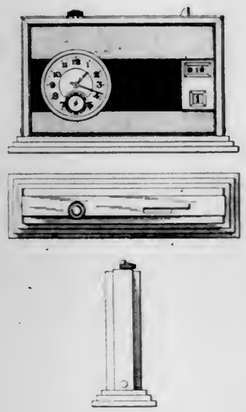
The ornamental design for a combined perfume container and support therefor, as shown.

113,888
DESIGN FOR A TRICYCLE
Ralph R. Wilcox, Jr., Alhambra, Calif.
Application July 25, 1938, Serial No. 78,692
Term of patent 7 years



The ornamental design for a tricycle, as shown.

113,889
DESIGN FOR A COIN BANK
David H. Zell, Brooklyn, N. Y.
Application December 31, 1938, Serial No. 82,105
Term of patent 14 years



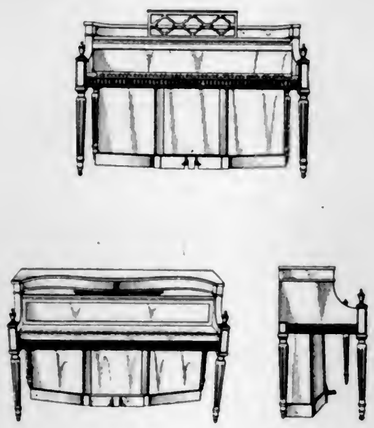
The ornamental design for a coin bank, substantially as shown and described.

113,890
DESIGN FOR A SHOE SOLE
Rawson R. Cowen, Waban, Mass., assignor to H. H. Brown Shoe Company, Inc., Worcester, Mass., a corporation of Massachusetts
Application October 17, 1938, Serial No. 80,516
Term of patent 7 years



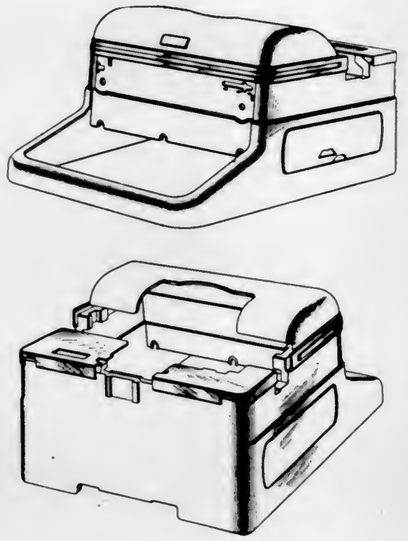
The ornamental design for a shoe sole, as shown.

113,891
DESIGN FOR A PIANO CASE
Thomas J. Dentz, New York, N. Y., assignor to Janssen Piano Co., Inc., Brooklyn, N. Y., a corporation of New York
Application January 7, 1938, Serial No. 74,138
Term of patent 3½ years



The ornamental design for a piano case, as shown and described.

113,892
DESIGN FOR A MASK FOR A TYPEWRITING MACHINE
Bernard J. Dowd and Henry J. Hart, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application September 30, 1938, Serial No. 80,157
Term of patent 14 years



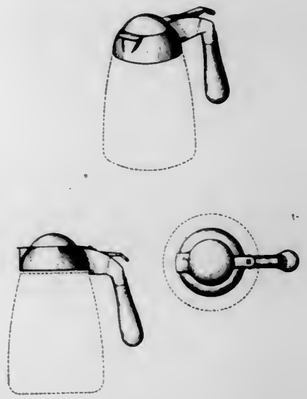
The ornamental design for a mask for a typewriting machine, as shown.

113,893
DESIGN FOR A BRASSIÈRE BODICE
Ruth Freedman, New York, N. Y.
Application April 30, 1937, Serial No. 69,084
Term of patent 7 years



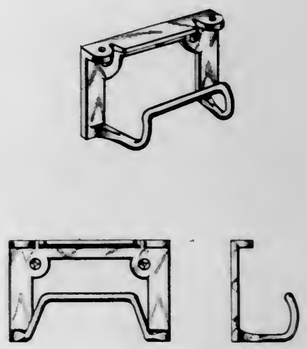
The ornamental design for a brassière bodice, as shown.

113,894
DESIGN FOR A COMBINED DISPENSER AND CLOSURE FOR A CONTAINER
Edward Richard Hacmac, Hollywood, Calif., assignor to Na-Mac Products Company, a corporation of California
Application October 8, 1938, Serial No. 80,319
Term of patent 14 years



The ornamental design for a combined dispenser and closure for a container, substantially as shown and described.

113,895
DESIGN FOR A HOLDER FOR POCKETBOOKS, GLOVES, AND THE LIKE
William E. Hutchison, Atlanta, Ga.
Application November 19, 1938, Serial No. 81,234
Term of patent 7 years



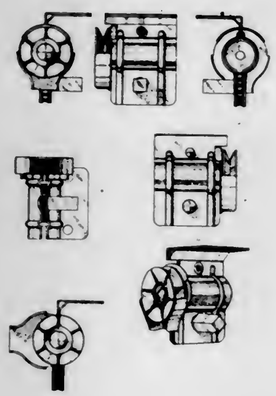
The ornamental design for a holder for pocketbooks, gloves, and the like, as shown.

113,896
DESIGN FOR SHORTS OR SIMILAR ARTICLE
Herman M. McDonald, Evanston, Ill., assignor to Mac Dee Company, a corporation of Illinois
Application August 3, 1938, Serial No. 79,076
Term of patent 14 years



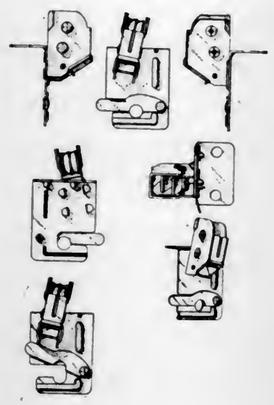
The ornamental design for shorts or similar article, as shown.

113,897
DESIGN FOR A TILTER FOR VENETIAN BLINDS OR SIMILAR ARTICLE
Jules Nisenson, New York, N. Y., assignor to Unit Venetian Blind Supply Co., New York, N. Y., a corporation of New York
Application October 18, 1938, Serial No. 80,525
Term of patent 3½ years



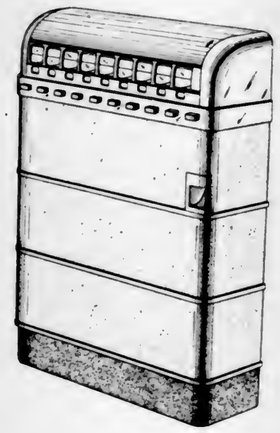
The ornamental design for a tilter for Venetian blinds or similar article, as shown and described.

113,898
DESIGN FOR A VENETIAN BLIND CORD LOCK OR SIMILAR ARTICLE
Jules Nisenson, New York, N. Y., assignor to Unit Venetian Blind Supply Co., New York, N. Y., a corporation of New York
Application December 21, 1938, Serial No. 81,933
Term of patent 3½ years



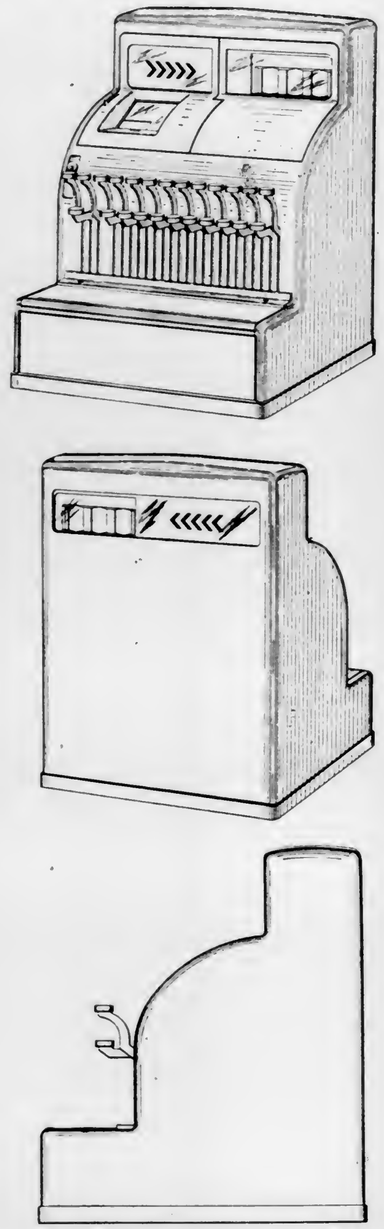
The ornamental design for a Venetian blind cord lock or similar article, as shown and described.

113,899
DESIGN FOR A DISPENSING MACHINE CABINET
Lawrence M. Persons, St. Louis County, Mo.
Application December 2, 1938, Serial No. 81,520
Term of patent 14 years



The ornamental design for a dispensing machine cabinet, substantially as shown and described.

113,900
DESIGN FOR A CASH REGISTER
Walter Dorwin Teague and Walter Dorwin Teague, Jr., New York, N. Y., and Edward W. Herman, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application December 16, 1938, Serial No. 81,818
Term of patent 14 years



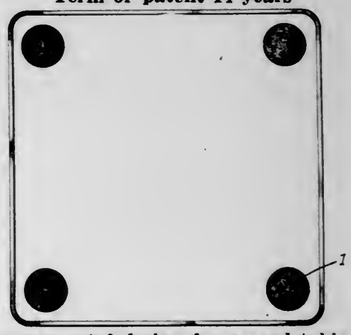
The ornamental design for a cash register, as shown.

113,901
DESIGN FOR AN ELASTIC TEXTILE FABRIC
Harry Barr, Fairlawn, N. J., assignor to Duchess Fabrics, Inc., New York, N. Y.
Application December 27, 1938, Serial No. 81,994
Term of patent 3½ years



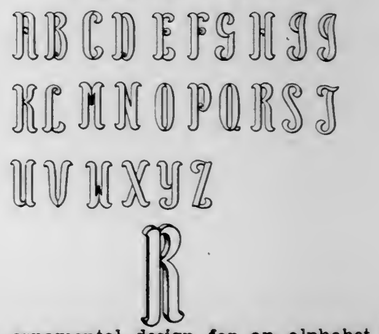
The ornamental design for an elastic textile fabric, substantially as shown and described.

113,902
DESIGN FOR A CARD TABLE COVER
Theodore S. Cart, Princeton, N. J., assignor to Atlantic Products Corporation, Trenton, N. J., a corporation of New Jersey
Application May 5, 1938, Serial No. 77,008
Term of patent 14 years



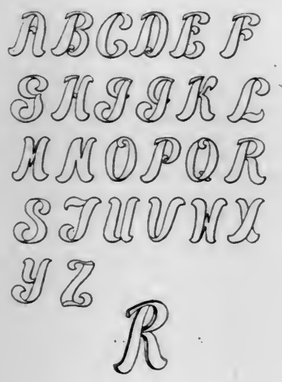
The ornamental design for a card table cover, as shown and described.

113,903
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLES
Michael Chernow, Brooklyn, N. Y.
Application January 16, 1939, Serial No. 82,369
Term of patent 7 years



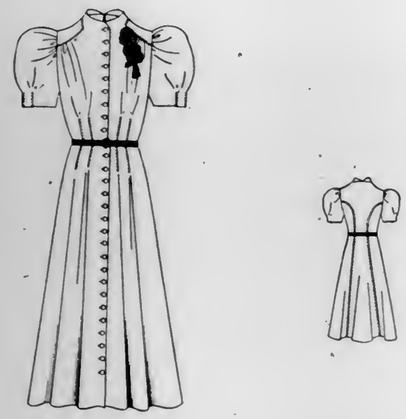
The ornamental design for an alphabet for forming monograms or similar articles, substantially as shown.

113,904
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLES
Michael Chernow, Brooklyn, N. Y.
Application January 16, 1939, Serial No. 82,370
Term of patent 7 years



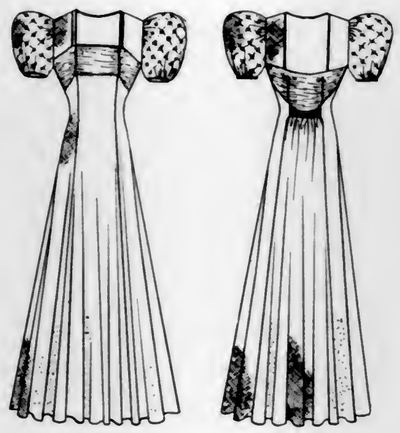
The ornamental design for an alphabet for forming monograms or similar articles, substantially as shown.

113,905
DESIGN FOR A REDINGOTE
Elizabeth M. Ciccone, New York, N. Y.
Application February 4, 1939, Serial No. 82,771
Term of patent 3½ years



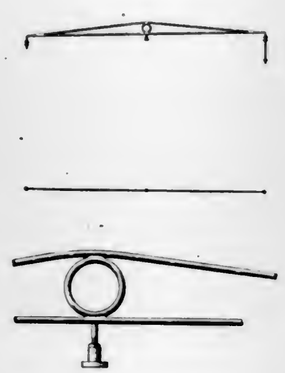
The ornamental design for a redingote, substantially as shown.

113,906
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application December 30, 1938, Serial No. 82,085
Term of patent 3½ years



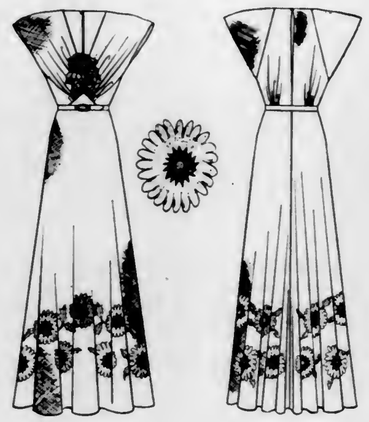
The ornamental design for a dress, substantially as shown.

113,907
DESIGN FOR AN AUTOMOBILE RADIO AERIAL
Anthony J. Gardella and Charles W. Buckingham, Chicago, Ill.
Application December 21, 1938, Serial No. 81,918
Term of patent 7 years



The ornamental design for an automobile radio aerial, as shown.

113,908
DESIGN FOR A DRESS
Nathan Helfman, New York, N. Y.
Application January 7, 1939, Serial No. 82,229
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,909
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 7, 1939, Serial No. 82,812
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

113,910
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 7, 1939, Serial No. 82,813
Term of patent 3½ years



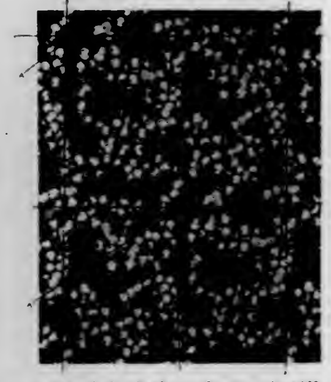
The ornamental design for a textile fabric, substantially as shown and described.

113,911
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 7, 1939, Serial No. 82,814
Term of patent 3½ years



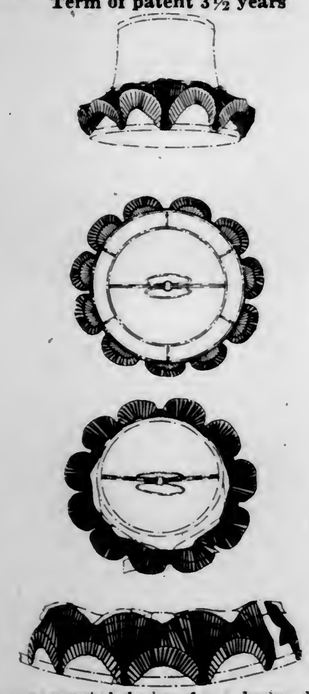
The ornamental design for a textile fabric, substantially as shown and described.

113,912
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 20, 1939, Serial No. 83,123
Term of patent 3½ years



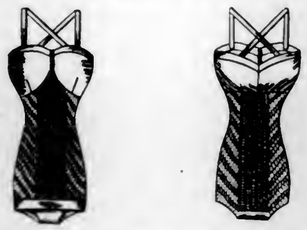
The ornamental design for a textile fabric, substantially as shown and described.

113,913
DESIGN FOR A LAMP SHADE
Jean Kurzac, Philadelphia, Pa., assignor to Albe Lamp & Shade Co., Philadelphia, Pa., a partnership consisting of Albert E. Smith and Henry Benedict
Continuation of application Serial No. D–81,323, November 23, 1938. This application December 28, 1938, Serial No. 82,011.
Term of patent 3½ years



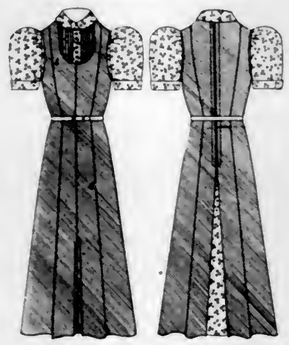
The ornamental design for a lamp shade, substantially as shown and described.

113,914
DESIGN FOR A SWIM SUIT
Israel Mirsky, New York, N. Y.
Application November 17, 1938, Serial No. 81,150
Term of patent 3½ years



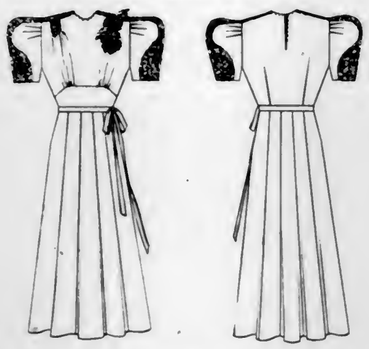
The ornamental design for a swim suit, substantially as shown.

113,915
DESIGN FOR A DRESS
Jerry Parnis, New York, N. Y.
Application January 20, 1939, Serial No. 82,487
Term of patent 3½ years



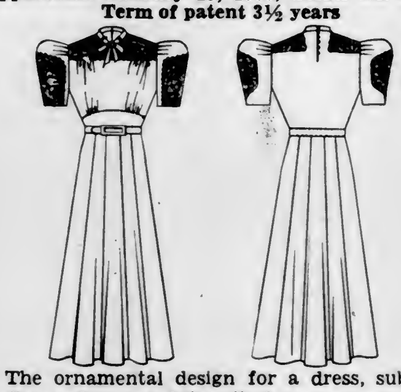
The ornamental design for a dress, substantially as shown.

113,916
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 19, 1939, Serial No. 82,427
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,917
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 19, 1939, Serial No. 82,428
Term of patent 3½ years



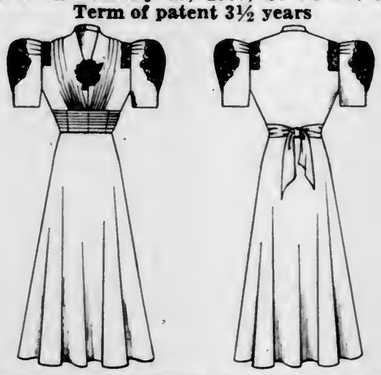
The ornamental design for a dress, substantially as shown and described.

113,918
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 19, 1939, Serial No. 82,429
Term of patent 3½ years



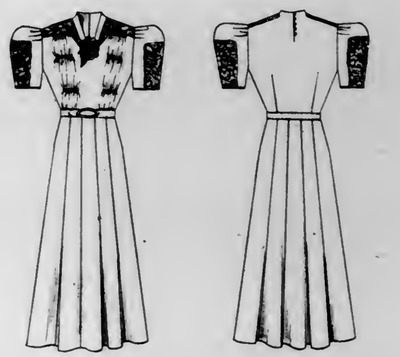
The ornamental design for a dress, substantially as shown and described.

113,919
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 19, 1939, Serial No. 82,430
Term of patent 3½ years



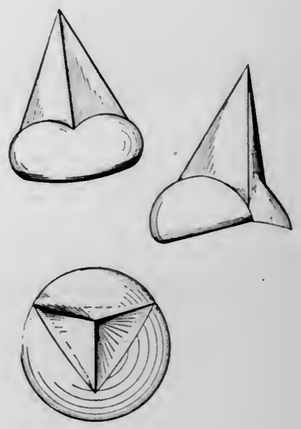
The ornamental design for a dress, substantially as shown and described.

113,920
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application January 19, 1939, Serial No. 82,431
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,921
DESIGN FOR A HAT
Elizabeth Schoen, New York, N. Y.
Application February 11, 1939, Serial No. 82,922
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

113,922
DESIGN FOR A TEXTILE FABRIC
Wesley Simpson, New York, N. Y.
Application January 13, 1939, Serial No. 82,323
Term of patent 3½ years



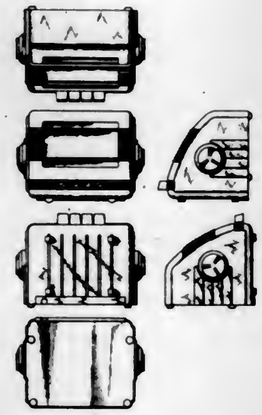
The ornamental design for a textile fabric, substantially as shown.

113,923
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application January 30, 1939, Serial No. 82,685
Term of patent 3½ years



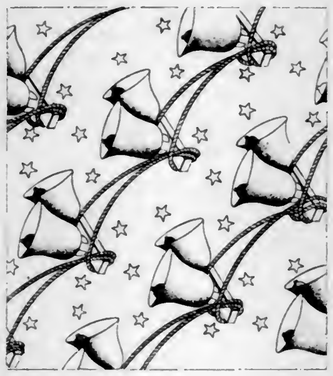
The ornamental design for a textile fabric or similar article, as shown.

113,924
DESIGN FOR A RADIO SET
Howard J. Tyxer, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application August 2, 1938, Serial No. 79,038
Term of patent 14 years



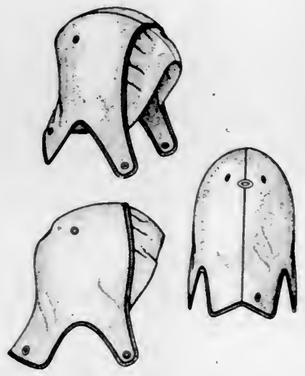
The ornamental design for a radio set, as shown.

113,925
DESIGN FOR DECORATIVE PAPER
Carl W. von Ehrn, Springfield, Mass., assignor to Holyoke Card & Paper Company, Springfield, Mass., a corporation of Massachusetts
Application September 16, 1938, Serial No. 79,935
Term of patent 3½ years



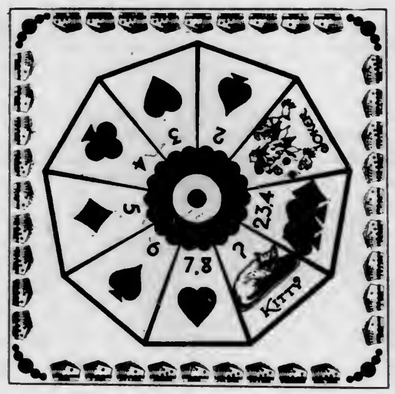
The ornamental design for decorative paper, as shown.

113,926
DESIGN FOR AN ELECTRIC FACIAL MASK
Simon Dansk, Santa Monica, Calif.
Application December 7, 1938, Serial No. 81,629
Term of patent 14 years



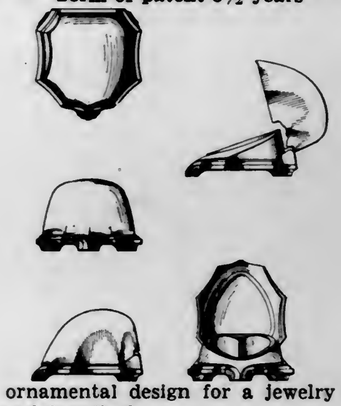
The ornamental design for an electric facial mask, as shown.

113,927
DESIGN FOR A CARD-TABLE COVER
Vernon A. Davenport, Seattle, Wash.
Application November 14, 1938, Serial No. 81,073
Term of patent 7 years



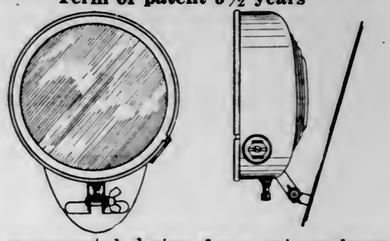
The ornamental design for a card-table cover, as shown.

113,928
DESIGN FOR A JEWELRY BOX
John Renfrew Dean, Buffalo, N. Y.
Application February 5, 1938, Serial No. 74,916
Term of patent 3½ years



The ornamental design for a jewelry box, as shown and described.

113,929
DESIGN FOR A MIRROR LAMP OR SIMILAR ARTICLE
Maurice Langbaum, Brooklyn, N. Y.
Application January 3, 1939, Serial No. 82,113
Term of patent 3½ years



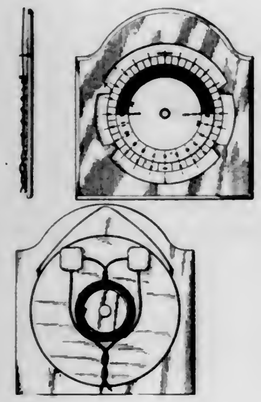
The ornamental design for a mirror lamp or similar article, substantially as shown and described.

113,930
DESIGN FOR A DRAPED PARTITION OR SIMILAR ARTICLE
Morris Lange, Cleveland, Ohio
Application September 1, 1938, Serial No. 79,662
Term of patent 7 years



The ornamental design for a draped partition or similar article, substantially as shown.

113,931
DESIGN FOR A COMBINED TIME CONVERSION CHART AND INDOOR RADIO AERIAL
Jay A. Morgan, Chicago, Ill.
Application October 4, 1938, Serial No. 80,246
Term of patent 7 years



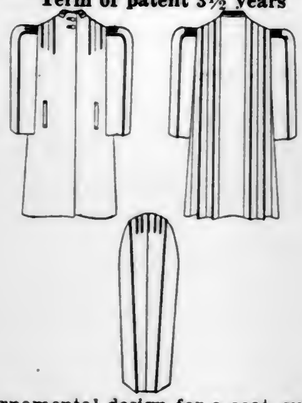
The ornamental design for a combined time conversion chart and indoor radio aerial, substantially as shown.

113,932
DESIGN FOR A COAT
William Heitner, New York, N. Y.
Application February 20, 1939, Serial No. 83,127
Term of patent 3½ years



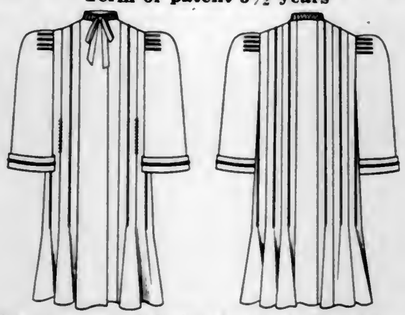
The ornamental design for a coat, substantially as shown.

113,933
DESIGN FOR A COAT
William Heitner, New York, N. Y.
Application February 9, 1939, Serial No. 82,888
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

113,934
DESIGN FOR A COAT
William Heitner, New York, N. Y.
Application February 9, 1939, Serial No. 82,889
Term of patent 3½ years



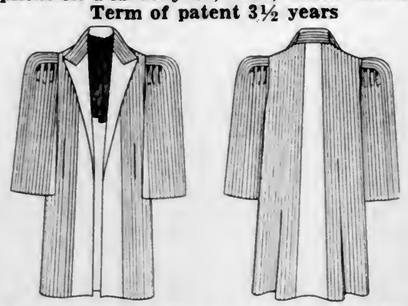
The ornamental design for a coat, substantially as shown.

113,935
DESIGN FOR A COAT
William Heitner, New York, N. Y.
Application February 20, 1939, Serial No. 83,128
Term of patent 3½ years



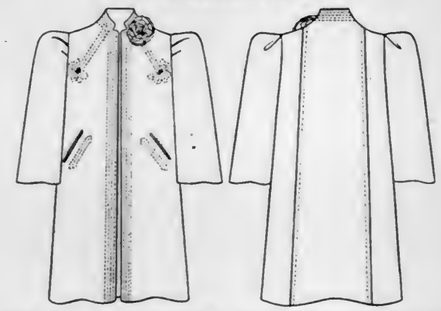
The ornamental design for a coat, substantially as shown.

113,936
DESIGN FOR A COAT
William Heitner, New York, N. Y.
Application February 21, 1939, Serial No. 83,141
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

113,937
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application February 21, 1939, Serial No. 83,142
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

113,938
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application February 21, 1939, Serial No. 83,135
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

113,939
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application February 21, 1939, Serial No. 83,136
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

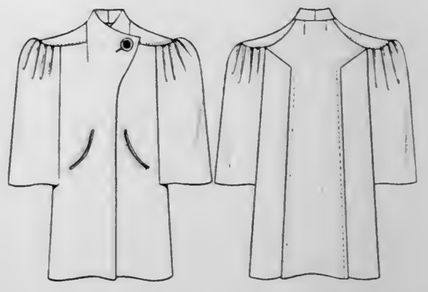
113,940
DESIGN FOR A BRACELET
Alfred Philippe, New York, N. Y.
Application February 21, 1939, Serial No. 83,137
Term of patent 3½ years





The ornamental design for a bracelet, substantially as shown.

113,941
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application February 7, 1939, Serial No. 82,828
Term of patent 3½ years



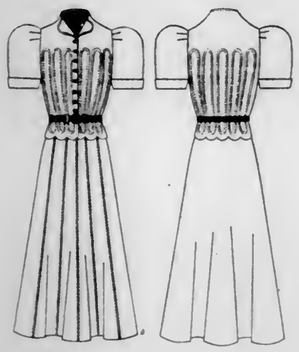
The ornamental design for a coat, substantially as shown.

113,942
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 15, 1939, Serial No. 82,990
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,943
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application February 15, 1939, Serial No. 82,991
Term of patent 3½ years



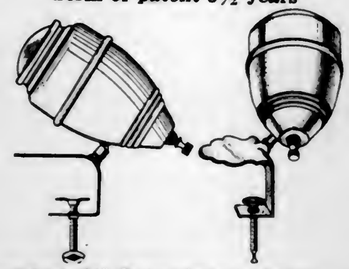
The ornamental design for a dress, substantially as shown.

113,944
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application February 10, 1939, Serial No. 82,901
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

113,945
DESIGN FOR A BED LAMP OR SIMILAR ARTICLE
Maurice Langbaum, Brooklyn, N. Y.
Application January 3, 1939, Serial No. 82,112
Term of patent 3½ years



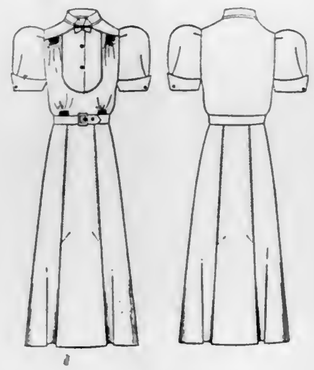
The ornamental design for a bed lamp or similar article, substantially as shown.

113,946
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application February 18, 1939, Serial No. 83,086
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

113,947
DESIGN FOR A DRESS
Elizabeth Shell, Festus, Mo.
Application February 17, 1939, Serial No. 83,032
Term of patent 3½ years



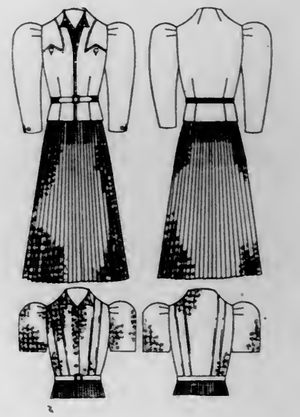
The ornamental design for a dress, substantially as shown and described.

113,948
DESIGN FOR A DRESS ENSEMBLE
Hannah C. Shelton, New York, N. Y.
Application February 17, 1939, Serial No. 83,028
Term of patent 3½ years



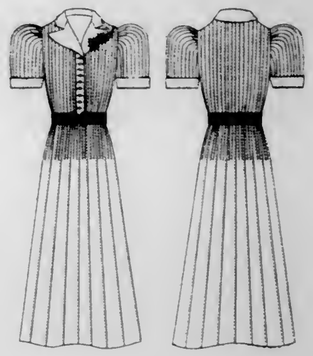
The ornamental design for a dress ensemble, substantially as shown.

113,949
DESIGN FOR A DRESS ENSEMBLE
Hannah C. Shelton, New York, N. Y.
Application February 17, 1939, Serial No. 83,029
Term of patent 3½ years



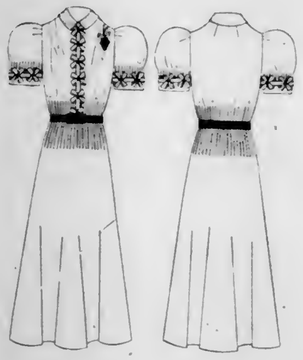
The ornamental design for a dress ensemble, substantially as shown.

113,950
DESIGN FOR A DRESS
Hannah C. Shelton, New York, N. Y.
Application February 17, 1939, Serial No. 83,030
Term of patent 3½ years



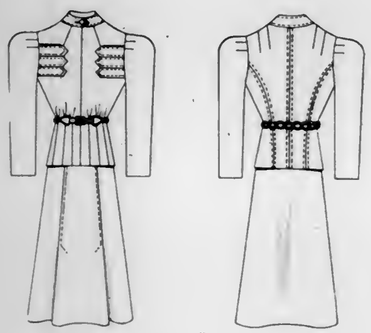
The ornamental design for a dress, substantially as shown.

113,951
DESIGN FOR A DRESS
Hannah C. Shelton, New York, N. Y.
Application February 17, 1939, Serial No. 83,031
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

113,952
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application February 7, 1939, Serial No. 82,829
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

113,953
DESIGN FOR A SUIT ENSEMBLE
Abraham Breitman, New York, N. Y.
Application February 13, 1939, Serial No. 82,956
Term of patent 3½ years



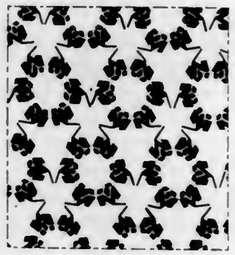
The ornamental design for a suit ensemble, substantially as shown.

113,954
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marcel Christen, New York, N. Y.
Application January 9, 1939, Serial No. 82,252
Term of patent 3½ years



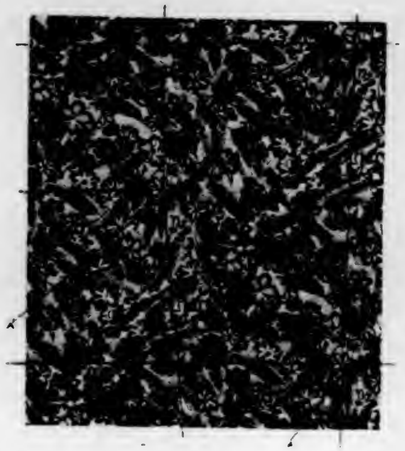
The ornamental design for a textile fabric or similar article, as shown and described.

113,955
DESIGN FOR A TEXTILE FABRIC
Ralph Flatow, New York, N. Y.
Application February 18, 1939, Serial No. 83,082
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

113,956
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 20, 1939, Serial No. 83,124
Term of patent 3½ years



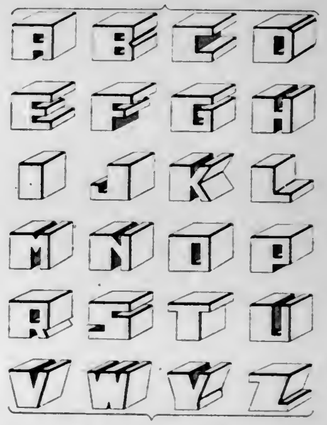
The ornamental design for a textile fabric, substantially as shown and described.

113,957
DESIGN FOR A TEXTILE FABRIC
Arthur S. Mandelbaum, New York, N. Y.
Application February 10, 1939, Serial No. 82,914
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

113,958
DESIGN FOR ALPHABET LETTERS, FOR FORMING MONOGRAMS
Harold C. Vaisey, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 18, 1939, Serial No. 82,422
Term of patent 7 years



The ornamental design for alphabet letters for forming monograms, substantially as shown and described.

THE

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March 28, 1939

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Prints	22—No.	17,280 to No.	17,301, inclusive.
Reissues	5—No.	21,035 to No.	21,039, inclusive.
Plant Patents	3—No.	320 to No.	322, inclusive.
Patents	951—No.	2,151,672 to No.	2,152,622, inclusive.
Designs	94—No.	113,959 to No.	114,052, inclusive.
Total	1,300		

Adjudicated Patents

(D. C. N. Y.) Richter patent, No. 1,695,609, for tailboard and tailboard mounting for trucks and the like, claims 1, 2, and 4 *Held* valid and infringed. *Perfect Tailboards, Patented* v. *Biltwell Auto Body Co.*, 25 F. Supp. 930.

(D. C. N. J.) Dickinson patent, No. 1,742,497, for hypodermic syringe, *Held* valid and infringed. *Becton, Dickinson & Co.* v. *Payne*, 25 F. Supp. 915.

(D. C. N. J.) Dickinson patent, No. 1,793,068, for hypodermic syringe and needle therefor, *Held* valid and infringed. *Id.*

(D. C. Calif.) Stoody, Stoody and Cole patent, No. 1,803,875, for method of facing tools and resulting product, claims 5 to 7, 10 to 15, and 17 *Held* invalid. *Stoody Co.* v. *Carlton Metals*, 25 F. Supp. 935.

(D. C. N. J.) Irving patent, No. 1,991,154, for bridge, *Held* invalid. *Irving* v. *Kerlow Steel Flooring Co.*, 25 F. Supp. 901.

(D. C. Mass.) Freeman reissue patent, No. 20,202, for cut-out machine for shoe uppers, claims 6, 8, and 9 *Held* valid and infringed. *Freeman* v. *Premier Mach. Co.*, 25 F. Supp. 927.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,999,118, A. S. Simsack, Shielding system for radio receiver equipped vehicles, decided January 9, 1939, claims 1, 2, 3, and 4.

Pat. 2,046,049, E. M. Allen, Railway traffic controlling apparatus, decided February 15, 1939, claims 1, 3, 9, and 20.

Pat. 2,125,697, W. T. Swingle and L. P. Buckley, Centrifugal blower wheel, decided March 9, 1939, claims 1 and 3.

Design Pat. 105,811, J. S. Sherman, Design for a combined appointment pad and clock, decided March 4, 1939, the claim as shown.

Disclaimer

2,033,735.—*Charles Pack*, Forest Hills, N. Y. Molding Apparatus. Patent dated March 10, 1936. Disclaimer filed February 25, 1939, by the assignee, *Tennessee Eastman Corporation*,; the patentee, assenting.

Hereby enters this disclaimer to claim 1 of said Letters Patent.

2,054,059.—*William J. Longtin*, Reading, Pa. Hosiery. Patent dated September 8, 1936. Disclaimer filed January 31, 1939, by the assignee, *Infant Socks, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 7, 17, 18, and 19, inclusive.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Condition of Applications Under Examination at Close of Business March 11, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,408; Trade-Mark Division, 1,491. Oldest new case, July 19, 1933; oldest amended, July 19, 1938.) (The dates given are 1938 except where † indicates 1939) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 6	Oct. 11	699
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 7	Oct. 7	652
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Jan. 25	†Jan. 23	229
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Nov. 25	Nov. 5	407
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 15	Dec. 14	535
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 11	Sept. 7	1084
5725	7. JARBOE, C. G., Optics; Photography	Nov. 30	Nov. 30	936
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 16	Nov. 4	885
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 14	Nov. 17	567
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 28	Dec. 20	596
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Nov. 26	Dec. 2	446
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 1	Sept. 3	647
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 4	Oct. 4	714
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Dec. 21	Dec. 19	457
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 5	Nov. 5	1120
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 16	Sept. 28	733
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 12	Oct. 11	494
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 9	Sept. 17	535
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Nov. 21	Nov. 30	472
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 27	†Jan. 5	267
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 12	Dec. 6	482
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 18	Nov. 23	702
7624	23. BUTTNER, W. J., Registers (part)	July 19	July 19	278
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 29	†Jan. 3	395
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 18	Nov. 23	414
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 12	Nov. 12	592
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment	Sept. 8	Sept. 9	1010
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 8	Nov. 10	455
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 2	Nov. 2	630
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 19	Sept. 21	879
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 11	Dec. 12	622
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Nov. 25	Oct. 19	477
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Nov. 29	Nov. 12	684
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Jan. 4	†Jan. 12	258
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 13	Nov. 15	591
7802	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 5	Oct. 10	567
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 14	Aug. 19	665
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 25	Sept. 25	524
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 1	Dec. 1	499
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 11	Oct. 11	1454
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Sept. 9	209
5882	42. CUTTING, H. O., Electric Signaling	Aug. 18	Aug. 12	656
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 1	Nov. 1	453
4087B	44. HARVEY, L. P., Refrigeration	Oct. 12	Oct. 11	630
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 20	Oct. 26	667
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 20	Oct. 20	703
6082	47. LOWE, E. R., Clutches; Brakes	Nov. 7	Nov. 19	394
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 16	Dec. 15	355
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 31	Aug. 22	974
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 2	Sept. 9	1223
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 2	Dec. 2	713
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 2	Nov. 29	772
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 26	Dec. 2	607
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Dec. 15	Dec. 14	376
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1278
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 11	Oct. 11	1055
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 25	Oct. 10	428
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 9	Dec. 10	334
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 1	Dec. 6	613
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 3	Nov. 10	446
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 4	Oct. 6	536
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 19	Dec. 20	461
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 31	Nov. 2	392
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 4	Nov. 1	917
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Sept. 29	Oct. 6	613
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND — Trade-Marks	†Feb. 2	†Feb. 23	1409
2605	Labels and Prints	†Mar. 6	†Mar. 8	82
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DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE NEWSOME

No. 4,029. Decided December 19, 1938

[— F.(2d) —]

PATENTABILITY—GOLF CLUB HEAD.

Certain claims for a balanced head for a golf club *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. John W. Farley (*Mr. Frank W. Dahn* of counsel) for Newsome.

Mr. *R. F. Whitehead* (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 25 to 31, inclusive, 34, and 36 to 39, inclusive, in appellant's application for a patent for an alleged invention relating to improved heads for golf clubs.

Four claims, Nos. 22, 32, 33, and 35, in appellant's application were allowed by the Primary Examiner.

Of the appealed claims, Nos. 25, 31, 34, 36, and 39 are sufficiently illustrative. They read:

25. A balanced golf club head having a neck at one end for attachment to a shaft, the material of said head and neck being so distributed as to locate the center of mass behind and approximately in line with the geometrical center of the striking face of the club head, substantially as set forth.

31. A balanced head for a golf "iron" having a neck at one end and consisting of an integral piece of standard weight, with weight removed adjacent the neck and along the top of the head in progressively decreasing ratio toward the free end of the head, the lower portion of the head being correspondingly increased in weight progressively toward the free end of the head.

34. A balanced head for a golf "iron" having a neck at one end and consisting of an integral piece of standard weight having a top surface, the side edges of which form parallel lines which are at right angles to the intended line of flight of the ball when the club is in ball-addressing position, with weight removed from the rear face of the head below the top surface in progressively decreasing ratio toward the free end of the head, the lower portion of the head being correspondingly increased in weight progressively toward the free end of the head.

36. A balanced head for a golf club having a neck at one end, said head having parallel side lines at its top approximately parallel to the ground and at right angles to the intended line of flight of the ball when the club is in ball-addressing position, such lines affording sighting means for the player, said head having its weight reduced in the inner or heel half and being made heavier at the toe below the middle of the head, so as to position its center of gravity approximately at the middle of the head.

39. A balanced golf "iron" head, said head providing a blade and a hosel, the latter adapted for attachment of said head to a club shaft, said blade being of conventional shape except for an increase of relative weight toward the toe and said head and hosel being so proportioned as to provide a head of approximately standard weight, but in which the weight distribution is such that the center of mass is approximately directly behind the geometrical center of the striking face.

The references are: Govan, 1,133,129, March 23, 1915; Doerr, 1,467,714, September 11, 1923.

It appears from the record that golf clubs were originally made with wood shafts which in time, became warped and loose in the club heads; that, since about 1923, steel shafts have, to a considerable extent, displaced the wood shafts; that, although steel shafts do not warp and become loose, their use presented a new problem to the art—that of vibration, particularly in clubs (irons) composed of steel shafts and metal heads. To solve this problem, a resilient member or sleeve was interposed between the lower end portion of the shaft and the neck of the club head. For this advance in the art, Patent No. 1,551,563 was issued September 21, 1925, to one P. E. Heller. It appears, however, that in spite of the patentee Heller's contribution to the art there remained considerable vibration in steel-shaft clubs, with consequent stinging of the hands of users. It further appears from the record that manufacturers of golf clubs indicate on the face of each club head at approximately its geometrical center, by circular or other marks, where it should come in contact with the golf ball in order to secure the best results. The weight of such club heads, however, is not so distributed that the center of mass is at the indicated point of contact.

Appellant contends that he has solved the problem confronting the art—the elimination of vibration—by providing a properly balanced club head; that is, a club head with its weight so distributed as to bring the center of mass at approximately the geometrical center of the striking face of the club head. Appellant also contends that his balanced club head greatly aids the player in controlling the direction of the flight of the ball.

Generally, although appellant's application is not limited to any specific form, it may be said that the weight of appellant's club head is distributed by forming a recess in the rear face, the recess being wide adjacent the neck of the club head and diminishing progressively upwardly toward the toe, as stated, for example, in appealed claim 31. As compared with golf club heads commonly in use, the weight of appellant's club head is shifted more toward the toe. As an aid in so shifting the weight, the neck of the club head may be reduced in weight.

One feature of appellant's alleged invention is referred to in his brief as follows:

A subsidiary feature of the invention relates to the shape of the upper face of a club head. In some of the several forms illustrated in the drawings this extends over the full width of the head and is flat, with parallel sides. In a putter such edges serve as a guide or gauge to help the player in lining up the putter head with reference to the cup; so-called "sighting" of the ball.

With reference to the allowed claims, counsel for appellant states in his brief that—

All of the allowed claims and two of the rejected claims include both the weight distribution feature and the sighting feature, and so are limited substantially to putters, although the applicability of the weight distribution feature to clubs of various types has been recognized from the beginning, as shown by the first paragraph of the specification as filed. No claims are allowed for *either of the two above mentioned features alone.* [Italics ours.]

The patent to Doerr relates to golf clubs, more particularly to putters. It discloses a putter with a concave face. The patent was cited by the Primary Examiner, because, he said, Figure 5 thereof discloses a club head face having its upper and lower

edges parallel to each other—one of the features in appealed claim 29.

The patent to Govan relates to golf clubs, and discloses golf club heads with apertures in the rear face of the club heads and discs of varying weights to be inserted in such apertures for the purpose of shifting the weight of the club head as desired by the user. The patentee stated that the apertures might extend partly or entirely through the club head.

In his statement of August 20, 1936, the Primary Examiner stated that the Govan patent "specifically claims a club which has means for adjusting the center of gravity with respect to the head", and that "to position the center of gravity behind the center of impact would not involve invention".

In the case of *In re Schmidt*, 25 C. C. P. A. (Patents) 1265, 97 F.(2d) 157, 37 U. S. P. O. 745, 496 O. G. 1120, we considered the patentability of claims for an alleged invention which we there described in the language of the Primary Examiner, in part, as follows:

> The applicant's device is a golf club in which the center of impact of the club face is positioned at some point along a line vertical to the lower edge of the striking face which divides the geometric center of the striking face in half. The material in the club is so positioned that the weight of material on the toe side of the club is equal to the weight of material on the heel side of the club, the material in the hosel being considered as part of the heel. In other words, it is intended that the center of mass of the entire head will lie on the same vertical line as the intended center of impact.

One of the references in that case was the patent to Govan, the principal reference in the instant case; another, was a patent to one Spiker which we there said related "to a golf putter in which there are provided, in the rear face of the head of the club, recesses or holes which may be plugged with lead or other heavy material in order to obtain or assist in obtaining the proper balance of the club".

It will be observed that in the application there before us it was the purpose of the applicant to so distribute the weight of a club head "that the center of mass of the entire head will lie on the same vertical line as the intended center of impact". In holding that the claims there involved were not patentable over the patents to Govan and Spiker (the patent to Spiker being merely cumulative in that case, so far as the issues in the instant case are concerned), we said:

> Even if the structures disclosed in said patents might not permit the exact balance of the head that appellant discloses, we think such structures could be easily modified, without the exercise of the inventive faculty, to produce the exact structure disclosed by appellant.
>
> One skilled in the art might not realize the exact principles upon which such improved head operated, but the discovery of such principles would not constitute invention. *In re Langdon*, 22 C. C. P. A. (Patents) 1245, 77 F.(2d) 920; *In re Ebert et al.*, 19 C. C. P. A. (Patents) 1087, 57 F.(2d) 356.
>
> We think that if the involved claims were allowed, one carrying out the teachings of the references and securing a balanced club head satisfactory to him might find himself in conflict with said claims in a patent.
>
> We are of the opinion that appellant has done nothing more, assuming all of the advantages of the club head disclosed by him, than to fix in definite terms a balanced club head that any one skilled in the art might, in view of the references, produce without the exercise of the inventive faculty.

The similarity between the issues in that case and those in the instant case is readily apparent. Obviously, if it did not involve invention to construct a club head having its center of mass on the same vertical line as the intended center of impact, in view of the disclosures in the patents to Govan and Spiker, as was held in the case of *In re Schmidt*, supra, it would not involve invention in the instant case, in view of the patent to Govan (the disclosure in the Spiker patent being merely cumulative in that case, so far as the issues here are concerned), to so distribute the weight of the club head that its center of mass is approximately in line with the geometrical center of its striking face.

Subsequent to the original decision of the Board of Appeals, appellant filed a motion for leave to amend certain of the appealed claims. The motion was denied by the Primary Examiner for two reasons; to wit, because it was unsigned, and because the requested amendments were "inapt and confusing in referring to the 'optical center' of the club head". In its second decision, the Board of Appeals refused to recommend the entry of the amendments. We are unable to hold that the Board erred in refusing to recommend that the amendments be entered.

With regard to the subsidiary or sighting feature of the alleged invention, which, as stated by counsel for appellant, relates "to the shape of the upper face of a club head" and is included in claims 29, 34, and 36, it is sufficient to say that it is not claimed here that that feature lends patentability to those claims, and, as no error is assigned here raising that issue, it is not before us for consideration.

For the reasons stated, the decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BEESON

No. 4,017. Decided December 19, 1938

[100 F.(2d) 191]

PATENTABILITY—SIDINGS.

Claims for a siding *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. William T. Geier (*Mr. Lester F. Dittenhoefer* of counsel) for Beeson.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner rejecting, for want of patentability over the prior art, all of the claims, 6, 7, and 8, of an application for a patent for an improvement on sidings.

The references cited are: Docker, 1,887, December 10, 1840; Braun (Swiss), 10,454, June 1, 1895; Chilcott (British), 15,872, July 2, 1910; Munro, 1,593,094, July 20, 1926.

Claim 7 is illustrative and reads as follows:

> 7. A siding composed of a plurality of substantially rectangular fiber-cement shingles arranged in overlapping horizontal courses, with the shingles of each course laid end to end, and with a piece of water-proofed felt underlying each joint and supporting two adjacent shingles at their ends but not extending under the bodies of the shingles.

The application relates to a covering or siding of asbestos-cement shingles, substantially rectangular in shape, each containing preformed space perforations or holes adjacent the upper edge and one similar hole at each of the exposed lower corners. Under each joint made by the abutting sides of the shingles is a relatively narrow strip of water-proofed felt, which is soft and compressible. The shingles are laid in the usual fashion, each row being superimposed upon the subjacent row for a portion of its length. Nails are driven through the said holes to fasten the units. The exposed nails in the corner holes penetrate through the underlying, soft felt strips into the sheathing and it is said that this results in sealing the joint against water, and prevents breakage of the shingle in nailing.

The Docker patent relates to roofing or wall facing in which the shingles of slate, tile or metal are laid and fastened in the usual way with strips of metal treated to resist the action of moisture beneath each abutting joint. Hydraulic cement or other composition is placed upon the metal strips. This construction appears to result in water-tight joints.

The Braun (Swiss) patent relates to water-tight tile roofing in which the tiles are laid on continuous strips of felt.

The British patent to Chilcott relates to a method of fastening slate shingles upon roofs. The shingles are fastened to the roof by means of screws fitted one to each shingle in a preformed hole near the middle of the exposed edge. The screws are dipped into white or red lead and fit the holes exactly. The method appears to result in a roof covering resistant to dampness and wind.

The patent to Munro discloses a composite shingle composed of a back layer of felt and a slate face. The felt back extends any desired distance above the slate. A cushioning strip of felt is placed between the under and the overlapping shingle rows. This strip is a cushioning and sealing means for the nails driven through the slate.

The Examiner rejected claims 7 and 8 as being unpatentable over the Docker patent in view of either the Braun or Munro patents. Claim 6 was rejected by the Examiner on all of the references, his decision stating that Munro shows the advantage of nailing through the felt and that it is obvious to nail along the exposed edge in view of Chilcott. The Board agreed with these grounds of rejection.

It appears to us that the use of water-proofed felt strips for the metal strips disclosed in the Docker patent is but an obvious substitution of material. Both strips are material that has been water-proofed.

Both the Braun and Munro patents show the use of felt backing as a cushioning means, and Munro particularly sets forth that the felt is a sealing means in nailing. Therefore, we cannot hold that the use of felt for cushioning and sealing, as claimed here, discloses anything that is not old in the art.

The fact that the felt shown in the application does not extend under the entire surface of the shingle is immaterial because whether it does or not, it apparently is a cushion for the shingle and a seal for the joint.

It is clear to us that nailing on the exposed corners through preformed holes is shown in the Chilcott patent and consequently this feature of the claims cannot be considered as involving invention.

Appellant contends that the Board erred in holding claim 8 to be illustrative of all of the claims and also that individual consideration was not given to each of the claims. There is no difference between claims 7 and 8 except that the words "waterproofed" in claim 7 are replaced with the words "asphalt saturated" in claim 8. Appellant does not claim that asphalt saturated or water-proofed felt is part of his invention and in his brief he requests that we consider his argument concerning claim 7 to be applicable to claim 8. We are of opinion that since there is no substantial difference in the subject matter of these claims there was no error on the part of the Board in quoting claim 8 as illustrative and in failing to discuss claims 7 and 8 separately.

Claim 6 was separately considered by both the Examiner and the Board, the decision of the latter stating:

> Claim 6 sets out a particular arrangement of the nailing perforations but this arrangement is considered not to be patentable over the arrangements disclosed in the references.

With this holding of the Board we are in accord as we have hereinbefore stated.

We cannot consider the statements in the brief of appellant as to the commercial success of his device. They are not in the record. *In re Kochendorfer*, 18 C. C. P. A. (Patents) 761, 44 F.(2d) 418, 402 O. G. 521.

We think it is clear, from what has heretofore been said, that the claims herein were properly rejected as being unpatentable over the prior art cited. The combining of references was proper in this case. Under such circumstances it is not necessary that a reference contain all of the features of a claim. *In re Hodgson*, 25 C. C. P. A. (Patents) 1110, 96 F.(2d) 285, 495 O. G. 712; *In re Cordes*, 22 C. C. P. A. (Patents) 1158, 76 F.(2d) 302, 459 O. G. 931.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,371,004. (See Re. 19,282.)

1,382,738, M. C. Latour, Amplifying apparatus; 1,405,523, same, Audion or lamp relay or amplifying apparatus, D. C., S. D. N. Y., Doc. E 85/193, *Latour Corp. v. Chevrolet Motor Co. et al.* Consent order of discontinuance without prejudice (notice Jan. 20, 1939).

1,405,523. (See 1,382,738.)

1,433,901, S. Marcus, Artificial eyes for dolls, display figures, etc., 1,947,283, J. H. Wilhelm, Eye set for dolls, D. C., S. D. N. Y., Doc. E 79/32, *Margon Corp.* v. *Well Made Doll Co., Inc.* Dismissed for lack of prosecution (notice Jan. 23, 1939).

1,455,058, N. M. Lower, Locomotive stoker; 1,642,076, Lower & Chalker, Distributor tube for stokers, D. C., E. D. Va., Doc. E 235, *The Standard Stoker Co., Inc.*, v. *Berkley Machine Works & Foundry Co., Inc.* Claims 1, 4, and 7 of 1,455,058 held valid but not infringed. Claims 2, 8, and 9 of 1,455,058, and claims 1, 4 to 9 inclusive, 12, and 13 of 1,642,076 held invalid Dec. 22, 1938.

1,473,248, A. E. Norris, Hoisting device; 1,478,756, same, Cable-winding apparatus; 1,486,845, A. M. Stanley, Automobile winch; 1,596,167, V. L. Farnsworth, Cable-winding apparatus, filed Jan. 19, 1939, D. C., N. D. Okla. (Tulsa), Doc. 71, *Gar Wood Industries, Inc.*, v. *Baden Winch Co. et al.*

1,478,756. (See 1,473,248.) 1,486,845. (See 1,473,248.)

1,536,910, O. G. Norton, Accelerating device; 1,840,471, Shepard & Culp, Accelerating means for automotive carburetors, filed Jan. 17, 1939, D. C., E. D. Mich., S. Div., Doc. 422, *G. M. Holley et al.* v. *Chandler-Evans Corp. et al.*

1,560,361, F. B. Allen, Fluid method and apparatus for controlling and removing material from hoppers; 1,785,539, same, Method and means for storing and removing refuse; 1,863,218, same, Method of and apparatus for handling ash; 1,866,756, J. Deutsch, Disposal of furnace residues, filed Jan. 12, 1939, D. C., E. D. N. Y., Doc. 168, *The Allen-Sherman-Hoff Co.* v. *National Conveyors Co., Inc., et al.*

1,569,484, E. J. Hall, Process and method of disintegrating metals in a ball-mill or the like; 2,002,891, same, Bronze, bronze powder, and method of making same, filed Dec. 24, 1938, D. C. Del., Doc. 28, *Metals Disintegrating Co., Inc.*, v. *Reynolds Metals Co.*

1,570,364, J. Wieder, Sample tab; 2,068,393, Bulwa & Felsbusch, Tab, D. C., S. D. N. Y., Doc. E 84/400, *Standard Sample, Inc., et al.* v. *Artcraft Sample Card Co., Inc., et al.* Complaint and counterclaim dismissed (notice Jan. 17, 1939).

1,596,167. (See 1,473,248.)

1,614,972, A. W. Scotcher, Carton; Re. 19,028, L. Sugerman, Twin-section egg carton, C. C. A., 2d Cir., Doc. —, *L. Benoit* v. *Dub-l Cushion Egg Carton, Inc.* Decree affirmed (notice Jan. 23, 1939).

1,642,076. (See 1,455,058.)

1,690,116, A. M. Hunt, Stoker construction; 1,724,593, same, Stoker conveyor, D. C. Va. (Norfolk), Doc. E 234, *The Standard Stoker Co., Inc.*, v. *Berkley Machine Works & Foundry Co., Inc.* Claims 1 to 5 inclusive of 1,690,116, and 1 to 13 inclusive of 1,724,593 held invalid. Claim 14 of 1,724,593 held valid and infringed Dec. 22, 1938.

1,715,000, 1,728,955, A. Cheney, Interlocking metal flashing; 1,871,585, same, Metal flashing; 1,939,619, same, Metal flashing; 1,947,131, Levow & Ratner, Interlocking metal flashing, filed Dec. 16, 1938, D. C., E. D. Pa., Doc. 112, *The Cheney Co.* v. *H. P. Orth* (*Keystone Flashing Co.*).

1,724,593. (See 1,690,116.)

1,728,909. (See Re. 17,624.)

1,728,955. (See 1,715,000.)

1,756,857. (See Re. 17,624.)

1,785,539. (See 1,560,361.)

1,794,229. (See Re. 17,624.)

1,812,811. (See Re. 17,624.)

1,840,471. (See 1,536,910.)

1,842,660. (See Re. 18,755.)

1,843,768. (See Re. 17,624.)

1,863,218. (See 1,560,361.)

1,866,756. (See 1,560,361.)

1,866,966, R. Connor et al., Posting stand; 1,872,248, same, Loose-leaf binder, D. C., S. D. N. Y., Doc. E 87/89, *The McBee Co.* v. *The Federbush Co., Inc.* Consent decree for plaintiff (notice Jan. 18, 1939).

1,871,585. (See 1,715,000.) 1,872,248. (See 1,866,966.)

1,902,440, E. R. Gill, Jr., Sign; 2,043,414, F. H. Korff, Marker for highway, filed Oct. 3, 1938, D. C., S. D. N. Y., Doc. 1/73, *The Refractolite Corp.* v. *Prismo Holding Corp. et al.*

1,910,419. (See Re. 20,776.)

1,918,549, T. J. McCormick, Tire cover; Des. 89,348, McCormick & Linn, same, D. C., E. D. Mich. (Detroit), Doc. 6135, *T. J. McCormick* v. *Ryerson & Haynes, Inc.* Dismissed Jan. 16, 1939.

1,939,619. (See 1,715,000.) 1,947,131. (See 1,715,000.)

1,947,283. (See 1,433,901.)

1,988,056, F. W. Storck, Method and apparatus for duplicating printed matter; Re. 19,951, same, Apparatus for duplicating imprinted matter, C. C. A., 1st Cir., Doc. 3364, *Standard Mailing Machines Co.* v. *Ditto, Inc.* Decree of lower court affirmed as to claim 8; reversed as to claim 3, and also insofar as it limits the scope of claims 3, 19, 20, 21, 22, 29, 30, 32, 34, and 40, all claims in issue except claim 8 held valid, and claims 3, 19, 20, 21, 22, 29, 30, 32, 34, and 40 infringed. Remanded to lower court for further proceedings (notice Jan. 17, 1939).

2,002,891. (See 1,569,484.)

2,020,207, O. R. Platter, chair; 2,072,074, Travers & Morris, Folding chair, D. C., S. D. N. Y., Doc. E 85/99, *Mahoney Chair Co.* v. *J. Davidson.* Consent decree for plaintiff (notice Dec. 19, 1939).

2,023,295, H. L. Thackwell, Sludge digesting tank; Re. 19,878, Keefer & Wachter, Sewage treating apparatus; Re. 20,072, C. H. Scott, Sedimentation apparatus, D. C., N. D. Iowa (Cedar Rapids), Doc. 5, *The Dorr Co., Inc.*, v. *The City of Anamosa, Iowa, et al.* Dismissed without prejudice Jan. 9, 1939.

2,029,561. (See 2,036,757.)

2,030,725, M. A. Sticelber, Means for controlling temperatures in the refrigerating systems of package sealing machines; 2,092,144, same, Sealing machine; 2,049,876, same, Sealing equipment for wrapping machines; 2,053,540, W. Stoneman, Jr., Heat-exchange unit for wrapping machines; 2,103,544, W. N. McWade, Refrigerated sealing equipment, filed Jan. 23, 1939, D. C., W. D. Mo. (Kansas City), Doc. 134, *Quick-Seal, Inc.*, v. *M. A. Sticelber et al.*

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels; 2,029,561, V. L. Du Sang, Wheel balancing weight, filed Jan. 9, 1939, D. C., S. D. Calif., C. Div., Doc. 195–C, *H. C. Loney Co. et al.* v. *W. F. Wright.*

2,043,414. (See 1,902,440.) 2,049,876. (See 2,030,725.)

2,053,540. (See 2,030,725.) 2,068,393. (See 1,570,364.)

2,072,074. (See 2,020,207.) 2,092,144. (See 2,030,725.)

2,103,544. (See 2,030,725.)

Re. 17,624, K. Schroter, Hard metal alloy and process of making; 1,728,909, same, Method of making tools from hard alloys produced by sintering; 1,756,857, E. G. Gilson, Hard metal composition and method of making same; 1,843,768, S. L. Hoyt, same; 1,794,229, same, Method of making hard metal compositions; 1,812,811, B. Strauss, Sintered hard metal alloy and articles made thereof, filed Jan. 19, 1939, D. C., E. D. Mich., S. Div., Doc. 432, *General Electric Co. et al.* v. *Willey's Carbide Tool Co. et al.*

Re. 18,755 (of 1,842,660), F. J. Day, Air conditioning means, D. C., S. D. Calif., C. Div., Doc. 10–C, *F. J. Day, Jr., et al.* v. *Phillips Refrigeration Products, Inc., et al.* Dismissed with prejudice Jan. 16, 1939.

Re. 19,028. (See 1,614,972.)

Re. 19,282 (of 1,371,004), F. Slama, Oxidation of sulphur dioxid and catalyst therefor, C. C. A., 4th Cir., Doc. 4397, *The General Chemical Co.* v. *Standard Wholesale Phosphate & Acid Works, Inc.* Decree affirmed Jan. 12, 1939.

Re. 19,878. (See 2,023,295.)

Re. 19,951. (See 1,988,056.)

Re. 20,072. (See 2,023,295.)

Re. 20,776 (of 1,910,419), F. H. Amon, Method of producing colored concrete, suit for declaratory judgment filed Jan. 16, 1939, D. C., S. D. N. Y., Doc. 2/176, *Thompson Materials Corp.* v. *Dewey & Almy Chemical Co. et al.*

Des. 87,097, J. J. Klecka, Finger ring; Des. 93,423, A. Samuels, Wedding ring, D. C. Del., Doc. E 1249, *J. R. Wood & Sons, Inc.*, v. *A. S. Samuels Co.* Consent decree dismissing bill Jan. 12, 1939.

Des. 89,348. (See 1,918,549.)

Des. 93,423. (See Des. 87,097.)

Changes in Classification

Order No. 3,458, March 10, 1939, directs:

In *class 2, Apparel* (Division 24), subclass 278, cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 113, in note (5), at the end thereof add:

The fluid treatment of strands for coating or impregnating purposes when combined with spinning, twisting or twining, is in class 57, TEXTILES, SPINNING, TWISTING AND TWINING.

In *class 14, Bridges* (Division 33), subclass 22, under "Search classes" add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses, for twisted or spirally wrapped cables;

and in subclass 23 add the following note:

Note.—For apparatus for spirally wrapping suspension bridge cables, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, particularly subclass 10.

In *class 18, Plastics* (Division 15), subclass 8, add the following note:

(4) Note.—For machines for spinning, twisting or twining filaments, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING;

and in subclass 54 add the following note:

(5) Note.—For processes of spinning, twisting or twining filaments, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 156 and indented subclasses.

In *class 19, Textiles, Fiber Preparation* (Division 21), subclass 4, add the following note:

Note.—For devices for covering or wrapping quill-stock, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, particularly subclass 4;

in subclass 66, under "Search classes" add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, for spinning, twisting or twining operations combined with coating or impregnating;

in subclass 98 cancel note (2) and substitute:

(2) **Search Class—**

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 50, for combined carding and spinning operations;

in subclass 130 cancel note (2) and substitute:

(2) **Search Class—**

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 36 and indented subclasses, for combined drawing and spinning operations;

and in subclass 154 cancel the existing note and substitute:

Search Class—

57—TEXTILES, SPINNING, TWISTING AND TWINING, particularly subclass 128, for twister heads per se.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), subclass 4, add the following note:

(4) Note.—For methods of coating and impregnating strands combined with spinning, twisting or twining operations, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 162, 164, and 165.

In *class 28, Textiles* (Division 21), main class definition, in note (1) cancel the reference to classes 117, Textiles, Twisting or Twining, and 118, Textiles, Spinning, and substitute therefor:

57—TEXTILES, SPINNING, TWISTING AND TWINING;

and in subclass 59 under "Search classes" add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 29, Metal Working* (Division 14), subclass 171, add the following note:

Note.—For spinning rings see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 119 and indented subclasses.

In *class 36, Boots, Shoes and Leggings* (Division 11), subclass 23, change the first sentence of the note to read:

Threads for this purpose are found in class 57, TEXTILES, SPINNING, TWISTING AND TWINING.

In *class 41, Ornamentation* (Division 17), subclass 10, in note (2) add in the appropriate place:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses, for ornamental twisted strands.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), subclass 27, change note (3) to read:

(3) Note.—For fish-lines per se and machines for making them, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING.

In *class 56, Harvesters* (Division 5), subclass 462, cancel the existing note and substitute:

Note.—For machines and processes for forming twisted or spirally wrapped strands of hair, grass and the like, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 4, 28, 29, 30, and 156 and indented subclasses.

In *class 64, Machine Elements, Shafting and Flexible Shaft Couplings* (Division 45), subclass 2, in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 66, Textiles, Knitting* (Division 21), subclass 158, cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 80 and indented subclasses;

and in subclass 161 in note (2) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING subclass 81.

In *class 74, Machine Elements and Mechanisms* (Division 12), subclass 216.5, number the existing note (1) and add:

(2) **Search Class—**

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 104 and 105;

in subclass 231, in note (5) add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 158;

in subclass 242.8 in note (2) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 105;

in subclass 242.10 in note (2) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 105;

and in subclass 242.11 in note (3) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 105.

In *class 84, Music* (Division 5), subclass 199, add the following note:

Note.—For spirally wrapped strands of general application, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 144 and indented subclasses.

In *class 91, Coating* (Division 50), at the end of the main class definition add:

For processes and apparatus for coating or impregnating strands combined with spinning, twisting or twining operations, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 93, Paper Manufactures* (Division 17), in the main class definition number the existing note (*1*) and add:

(2) Note.—For processes and apparatus for making twisted or spirally wrapped strands of paper or cellulose tape, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

in subclass 2 number the existing note (*2*) and add:

(1) Note.—Machines for spirally wrapping strands of indefinite length are classified in class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 3 and indented subclasses;

and in subclass 79 add the following note:

Note.—For machines for spirally wrapping strands of indefinite length, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 3 and indented subclasses.

In *class 96, Textiles, Braiding, Netting or Lace Making* (Division 21), subclass 23, add the following note:

Note.—For strands made by spinning, twisting or twining, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses.

In *class 112, Sewing Machines* (Division 24), subclass 23 add the following note:

Note.—For machines for twisting straw into strands, combined with sewing, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 4 and 6.

In *class 128, Surgery* (Division 55), subclass 335.5, number the existing note (*2*) and add:

(1) Note.—For twisted strands of general application, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses.

In *class 138, Pipes and Tubular Conduits* (Division 52), in the main class definition, in note (25), cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

and in subclass 49 in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 139, Textiles, Weaving* (Division 21), subclass 395, add the following note:

Note.—For chenille strand structures and machines and processes for making the same, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 24, 143, and 156.

In *class 140, Wire Working* (Division 14) subclass 58, in note (2) cancel the reference to class 117, Textiles, Twisting or Twining; in subclass 71, under "Search classes" cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses, for wire rope and cord making;

in subclass 88 in note (2) add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 21, 141, and 158, for endless bands made by twisting or twining operations and machines and processes for making them;

in subclass 133 cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

in subclass 137 cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

and in subclass 149 in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 144, Woodworking* (Division 29), subclass 245, cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 53;

in subclass 252 add the following notes:

(1) Note.—See class 51, ABRADING, subclass 268 and indented subclasses, particularly subclass 273, for devices for clearing dust from an abrading machine.

(2) Note.—See class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 56 and 57, for spinning, twisting or twining machines combined with devices for catchng or clearing away lint.

In *class 153, Metal Bending* (Division 14), subclass 64, cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

and in subclass 78 add under "Search class":

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses.

In *class 154, Laminated Fabric and Analogous Manufactures* (Divisions 52 and 61), subclass 5, cancel "117, Textiles, Twisting or Twining, subclass 34 and indented subclasses, for" and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses, for processes and;

and in subclass 45.5, in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING.

In *class 174, Electricity, Conductors and Insulators* (Division 65), in the main class definition, in note (3), in the first sentence thereof change "Class 117, Textiles, Twisting or Twining" to read *Class 57, Textiles, Spinning, Twisting and Twining*; in the second sentence cancel "class 117 taking in subclass 52 and indented subclasses" and substitute *class 57 taking in subclass 139 and indented subclasses*; and in the last sentence cancel the reference to class 118, Textiles, Spinning.

In *class 192, Clutches and Power-Stop Control* (Division 12), subclass 125, cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 80 and indented subclasses;

and in subclass 138 add under "Search classes":

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 79.

In *class 205, Metal Drawing* (Division 13), subclass 17, cancel existing note (2) and substitute:

(2) Note.—For machines for serving or spirally winding strands of cord or wire of indefinite length, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 3 and indented subclasses;

and in subclass 18 add the following note:

Note.—For processes for serving or spirally winding indefinite lengths of cord and wire, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 160 and indented subclasses.

In *class 207, Plastic Metal Working* (Division 13), subclass 17, add under "Search class":

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 138.

In *class 210, Liquid Separation or Purification* (Division 49), subclass 63, add under "Search classes":

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 76 and 77, for centrifugal spinning pots;

and in subclass 71 add the following note:

Note.—For centrifugal spinning pots with driving mechanisms, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 77.

In *class 223, Apparel Apparatus* (Division 24), subclass 102, cancel existing note (3) and substitute:

(3) Note.—For marlin spikes, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 23.

In *class 227, Fire Escapes* (Division 4), subclass 41, in note (3) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses.

In *class 242, Winding and Reeling* (Division 61), subclass 4, cancel the existing note and substitute:

Search Class—

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 21, for somewhat analogous devices employed in banding strands together, as in making driving belts;

in subclass 6, in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 3 and indented subclasses;

in subclasses 7 and 10 cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 3 and indented subclasses;

in subclass 18, in note (2) cancel the reference to classes 117, Textiles, Twisting or Twining, and 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

in subclass 19 in note (2) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 86 and 87;

in subclass 22 in note (2) cancel the reference to classes 117, Textiles, Twisting or Twining, and 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 78 and indented subclasses;

in subclass 28 in note (2) cancel the reference to classes 117, Textiles, Twisting or Twining, and 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 78 and indented subclasses;

in subclass 35 cancel the reference to class 118, Textiles, Spinning and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 130 and indented subclasses;

in subclass 36 in note (2) cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 80 and indented subclasses;

in subclass 38 cancel "117, Textiles, Twisting or Twining, subclass 28 and indented subclasses" and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 80 and indented subclasses;

in subclass 42 cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses;

in subclass 47 in note (2) change "117, Textiles, Twisting or Twining" to read *57, Textiles, Spinning, Twisting and Twining*; in subclass 147, in note (2) cancel the reference to class 118, Textiles, Spinning, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 106 and indented subclasses;

and in subclass 157 in note (2) change "118, Textiles, Spinning, subclass 9 and indented subclasses" to read *57, Textiles, Spinning, Twisting and Twining, subclass 106 and indented subclasses.*

In *class 245, Wire Fabrics and Structure* (Division 14), subclass 1.5, cancel existing note (1) and substitute:

(1) Note.—For endless bands made by a twisting or twining operation and of general application, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 141.

In *class 248, Supports* (Division 52), subclass 120, number the existing note (*1*) and add:

(2) Note.—For platforms or rigs for baggage trucks alone or in combination with the truck, see class 214, MATERIAL OR ARTICLE HANDLING, subclass 65 and appropriate indented subclasses.

In *class 253, Motors, Fluid* (Division 9), in the main class definition, number notes (4) and (5) as (*5*) and (*6*) and add:

(4) Note.—For turbine type driving mechanisms for spinning, twisting or twining apparatus, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 101.

In *class 256, Fences* (Division 1), subclass 46, in note (2) add:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses, for twisted or spirally wrapped strands of general application.

In *class 286, Packed Shaft or Rod Joints* (Division 52), in the main class definition in note (1) change "117, Textiles, Twisting or Twining, subclass 52 and indented subclasses" to read *57, Textiles, Spinning, Twisting and Twining, subclass 139 and indented subclasses.*

In *class 287, Rod Joints or Couplings* (Division 52), subclass 75, add the following note:

(3) Note.—For splices in flexible strands made by a twisting or twining operation, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 142.

In *class 288, Joint Packings* (Division 52), in note (1) of the main class definition cancel the reference to class 117, Textiles, Twisting or Twining, and substitute:

57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 139 and indented subclasses.

In *class 289, Tying Cords or Strands* (Division 5), in the main class definition in the third paragraph change "class 117, Textiles, Twisting or Twining, subclass 6" to read *class 57, Textiles, Spinning, Twisting and Twining, subclasses 22 and 23;* and in subclass 17 add the following note:

Note.—For implements such as marlin spikes employed in splicing operations, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 23.

In *class 300, Brush, Broom and Mop Making* (Division 27), subclass 14, add the following note:

Note.—For machines for making strands of indefinite length by twisting hair or grass and winding a wrapping spirally thereon, see class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 4.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), subclass 136, number the existing note (*1*) and add:

(2) Note.—See class 212, TRAVERSING HOISTS, subclass 70;

in subclass 149 cancel existing note (2) and substitute:

(2) Note.—See class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclass 129 and indented subclasses;

and in subclass 169 number the existing note (*1*) and add:

(2) Note.—Compare with class 57, TEXTILES, SPINNING, TWISTING AND TWINING, subclasses 133 and 134.

In Division 21 abolish classes 117, Textiles, Twisting or Twining, and 118, Textiles, Spinning, with their subclass titles and definitions, and establish in lieu thereof class 57, Textiles, Spinning, Twisting and Twining, with the subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 76.

(Note.—Copies of the lists and definitions may be seen in the Search-Room and in the Classification Division pending publication.)

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING FEBRUARY, 1939

JAX ICE & COLD STORAGE COMPANY *v.* JACKSON BREWING COMPANY, Cancellation No. 3209 and Cancellation No. 3203.

In decisions rendered February 11, 1939 (163 Ms. Dec. 210, 40 U. S. P. Q. 429, and 163 Ms. Dec. 207, 40 U. S. P. Q. 428, respectively), *First Assistant Commissioner Macklin* held that Jax Ice & Cold Storage Company, of Jacksonville, Fla., had made no showing which would justify the cancellation of two registrations issued to Jackson Brewing Company, of New Orleans, La., these registrations being respectively registration No. 131,504, of the term "Jax" as a trade-mark for nonalcoholic maltless beverage, and registration No. 148,451, of the term "Jax" for a nonalcoholic beverage containing malt.

In his decision the First Assistant Commissioner stated that it appeared that Jax Ice & Cold Storage Company, a Florida corporation, doing business under the name "Jax Brewing Company", alleged that it began using the term "Jax" as a trade-mark for beer prior to prohibition and used it in the states of Florida, Georgia, North Carolina, and South Carolina, and afterwards continued the use of that mark on near beer. He then noted that there had been an interference between the parties here, based upon applications for registration in which the Jax Ice & Cold Storage Company was denied the right to register the mark in question as a trade-mark for a nonalcoholic beverage. He also referred to certain negotiations attempted between the parties and a subsequent agreement between them, noting also that the Jackson Brewing Company contended the question involved in these proceedings was res judicata and that the Jax Ice & Cold Storage Company contended that under the terms of the agreement it was entitled to have the registrations here involved cancelled.

He then said:

"The contract mentions the registrations to the appellee, Jackson Brewing Company, and clearly the situation was known to both parties. No provision is made in the contract in respect to cancellation, and, as stated by the Examiner of Trade-Mark Interferences, 'Nothing is found therein which indicates that either party intended to cease using any mark in trade and there is no allegation of fact in the pleading filed by the petitioner to the effect that the respondent has actually ceased using any mark in trade.'"

He further said:

"Without passing upon the broad question of whether the registrant of a trade-mark may properly grant territorial license thereunder, I agree with the Examiner of Trade-Mark Interferences that under the circumstances it is not seen how it can be successfully contended that the registrant has abandoned the mark in issue. More specifically, I am unable to agree that the petitioner-appellant has a proper basis upon which to predicate its petition for cancellation of this trade-mark registration."

LEVER BROTHERS COMPANY *v.* BUTLER MANUFACTURING COMPANY, Opposition No. 16,789.

In a decision rendered February 15, 1939 (163 Ms. Dec. 212, 40 U. S. P. Q. 500), *Assistant Commissioner Frazer* held that Butler Manufacturing Company, of Kansas City, Mo., is entitled to register the term "Lustrlux" as a trade-mark for dry cleaning apparatus, notwithstanding the prior adoption and use by Lever Brothers Company, of Cambridge, Mass., of the term "Lux" as a trade-mark for soap and soap flakes.

In his decision the Assistant Commissioner referred to the original proceeding between these parties which was carried to the Court of Customs and Patent Appeals and the decision of that court in which the proceedings were remanded to the Patent Office with directions to permit an amendment to the application for registration and the filing of a new notice of opposition. He then noted that no testimony had been taken in the first proceeding and in this later proceeding where testimony had been taken it appeared quite conclusively that the goods of the parties were not used conjointly nor sold through the same channels of trade and that applicant's dry cleaning apparatus was in the nature of a permanent mechanically operated fixture designed for commercial use, and is sold in several sizes ranging in price from $4,500 to $15,000, while opposer's soap products are sold in small packages for household use, and are of no utility for dry cleaning purposes.

He then referred to opposer's argument that there were small dry cleaning devices retailing for as little as $7.50, and noted that such devices were not manufactured by the applicant nor was there any evidence that the applicant was likely to produce similar apparatus in the future. He then said:

"But in any event, I am not prepared to hold upon the record before me that dry cleaning apparatus, be it large or small, is of the same descriptive properties as opposer's 'Lux' soap and soap flakes. Moreover the marks are far from being identical, and even should it be held that these small machines and opposer's soap belong to the same general class of merchandise I would still be of the opinion that the wide difference between such goods, considered in connection with the substantial dissimilarity of the marks, would insure against any reasonable likelihood of confusion. Opposer claims to have shown actual confusion; but even if competent, which is at least questionable, its evidence in that regard is not convincing."

Then with reference to opposer's argument based upon what was said to be the exceptional character of opposer's trade-mark "Lux" and its place in the trade and the argument that in the absence of any evidence, judicial notice could be taken that "Lux" is a unique trade-mark used solely by the opposer, he said:

"Conceding this to be true, it does not follow that opposer has acquired a monopoly of the word 'Lux' in all combinations and for all classes of merchandise. Unquestionably opposer's trade-mark is unique and of immense value, but that fact does not enlarge the language of the statute, and in proceedings of this character the statute is controlling."

ILLINOIS WATCH CASE COMPANY *v.* SHULTON, INC., Oppositions Nos. 16,819 and 16,820.

In decisions rendered February 17, 1939 (163 Ms. Dec. 215, 40 U. S. P. Q. 560, and 163 Ms. Dec. 215, 40 U. S. P. Q. 561, respectively), *Assistant Commissioner Van Arsdale* held that Shulton, Inc., of New York, N. Y., is entitled to register, as a trade-mark for various toiletries, the term "Early American", notwithstanding the prior use by Illinois Watch Case Company, of Elgin, Ill., of the trade-mark "Elgin American" registered under the ten-year proviso of section 5 of the Trade-Mark Act, for goods of the same descriptive properties (the goods of the application involved in opposition 16,819 included toilet soap, shaving soap, etc., and the goods of the application involved in opposition 16,820 included face creams and powders, rouge, lipsticks, etc.).

In his decision the Assistant Commissioner noted that since the products of both parties' were made by American companies they are American products and that neither mark consists of the word "American" alone and that word cannot be considered the dominating part of the marks.

He then said:

"The words 'Early American' taken together have a definite and well established meaning, entirely different from any meaning suggested by either of the two words alone. The expression 'Early American', it seems to me, would be understood immediately and commonly to refer to the early Colonial times in American history. I do not believe it likely that the expression 'Early American' would be considered as designating or even suggesting any present geographical locality, or any company whose name appears in the record. On the other hand, I think the words 'Elgin American' would be commonly recognized as having geographical significance or as comprising the name of the Elgin American Division of opposer, or as both; and I believe the words 'Elgin American', considered either separately or together, would not indicate or suggest the early American days. It is further noted that applicant's exhibits of advertising matter and packages of goods, of record herein, stress the use of the words 'Early American' as referring to the early era of American Colonial history and to bring to mind the romance, glamour and atmosphere of those days."

PARKE, DAVIS AND COMPANY *v.* E. T. KREBS, Opposition No. 16,394.

In a decision rendered February 18, 1939 (163 Ms. Dec. 217, 40 U. S. P. Q. 561), *First Assistant Commissioner Macklin* held that E. T. Krebs, of San Francisco, Calif., is not entitled to register the term "Betazyme" as a trade-mark for a medicine or remedy for intestinal fermentation, in view of the prior use and registration by Parke, Davis and Company, of Detroit, Mich., of the term "Takazyme" as a trade-mark for a preparation for use in correcting conditions associated with excessive gastric acidity.

In his decision the First Assistant Commissioner noted the arguments based on the ground that there was no similarity between the marks except in the second syllable "zyme", and that that syllable had been in common use, and noting opposer's argument that it was a large manufacturer of pharmaceuticals who had been in business for many years and had widely advertised the mark "Takazyme". He also noted that the goods were of the same descriptive properties and the marks very similar in appearance.

He further noted that applicant had cited certain decisions as to the use by one party of a word which was in common use, and said:

"In my opinion these decisions are not as clearly applicable as is the decision set forth at length in the opinion in *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 F.(2d) 752. It seems to me that in that case both sides of the question here presented had been fully considered and the applicability of that decision to the facts before me appears to be clear. Its distinctions from other cases such as cited by the applicant are apparent, and I think the statement 'An applicant does not strengthen his own case in arguing for the right to register by pointing out that a portion of the word is publici juris, and that others have been permitted to register similar words . . .' is appropriate here. In the present case, as in the case there before the court, the applicant is the newcomer and it seems to me that in adopting a word applicant was under obligation not to get into the 'border-line zone', as I believe it did here. Only the first syllable of applicant's word is spelled differently, and it is likely to be pronounced very similarly to the word of opposer."

KELVINATOR CORPORATION *v.* THE VIKING AIR CONDITIONING CORPORATION, Opposition No. 15,731.

In a decision rendered February 20, 1939 (163 Ms. Dec. 220, 40 U. S. P. Q. 564), *Assistant Commissioner Frazer* held that the Examiner of Interferences properly ruled that the Viking Air Conditioning Corporation, of Cleveland, Ohio, is entitled to register the term "Circoolator" accompanied by a design, as a trade-mark for ventilating fans, blowers, etc., notwithstanding the prior adoption and use by Kelvinator Corporation, of Detroit, Mich., of the term "Kelvinator", as a trade-mark for refrigerating apparatus.

The Assistant Commissioner said:

"On authority of *Kelvinator Corporation* v. *Norge Corporation*, 25 C. C. P. A. 857, 94 F.(2d) 384, the decision must be affirmed. However, in view of the ruling in *Lever Brothers Co.* v. *Butler Manufacturing Co.*, 24 C. C. P. A. 1000, 88 F.(2d) 842, the applicant, if it finally prevails in this proceeding, will be required to delete the word 'systems' from its description of merchandise, and may, if desired, substitute the word 'apparatus'."

COLONIAL WILLIAMSBURG, INCORPORATED, *v.* TOMLINSON OF HIGH POINT, Opposition No. 16,194.

In a decision rendered February 20, 1939 (163 Ms. Dec. 219, 40 U. S. P. Q. 563), *Assistant Commissioner Frazer* held that Tomlinson of High Point, of High Point, N. C., is not entitled to register, as a trade-mark for furniture, etc., the notation "The Williamsburg Galleries".

In his decision the Assistant Commissioner stated:

"Applicant's mark is essentially the notation 'The Williamsburg Galleries', which he claims to have used since June 29, 1936. Opposer is an eleemosynary corporation which was organized in 1928, for the purpose, among others, of restoring Colonial Williamsburg. The splendid success of this undertaking is now so generally known to the public that it requires no comment here, other than to note that by June 29, 1936, the restoration was so far advanced that opposer's collection of eighteenth century furniture had already become world famous."

He then said:

"It was this fact that inspired the adoption of applicant's mark. And while applicant has quite consistently disclaimed any connection with opposer, it is clear beyond argument that applicant in his advertising has attempted to popularize his merchandise by associating it with opposer's exhibits, thus deliberately seeking to take advantage of opposer's prestige.

"I am convinced that applicant's use of the trade-mark proposed to be registered would lead numerous

members of the public to believe that applicant's furniture was in some way sponsored by opposer, and that opposer may thereby suffer injury."

GEORG JENSEN HANDMADE SILVER, INC., *v.* GEORG JENSEN & WENDEL A/S, and GEORG JENSEN HANDMADE SILVER, INC., *v.* GEORG JENSENS SOLVSMEDIE A/S, Oppositions Nos. 12,699 and 12,717.

In a decision rendered February 20, 1939 (163 Ms. Dec. 221, 40 U. S. P. Q. 562), *Assistant Commissioner Frazer* held that Georg Jensen & Wendel A/S, of Copenhagen, Denmark, and Georg Jensens Solvsmedia A/S, of Copenhagen, Denmark, are not entitled to register the term "GJ" for various items of jewelry and precious metal ware, in view of the prior adoption and use by Georg Jensen Handmade Silver, Inc., of New York, N. Y., of the term "GI" as a trade-mark for the same goods.

In his decision the Assistant Commissioner said:

"Neither of the applicants took testimony. From that filed by opposer it appears that all three parties deal in merchandise that is not only identical, but is manufactured by the same Danish concern; and that their marks are all derived from the name Georg Jensen, the letters 'J' and 'I' being interchangeable in the Danish language. That confusion would result if the mark of either applicant were used concurrently with opposer's mark seems too clear to merit discussion.

"In opposer's record and in the briefs much space is devoted to certain contractual relations of the parties, which may or may not affect their respective rights in the use of their marks. The only question here presented, however, is whether or not the applicant in either case is entitled to the registration for which it has applied. As long as opposer's mark remains on the register that question must be answered in the negative."

DUNN AND MCCARTHY, INC., *v.* THE D. M. SIFF SHOE COMPANY, Opposition No. 16,962.

In a decision rendered February 21, 1939 (163 Ms. Dec. 222, 40 U. S. P. Q. 564), *Assistant Commissioner Frazer* held that The D. M. Siff Shoe Company, of Akron, Ohio, is not entitled to register, as a trade-mark for shoes, the mark, the essential feature of which is the notation "Enr-Gizer", in view of the prior adoption and use by Dunn and McCarthy, Inc., of Auburn and Binghamton, N. Y., of the term "Enna Jettick", as a trade-mark for the same goods.

In his decision the Assistant Commissioner, after noting applicant's argument that the only question was probably of confusion, said:

"It is my opinion that the absence of such probability is not clear beyond doubt, and it is well established that all doubts must be resolved in favor of the first user."

AMERICAN PHARMACEUTICAL COMPANY, INC., *v.* MARTIN H. SMITH CO., Cancellations Nos. 3039 and 3040.

In a decision rendered February 23, 1939 (163 Ms. Dec. 222, 40 U. S. P. Q. 565), *First Assistant Commissioner Macklin* held that American Pharmaceutical Company, Inc., of New York, N. Y., had established no grounds for the cancellation of two registrations of the word "Ergoapiol" being registrations Nos. 34,877 and 45,787, issued to Martin H. Smith Co., of New York, N. Y.

In his decision, after stating the holdings made by the Examiner of Interferences and the arguments presented by the parties, he referred to certain proceedings in the New York State courts between the parties involved herein in which petitioner for cancellation had been enjoined from using the marks "Ergoapiol" and "Ergot-Apiol" as applied to pharmaceuticals and medicinal preparations, and noting petitioner's argument that the order of Justice Church in that litigation was not res judicata and that there is no force to registrant's argument that these proceedings should be terminated on that ground.

The First Assistant Commissioner then said:

"It seems to me that the order of Justice Church has some bearing on applicant's rights to request cancellation of these registrations in that the order does not preclude the petitioner from using 'Ergot' and 'Apiol' as they are alleged to be used by others, but only enjoins the use of the registered marks. It therefore appears to me that this petitioner is not injured in being precluded from using words that are public juris, and inasmuch as the petitioner is under order not to use the registered marks, the cancellation of these marks would give the petitioner no legal benefit. It follows that so far as the cancellation proceedings are concerned and insofar as the jurisdiction of the Patent Office may apply to the controversy of these parties, that the petitioner has failed to show damage."

He then further said:

"I have carefully considered the argument as to likelihood of confusion between the registered marks and the use by the petitioner and others of the words which are open to the public, but it seems to me that this is no injury to the petitioner such as would form a proper basis for cancellation proceedings, but on the contrary it would seem that if such confusion exists the registrant is the sufferer for having registered marks of such a character and nature that confusion might arise between the marks and what others have a legitimate right to use. As above indicated, the Examiner refrained from passing upon the validity of the registrations and confined himself to observing that these registrations can involve no restrictions to the petitioner. As to the specific questions before him, namely, the defenses contained in paragraphs 8 and 9 of the answer, he held that they are deemed legally sufficient to justify terminating this proceeding."

CONTINENTAL DISTILLING CORPORATION *v.* JAMESON GEORGE BUSTON, Opposition No. 16,238.

In a decision rendered February 24, 1939 (163 Ms. Dec. 227, 40 U. S. P. Q. 566), *First Assistant Commissioner Macklin* held that Jameson George Buston, of North Tazewell, Va., is not entitled to register the words "Dixie Bell" for a cola beverage sold as a soft drink, in view of the prior adoption, use and registration by Continental Distilling Corporation, of Philadelphia, Pa., of the same words as a trade-mark for distilled alcoholic liquors, and particularly gin.

In his decision, after referring to the facts that these goods are frequently sold in the same stores, that the opposer was first in the field and had sold a very large amount of goods under the mark in question and spent a large amount of money in advertising, and noting that it is not uncommon to use words suggestive of cola and like cola for alcoholic beverages, the First Assistant Commissioner said:

"In the present case the Examiner of Trade-Mark Interferences held that the opposer had produced no evidence which showed that cola drinks and gin are thus related. However, I think that the conclusion that they are frequently associated in the minds of the consumers must be generally recognized. While it is common knowledge that they are sold through different stores and different departments of stores selling diverse merchandise, it seems that there is also sufficiently wide use of them for intermixing and by sale under the same circumstances and in the same places that there is likelihood of confusion." [Citing decisions.]

HAMILTON WATCH COMPANY *v.* YOUNG'S, INC., Cancellations Nos. 3280 and 3282.

In decisions rendered February 24, 1939 (163 Ms. Dec. 226, 40 U. S. P. Q. 568, and 163 Ms. Dec. 225, 40 U. S. P. Q. 568, respectively), *Assistant Commissioner Van Arsdale* held that two registrations issued to Young's, Inc., of Providence, R. I., under the act of March 19, 1920, for the word "Hamilton" for Waldemar chains, vest chains, etc., and watch chains, tie chains, key chains, etc., should be cancelled in view of the long prior use by Hamilton Watch Company, of Lancaster, Pa., of the term "Hamilton" as a trade-mark for watches, watch movements, and parts thereof, and the use of this mark in connection with the sale of wrist watches having straps or bracelets attached thereto.

In his decision, after noting the registrant's argument that the petitioner does not manufacture the watch cases or the wrist straps or bracelets and they are purchased from other manufacturers, the Assistant Commissioner said:

"To my mind this is immaterial since I consider watches, watch cases, wrist watch straps and wrist watch bracelets to be goods of the same descriptive properties and also to be goods of the same descriptive properties as the goods named in registrant's registration involved herein. It thus appears registrant was not entitled to the exclusive use of the mark at or since the date of its application for the registration involved herein, and the petitioner may be deemed to be damaged by the registration. *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corporation*, 19 C. C. P. A. 1235, 58 Fed.(2d) 834; *Pennsylvania Petroleum Co.* v. *Pennzoil Co.*, 23 C. C. P. A. 706, 80 F.(2d) 67."

CENTRAL SOYA COMPANY *v.* STALEY MILLING COMPANY, Opposition No. 16,543.

In a decision rendered February 27, 1939 (163 Ms. Dec. 231, 40 U. S. P. Q. 569), *Assistant Commissioner Frazer* held that Staley Milling Company, of Kansas City, Mo., is not entitled to register a trade-mark for milled grain products and preparations thereof, consisting of an elaborate design, certain disclaimed descriptive matter, and the words "Staley's" and "Master", in view of the prior adoption and use by Central Soya Company, of Fort Wayne, Ind., of the notation "Master Mix" as applied to goods which include livestock feed.

After noting the applicant's contention that its mark would be orally designated as "Staley's Master" but that the opposer's mark and its mark are not alike and there could be no mistake about the words "Staley's Master" and "Master Mix", the Assistant Commissioner said:

"With the latter part of this contention I am unable to agree, particularly in view of the fact that the goods of the parties are identical. The word 'Mix' is purely descriptive of opposer's goods, and has little, if any trade-mark significance. In the expression 'Staley's Master' applicant, in effect, has merely added a name to opposer's mark."

Then, after referring to the recent case of *California Prune and Apricot Growers Association* v. *Dobry Flour Mills, Inc.*, (decided February 6, 1939, and not yet reported) the Assistant Commissioner said:

"Applicant argues that the word 'Master' is descriptive, and hence incapable of trade-mark appropriation. It is noted, however, that there is no disclaimer of this word in the application; and if applicant's position is sound it affords but another reason why the proposed registration should be refused. I find it unnecessary, however, to determine the question in this proceeding."

He further said:

"Opposer pleaded, but apparently failed to prove, its ownership of registration No. 324,431, issued fifteen months before applicant's claimed date of first use of the mark it seeks to register. The registered trade-mark is 'Master Mix' for 'animal and live stock feed'. Regardless of its ownership this registration is in the record, and stands as a statutory bar to the registration of applicant's mark."

Then with reference to a holding by the Examiner of Interferences as to other grounds for refusing registration, he said:

"The Examiner of Interferences held applicant's mark unregistrable over two other registrations of record, but in the absence of opposition by their owners I am inclined to doubt the propriety of that holding. The marks are, respectively, 'Masterpiece' and 'Masterfat', both appropriated to merchandise of the same descriptive properties as that to which applicant's mark is applied. Upon the present record I am not prepared to hold that either is confusingly similar to applicant's composite mark."

MILES LABORATORIES, INC., *v.* UNITED DRUG COMPANY, Opposition No. 16,536.

In a decision rendered February 27, 1939 (163 Ms. Dec. 229, 40 U. S. P. Q. 570), *Assistant Commissioner Frazer* held that United Drug Company, of Boston, Mass., is entitled to register, as a trade-mark for effervescent analgesic alkalizer tablet, a mark consisting of the notation "Rex-seltzer" displayed in reverse printing with the word "Seltzer" disclaimed, notwithstanding the prior use by Miles Laboratories, Inc., of Elkhart, Ind., of the words "Alka-Seltzer" for anti-acid effervescent preparations.

In his decision the Assistant Commissioner said:

"Since 1930 opposer has continuously used this mark, frequently in association with a rectangular background similar to that of applicant's mark and with the words in reverse printing, so that in arrangement and in general appearance the two marks are much alike. It does not necessarily follow, however, that they are confusingly similar. *Skram Co.* v. *Bayer Co.*, 23 C. C. P. A. 1049, 82 Fed.(2d) 615; modified, 23 C. C. P. A. 1286, 84 Fed.(2d) 392.

"Both parties have disclaimed the word 'Seltzer' as descriptive of the goods. Aside from the conventional background, which would be likely to have little, if any, trade-mark significance, this disclaimed word is the only feature the two marks have in common."

Then after referring to the decision of the Court of Customs and Patent Appeals in *American Brewing Co.* v. *Delatour Beverage Corporation*, 100 F.(2d) 253, in which it was held that certain disclaimed words, although they were part of the mark, could only in a very minor degree indicate origin, he said:

"Applying this doctrine to the instant case, it seems clear that the marks involved are dominated by the prefixes 'Alka' and 'Rex', respectively, between which there exists no shadow of resemblance. With respect to the marks as a whole the situation is somewhat similar to that presented in *Younghusband* v. *Kurlash Co.*, 25 C. C. P. A. 886, 94 Fed.(2d) 230, where the court had under consideration the trade-marks 'Starlash' and 'Kurlash', the last syllable of each of which it held to be descriptive of the goods to which the marks were applied, and said:

"'We believe that purchasers would pay little attention to the last syllable of the marks as bearing upon the origin of the goods, but, seeing the marks, as a whole, the mind would fasten upon the syllable 'Kur' in appellee's mark and 'Star' in appellant's mark, and the last syllable in each mark would be given little attention other than with respect to its descriptive character'."

EX PARTE MAIDEN FORM BRASSIERE COMPANY, INC., Serial No. 395,921.

In a decision rendered February 27, 1939 (163 Ms. Dec. 233, 40 U. S. P. Q. 573), *First Assistant Commissioner Macklin* held that Maiden Form Brassiere Company, Inc., of New York, N. Y., is not entitled to register the term "Tric-o-Lastic" as a trade-mark for elastic fabrics and webbing, where it appeared that the applicant did not sell such goods but merely manufactured and sold ladies' undergarments in which such goods were used.

After noting applicant's argument that because of its selection, handling and use of such fabrics in one or more sections embodied in the garments it was entitled to trade-mark registration, and noting the actions of the Office, and referring to certain decisions by this Office upon similar questions, the First Assistant Commissioner said:

"I am personally unable to see any serious conflict between *Ex parte A. Stein & Company* [33 Pat. Q. 54, 477 O. G. 771, 159 Ms. D. 868] and *Ex parte Eastman Kodak Company* [22 Pat. Q. 136, 24 T. M. Rep. 382] referred to, and believe that the Stein case and the Crosley case [159 Ms. Dec. 871, 477 O. G. 772, 33 U. S. P. Q. 162] just mentioned are more analogous to the present circumstances.

"It appears that the applicant uses the trade-mark 'Tric-o-Lastic' for its completed garment, and has registered 'Tric-o-Lastic' for brassières and girdles, in Class 39, Clothing, registration No. 296,822, dated August 23, 1933.

"I am forced to conclude that the applicant is not entitled to attempt to establish origin of the elastic fabrics per se by new use of the same mark on these fabric parts which it may procure from numerous sources and which it merely uses in the construction of a garment or garments, the manufacture and sale of which constitutes its business. Clearly neither the manufacture nor sale of the fabrics is the business of the applicant, nor has it any proper right or need for establishing origin within itself of the fabric parts which go into the completed garments which it makes and sells."

TIFFANY & COMPANY *v.* FRANK J. REILLEY, Opposition No. 16,000.

In a decision rendered February 27, 1939 (163 Ms. Dec. 235, 40 U. S. P. Q. 571), *First Assistant Commissioner Macklin* held that Frank J. Reilley, of San Francisco, Calif., is not entitled to register the mark "Tiffany Tex" for earth plastic paint for interior decoration of walls, in view of the incorporation of Tiffany & Company, of New York, N. Y., and the use of that name on various goods.

In his decision, after noting that the Examiner of Interferences had held that "Tiffany" being a surname, the applicant had no right to registration of the mark of which "Tiffany" is the predominant part, and noting applicant's argument that in view of the goods upon which he used his mark there could be no confusion with the goods of the other parties, the Assistant Commissioner said:

"Taking the opposition as a whole, I think, with the Examiner, that the opposer can qualify under the name clause of section 5 and that their is likelihood that a paint material for interior decoration might very reasonably, and in fact probably would be assumed by purchasers of applicant's goods to have originated with the opposer. It strikes me very forceably that the opposer's mark with the predominating word 'Tiffany' would leave a strong suggestion in the mind of any purchaser that the goods originated with Tiffany & Company or that the use of the name was in some way authorized by the opposer."

Then with reference to the general ground of the holding of the Examiner of Interferences, he said:

"On the point of the appeal of the applicant from the holding that regardless of the right of opposer to intervene the applicant is not entitled to registration, I agree with the Examiner, in view of the prominence of the word 'Tiffany' in applicant's mark, and I think that there is no such distinctive use or arrangement of it that it might be considered registrable."

With reference to certain matters in applicant's notice of appeal, he said:

"The applicant's notice of appeal (item 4) calls attention to several companies or corporations alleged to be doing business in and around New York City and each having the word 'Tiffany' in the name by which the company is known. Opposer properly points out that there is nothing in the answer which would justify the acceptance of such evidence. There is no actual proof, and I think that even if properly shown, such uses do not favorably affect the applicant's right of registration."

TRADE-MARKS

OFFICIAL GAZETTE, MARCH 28, 1939

[VOL. 500. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 408,899. RUBEROIDWERKE AKTIEN GESELLSCHAFT, Hamburg, Germany. Filed July 25, 1938.

RUGLA

For Glass Fibers, Artificial and Natural Mineral Fibers, Threads, and Fabrics.
Claims use since Mar. 4, 1938.

CLASS 2

Receptacles

Ser. No. 414,126. TRU TEST MARKETING & MERCHANDISING CORP., Chicago, Ill. Filed Dec. 22, 1938.

TRU-TEST

For Water Buckets, Tool Boxes Sold Empty in the Trade, Oil Cans, Garbage Cans, Clothes Baskets, Barrels, Vacuum Bottles, Vacuum Jugs.
Claims use since Oct. 14, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 406,638. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 23, 1938.



For Cleaning Preparations Used as Cleansing Agents for Refrigerators, Sinks, Garbage Cans, Toilet Bowls, Enamel and Porcelain Surfaces and for Other Household and Industrial Cleaning Purposes.
Claims use since January, 1930.

Ser. No. 413,357. HERBERT D. MATHEWS, doing business as Chick Laboratories, Bryan, Ohio. Filed Dec. 1, 1938.

Chick

For Cleanser for General Use Having Water Softening Properties.
Claims use since Nov. 9, 1938.

CLASS 5

Adhesives

Ser. No. 412,982. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Nov. 19, 1938.

CLEARSOL

For Adhesive Gums.
Claims use since Jan. 13, 1930.

Ser. No. 415,340. VICHAL W. LAWRENCE, SR., doing business as Optoseal Company, Danville, Ky. Filed Jan. 28, 1939.

OPTOSEAL

For Adhesive Cements.
Claims use since Dec. 30, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 397,054. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 2, 1937.

CAPROJEL

For Pharmaceutical and Medicated Jellies Suitable for Treating Disturbances and Infections Occurring in or on Any of the Mucous Membranes and Body Cavities, and for Treating Body Surface Abrasions, Lacerations, Burns, Infections, and Other Disturbances, and for General Lubrication in Medical Treatment.
Claims use since Aug. 31, 1937.

Ser. No. 398,690. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 19, 1937.

BENAMIDE

For Chemo-Therapeutic Agents Comprising Derivatives Useful for Combatting Infections Caused by Streptococcus, Coccus, Spirochetes, and Other Bacterial Organisms; Also Useful as Anesthetic, Hypnotic, Sedative, Sleep-Producing and Vaso-Dilation Agents; and also Useful for the Replacement of a Metabolic Deficiency; and Germicides and Bactericides Generally.
Claims use since Oct. 14, 1937.

Ser. No. 401,351. W. K. PILE REMEDY CO., Mount Vernon, Ohio. Filed Dec. 29, 1937.

PILES-GO!



The picture is fanciful. The word "Piles" is disclaimed apart from the mark.
For Medicine To Be Taken Internally for the Treatment of Piles.
Claims use since Dec. 10, 1927.

Ser. No. 401,803. LENTHERIC, INCORPORATED, New York, N. Y. Filed Jan. 11, 1938.

MIRACLE

For Perfume, Toilet Water, Brilliantine, Face Powder, Bath Oil, Bath Salts, Bath Powder, Talcum Powder, Sachets.
Claims use since Aug. 19, 1924.

Ser. No. 402,142. RILLING-ARNAO COMPANY, Minneapolis, Minn. Filed Jan. 20, 1938.

KOOLERETTES

For Chemical Exothermic Heating Elements for Permanent Wave Apparatus.
Claims use since Dec. 4, 1937.

Ser. No. 404,878. WAVERLY LABORATORIES, INC., New York, N. Y. Filed Apr. 4, 1938.

House of Flowers

For Perfumery.
Claims use since Jan. 1, 1938.

Ser. No. 406,100. MARION V. REID, doing business as The No-D-Ka Company, West Springfield, Mass. Filed May 7, 1938.



The mark consists of a black band around a tube near one end thereof. No claim is made to the representation of the tube and cap apart from the mark.
For Dentifrices.
Claims use since Feb. 19, 1938.

Ser. No. 406,584. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 21, 1938.

MICRO-SPRAY

Registration rights to the word "Spray" per se are disclaimed.
For Sulphur and Sulphur Containing Products for the Control of Pests on Vegetation.
Claims use since Apr. 25, 1938.

Ser. No. 408,473. PACIFIC MERCANTILE COMPANY, LTD., Honolulu, Territory of Hawaii. Filed July 13, 1938.



The Japanese characters within the star and wreath design, meaning "Medicine", the horizontal line of characters directly beneath the star and wreath design, meaning "Medicine for Dyspepsia, Heartburn, and Eructation"; the vertical series of characters on the left hand portion of the drawing and written in Korean, meaning "Medicine for Stomach Ailments", the central vertical series of characters written in Japanese, also meaning "Medicine for Stomach Ailments", and the vertical series of characters at the right hand portion of the drawing, written in Chinese and meaning "Medicine for Stomach Ailments"

being disclaimed apart from the mark shown, the Japanese characters reading "Hoshi" and meaning "Star" constituting an arbitrary word mark.
For Patent Medicine Used for Dyspepsia, Heartburn, Eructation, Nausea, and Catarrh of the Stomach and Intestines.
Claims use since Oct. 1, 1923.

Ser. No. 408,747. BIRMALA LABORATORIES, Birmingham, Ala. Filed July 21, 1938.

ATHLETE'S DELIGHT

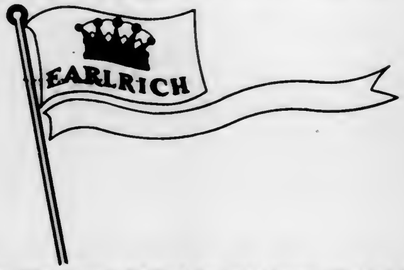
No claim is made to the word "Athlete's" apart from the mark.
For Pharmaceutical Preparation for Treatment of Toe Itch, Cracked Toes, and Athlete's Foot.
Claims use since June 30, 1933.

Ser. No. 409,430. MATTHEWS' LABORATORIES, LTD., Clifton, Bristol 8, England. Filed Aug. 10, 1938.

NOSTROLINE

For Preparation Used in the Treatment of Head Colds, Minor Throat Irritations, and Simple Headaches.
Claims use since June 22, 1920.

Ser. No. 410,459. EARLRICH & COMPANY, Cedarville, Ohio. Filed Sept. 12, 1938.



For Herb Tonic Tablets for the Relief of Acid Indigestion, Gas, Nausea, Heartburn, Biliousness, Constipation and Other Intestinal Disorders, Lumbago, Rheumatism, Kidney Trouble and Female Ailments; and Ointment for the Treatment of "Athlete's Foot", Poison Ivy, Chiggers, Insect Bites, Skin Irritations and Other Skin Trouble.
Claims use since July 1, 1910.

Ser. No. 410,608. PATENT FUELS & COLOR CORPORATION, Cincinnati, Ohio. Filed Sept. 15, 1938.

POLANE

For Chemical Addition Agents for Fuels and Lubricating Oils for Internal Combustion Engines.
Claims use since February, 1937.

Ser. No. 411,273. LADY ESTHER, LTD., Chicago, Ill. Filed Oct. 4, 1938.

Lady Esther • 7 day

For Nail Polish.
Claims use since Sept. 13, 1938.

Ser. No. 411,967. MAX L. PONDER, Aberdeen, N. C. Filed Oct. 22, 1938.



LINEN WHITE

No claim is made to the words "Cleans Right" and "Linen White" except as shown.
For Washing Fluid Having Bleaching, Disinfecting, and Antiseptic Properties.
Claims use since Aug. 18, 1938.

Ser. No. 413,570. DR. J. W. STANLY & SON, Wilmington, N. C. Filed Dec. 7, 1938.



No claim is made for the words "Prescription for Athlete's Foot" apart from the mark.
For Preparation for Use in the Treatment of Athlete's Foot.
Claims use since July 1, 1938.

Ser. No. 413,602. STAYNER CORPORATION, Berkeley, Calif. Filed Dec. 8, 1938.



The drawing is lined for dark blue.
For Effervescent Organic Granular Compounds Used as an Alkalizer and Antacid for Gastric Hyperacidity.
Claims use since Nov. 2, 1938.

Ser. No. 413,770. AQUA-SEC CORP., New York, N. Y. Filed Dec. 13, 1938.

AQUA-PERM

For Chemical Preparations for Finishing, Sizing, and Otherwise Processing Textiles and Textile Fabrics.
Claims use since June, 1938.

Ser. No. 413,879. WALTER A. RIEMER, doing business as Riemer's Salve Co., Muskegon, Mich. Filed Dec. 15, 1938.

Riemer's

Trade-mark is a facsimile of applicant's handwriting.
For Salve for Treating Athlete's Foot.
Claims use since Sept. 10, 1938.

Ser. No. 413,883. ELLA TRACY, Bismarck, Mo. Filed Dec. 15, 1938.

TRACY'S



For Cough Syrup.
Claims use since Nov. 30, 1938.

Ser. No. 413,910. PARFUMS CHARBERT INC., New York, N. Y. Filed Dec. 16, 1938.

BREATHLESS

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Dusting Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lip Sticks, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts.
Claims use since Dec. 7, 1938.

Ser. No. 414,038. HORACE J. NICHOLAS, Perry, Maine. Filed Dec. 20, 1938.

WELEGEN-PESUN

No claim is made to the words "Welegen-Pesun" apart from the mark.
For Liniment for Relief of Rheumatism, Sprains, Muscular Aches, and Pains.
Claims use since July 17, 1937.

Ser. No. 414,145. BEN FISHMAN, doing business as Three Fold Products Co., Louisville, Ky. Filed Dec. 23, 1938.

THREE FOLD

For Preparation for Use as a Scalp Conditioner, and for Correcting Dandruff, Itching Scalp, and Unruly Hair.
Claims use since Nov. 4, 1938.

Ser. No. 414,158. ROBERT MELIA, doing business as Robert Permanent Wave Salon, New York, N. Y. Filed Dec. 23, 1938.

PERMANENT WAVE ROBERT O ROLET ROBERT INNER CIRCLE WINDING "Not Loose • Not Tight • Just Right"

ROBERT PERMANENT WAVE SALON
"Permanents of Elegance"
FIFTH AVENUE NEW YORK

Applicant disclaims the words "Permanent Wave", "Fifth Avenue", "Inner Circle Winding", "Not Loose.Not Tight.Just Right", "Permanent Wave Salon", "New York", and "Permanents of Elegance" apart from the mark.
For Hair Bath, Scalp and Hair Conditioner, Permanent Wave Oil, Finger Wave Lotion, All Purpose Cream, Facial Pack, Skin Lotion, Permanent Wave Lotions, Lip and Face Rouge, Hair Bleach, Hair Dye, Blended Powder, Brilliantine, and Anti-Wrinkle Cream.
Claims use since Feb. 17, 1938.

Ser. No. 414,276. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Dec. 28, 1938.

NICOVITE

For Chemo-Therapeutic Agent Used in the Treatment of a Metabolic Deficiency.
Claims use since June 10, 1938.

Ser. No. 414,325. GEORGE J. CHAOUSY, doing business as Sfregos Products Company, Long Island City, N. Y. Filed Dec. 27, 1938.

SFREGOS

For Botanic-Laxative Tonic.
Claims use since Apr. 14, 1938.

Ser. No. 414,484. THE BURTON-LEVIN FOUNDATION, INC., Baltimore, Md. Filed Jan. 4, 1939.

CA-MA-SIL

For Antidigestant Preparation.
Claims use since Dec. 24, 1938.

Ser. No. 414,660. HOUBIGANT, INC., New York, N. Y. Filed Jan. 10, 1939.

PRESENTATION

For Perfume, Toilet Water, Skin Lotion, Cold Cream, Face Powder, Sachets, Dusting Powder, Talcum Powder, Compact Powder, Compact Rouge, Bath Salts, Brilliantine, Lipstick, and Bandoline.
Claims use since Jan. 6, 1939.

Ser. No. 414,701. KRO-NO LINIMENT CO., Jersey City, N. J. Filed Jan. 11, 1939.

KRO-NO

For Liniment for Relieving Muscular Soreness, Strains, Sprains, and Bruises.
Claims use since September, 1923.

Ser. No. 414,739. INTERNATIONAL AFFILIATED CORPORATION, New York, N. Y. Filed Jan. 12, 1939.



The word "Sirop" is disclaimed apart from the mark.
For Medicines and Pharmaceutical Preparations—Namely, Preparations for the Treatment of Coughs, Bronchitis, Asthma, Influenza, Whooping-Cough, Catarrh.
Claims use since Dec. 16, 1938.

Ser. No. 414,748. MER-Q-REE, INCORPORATED, Bethesda, Md. Filed Jan. 12, 1939.

℞ 888

The prescription symbol is disclaimed apart from the mark.
For Fungicides for Addition to Paints.
Claims use since Dec. 30, 1938.

Ser. No. 414,973. ANTHONY TORO, doing business as Tropic Medical Products Co., Brooklyn, N. Y. Filed Jan. 18, 1939.

CLEANSOL

For Hair Tonic, Skin Lotion.
Claims use since February, 1918.

Ser. No. 415,043. LACTONA, INCORPORATED, St. Paul, Minn. Filed Jan. 20, 1939.

LACTONA

For Dentifrice.
Claims use since May 16, 1928.

Ser. No. 415,126. KEWANEE LIQUIDS MANUFACTURING CO., Kewanee, Ill. Filed Jan. 23, 1939.

SUICOSE

For Liquid Hog Tonic.
Claims use since Jan. 25, 1938.

Ser. No. 415,184. NATIONAL MAGNESIA CO., INC., Brooklyn, N. Y. Filed Jan. 24, 1939.

APA-VITE

For Appetizing Tonic.
Claims use since Dec. 20, 1938.

Ser. No. 415,237. ESTATE OF GEORGE I. TREYZ, Cooks Falls, N. Y. Filed Jan. 25, 1939.

TREY-ZONE

The word "Trey" is disclaimed apart from the mark.
For Anti-Freeze Methanol.
Claims use since Dec. 23, 1938.

Ser. No. 415,263. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Jan. 26, 1939.

CEDILANID

For Medicinal Preparations Recommended for the Oral or Intravenous Treatment of Cardiorenal Diseases.
Claims use since Jan. 18, 1939.

Ser. No. 415,264. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Jan. 26, 1939.

STROPHOSID

For Medicinal Preparation for the Treatment of Diseases of the Heart.
Claims use since Jan. 18, 1939.

Ser. No. 415,297. LUCKY MON-GOL COMPANY, INC., Memphis, Tenn. Filed Jan. 27, 1939.

LUCKY
Mon-Gol

For Hair Dressing, Hair Tonic, Hair Coloring, Olive Oil for the Hair, Liquid Mange and Scalp Treatment, Mange and Scalp Treatment, Brilliantine, Hair Straightener, Petroleum Jelly, Pomade, Cocoanut Oil Shampoo, Pine Tar Shampoo, Shampoo Jelly, Tissue Cream, Massage Cream, Bleaching Cream, Cleansing Cream, Vanishing Cream, Beauty Pack, Face Powder, Talcum Powder, Liquid Face Powder, Room Spray, Pore Lotion, Sachet Powder, Foot Powder, Rouge, Lipstick, Nail Polish, Nail Polish Remover, Eyebrow Pencil, Witch Hazel, Bay Rum Lotion, Headache Tablets, Castor Oil, Skin Ointment for Use as a Skin Bleach, Toilet Water, Perfume, After Shaving Lotion, Honey and Almond Lotion, Lemon and Witch Hazel Face and Hand Lotion, Rose Lotion, Glycerin and Rose Lotion, Roach Powder, Incense, Deodorant, Douche Powder.
Claims use since September 1, 1938.

Ser. No. 415,331. ELSINORE, INC., New York, N. Y. Filed Jan. 28, 1939.

FACE-DO

For Facial Masks.
Claims use since Jan. 12, 1939.

Ser. No. 415,332. FERRO-ALLOYS INCORPORATED, Pittsburgh, Pa. Filed Jan. 28, 1939.

FERRALUX

For Compositions Containing Barium Compounds for Use in the Refining of Ferro-Alloys and Alloy Steels.
Claims use since November, 1938.

Ser. No. 415,346. PERX COMPANY, Chicago, Ill. Filed Jan. 28, 1939.

Perx

For Tooth Paste.
Claims use since Dec. 2, 1938.

Ser. No. 415,359. TROPICAL FRUIT PRODUCTS, St. Louis, Mo. Filed Jan. 28, 1939.

MELO-ZYMES

For Tonic for Animals.
Claims use since Jan. 23, 1939.

Ser. No. 415,414. ROCHE-ORGANON, INC., Nutley, N. J. Filed Jan. 30, 1939.

CYTORA

For Medicinal Preparation Recommended for Use as a Tonic, Primarily in the Treatment of Secondary Anemias and Similar Conditions.
Claims use since Jan. 5, 1939.

Ser. No. 415,585. DOROTHY GRAY SALONS, Bloomfield, N. J. Filed Feb. 4, 1939.

FLUTTER

For Perfume.
Claims use since Oct. 25, 1938.

Ser. No. 415,618. THE SINCLAIR MANUFACTURING COMPANY, Toledo, Ohio. Filed Feb. 3, 1939.



For Bleaching, Deodorizing, and Disinfecting Preparations.
Claims use since September, 1911.

Ser. No. 415,666. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Feb. 6, 1939.

RHOZYME

For Enzyme Preparation.
Claims use since Jan. 18, 1939.

Ser. No. 415,675. THE TUBERLENE CO., Neenah, Wis. Filed Feb. 6, 1939.

TUBERLENE

For Preparation for the Relief of Coughs.
Claims use since Apr. 6, 1932.

Ser. No. 415,677. JAMES WALKER, doing business as Walker Manufacturing Co., Los Angeles, Calif. Filed Feb. 6, 1939.

CALEX

For Sodium Hypochlorite Bleach.
Claims use since Dec. 5, 1938.

Ser. No. 415,791. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J. Filed Feb. 8, 1939.

XYNOMINE

For Chemical Substance Used as a Detergent or as an Emulsifying or Wetting or Dispersing Agent in Textile and Other Industrial Processing.
Claims use since May, 1938.

Ser. No. 415,860. RARE CHEMICALS, INC., Nepara Park, N. Y. Filed Feb. 9, 1939.

BEXIRON

For Vitamin B_1 and Iron, a Tonic in Tablet Form.
Claims use since Feb. 25, 1938.

Ser. No. 415,861. ANDREW REDZISZ, Jersey City, N. J. Filed Feb. 9, 1939.

A. R.
RADICAL

For Liniment for Neuralgia, Rheumatism, Strains of the Muscles and Tenons, and the Like.
Claims use since Jan. 15, 1938.

Ser. No. 415,862. A. H. ROBINS COMPANY, INC., Richmond, Va. Filed Feb. 9, 1939.

ROBCARA

For Laxative Preparation.
Claims use since Jan. 23, 1939.

Ser. No. 415,905. LUCIDOL CORPORATION, Buffalo, N. Y. Filed Feb. 10, 1939.

ALPEROX

For Organic Peroxides.
Claims use since Dec. 20, 1938.

Ser. No. 415,968. TAM PRODUCTS CO., INC., New York, N. Y. Filed Feb. 11, 1939.

SORBEX

For Preparation for the Treatment of Ailments of the Stomach.
Claims use since May, 1938.

Ser. No. 415,980. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 13, 1939.

ETHOMULSION

For Fluid Preparations Comprising Ethyl Cellulose for Use in Sizing and Finishing Textile Fabrics.
Claims use since Dec. 13, 1938.

Ser. No. 415,994. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif. Filed Feb. 13, 1939.

CEVITABS

For Tablets Containing Vitamin C To Be Used in the Treatment of Vitamin C Deficiency.
Claims use since Jan. 30, 1939.

Ser. No. 416,066. JAQUET, INCORPORATED, New York, N. Y. Filed Feb. 15, 1939.

PRELUDE

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Elixirs, Hair Salves, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes and Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Mar. 12, 1928.

CLASS 10

Fertilizers

Ser. No. 415,085. MCMILLAN & HARRISON FERTILIZER CO., Mobile, Ala. Filed Jan. 21, 1939.

TENELE
"THE TEN ELEMENT"

Applicant disclaims the words "The Ten Element" apart from the mark.
For Fertilizer.
Claims use since June, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 414,664. A. P. LITTLE, INC., Rochester, N. Y. Filed Jan. 10, 1939.

MULTISERVE

For Typewriter Ribbons, Carbon Papers.
Claims use since Dec. 13, 1938.

Ser. No. 414,942. LESTER H. APPEL, doing business as Blotterless Ink Co., New York, N. Y. Filed Jan. 18, 1939.

BLOTTERMATIC

For Writing Fluids.
Claims use since Jan. 4, 1939.

CLASS 12

Construction Materials

Ser. No. 415,280. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Jan. 27, 1939.

TEMSEAL

For Insulating Fiber Board.
Claims use since Apr. 17, 1938.

Ser. No. 415,383. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Jan. 30, 1939.

EXT-DFPA

For Plywood.
Claims use since Oct. 10, 1938.

Ser. No. 415,869. ADHESIVE LIME LIMITED, Montreal, Quebec, Canada. Filed Feb. 10, 1939.



For Lime.
Claims use since 1931.

Ser. No. 415,892. HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Feb. 10, 1939.

PYROSOTE

For Wall Board, Fireproofing and Insulation Material, and Sheeting Formed of Cementitious Material and Mineral Fiber.
Claims use since Sept. 29, 1938.

Ser. No. 415,910. NATIONAL ENGINEERING PRODUCTS, INC., Washington, D. C. Filed Feb. 10, 1939.

TEMPSEAL

For Refractory and Insulating Cement.
Claims use since Jan. 11, 1939.

Ser. No. 415,921. SOUTHWESTERN PETROLEUM COMPANY, INC., Fort Worth, Tex. Filed Feb. 10, 1939.

CACTUS BRAND

The word "Brand" is disclaimed apart from the mark.
For Asbestos Roof Coating, and Asbestos Plastic Cement, Both Used as Waterproofers and Preservers for Roofs of Composition, Paper, Concrete, Tin, and Iron, But Not Including Wood or Shingle.
Claims use since Feb. 1, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 402,276. WM. E. PRATT MFG. CO., Joliet, Ill. Filed Jan. 24, 1938.

MAJOR

For Hog-Rings and Pig-Rings.
Claims use since Jan. 10, 1937.

Ser. No. 405,059. CERAMIC PRODUCTS COMPANY, Kewaunee, Wis. Filed Apr. 9, 1938.

KEMITE
LABSTONE

For Ceramic Ware—Namely, Ceramic Sinks.
Claims use since Oct. 26, 1936.

Ser. No. 414,783. IDEAL FASTENER CORPORATION, New York, N. Y. Filed Jan. 13, 1939.

INVIZIP

For Slide Fasteners.
Claims use since Feb. 25, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 414,905. WILDBERG BROS. SMELTING & REFINING CO., Los Angeles, Calif. Filed Jan. 16, 1939.

SINCE 1907
WILDBERG BROS. SMELTING & REFINING CO.

For Precious Metals, Including Gold, Silver, and Platinum.
Claims use since Jan. 1, 1936.

CLASS 15

Oils and Greases

Ser. No. 415,168. THE LUBRI-ZOL CORPORATION, Wickliffe, Ohio. Filed Jan. 24, 1939.

INJECTOROL

For Lubricating Oils and Greases, Lubricating Oil Compounds and Motor-Lubricating Oils.
Claims use since Apr. 6, 1938.

Ser. No. 416,069. LUBRX PRODUCTS, INC., Boston, Mass. Filed Feb. 15, 1939.

CLEAVOL

For Lubricating Oil.
Claims use since Feb. 1, 1939.

CLASS 16

Paints and Painters' Materials

Ser. No. 414,239. RINSHED-MASON COMPANY, Detroit, Mich. Filed Dec. 27, 1938.

FLASH-SAND

For Undercoating or Surface Primer.
Claims use since Dec. 9, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 397,229. ALFRED GOTZL, doing business as Garvenswerke Maschinen-Pumpen- und Waagenfabrik W. Garvens, Vienna, Austria. Filed Sept. 8, 1937.

UTA

For Electric Motors, Especially Electric Motors for Driving Pumps, Electric Motors for Submerged Duty and Accessories for such Motors.
Claims use since Feb. 13, 1929.

Ser. No. 400,258. TENNESSEE FURNITURE CORPORATION, Chattanooga, Tenn. Filed Nov. 29, 1937.

CAVALIER

For Electric Ranges and Electric Heaters.
Claims use since Nov. 15, 1937.

Ser. No. 403,332. S & M LAMP CO., Los Angeles, Calif. Filed Feb. 23, 1938.

"HOT SPOT"

For Electric Flood Lights.
Claims use since Nov. 10, 1937.

Ser. No. 413,514. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Dec. 6, 1938. Under section 5b of the act of 1905 as amended in 1920.

EDISON

Applicant claims ownership of ct. #259,035 effected on July 23, 1929, under the 10-year proviso of the act of Feb. 20, 1905.
For Electronic and Audio Apparatus and Devices—Namely, Oscillators, Attenuators, Audio Amplifiers, and Loud Speakers.
Claims use since Dec. 19, 1935, in the case of oscillators and attenuators; since May 6, 1936, in the case of audio amplifiers; and since Aug. 28, 1936, in the case of loud speakers.

Ser. No. 413,799. SCREW MACHINE PRODUCTS COMPANY, INC., Providence, R. I.

The Voice of Modern Business

Filed Dec. 13, 1938.
Telephone Equipment for Inter-Office Telephone Communicating Systems and Parts Thereof.
Claims use since Dec. 5, 1938.

Ser. No. 414,488. DURA ELECTRIC LAMP CO. INC., Newark N. J. Filed Jan. 4, 1939.

LION

For Electric Light Bulbs for Automobiles.
Claims use since Dec. 11, 1934.

Ser. No. 415,333. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed Jan. 28, 1939.

TIGER

For Spark Plugs.
Claims use since April, 1930.

Ser. No. 415,344. L. CHENAULT PAINE, doing business as Patriot Products, Ltd., Los Angeles, Calif. Filed Jan. 28, 1939.

TABLEMATE

For Electrical Toasters, Waffle Irons, Egg Boilers, Food Warmers, Tea Kettles, and Coffee Pots.
Claims use since Oct. 1, 1938.

Ser. No. 415,355. SONOTONE CORPORATION, New York, N. Y. Filed Jan. 28, 1939.

MOTOFON

For Intercommunicating Telephone.
Claims use since Jan. 25, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 414,103. GIMBEL BROTHERS, INC., New York, N. Y. Filed Dec. 22, 1938.

GIMBIE

For Stuffed Toys, Tennis Racquets, Tennis Balls, Baseballs and Bats, Footballs, Basketballs, Golf Balls and Golf Clubs, Badminton Sets, Roller Skates, and Ice Skates.
Claims use since Nov. 1, 1938.

Ser. No. 415,152. WALGREEN CO., Chicago, Ill. Filed Jan. 23, 1939.

Vulcotryde

For Golf Balls.
Claims use since Jan. 16, 1939.

Ser. No. 416,136. JOHN J. CONWAY, doing business as The Conway Enterprises, Ansonia, Conn. Filed Feb. 17, 1939.

FLYING JY-BO

For Toy of the Kind Characterized by Two Balls Connected Respectively with a Handle by Strings and Adapted to be Whirled About the Handle.
Claims use since Feb. 7, 1905.

Ser. No. 416,215. CHESTER VAN TONGEREN, doing business as Dutch Novelty Shops, Holland, Mich. Filed Feb. 18, 1939.



The representation of a toy crate is disclaimed apart from the mark.
For Novelty Toy Crates.
Claims use since Jan. 1, 1938.

Ser. No. 416,216. CHESTER VAN TONGEREN, doing business as Dutch Novelty Shops, Holland, Mich. Filed Feb. 18, 1939.



Applicant disclaims the representation of a toy booth apart from the mark.
For Novelty Toy—Namely, Miniature Outdoor Toilet.
Claims use since Jan. 1, 1936.

Ser. No. 416,217. CHESTER VAN TONGEREN, doing business as Dutch Novelty Shops, Holland, Mich. Filed Feb. 18, 1939.



The representation of a toy dog house is disclaimed apart from the mark.
For Novelty Toy—Namely, Miniature Dog House.
Claims use since Jan. 1, 1937.

Ser. No. 416,230. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Dolls, Rattles, and Tops.
Claims use since September, 1927.

Ser. No. 416,245. GEO. BORGFELDT CORPORATION, New York, N. Y. Filed Feb. 20, 1939.

BABY WIGGLES

For Dolls.
Claims use since Jan. 20, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 402,099. PHILADELPHIA METAL WORKS INCORPORATED, Philadelphia, Pa. Filed Jan. 19, 1938.

GEM

For Egg-Grading and Sorting Machines.
Claims use since Sept. 3, 1937.

Ser. No. 404,849. HUGO PLÜMACHER, doing business as Grah & Plümacher, Solingen-Weyer, Germany. Filed Apr. 4, 1938.

SILVER RING

For Scissors.
Claims use since Nov. 24, 1930.

Ser. No. 410,796. W. FRED MCLEAN, Bay Shore, N. Y. Filed Sept. 20, 1938.

THE TRADE "CLOSEUP" MARK RAKE

The words "Rake" and "Trade Mark" are disclaimed.
For Garden Rakes.
Claims use since August, 1934.

Ser. No. 412,944. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938.

FLEXFLO

For Pumps.
Claims use since April, 1934.

Ser. No. 412,947. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938.

Silver Flash

For Centrifugal Milk and Cream Test Bottle Revolving Machine.
Claims use since December, 1934.

Ser. No. 413,945. FREDERICK J. HAUSCHILD, doing business as F. J. Hauschild Manufacturing Company, Oneonta, N. Y. Filed Dec. 17, 1938.

RAMSHEAD

For Automobile Body and Fender Straightening Tool.
Claims use since February, 1933.

Ser. No. 414,066. THE GALLOWAY COMPANY, INC., Waterloo, Iowa. Filed Dec. 21, 1938.

SKIMMASTER

For Centrifugal Cream Separators.
Claims use since Jan. 8, 1937.

Ser. No. 414,326. VULMAR SAFETY RAZOR CO., Chicago, Ill. Filed Dec. 29, 1938.

VULMAR

For Razor Blades and Razors.
Claims use since September, 1938.

Ser. No. 414,591. CHRYSLER CORPORATION, Highland Park, Mich. Filed Jan. 7, 1939.



The representation of the goods is disclaimed apart from the mark.
For Lubricant Impregnated Bearings for Machinery.
Claims use since Nov. 29, 1937.

Ser. No. 415,150. STOVER MANUFACTURING & ENGINE CO., Freeport, Ill. Filed Jan. 23, 1939.

WIND-MASTER

For Windmills.
Claims use since Dec. 28, 1938.

CLASS 24

Laundry Appliances and Machines

Ser. No. 414,129. TRU TEST MARKETING & MERCHANDISING CORP., Chicago, Ill. Filed Dec. 22, 1938.

TRU-TEST

For Hand Operated Laundry Washing Machines, Clothes Wringers, Wash Boards, Wash Tubs, and Clothes Pins.
Claims use since June 14, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 411,481. VICTOR L. S. HAFNER, New York, N. Y. Filed Oct. 11, 1938.



Applicant disclaims the word "Pictures" apart from the mark.
For Sensitized Motion Picture Film.
Claims use since July 28, 1934.

Ser. No. 412,714. GRAY MILLER, JR., Westmount, Quebec, Canada. Filed Nov. 14, 1938.

EYETOGS

For Eye Shields.
Claims use since Sept. 21, 1938.

Ser. No. 413,538. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Dec. 7, 1938.

Silver Flash

For Centrifugal Milk Test Bottle Revolving Machines.
Claims use since December, 1934.

Ser. No. 414,082. HENRY C. SCHILDMEIER, doing business as H. C. Schildmeier Company, Indianapolis, Ind. Filed Dec. 21, 1938.



The word "Indianapolis" is disclaimed apart from the mark.
For Machines Used for Determining and Correcting the Static or Dynamic Balance, or Both, of Automobile Wheels and Other Machine Elements to be Operated at High Rotative Speeds.
Claims use since Dec. 14, 1938.

Ser. No. 414,098. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Dec. 22, 1938. Under section 5b of the act of 1905 as amended in 1920.

EASTMAN

Applicant claims ownership of ct. #67,012 and ct. #67,137, registrations being effected, respectively, on Jan. 14, 1908, and Jan. 21, 1908, under the 10-year proviso of section 5b of the act of Feb. 20, 1905, and both being renewed.
For Photographic Objectives, Photographic Lenses, Photographic Diffusion Disks, Light Polarizing Screens and Holders Therefor, Adjustable Filter Holders for Attaching Filters to Objectives, Photographic Portrait Diffusion Disk Holders for Attaching Diffusion Disks to Objectives, Photographic Diffusion Disk Holders for Attaching Diffusion Disks to Objectives.
Claims use since 1917 for objectives; since 1923 for diffusion disks; since 1936 for polarizing screens; since September, 1913, for adjustable filter holders; since August, 1921, for portrait diffusion disk holders; since July, 1932, for diffusion disk holders; and since January, 1937, for polarizing screen holders.

Ser. No. 414,152. INLAID OPTICAL CORPORATION, Providence, R. I. Filed Dec. 23, 1938.

SHAD-O-LITE

For Sunglasses.
Claims use since Feb. 21, 1938.

CLASS 31

Filters and Refrigerators

Ser. No. 411,693. HONAN-CRANE INC., Lebanon, Ind. Filed Oct. 17, 1938.

<CRANITE>

For Diatomaceous Earth for Filtering Purposes.
Claims use since Apr. 11, 1938.

Ser. No. 415,891. HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Feb. 10, 1939.

PERMASOTE

For Drip Pans, Baffles, and Shaped Elements Used in Refrigerators and Formed of Compressed Fibrous Material Having Low Heat Conductivity.
Claims use since Jan. 26, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 415,065. LOUIS J. ZERBEE, doing business as L. J. Zerbee & Company, Bellefontaine, Ohio. Filed Jan. 20, 1939.

TEXTEEL

For Furniture Including a Screen Woven from High Carbon Steel Wire or the Like Such as Chairs, Settees, Stools, Ottomans, Gliders, and Tables.
Claims use since Dec. 28, 1937.

Ser. No. 416,133. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Feb. 17, 1939.

HERCULES

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Jan. 1, 1915.

Ser. No. 416,134. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Feb. 17, 1939.

TROJAN

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Jan. 1, 1915.

Ser. No. 416,235. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DUPONT

For Picture Frames and Window Shades.
Claims use since August, 1927.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 405,409. SCHMIEG SHEET METAL WORKS, Detroit, Mich. Filed Apr. 18, 1938.

CENTRI MERGE

For Apparatus for Washing Air to Remove Foreign Material Such as Dust, Paint, Acid Fumes, or the Like, Therefrom.
Claims use since Aug. 6, 1936.

Ser. No. 411,192. H. A. THRUSH & COMPANY, Peru, Ind. Filed Oct. 1, 1938.



The word "Straitube" is disclaimed apart from the mark.
For Coal, Oil, Vapor, or Gas Indirect Hot Water Heater.
Claims use since Jan. 1, 1938.

Ser. No. 411,193. H. A. THRUSH & COMPANY, Peru, Ind. Filed Oct. 1, 1938.



The words "Clean Tube" are disclaimed apart from the mark.
For Coal, Oil, Vapor, or Gas Indirect Hot Water Heater.
Claims use since Jan. 1, 1938.

Ser. No. 414,358. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Dec. 30, 1938.

Zenith

For Air Moisteners and Conditioners.
Claims use since Dec. 8, 1938.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 416,098. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, Filed Feb. 16, 1939.

REDWING

For Hose of All Kinds Composed Principally or Wholly of Rubber.
Claims use since Feb. 3, 1939.

Ser. No. 416,139. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 17, 1939.

SPEEDWAY

For Belts and Belting Composed Principally or Wholly of Rubber.
Claims use since November, 1935.

Ser. No. 416,152. THE MEDART COMPANY, St. Louis, Mo. Filed Feb. 17, 1939. Under section 5b of the act of 1905 as amended in 1920.

MEDART

For Drive Belts, Particularly Belts of the Type Commonly Known as V-Belts.
Claims use since May, 1927.

CLASS 36

Musical Instruments and Supplies

Ser. No. 415,118. HARMON MUTE CO., Chicago, Ill. Filed Jan. 23, 1939.

WOW WOW

For Musical Mute.
Claims use since March, 1924.

CLASS 37

Paper and Stationery

Ser. No. 415,711. STANLEY B. FREIBERG, Cincinnati, Ohio. Filed Feb. 7, 1939.

ACTIVISIBLE

For Record Cards.
Claims use since Jan. 6, 1939.

CLASS 38

Prints and Publications

Ser. No. 405,076. THE MCNAUGHT SYNDICATE, INC., New York, N. Y. Filed Apr. 9, 1938.

New York Day by Day

No claim is made to the words "New York" apart from the mark.
For Newspaper Column Published Periodically.
Claims use since July 1, 1922.

Ser. No. 412,408. DIAGRID STRUCTURES LIMITED, London, England. Filed Nov. 5, 1938.

DIAGRID

For Architectural and Structural Plans and Drawings.
Claims use since Nov. 9, 1935.

Ser. No. 414,776. DOWN BEAT PUBLISHING CO. INC., Chicago, Ill. Filed Jan. 13, 1939.



For Periodical.
Claims use since July, 1934.

Ser. No. 414,940. M. BISHOP ALEXANDER, Charleston, S. C. Filed Jan. 18, 1939.

Coastal Topics

For Periodical.
Claims use since 1931.

CLASS 39

Clothing

Ser. No. 404,833. A. DAVIS & SONS, INC., Jersey City, N. J. Filed Apr. 4, 1938.

KEN

TWEED

The word "Tweed" is disclaimed apart from the mark.
For Ladies' Suits and Coats.
Claims use since November, 1937.

Ser. No. 410,356. CALIFORNIA SHOES, LTD., Los Angeles, Calif. Filed Sept. 8, 1938.



Applicant disclaims the representation of the shoe and the words "Made in Hollywood" and "California Shoes, Ltd." except as shown.
For Men's Shoes Made of Leather, Canvas, Fabric, or Composition, or Combinations Thereof.
Claims use since July 1, 1938.

Ser. No. 410,357. CALIFORNIA SHOES, LTD., Los Angeles, Calif. Filed Sept. 8, 1938.



Applicant disclaims the representation of the shoe and the words "Made in Hollywood" and "California Shoes, Ltd." except as shown.
For Women's and Misses' Shoes Made of Leather, Canvas, Fabric, or Composition, or Combinations Thereof.
Claims use since July 1, 1938.

Ser. No. 412,406. CONTINENTAL UNDERGARMENT CO., INC., New York, N. Y. Filed Nov. 5, 1938.

LASSIE

For Women's, Misses', and Children's Undergarments—Namely, Panties, Bloomers, Step-Ins, Chemises, Slips, Shirts, Vests, and Sweaters.
Claims use since Oct. 26, 1938.

Ser. No. 412,736. SISKIND TAILORING CO., INC., New York, N. Y. Filed Nov. 14, 1938.

FIGURE-AID

For Men's Suits and Overcoats.
Claims use since Sept. 26, 1938.

Ser. No. 412,796. CHESTER BARRIE, INC., New York, N. Y. Filed Nov. 16, 1938.



The picture of the halberdier is known to applicant's trade as "David Locke".
For Men's and Women's Clothing—Namely, Men's Suits, Coats, and Top Coats, and Women's Suits and Coats.
Claims use since June, 1938.

Ser. No. 412,926. LOUIS ROTH & CO. INC., Los Angeles, Calif. Filed Nov. 18, 1938.



Styled in Hollywood

The words "Clothes" and "Styled in Hollywood" are disclaimed apart from the mark.
For Men's, Women's, and Children's outer Clothing—Namely, Suits, Overcoats, Topcoats, Trousers, Knickers, Riding Habits, Hats, and Aviation Helmets.
Claims use since Oct. 1, 1929.

Ser. No. 413,176. S. AUGSTEIN & CO., College Point, N. Y. Filed Nov. 26, 1938.

Rayolaine

For Bathing Suits, Play Suits, Dresses, Jackets, Outer Skirts, Coats, Slacks, Polo Shirts, Capes, and Beach Hats made of Fabric and Straw All for Women and Children.
Claims use since Oct. 20, 1938.

Ser. No. 413,277. SAKS & COMPANY, New York, N. Y. Filed Nov. 29, 1938.

Sleds

For Women's and Misses' Dress Shoes Made of Leather.
Claims use since Nov. 1, 1938.

Ser. No. 413,451. THE METCALF NECKWEAR COMPANY, Cleveland Ohio. Filed Dec. 3, 1938.

SILKO-LINE

No claim is made to the word "Line" apart from the mark.
For Silk Neckties.
Claims use since October, 1929.

Ser. No. 413,668. HENRY A. DIX & SONS CORPORATION, New York, N. Y. Filed Dec. 10, 1938. Under section 5b of the act of 1905 as amended in 1920.

Dix-Make
+
666

Applicant is the owner of registration Number 86,287 effected under the 10-year proviso.
For Ladies' Tub Dresses, House Dresses, and Misses' and Waitresses' Uniforms.
Claims use since Apr. 1, 1913.

Ser. No. 413,678. SEBASTIN S. KRESGE, doing business as Kresge Department Store, Newark, Newark, N. J. Filed Dec. 10, 1938.

Town Talk

For Hosiery.
Claims use since March, 1937.

Ser. No. 413,750. WINGET KICKERNICK COMPANY, Minneapolis, Minn. Filed Dec. 12, 1938.



Trade-mark consists of the letter "K".
For Undergarments for Women—Viz., Panties, Bloomers, and Stepins.
Claims use since Dec. 6, 1938.

Ser. No. 414,307. NEW YORK KNITTING MILLS, INC., New York, N. Y. Filed Dec. 29, 1938.

SLIKEZE

For Men's and Women's Outer Sport Apparel—Namely, Sweaters, Shirts, Slacks, and Shorts, and Women's Skirts and Culottes.
Claims use since Dec. 1, 1938.

Ser. No. 414,376. HERBERT G. SPECTOR, Philadelphia, Pa. Filed Dec. 30, 1938.

Genuine
ZIP-O-LINE

Applicant disclaims the word "Genuine" apart from the mark and also disclaims representations of separable slide fasteners.
For Men's Suits and Overcoats.
Claims use since Sept. 15, 1937.

Ser. No. 414,515. LE ROY VAL FELGER, Santa Barbara, Calif. Filed Jan. 4, 1939.



For Sport Coats and Trousers and Aprons for Women and Girls.
Claims use since Oct. 25, 1938.

Ser. No. 414,523. GALE-ROSENBAUM COMPANY, St. Louis, Mo. Filed Jan. 5, 1939.

KO-ZIES

For Wearing Apparel—Namely, Ladies' and Children's Short-Nighties, Slips, Half-Slips, Gowns, Pajamas, Panties, Bloomers, House Coats, Slacks, Culottes, Play-Suits, and Sweaters.
Claims use since November, 1937.

Ser. No. 414,528. IRELAND BROS., Johnstown, N. Y. Filed Jan. 5, 1939.

MIRADO

For Ladies' Gloves Made Wholly or Partly of Leather.
Claims use since Nov. 15, 1938.

Ser. No. 414,560. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass. Filed Jan. 6, 1939.

Idyle Tymers

For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Dec. 12, 1938.

Ser. No. 414,578. SAKS & COMPANY, New York, N. Y. Filed Jan. 6, 1939.

Boxer

For Women's and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof.
Claims use since Dec. 5, 1938.

Ser. No. 414,614. MAID O'TROY, INC., New York, N. Y. Filed Jan. 7, 1939.

ROYALINE

For Ladies' and Children's Slips, Panties, Brassières, Nightgowns, Pajamas, Chemises, Bed Jackets, Vests, and Bloomers.
Claims use since Nov. 18, 1938.

Ser. No. 414,812. BONWIT TELLER, INC., New York, N. Y. Filed Jan. 14, 1939.

"PRIMER"

For Women's and Misses' Blouses, Sweaters, Dresses, Coats, Suits, Outer Skirts, and Hats.
Claims use since Jan. 12, 1939.

Ser. No. 414,845. UNITED KNITWEAR, INCORPORATED, Cincinnati, Ohio. Filed Jan. 14, 1939.

MACPERTH

For Sweaters, Polo Shirts, Leather Coats, Mackinaws, Bathing Suits, Bathing Hats, Bathing Shoes, Work Shirts, Work Trousers, Work Coats, Pajamas, Sweat Pants, Basketball Pants, Dress Shirts, Sport Suits, Sport Shirts, Sport Trousers, Mufflers, Hockey and Toboggan Caps, Hosiery, Knitted Underwear, Bathrobes, and Sweat Shirts.
Claims use since Dec. 13, 1938.

Ser. No. 414,912. S. J. COHEN & SONS, Philadelphia, Pa. Filed Jan. 17, 1939.

Coast Craft Clothes

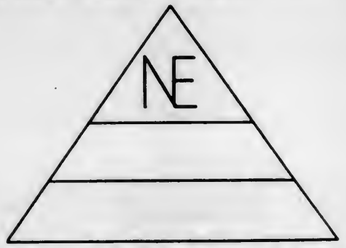
The word "Clothes" as it appears in the drawing is disclaimed apart from the words as shown.
For Men's and Women's Woolen and Woolen Mixed Fabric Cloth Suits and Overcoats.
Claims use since Jan. 7, 1913.

Ser. No. 414,917. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Jan. 17, 1939.

CARLITA

For Boots, Shoes, and Slippers of Fabric, or Combinations Thereof.
Claims use since Dec. 19, 1938.

Ser. No. 415,087. NEUMANN-ENDLER INCORPORATED, Danbury, Conn. Filed Jan. 21, 1939.



For Men's and Women's Wool Hats and Wool Hat Bodies.
Claims use since Mar. 16, 1938.

Ser. No. 415,123. ROGER KENT, INC., New York, N. Y., New Haven, Conn., and Cambridge, Mass. Filed Jan. 23, 1939.

"SEERKENT"

For Men's Clothing—Namely, Two and Three Piece Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Jan. 6, 1939.

Ser. No. 415,124. ROGER KENT, INC., New York, N. Y., New Haven, Conn., and Cambridge, Mass. Filed Jan. 23, 1939.

"TROPIKENT"

For Men's Clothing—Namely, Two and Three Piece Suits, Coats, Vests, Trousers, and Overcoats.
Claims use since Jan. 6, 1939.

Ser. No. 415,131. WALTER F. MECK, Schuylkill Haven, Pa. Filed Jan. 23, 1939.

Form a Diap

For Diapers.
Claims use since Jan. 18, 1939.

Ser. No. 415,200. BAKER CLOTHES INC., Philadelphia, Pa. Filed Jan. 23, 1939.

Flannair

For Men's and Boys' Suits, Coats, Vests, Trousers, Overcoats, Dress Suits, and Scarfs.
Claims use since Dec. 6, 1938.

Ser. No. 415,440. BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Jan. 31, 1939.

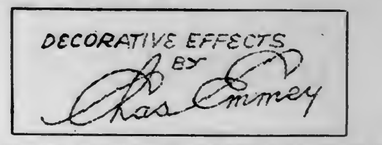
ACTIONEES

For Hosiery.
Claims use since Jan. 6, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 412,027. FRANCES EMBLEMS, INC., New York, N. Y. Filed Oct. 25, 1938.



The phrase "Decorative Effects by" is disclaimed except as shown. The name "Chas. Emmey" is a facsimile of the signature of Charles Emmey, president of applicant corporation.
For Applique Emblems for Use on Articles of Clothing, Household Linens, Textiles, and Handbags.
Claims use since Oct. 1, 1938.

Ser. No. 414,536. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Jan. 5, 1939.

AURORE

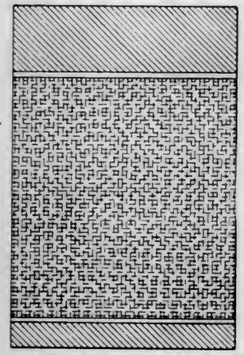
For Hat Braid Made of Rayon Fabric.
Claims use since Dec. 30, 1938.

Ser. No. 414,773. THE DELONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Jan. 13, 1939.

GREEN OAK

For Safety Pins and Snap Fasteners.
Claims use since October, 1929, on safety pins; and since May 2, 1938, on snap fasteners.

Ser. No. 414,774. THE DELONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Jan. 13, 1939.



The drawing is lined for green and yellow.
For Safety Pins and Snap Fasteners.
Claims use since May 2, 1938.

Ser. No. 414,775. THE DELONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed Jan. 13, 1939.

Atlas

For Hooks and Eyes, Safety Pins, Toilet Pins, Snap Fasteners, and Hook-and-Eye Tape.
Claims use on hooks and eyes since April, 1905; on safety pins since April, 1914; on toilet pins since September, 1916; on snap fasteners since Mar. 23, 1938; and on hook-and-eye tape since Apr. 12, 1938.

Ser. No. 414,788. MARIMAC NOVELTY CO., New York, N. Y. Filed Jan. 13, 1939.

porsalana

For Crepe Paper Flowers Stiffened with Self Hardened Plastics.
Claims use since Jan. 7, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 410,139. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Aug. 31, 1938.

Premier RAYON

The word "Rayon" is disclaimed apart from the mark.
For Knitted Rayon Fabrics of Tubular Construction.
Claims use since Aug. 30, 1938.

Ser. No. 411,347. A. STEINAM COMPANY, INC., New York, N. Y. Filed Oct. 6, 1938.



The word "Fabric" and the representation of the map are disclaimed apart from the mark.
For Spun Rayon and Acetate Rayon Piece Goods.
Claims use since May, 1937.

Ser. No. 413,702. BUTLER BROTHERS, Chicago, Ill. Filed Dec. 12, 1938.

Ellen Hall

The mark comprises the reproduction of the actual signature of Ellen Hall.
For Piece Goods of Rayon and Silk.
Claims use since Aug. 5, 1938.

Ser. No. 413,911. EDWIN RAPHAEL CO. INC., Chicago, Ill. Filed Dec. 16, 1938.

INFINITY FABRICS

The word "Fabrics" is disclaimed apart from the mark.
For Drapery and Upholstery Fabrics Described as Follows—Pile Fabrics Using Mohair, Rayon, and Cotton Material; Flat Goods Using Woolen, Cotton, and Mohair Material; and Tapestries, Damasks, Brocades, Linens, and Silks.
Claims use since Apr. 28, 1936.

Ser. No. 414,453. W. THE LOSEN, INC., New York, N. Y. Filed Jan. 3, 1939.

THELO MOGADOR



The word "Mogador" is disclaimed apart from the mark.
For Necktie-Silk, Rayon and Cotton Piece Goods.
Claims use since March, 1923.

Ser. No. 414,731. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Jan. 12, 1939.

Mellotints

For Woolen Piece Goods.
Claims use since Dec. 20, 1938.

Ser. No. 414,756. ARTHUR SEDLAK COMPANY, INC., New York, N. Y. Filed Jan. 12, 1939.

Moirétex

For Pile Fabrics in the Piece.
Claims use since Oct. 1, 1938.

Ser. No. 414,792. W. E. MCKAY & CO., New York, N. Y. Filed Jan. 13, 1939.

"Miss Pittypat"

For Cotton and Rayon Piece Goods Used in the Manufacture of Women's Wearing Apparel.
Claims use since Sept. 1, 1938.

Ser. No. 415,483. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y. Filed Feb. 1, 1939.

LINX

For Cotton Canvas Piece Goods.
Claims use since Aug. 16, 1937.

Ser. No. 415,486. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Feb. 1, 1939.

RIVERSLACK

For Cotton Piece Goods for Suitings.
Claims use since Sept. 20, 1938.

Ser. No. 415,520. PATCHOGUE-PLYMOUTH MILLS CORPORATION, New York, N. Y. Filed Feb. 2, 1939.

Crown Top

For Lace Curtains.
Claims use since Jan. 11, 1939.

Ser. No. 415,521. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Feb. 2, 1939.

Thrifty

For Sheets and Pillow Cases.
Claims use since Jan. 10, 1939.

CLASS 43

Thread and Yarn

Ser. No. 415,399. JORDAN MILLS, INC., Columbus, Ga. Filed Jan. 30, 1939.

JORDANE

For Yarn.
Claims use since June 14, 1930.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 413,544. THE DENTAL MANUFACTURING COMPANY LIMITED, London, England. Filed Dec. 7, 1938.

LUMITEX

For Artificial Teeth.
Claims use since Nov. 20, 1937.

Ser. No. 415,637. DAVIS & GECK, INC., Brooklyn, N. Y. Filed Feb. 6, 1939.

ANACAP
TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark. The drawing is lined for red.
For Surgical Ligatures and Sutures.
Claims use since Sept. 20, 1938.

Ser. No. 415,742. DANIEL L. ROSENTHAL, New York, N. Y. Filed Feb. 7, 1939.

Safeway 14 50

For Sanitary Napkins, Sanitary Napkin Holders, and Combinations Thereof.
Claims use since Jan. 25, 1939.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 411,862. GREEN & GREEN INC., Houston, Tex. Filed Oct. 21, 1938.

FRUIT BOWL

The word "Fruit" is disclaimed apart from the mark.
For Nonalcoholic, Maltless Beverages and Syrups, Concentrates and Extracts for Making the Same.
Claims use since April, 1938.

Ser. No. 414,529. MONUMENT BOTTLING CO., INC., Indianapolis, Ind. Filed Jan. 5, 1939.



The drawing is lined for the color orange. The word "Punch" is disclaimed apart from the mark.
For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Oct. 1, 1938.

Ser. No. 414,915. DREWRYS DRY GINGER ALE U. S. A., INC., Detroit, Mich. Filed Jan. 17, 1939.

Alca-Fizz

The word "Fizz" is disclaimed apart from the mark.
For Nonalcoholic, Maltless, Noncereal Beverages Sold as Soft Drinks.
Claims use since Jan. 7, 1939.

Ser. No. 415,361. TROPICAL FRUIT PRODUCTS, St. Louis, Mo. Filed Jan. 28, 1939.

SUN-PA-YA

For Nonalcoholic, Maltless Concentrated Flavors for Making Soda Fountain Drinks.
Claims use since Jan. 23, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 375,946. GEORGE P. MILLER, doing business as Merry Treat Foods Co., Naperville, Ill. Filed Mar. 13, 1936.

Merry Treat

For Food Products—Namely, Partially Cooked Potatoes in Cans.
Claims use since July 24, 1934.

Ser. No. 387,970. ANGELO PRODUCTS CO., Bridgeport, Conn. Filed Jan. 21, 1937.

ANGELO

For Cakes.
Claims use since Jan. 9, 1937.

Ser. No. 398,411. V. R. SMITH, doing business as V. R. Smith Olive Co., Lindsay, Calif. Filed Oct. 12, 1937.



No claim is made to the word "Olives" and to the representation of the label.
For Canned Olives.
Claims use since Mar. 25, 1937.

Ser. No. 399,660. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 12, 1937.

Soyarich

For Soybean Flour.
Claims use since Oct. 31, 1936.

Ser. No. 402,928. BEATRICE CREAMERY COMPANY, Chicago, Ill. Filed Feb. 11, 1938.

DelCrest

Applicant is the owner of Trade-Mar Certificate No. 316,984, dated Sept. 11, 1934.
For Oleomargarine.
Claims use since Jan. 7, 1938.

Ser. No. 406,801. GENERAL MILLS, INC., Minneapolis, Minn. Filed May 27, 1938.



BETTY CROCKER

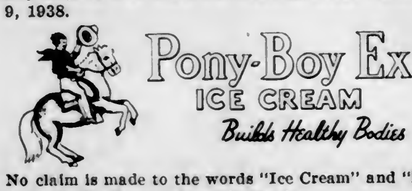
The portrait is fanciful and known to applicant's trade as a portrait of "Betty Crocker".
For Grocery Products, Particularly Wheat Flour, Cereal Breakfast Food, Biscuit Flour, and Cake Flour.
Claims use since Apr. 27, 1938.

Ser. No. 407,539. DUKAT PRODUCTS COMPANY, INC., Hamtramck, Mich. Filed June 16, 1938.



The word "Brand" is disclaimed as a part of the mark.
For Canned Fruits and Vegetables.
Claims use since June 8, 1938.

Ser. No. 408,341. FRANK DALEY, doing business as Pony Boy Express Ice Cream Co., Beverly, Mass. Filed July 9, 1938.



No claim is made to the words "Ice Cream" and "Builds Healthy Bodies" apart from the mark.
For Ice Cream.
Claims use since May 10, 1938.

Ser. No. 409,737. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Aug. 19, 1938.



Applicant is the owner of United States registration, No. 250,385, issued Dec. 11, 1928. Applicant is the owner of U. S. Patent Office registrations No. 42,301, dated Mar. 29, 1904, No. 220,542, dated Nov. 9, 1926, and No. 230,906, dated Aug. 9, 1927.
For Spaghetti and Macaroni.
Claims use since 1895.

Ser. No. 410,588. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Filed Sept. 15, 1938.

Mrs. Tucker's



The portrait is that of an imaginary or fictitious character known to applicant's trade as "Mrs. Tucker".
For Wheat Flour, Canned Vegetables, Canned Fruits, and Fruit Preserves.
Claims use since 1913.

Ser. No. 410,857. BAY STATE MILLING CO., Winona, Minn. Filed Sept. 22, 1938.

RY-DO

Applicant disclaims the word "Ry" apart from the mark.
For Rye Flour.
Claims use since Nov. 18, 1936.

Ser. No. 411,554. CHARLES BANKS STOUT, doing business as Higginsville Flour Mill, Memphis, Tenn. Filed Oct. 12, 1938.



For Wheat Flour.
Claims use since 1908.

Ser. No. 411,564. ASSOCIATED BISCUIT CO., doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Filed Oct. 13, 1938.

FRESHEE

For Bakery Goods—Namely, Crackers and Wafers.
Claims use since Oct. 4, 1938.

Ser. No. 412,182. GUMAKERS OF AMERICA, INC., Clifton Heights, Pa. Filed Oct. 29, 1938.

SPY-GUM

No claim is made to the word "Gum" apart from the mark.
For Chewing Gum.
Claims use since Oct. 22, 1938.

Ser. No. 412,281. ASSOCIATED BISCUIT CO., doing business as Associated Biscuit Co., Inc., and Associated Biscuit Company, Inc., Salamanca, N. Y. Filed Nov. 2, 1938.



For Bakery Goods—Namely, Crackers and Wafers.
Claims use since Oct. 4, 1938.

Ser. No. 412,629. CHERRY SPECIALTY COMPANY, Chicago, Ill. Filed Nov. 12, 1938.



Applicant disclaims the words "Dainties" and "Miniature Chocolates" apart from the mark.
For Chocolate Coated Candies, a Confectionery.
Claims use since Sept. 6, 1938.

Ser. No. 412,686. H. SCHOENFELD & SONS, INC., New York, N. Y. Filed Nov. 15, 1938.

PEP-RIKA

POWDERED SUNSHINE

For Sausage.
Claims use since May 18, 1937.

Ser. No. 413,076. JOHN MACKINTOSH & SONS, LIMITED, Halifax, England. Filed Nov. 23, 1938.

CHOCOMAC

For Candy Composed Wholly or in Part of Chocolate.
Claims use since Mar. 19, 1938.

Ser. No. 413,701. BOZEMAN CANNING COMPANY, Bozeman, Mont., and Mount Vernon, Wash. Filed Dec. 12, 1938.



The words "Bozeman's Little P's" are disclaimed apart from the mark.
For Canned Peas.
Claims use since July 23, 1938.

Ser. No. 413,965. ARCHER CHASE & COMPANY, Tacoma, Wash. Filed Dec. 14, 1938.

Old Colonial

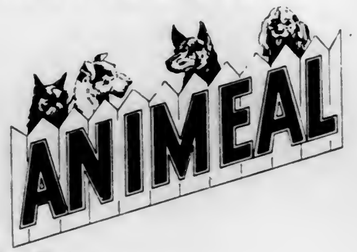
For Seasoning or Flavoring for Pork Sausage, Meat Loaf, or Other Foods.
Claims use since Jan. 1, 1934.

Ser. No. 414,007. SAFEWAY STORES, INC., doing business as General Food Products Company, Oakland, Calif. Filed Dec. 19, 1938.

VALLEY GOLD

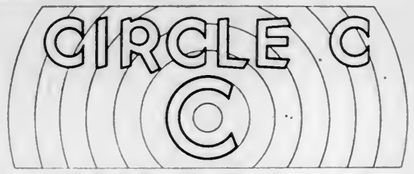
For Canned Fruits.
Claims use since Oct. 6, 1938.

Ser. No. 414,271. PET KITCHENS, INC., Cold Spring and New York, N. Y. Filed Dec. 28, 1938.



For Dog Food.
Claims use since Nov. 1, 1938.

Ser. No. 414,821. C. F. CLARK AND SON, Sunderland, Mass. Filed Jan. 14, 1939.



For Fresh Vegetables, Fresh Deciduous and Citrus Fruits, and Cantaloupes.
Claims use since January, 1924.

Ser. No. 414,835. RULE-JAYTON COTTON OIL CO., Stamford, Tex. Filed Jan. 14, 1939.

CHUCK WAGON



For Cottonseed Cake and Meal Used for Live Stock and Poultry Feed.
Claims use since Oct. 1, 1935.

Ser. No. 414,844. CHARLES R. TOWRY, Tulsa, Okla. Filed Jan. 14, 1939.

BOWL-O-SOUP

The word "Soup" is disclaimed apart from the mark as shown.
For Packaged Soups.
Claims use since Jan. 1, 1939.

Ser. No. 415,165. G. H. JONES & CO., INC., Brawley, Calif. Filed Jan. 24, 1939.

POLICY

For Fresh Vegetables and Cantaloupes.
Claims use since November, 1936.

Ser. No. 415,289. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed Jan. 27, 1939.

JOHNNY PINEAPPLE



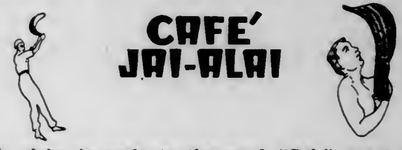
Applicant is the owner of trade-mark registration 342,937, dated Feb. 2, 1937. No claim is made to the word "Pineapple" apart from the mark.
For Canned Pineapple and Canned Pineapple Juice for Food Purposes.
Claims use since Dec. 22, 1938.

Ser. No. 415,475. CLARENCE V. GOFFINET, doing business as Standard Vanilla Company, Los Angeles, Calif. Filed Feb. 1, 1939.



For Flavoring Consisting of Powdered Vanilla Bean and Sugar.
Claims use since Nov. 25, 1938.

Ser. No. 415,495. BUSTELO COFFEE ROASTING CO., INC., New York, N. Y. Filed Feb. 2, 1939.



No claim is made to the word "Cafe" apart from the mark.
For Coffee and Tea.
Claims use since Oct. 17, 1938.

Ser. No. 415,498. THE CAREY SALT CO., Hutchinson, Kans. Filed Feb. 2, 1939.

RED END

For Salt.
Claims use since Jan. 20, 1939.

Ser. No. 415,552. GUM INCORPORATED, Philadelphia, Pa. Filed Feb. 3, 1939.

SIS-BOOM-BAH

For Chewing Gum.
Claims use since Jan. 20, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 411,522. DESTILERIA SERRALLES, INC., Ponce, P. R. Filed Oct. 12, 1938.

Ron Criollo

No claim is made to the word "Ron" apart from the mark.
For Rum.
Claims use since Sept. 24, 1938.

Ser. No. 413,951. JOSEPH KRIEG-FINK COMPANY, Morrisville, Pa. Filed Dec. 17, 1938.

CAFE SPORT

For Cordials.
Claims use since Feb. 20, 1937.

Ser. No. 415,286. DESTILERIA SERRALLES, INC., Ponce, P. R. Field Jan. 27, 1939.



No claim is made to the word "Ron" apart from the mark.
For Rum.
Claims use since Dec. 1, 1938.

Ser. No. 416,125. UNITED DISTILLERS PRODUCTS CORP., Amston, Conn. Filed Feb. 16, 1939.

JAMERICA

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since 1905.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MARCH 28, 1939

366,005. TERPENE HYDROCARBON SOLVENT FOR USE IN ALL PROCESSES AND COMPOUNDS USING TURPENTINE, SUCH AS PAINTS, VARNISHES, ENAMELS, PROTECTIVE COATINGS, RUBBER PROCESSING, AND CLEANING COMPOUNDS, ETC. HERCULES POWDER COMPANY, Wilmington, Del.
Filed June 8, 1935. Serial No. 365,941. PUBLISHED JULY 16, 1935. Class 16.

366,006. RIBBONS, TEXTILE RUGS, SHEETS, TOWELS, WASH CLOTHS, PILLOWCASES, BLANKETS, AND SPREADS. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa., assignor to Reconstruction Finance Corporation, Philadelphia, Pa.
Filed January 16, 1936. Serial No. 373,719. PUBLISHED APRIL 7, 1936. Class 42.

366,007. OLEOMARGARINE. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed January 22, 1937. Serial No. 388,047. PUBLISHED JANUARY 17, 1939. Class 46.

366,008. CELLULOSE FILM, GLASSINE, OR PAPER BAGS WHICH ARE SOLD IN TRADE EMPTY. ONEIDA PAPER PRODUCTS, INC., New York, N. Y.
Filed August 6, 1937. Serial No. 396,083. PUBLISHED JANUARY 10, 1939. Class 2.

366,009. PUBLICATION COMPRISING MAPS DEPICTING BROADCAST RESPONSE ZONES PUBLISHED FROM TIME TO TIME. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y.
Filed August 20, 1937. Serial No. 396,607. PUBLISHED JANUARY 10, 1939. Class 38.

366,010. CANDIES. GEO. BASSETT & COMPANY LIMITED, Sheffield, England.
Filed September 27, 1937. Serial No. 397,834. PUBLISHED NOVEMBER 9, 1937. Class 46.

366,011. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS; BOYS' OUTER SHIRTS; MEN'S AND BOYS' KNITTED, LEATHER, AND FABRIC GLOVES; AND MEN'S AND BOYS' NECKTIES AND HATS. CHARLES STORES COMPANY INCORPORATED, New York, N. Y.
Filed October 4, 1937. Serial No. 398,093. PUBLISHED JULY 19, 1938. Class 39.

366,012. LEMONS. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif.
Filed October 18, 1937. Serial No. 398,611. PUBLISHED JANUARY 17, 1939. Class 46.

366,013. CANDY, BREAD, CANNED FRUITS AND VEGETABLES, FRESH FISH, COFFEE, COCOA, TEA, PACKAGED BREAKFAST CEREALS IN DRY STATE, SUGAR, AND VINEGAR. JOHN COMAS, New York, N. Y.
Filed October 23, 1937. Serial No. 398,838. PUBLISHED JANUARY 17, 1939. Class 46.

366,014. POPCORN IN THE NATURAL STATE, POPPED POPCORN, AND SEASONING FOR POPCORN. THERIDES V. BARNARD, Omaha, Nebr.
Filed October 28, 1937. Serial No. 399,028. PUBLISHED JANUARY 17, 1939. Class 46.

366,015. RUBBER BALLS FOR FLUSH CLOSETS. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey.
Filed November 6, 1937. Serial No. 399,431. PUBLISHED JANUARY 17, 1939. Class 13.

366,016. ELECTRIC AND GASOLINE MOTORED WASHING MACHINES AND ELECTRIC IRONERS. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind.
Filed November 12, 1937. Serial No. 399,671. PUBLISHED AUGUST 30, 1938. Class 24.

366,017. MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. GRAY & COMPANY, Portland, Oreg.
Filed November 15, 1937. Serial No. 399,761. PUBLISHED JANUARY 17, 1939. Class 45.

366,018. KNITTING MACHINES AND STOP MOTION MECHANISMS THEREFOR. STOP MOTION DEVICES CORPORATION, Brooklyn, N. Y.
Filed December 4, 1937. Serial No. 400,482. PUBLISHED FEBRUARY 8, 1938. Class 23.

366,019. DAIRY AND POULTRY FEEDS. JOHN M. WILSON, doing business as Meridian Grain & Elevator Co., Meridian, Miss.
Filed December 13, 1937. Serial No. 400,748. PUBLISHED JANUARY 17, 1939. Class 46.

366,020. CANNED CITRUS FRUITS AND CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed January 3, 1938. Serial No. 401,503. PUBLISHED JUNE 14, 1938. Class 46.

366,021. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES. GEORGE F. BERKANDER, INC., Providence, R. I.
Filed February 15, 1938. Serial No. 403,033. PUBLISHED JANUARY 10, 1939. Class 28.

366,022. CLOTHES WASHING MACHINES. NATIONAL MOTOR COMPANY, Springfield, Ohio.
Filed February 28, 1938. Serial No. 403,518. PUBLISHED SEPTEMBER 20, 1938. Class 24.

366,023. ELECTRICAL CONNECTORS, LUGS, AND TAPS. NATIONAL ELECTRIC PRODUCTS CORPORATION, Pittsburgh, Pa.
Filed March 11, 1938. Serial No. 403,957. PUBLISHED JANUARY 17, 1939. Class 21.

366,024. RADIO COMPASSES AND RADIO DIRECTION FINDERS. MARCEL WALLACE, New York, N. Y.
Filed March 12, 1938. Serial No. 404,022. PUBLISHED JANUARY 17, 1939. Class 26.

366,025. SLIPPERS, SHOES, AND BOOTS MADE OF LEATHER, RUBBER, OR FABRIC, OR COMBINATIONS THEREOF. ADVANCE WOOL SKIN SHOE CO., Chicago, Ill.
Filed March 24, 1938. Serial No. 404,426. PUBLISHED NOVEMBER 29, 1938. Class 39.

366,026. WHEAT FLOUR. D. V. JOHNSON, doing business as Tennessee Grain Co., not inc., and Tennessee Flour Co., not inc., Nashville, Tenn.
Filed April 1, 1938. Serial No. 404,764. PUBLISHED JANUARY 17, 1939. Class 46.

366,027. TISSUE PAPER AND TOILET PAPER. PLEE-ZING, INC., Chicago, Ill.
Filed April 9, 1938. Serial No. 405,080. PUBLISHED JANUARY 17, 1939. Class 37.

366,028. LUBRICATING, CUTTING, BURNING, AND PROCESSING OILS; LUBRICATING GREASES, FATS, AND WAXES; RUBBER AND METAL LUBRICANTS HAVING OIL AND WATER BASES. THE BLACK BEAR COMPANY, INC., Long Island City, N. Y.
Filed May 21, 1938. Serial No. 406,576. PUBLISHED JANUARY 10, 1939. Class 15.

366,029. BREAD. FISCHER BAKING COMPANY, Newark, N. J.
Filed May 24, 1938. Serial No. 406,679. PUBLISHED SEPTEMBER 13, 1938. Class 46.

366,030. COAL. THE PITTSBURGH & OHIO MINING COMPANY, Cleveland, Ohio.
Filed May 27, 1938. Serial No. 406,824. PUBLISHED JANUARY 17, 1939. Class 1.

366,031. COAL. THE PITTSBURGH & OHIO MINING COMPANY, Cleveland, Ohio.
Filed May 27, 1938. Serial No. 406,826. PUBLISHED JANUARY 17, 1939. Class 1.

366,032. COAL. THE PITTSBURGH & OHIO MINING COMPANY, Cleveland, Ohio.
Filed May 27, 1938. Serial No. 406,827. PUBLISHED JANUARY 17, 1939. Class 1.

366,033. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed June 3, 1938. Serial No. 407,077. PUBLISHED JULY 19, 1938. Class 46.

366,034. PAINT BRUSHES. SAMUEL M. DELL & CO. INC., Baltimore, Md.
Filed June 4, 1938. Serial No. 407,088. PUBLISHED JANUARY 3, 1939. Class 29.

366,035. PUMPS, FOGHORNS, AIR WHISTLES, AUTOMATIC DRAINERS IN THE NATURE OF PUMPS, OIL CUPS, AND GREASE GUNS. PERKINS MARINE LAMP & HARDWARE CORPORATION, New York and Brooklyn, N. Y.
Filed June 10, 1938. Serial No. 407,325. PUBLISHED JANUARY 17, 1939. Class 23.

366,036. STRAIGHT BOURBON WHISKEY. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed June 11, 1938. Serial No. 407,386. PUBLISHED JANUARY 17, 1939. Class 49.

366,037. PAINT BRUSHES. SAMUEL M. DELL & CO., INC., Baltimore, Md.
Filed June 13, 1938. Serial No. 407,426. PUBLISHED JANUARY 3, 1939. Class 29.

366,038. NONALCOHOLIC, MALTLESS, CONCENTRATED FLAVORS FOR MAKING SODA FOUNTAIN DRINKS. WILLIAM A. ETTER, doing business as The Spinning Wheel, El Paso, Tex.
Filed June 13, 1938. Serial No. 407,430. PUBLISHED JANUARY 17, 1939. Class 45.

366,039. PRESS-CORK FOR WINE AND CHAMPAGNE BOTTLES. SUBERIT-FABRIK A.-G., Mannheim-Rheinau, Germany.
Filed June 15, 1938. Serial No. 407,507. PUBLISHED JANUARY 17, 1939. Class 1.

366,040. FRESH VEGETABLES AND FRESH MELONS. JAS. S. KRASNOW, El Centro, Calif.
Filed August 1, 1938. Serial No. 409,130. PUBLISHED JANUARY 17, 1939. Class 46.

366,041. LEBKUCHEN (WHICH IS A CERTAIN TYPE OF GINGER BREAD), BREAD, ROLLS, AND CAKES. AMERICAN LEBKUCHEN COMPANY, New York, N. Y.
Filed August 2, 1938. Serial No. 409,147. PUBLISHED JANUARY 17, 1939. Class 46.

366,042. COGNAC. CASTILLON & Co., Cognac, France.
Filed August 10, 1938. Serial No. 409,419. PUBLISHED JANUARY 17, 1939. Class 49.

366,043. WRAPPER BLANKS FOR CIGARETTE PACKAGES. WILBERT FRANCIS INNES, Des Moines, Iowa.
Filed August 12, 1938. Serial No. 409,527. PUBLISHED JANUARY 17, 1939. Class 37.

366,044. PHOTOGRAPHS. PHOTO-NITE SYNDICATE, Robinson, Ill.
Filed August 16, 1938. Serial No. 409,652. PUBLISHED JANUARY 10, 1939. Class 38.

366,045. INSULATING BOARD AND WALL BOARD. ADOLF H. MORNER, New York, N. Y.
Filed August 17, 1938. Serial No. 409,692. PUBLISHED NOVEMBER 1, 1938. Class 12.

366,046. PUBLICATION PUBLISHED ANNUALLY. HEARST MAGAZINES INC., New York, N. Y.
Filed August 30, 1938. Serial No. 410,108. PUBLISHED JANUARY 10, 1939. Class 38.

366,047. PRINTED LITERATURE — NAMELY, MEMBERSHIP CERTIFICATES, PRINTED ENROLLMENT BLANKS, PAMPHLETS, AND BOOKLETS. ST. MEINRAD'S ABBEY, St. Meinrad, Ind.
Filed September 7, 1938. Serial No. 410,341. PUBLISHED JANUARY 17, 1939. Class 38.

366,048. COMPOUND IN POWDER FORM FOR REMOVING PAINTS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed September 14, 1938. Serial No. 410,557. PUBLISHED JANUARY 17, 1939. Class 16.

366,049. FURS IN THE PIECE. INTERNATIONAL FUR WORKERS' UNION OF UNITED STATES AND CANADA, New York, N. Y.
Filed September 16, 1938. Serial No. 410,654. PUBLISHED JANUARY 17, 1939. Class 1.

366,050. 24-SHEET POSTERS, MISCELLANEOUS POSTERS, AND THE LIKE. THOMSON SYMON COMPANY, Terre Haute, Ind.
Filed September 19, 1938. Serial No. 410,757. PUBLISHED JANUARY 10, 1939. Class 38.

366,051. WOMEN'S AND GIRLS' DRESSES AND HATS; LADIES' UNDERWEAR—NAMELY, SLIPS, CHEMISES, BRASSIÈRES, ETC. FRED ALTSCHULER-PICARD, Lausanne, Switzerland.
Filed September 20, 1938. Serial No. 410,765. PUBLISHED DECEMBER 27, 1938. Class 39.

366,052. FAN-DRIVEN VENTILATORS, AIR DIFFUSERS, AIR ASPIRATORS, AND CONTROL DAMPERS THEREFOR. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed September 21, 1938. Serial No. 410,818. PUBLISHED JANUARY 17, 1939. Class 34.

366,053. NEWSPAPER COLUMN. WILLIAM THOMPSON, Dallas, Tex.
Filed September 22, 1938. Serial No. 410,873. PUBLISHED JANUARY 10, 1939. Class 38.

366,054. MISCELLANEOUS TYPEWRITER PARTS (NOT INCLUDING INKING RIBBONS), TOOLS, AND PLATENS. AMES SUPPLY COMPANY, INC., Chicago, Ill.
Filed September 21, 1938. Serial No. 410,876. PUBLISHED JANUARY 17, 1939. Class 23.

366,055. COMPOUND OF PURE LINSEED VARNISHES, PARAFFIN OIL, REFINED PETROLATUM, PARAFFIN WAX, AND A REFINED DRYER TO BE MIXED WITH PRINTING INK, ETC. BARTA-GRIFFIN COMPANY, Worcester, Mass.
Filed September 23, 1938. Serial No. 410,894. PUBLISHED JANUARY 17, 1939. Class 11.

366,056. PRINTED PAMPHLETS TO BE USED AS ENTRY BLANKS IN A RADIO CONTEST SOLD AS SUCH IN TRADE. CORNELIUS SULLIVAN, New York, N. Y.
Filed September 26, 1938. Serial No. 411,016. PUBLISHED JANUARY 10, 1939. Class 38.

366,057. PIECE GOODS MADE OF COTTON, SILK, WOOL, AND RAYON, AND COMBINATIONS OF SAME. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed September 29, 1938. Serial No. 411,075. PUBLISHED JANUARY 17, 1939. Class 42.

366,058. ADDING MACHINE PAPER ROLLS. NATHAN D. ISEN, doing business as Cellulose & Paper Converting Company, Philadelphia, Pa.
Filed October 1, 1938. Serial No. 411,198. PUBLISHED JANUARY 17, 1939. Class 37.

366,059. TEXTILE FABRICS IN THE PIECE MADE OF COTTON. CROMPTON COMPANY, West Warwick, R. I.
Filed October 3, 1938. Serial No. 411,213. PUBLISHED JANUARY 17, 1939. Class 42.

366,060. APPARATUS FOR CLEANING AND PURIFYING BEER COILS, LINES, AND KEGS COMPRISING A TANK ADAPTED TO CONTAIN SUITABLE CHEMICALS UNDER AIR PRESSURE FROM THE SOURCE OF DISPENSING PRESSURE TOGETHER WITH CONNECTIONS TO THE DISPENSING FAUCET, TAP ROD, OR KEG. PROTECTOL COMPANY, Chicago, Ill., assignor to Protectol Company, Inc., Chicago, Ill., a corporation of Illinois.
Filed October 3, 1938. Serial No. 411,245. PUBLISHED JANUARY 17, 1939. Class 23.

366,061. SHOE LACES AND BRAIDS. AUGUSTO J. ANDREWS, doing business as Pawtucket Standard Braid Company, Pawtucket, R. I.
Filed October 10, 1938. Serial No. 411,439. PUBLISHED DECEMBER 20, 1938. Class 40.

366,062. WIDE KNITTED ELASTIC PIECE GOODS CONTAINING SOME RUBBER THREADS. SUPERIOR SILK MILLS, INC., Gloversville, N. Y.
Filed October 10, 1938. Serial No. 411,473. PUBLISHED JANUARY 17, 1939. Class 42.

366,063. FOOTBALLS, BASKETBALLS, VOLLEY BALLS, SOCCER BALLS, TENNIS BALLS, PLAYGROUND BALLS, SOFT BALLS, BASEBALLS, AND GOLF BALLS. MCMILLAN ATHLETIC GOODS CO., INC., Terre Haute, Ind.
Filed October 15, 1938. Serial No. 411,645. PUBLISHED JANUARY 17, 1939. Class 22.

366,064. BROOCHES, BRACELETS, LAVALIERES, PENDANTS, LOCKETS, CLIPS, NECKLACES, FINGER RINGS, EARRINGS, PINS, ETC. TRADERT & HOEFFER INC., New York, N. Y.
Filed October 15, 1938. Serial No. 411,662. PUBLISHED JANUARY 10, 1939. Class 28.

366,065. RAZOR BLADES. THE MAY DEPARTMENT STORES CO., New York, N. Y., Akron and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., Denver, Colo., and St. Louis, Mo.
Filed October 18, 1938. Serial No. 411,747. PUBLISHED JANUARY 17, 1939. Class 23.

366,066. READY MIXED PAINTS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed October 19, 1938. Serial No. 411,763. PUBLISHED JANUARY 10, 1939. Class 16.

366,067. READY MIXED PAINTS. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed October 19, 1938. Serial No. 411,764. PUBLISHED JANUARY 10, 1939. Class 16.

366,068. BLANK BOOKS IN THE NATURE OF CUSTOMERS' REGISTER. NATIONAL SALES STIMULATOR COMPANY, Kansas City, Kans.
Filed October 19, 1938. Serial No. 411,790. PUBLISHED JANUARY 17, 1939. Class 37.

366,069. PAINT IN READY MIXED FORM WITH THE EXCEPTION OF ALUMINUM PAINT WHICH IS IN DRY FORM, AND PIPE LINE COATING IN THE NATURE OF A PAINT. THE CONTINENTAL SUPPLY COMPANY, Dallas, Tex.
Filed October 20, 1938. Serial No. 411,824. PUBLISHED JANUARY 10, 1939. Class 16.

366,070. NEWSPAPER SECTION AND MAGAZINE. NEW YORK EVENING JOURNAL, INC., New York, N. Y.
Filed October 21, 1938. Serial No. 411,895. PUBLISHED JANUARY 10, 1939. Class 38.

366,071. LUBRICATING OILS AND GREASES. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed October 21, 1938. Serial No. 411,896. PUBLISHED JANUARY 17, 1939. Class 15.

366,072. PIANO HAMMERS AND FOR SPECIALLY PREPARED FELT IN SHEET FORM TO BE CUT AND APPLIED AS THE COVERING AND STRIKING COAT OF PIANO HAMMERS. STANDARD FELT CORPORATION, Alhambra, Calif.
Filed October 21, 1938. Serial No. 411,912. PUBLISHED JANUARY 17, 1939. Class 36.

366,073. WOOLEN PIECE GOODS. CARLTON MILLS CO., INC., Philadelphia, Pa., and New York, N. Y.
Filed October 22, 1938. Serial No. 411,938. PUBLISHED JANUARY 17, 1939. Class 42.

366,074. OYSTERS. EDWARD T. MCNANEY, Baltimore, Md.
Filed October 22, 1938. Serial No. 411,959. PUBLISHED JANUARY 17, 1939. Class 46.

366,075. EXOTHERMIC POWDER COMPOSED OF A MIXTURE OF A METALLIC POWDER AND AN EARTHY POWDER AND USED FOR THE REDUCTION AND CONTROL OF THE FORMATION OF PIPES AND CASTINGS FROM STEEL INGOTS. CONRAD WOLFF, Irvington, N. J.
Filed October 22, 1938. Serial No. 411,981. PUBLISHED JANUARY 17, 1939. Class 1.

366,076. BUCKLES AND SHIRT STUDS, MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME, AND COLLAR HOLDERS, TIE CHAINS, TIE SLIDES, TIE CLASPS, KEY CHAINS, AND CUFF LINKS. BENJAMIN D. MOSESSON, New York, N. Y.
Filed October 26, 1938. Serial No. 412,061. PUBLISHED JANUARY 17, 1939. Class 28.

366,077. ADJUSTABLE FASTENERS. NATIONAL FIBERSTOK ENVELOPE CO., Philadelphia, Pa.
Filed October 29, 1938. Serial No. 412,197. PUBLISHED JANUARY 17, 1939. Class 37.

366,078. MIRRORS. THE MID-WEST GLASS COMPANY, Cincinnati, Ohio.
Filed October 31, 1938. Serial No. 412,229. PUBLISHED JANUARY 17, 1939. Class 32.

366,079. POTATOES. ALBERT MILLER & CO., Chicago, Ill.
Filed October 31, 1938. Serial No. 412,230. PUBLISHED JANUARY 17, 1939. Class 46.

366,080. WOOD CASED PENCILS AND PENCIL LEADS. M. A. FERST, LTD., Atlanta, Ga.
Filed November 1, 1938. Serial No. 412,254. PUBLISHED JANUARY 17, 1939. Class 37.

366,081. HEAT-TREATMENT CONTROL DEVICES FOR STERILIZERS AND THE LIKE HEAT-TREATING DEVICES AND APPARATUS. CARL W. WALTER, Newton Center, Mass.
Filed November 2, 1938. Serial No. 412,315. PUBLISHED JANUARY 17, 1939. Class 44.

366,082. CONTROL DEVICES FOR STERILIZERS AND THE LIKE HEAT-TREATING DEVICES AND APPARATUS. CARL W. WALTER, Newton Center, Mass.
Filed November 2, 1938. Serial No. 412,316. PUBLISHED JANUARY 17, 1939. Class 44.

366,083. POCKET CHECKS. THE WESTERN LITHOGRAPH COMPANY, Wichita, Kans.
Filed November 2, 1938. Serial No. 412,317. PUBLISHED JANUARY 17, 1939. Class 37.

366,084. COFFEE. RAGLAND, POTTER & CO., INC., Nashville, Tenn.
Filed November 3, 1938. Serial No. 412,358. PUBLISHED JANUARY 17, 1939. Class 46.

366,085. FITTED CASES CONTAINING NAIL POLISH PREPARATIONS, SCISSORS, ORANGE STICKS AND NAIL FILES. THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y.
Filed November 3, 1938. Serial No. 412,359. PUBLISHED JANUARY 17, 1939. Class 50.

366,086. PREPARATION CONTAINING SUGAR, COCOA, AND FLAVORING FOR USE IN MAKING FOOD BEVERAGES. SANTIAGO DEVELOPMENT CORPORATION, New York, N. Y.
Filed November 3, 1938. Serial No. 412,361. PUBLISHED JANUARY 17, 1939. Class 46.

366,087. DRIED FRUITS. CALIFORNIA FIG GROWERS AND PACKERS, INC., Fresno, Calif.
Filed November 4, 1938. Serial No. 412,370. PUBLISHED JANUARY 17, 1939. Class 46.

366,088. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Highland Park, Mich.
Filed November 4, 1938. Serial No. 412,372. PUBLISHED JANUARY 17, 1939. Class 19.

366,089. MAGAZINE. OMNIBOOK, INC., New York, N. Y.
Filed November 5, 1938. Serial No. 412,421. PUBLISHED JANUARY 17, 1939. Class 38.

366,090. POWDER PUFFS. A. L. SIEGEL CO., INC., New York, N. Y.
Filed November 5, 1938. Serial No. 412,424. PUBLISHED JANUARY 17, 1939. Class 29.

366,091. LEATHER FOR THE MANUFACTURE OF SHOES AND HANDBAGS. ALBERT TROSTEL & SONS COMPANY, Milwaukee, Wis.
Filed November 5, 1938. Serial No. 412,426. PUBLISHED JANUARY 17, 1939. Class 1.

366,092. EXERCISING MACHINE. HERBERT C. BARBOUR, New York, N. Y.
Filed November 7, 1938. Serial No. 412,431. PUBLISHED JANUARY 17, 1939. Class 22.

366,093. LEATHER IN THE PIECE TO BE USED FOR LEATHER TIPPINGS FOR SHOES. RADEL LEATHER MFG. CO., INC., Newark, N. J.
Filed November 8, 1938. Serial No. 412,525. PUBLISHED JANUARY 17, 1939. Class 1.

366,094. SOAP DISHES, TOWEL BARS, ROLL HOLDERS, TUMBLER AND TOOTH BRUSH HOLDERS, TOWEL RACKS, AND UTILITY HOOKS, ALL FOR ATTACHMENT TO A WALL OR OTHER SUPPORT, AND GLASS AND PORCELAIN BATHROOM SHELVES AND SHELF BRACKETS THEREFOR. THE AUTOTRE COMPANY, INCORPORATED, Oakville, Conn.
Filed November 9, 1938. Serial No. 412,539. PUBLISHED JANUARY 17, 1939. Class 13.

366,095. NATURAL MINERAL SPRINGS WATER. TALAWANDA SPRINGS, INC., Cincinnati, Ohio.
Filed November 9, 1938. Serial No. 412,564. PUBLISHED JANUARY 17, 1939. Class 45.

366,096. ALUMINUM TEA KETTLES. WEST BEND ALUMINUM CO., West Bend, Wis.
Filed November 9, 1938. Serial No. 412,573. PUBLISHED JANUARY 17, 1939. Class 13.

366,097. PAINT IN PASTE FORM. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed November 12, 1938. Serial No. 412,633. PUBLISHED JANUARY 10, 1939. Class 16.

366,098. BRACELETS. GUSTAV HAFFNER, Cincinnati, Ohio.
Filed November 14, 1938. Serial No. 412,705. PUBLISHED JANUARY 10, 1939. Class 28.

366,099. WIDE KNITTED ELASTIC PIECE GOODS MADE OF WOOL, COTTON, SILK, OR RAYON YARNS AND CONTAINING SOME RUBBER THREADS. SUPERIOR SILK MILLS, INC., Gloversville, N. Y.
Filed November 14, 1938. Serial No. 412,737. PUBLISHED JANUARY 17, 1939. Class 42.

366,100. PERFORATED MEMBRANES FOR ACOUSTICAL ABSORPTION OF SOUND, AND BUILDING CONSTRUCTIONS INCORPORATING SAID MEMBRANES. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed November 14, 1938. Serial No. 412,739. PUBLISHED JANUARY 10, 1939. Class 12.

366,101. COPPER BARS USED FOR WELDING. PEREZ EPSTEIN, doing business as Perry Equipment and Supply Company, Philadelphia, Pa.
Filed November 15, 1938. Serial No. 412,759. PUBLISHED JANUARY 17, 1939. Class 14.

366,102. TYPEWRITER PAPER. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed November 17, 1938. Serial No. 412,852. PUBLISHED JANUARY 17, 1939. Class 37.

366,103. WHEAT FLOUR, SELF-RISING WHEAT FLOUR, AND CORN MEAL. JAMES FRANKLIN WHITE, doing business as Uniform Flour Company and Oxford Milling Co., Oxford, N. C.
Filed November 17, 1938. Serial No. 412,884. PUBLISHED JANUARY 17, 1939. Class 46.

366,104. MAGAZINE PUBLISHED FROM TIME TO TIME CONTAINING HINTS AND ADVICE FOR HOME ENTERTAINMENT. PAUL WHITE, New York, N. Y.
Filed November 17, 1938. Serial No. 412,885. PUBLISHED JANUARY 17, 1939. Class 38.

366,105. MOUNTED SHADES, WINDOW SHADES, AND SHADE ROLLERS. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,901. PUBLISHED JANUARY 17, 1939. Class 32.

366,106. MOUNTED SHADES, WINDOW SHADES, AND SHADE ROLLERS. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,902. PUBLISHED JANUARY 17, 1939. Class 32.

366,107. MOUNTED SHADES, WINDOW SHADES, AND SHADE ROLLERS. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,903. PUBLISHED JANUARY 17, 1939. Class 32.

366,108. ELECTRIC APPARATUS KNOWN AS MOISTURE INDICATORS USED TO INDICATE THE DRYNESS OF THE HAIR SUBJECTED TO THE ACTION OF AN ELECTRIC HAIR DRIER OR HAIR WAVING MACHINE. THE MARTIN BROTHERS ELECTRIC COMPANY, Cleveland, Ohio.
Filed November 18, 1938. Serial No. 412,914. PUBLISHED JANUARY 17. 1939. Class 44.

366,109. CARAMEL COLORS FOR USE IN COLORING ALCOHOLIC BEVERAGES. PENICK & FORD, LTD., INCORPORATED, New York, N. Y.
Filed November 18, 1938. Serial No. 412,922. PUBLISHED JANUARY 17, 1939. Class 49.

366,110. COFFEE, TEA, RICE, SPICES, COCOA, TAPIOCA, CANNED FRUITS AND VEGETABLES. C. F. BONSOR & CO., INC., Philadelphia, Pa.
Filed November 19, 1938. Serial No. 412,939. PUBLISHED JANUARY 17, 1939. Class 46.

366,111. FRUIT TREES, PARTICULARLY PEACH TREES. RALPH RAYMOND EMLONG, doing business as Emlong's Nursery, Stevensville, Mich.
Filed November 19, 1938. Serial No. 412,963. PUBLISHED JANUARY 17, 1939. Class 1.

366,112. PERIODICAL PUBLISHED WEEKLY DEVOTED PRINCIPALLY TO SHOPPING NEWS OF INTEREST TO FEMININE EMPLOYEES OF BUSINESS OFFICES. FRANCIS ADVERTISING AGENCY, Detroit, Mich.
Filed November 19, 1938. Serial No. 412,967. PUBLISHED JANUARY 17, 1939. Class 38.

366,113. BEER. MANHATTAN BREWING CO., Chicago, Ill.
Filed November 19, 1938. Serial No. 412,976. PUBLISHED JANUARY 17, 1939. Class 48.

366,114. JEWELRY ADAPTED FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BRACELETS, LOCKETS, ETC. HILBORN-HAMBURGER, INC., New York, N. Y.
Filed November 21, 1938. Serial No. 412,992. PUBLISHED JANUARY 10, 1939. Class 28.

366,115. ELECTRICAL APPARATUS AND MACHINES AND ACCESSORIES CONSISTING OF PORTABLE ELECTRIC TOOLS FOR USE IN SUCH CRAFT WORK AS DRILLING, BORING, GRINDING, BUFFING, BURNISHING, SCREW DRIVING, NUT RUNNING, AND THE LIKE. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed November 21, 1938. Serial No. 412,997. PUBLISHED JANUARY 17, 1939. Class 21.

366,116. REFRACTORY BRICKS, REFRACTORY TILES, REFRACTORY SHAPES, REFRACTORY CEMENTS, AND REFRACTORY GRANULAR MATERIALS FOR USE IN MAKING THE SAME. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed November 21, 1938. Serial No. 413,000. PUBLISHED JANUARY 10, 1939. Class 12.

366,117. FRESH VEGETABLES. PICCHI BROS., Stockton, Calif.
Filed November 21, 1938. Serial No. 413,029. PUBLISHED JANUARY 17, 1939. Class 46.

366,118. HAND, NAIL, AND TOOTH BRUSHES. W. T. GRANT COMPANY, New York, N. Y.
Filed November 22, 1938. Serial No. 413,042. PUBLISHED JANUARY 17, 1939. Class 29.

366,119. TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND MIXTURES THEREOF, AND WOOL AND COTTON AND MIXTURES THEREOF, AND VELVET FABRICS AND RIBBONS MADE OF SILK, WOOL, AND COTTON. COLCOMBET FRANÇOIS & CIE SOCIÉTÉ ANONYME, St. Etienne, France.
Filed November 23, 1938. Serial No. 413,062. PUBLISHED JANUARY 17, 1939. Class 42.

366,120. RADIO RECEIVING SETS AND CONTROLS, PARTS, AND ACCESSORIES THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed November 23, 1938. Serial No. 413,069. PUBLISHED JANUARY 17, 1939. Class 21.

366,121. CIGARETTES. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed November 25, 1938. Serial No. 413,140. PUBLISHED JANUARY 17, 1939. Class 17.

366,122. MEDICATED BANDAGES. DUKE LABORATORIES, Long Island City, N. Y.
Filed November 29, 1938. Serial No. 413,212. PUBLISHED JANUARY 17, 1939. Class 44.

366,123. FRESH CITRUS FRUIT. MCKELLIPS MUTUAL CITRUS GROWERS, INC., Mesa, Ariz.
Filed November 28, 1938. Serial No. 413,229. PUBLISHED JANUARY 17, 1939. Class 46.

366,124. FRESH VEGETABLES. F. C. PETERS, INC., Goulds, Fla.
Filed November 28, 1938. Serial No. 413,239. PUBLISHED JANUARY 17, 1939. Class 46.

366,125. BARBECUE SAUCE. E. M. POWE, doing business as E. M. Powe & Son, Detroit, Mich.
Filed November 28, 1938. Serial No. 413,242. PUBLISHED JANUARY 17, 1939. Class 46.

366,126. BRANDY. T. D. SHEPHERD & CO., also doing business as A. C. Meukow & Co., Cognac, France.
Filed November 28, 1938. Serial No. 413,246. PUBLISHED JANUARY 17, 1939. Class 49.

366,127. BRANDY. T. D. SHEPHERD & CO., also doing business as R. W. Randon & Co., Cognac, France.
Filed November 28, 1938. Serial No. 413,247. PUBLISHED JANUARY 17, 1939. Class 49.

366,128. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed November 29, 1938. Serial No. 413,263. PUBLISHED JANUARY 17, 1939. Class 17.

366,129. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed November 29, 1938. Serial No. 413,264. PUBLISHED JANUARY 17, 1939. Class 17.

366,130. FINGER RINGS. JULIUS H. COLEMAN, Baltimore, Md.
Filed December 1, 1938. Serial No. 413,290. PUBLISHED JANUARY 10, 1939. Class 28.

366,131. WHISKIES, GINS, BRANDIES, AND CORDIALS. L. BAMBERGER & CO., Newark, N. J.
Filed December 2, 1938. Serial No. 413,384. PUBLISHED JANUARY 17, 1939. Class 49.

366,132. WINES. L. BAMBERGER & CO., Newark, N. J.
Filed December 2, 1938. Serial No. 413,385. PUBLISHED JANUARY 17, 1939. Class 47.

366,133. CANNED FISH, SQUID, AND ABALONE; TOMATO CATSUP, BAKING POWDER, FRESH DECIDUOUS AND CITRUS FRUITS, FRESH GRAPES AND FRESH VEGETABLES; AND CANNED FRUITS AND VEGETABLES, RAISINS, AND DRIED FRUITS. CONNELL BROS. COMPANY LIMITED, San Francisco, Calif.
Filed July 12, 1938. Serial No. 408,419. PUBLISHED JANUARY 31, 1939. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

366,134 (CLASS 39. CLOTHING.) TIDY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 31, 1936. Serial No. 374,345.

COVER-TOT

For Infants' Sleeping Garment Having Combined Use as a Blanket.
Claims use since Jan. 24, 1936.

366,135. (CLASS 39. CLOTHING.) LERNER'S VOGUE SHOPS, Kansas City, Mo. Filed Jan. 8, 1938. Serial No. 401,698.

Joan Eddy

For Women's Wearing Apparel—Namely, Hosiery, Dresses, and Lingerie—Namely, Brassières, Bloomers, Bed Jackets, Dance Sets, Girdles, Gowns, Panties, Pajamas, Petticoats, Robes, Negligees, House Coats, Slips, Chemises, and Vests.
Claims use since June 16, 1937.

366,136. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed Feb. 4, 1938. Serial No. 402,694.

Yates

For Men's Dress Shirts.
Claims use since Dec. 1, 1937.

366,137. (CLASS 39. CLOTHING.) GROSS SYDNEY INC., New York, N. Y. Filed Feb. 7, 1938. Serial No. 402,799.

Terry Rogers

For Women's and Misses' Suits, Dresses, Blouses, and Skirts.
Claims use since Dec. 22, 1937.

366,138. (CLASS 32. FURNITURE AND UPHOLSTERY.) LULLABYE FURNITURE CORPORATION, Stevens Point, Wis. Filed Feb. 11, 1938. Serial No. 402,946.

SNOW WHITE

For Children's Bedroom Furniture—Namely, Cribs, Youth Beds, Bassinettes, Dressers, Chests of Drawers, Chairs, Steps for Beds, and Night Lamp Stands.
Claims use since Jan. 27, 1938.

366,139. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARLINGEN CANNING COMPANY, Harlingen, Tex. Filed Feb. 23, 1938. Serial No. 403,313.

SILVER VALLEY

For Canned Fruits, Canned Vegetables, and Canned Fruit Juices for Food Purposes.
Claims use since Feb. 7, 1938.

366,140. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) REEVES STEEL AND MANUFACTURING COMPANY, Dover, Ohio. Filed Feb. 24, 1938. Serial No. 403,374.

TRU-BLU

For Sheet Steel.
Claims use since Feb. 2, 1938.

366,141. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REVLON NAIL ENAMEL CORPORATION, New York, N. Y. Filed Feb. 25, 1938. Serial No. 403,421.

AURORA

For Enamel Adapted for Coating Finger Nails.
Claims use since Feb. 9, 1938.

366,142. (CLASS 32. FURNITURE AND UPHOLSTERY.) LISSON-MELEN CO., Lynn, Mass. Filed Mar. 5, 1938. Serial No. 403,729.

Ev-R-Loc

For Spring Units or Assemblies Such as are Used in Innerspring Mattresses, Seat Cushions, and Upholstered Furniture.
Claims use since Feb. 24, 1938.

366,143. (CLASS 39. CLOTHING.) ARTHUR GOLDBERG DRESSES, INC., New York, N. Y. Filed Mar. 8, 1938. Serial No. 403,818.

Kay Carter

For Misses' and Juniors' Dresses and Suits.
Claims use since Dec. 15, 1937.

366,144. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MORRISON MILLING CO., Denton, Tex. Filed Mar. 8, 1938. Serial No. 403,823.

MORRISON'S PRETTY PRINTS FLOUR

For Wheat Flour.
Claims use since Feb. 8, 1938.

366,145. (CLASS 37. PAPER AND STATIONERY.) HURLBUT PAPER COMPANY, South Lee, Mass. Filed Mar. 11, 1938. Serial No. 403,949.

AUDUBON

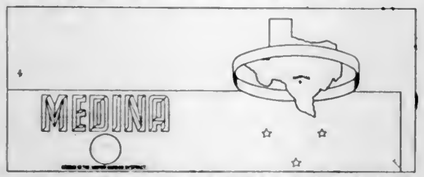
For Writing Papers.
Claims use since June 15, 1937.

366,146. (CLASS 39. CLOTHING.) LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Apr. 12, 1938. Serial No. 405,166.

OLDE MAHOGANY

For Men's and Boys' Suits.
Claims use since Feb. 15, 1938.

366,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIGGS CANNING COMPANY, Natalia, Tex. Filed May 16, 1938. Serial No. 406,378.



For Canned Vegetables and Canned Sauerkraut.
Claims use since Jan. 1, 1930.

366,148. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GRANT & GRANT, Los Angeles, Calif. Filed July 20, 1938. Serial No. 408,682.

GRANT

For Piston Rings and Piston Adjusters.
Claims use since Nov. 8, 1930.

366,149. (CLASS 32. FURNITURE AND UPHOLSTERY.) ERIC D. HIRSCH, doing business as Holdafone Co., Memphis, Tenn. Filed Aug. 1, 1938. Serial No. 409,128.

HOLDAFONE

For Portable Telephone Stand.
Claims use since June, 1935.

366,150. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ANTON KOMAROMY, New York, N. Y. Filed Aug. 25, 1938. Serial No. 409,970.

SILVERBLU

For Chemical Compound Used to Tint Gray and White Hair.
Claims use since June 1, 1937.

366,151. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) MILAN M. MIKULAS, doing business as Mylans, San Francisco, Calif. Filed Sept. 14, 1938. Serial No. 410,549.

Mylans

For Iron Phosphate; Potassium Chloride; Potassium Phosphate; Potassium Sulphate; Magnesium Phosphate; Calcium Phosphate; Calcium Fluoride; Calcium Sulphate; Sodium Chloride; Sodium Sulphate; Sodium Phosphate; Silicon Oxide; and a Medicinal Preparation Used in the Treatment for Tape Worm.
Claims use since Jan. 10, 1938.

366,152. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROSS, LIMITED, London, England. Filed Oct. 5, 1938. Serial No. 411,312.

ROSS

For Binoculars, Opera Glasses, Photographic Lenses, Telescopes, Microscopes, Cameras, Cinematograph Projectors, Projection Lenses, Electric Arc Lamps for Use in Cinematograph Projectors, and Epidiascopes.
Claims use since 1870.

366,153. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED COMPANY, Sanford, Maine. Filed Nov. 15, 1938. Serial No. 412,762.



For Piece Goods Made from Combinations of Mohair, Cotton, Wool, Alpaca, Camel Hair, Silk and Artificial Silk, also Woolen, Cotton, Mohair, and Plush Piece Goods, also Linings of Cotton, Worsted, Silk, and Artificial Silk.
Claims use since July 28, 1914.

366,154. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) J. A. BARFOOT, doing business as J. A. Barfoot & Company, Los Angeles, Calif. Filed Nov. 16, 1938. Serial No. 412,791.



For Insecticides for Agricultural and Horticultural Use and Purposes.
Claims use since Nov. 1, 1937.

366,155. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARINE OPTICAL MFG. CO., Boston, Mass. Filed Dec. 16, 1938. Serial No. 413,909.

"OVER SPECS"

For Sun Glasses Adapted for Attachment to Eyeglasses or Spectacles.
Claims use since Apr. 14, 1937.

366,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FALLS CITY CREAMERY COMPANY, Falls City, Nebr. Filed Dec. 19, 1938. Serial No. 413,985.

Nemaha

For Dressed Poultry and Eggs.
Claims use since Oct. 25, 1925.

366,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FALLS CITY CREAMERY COMPANY, Falls City, Nebr. Filed Dec. 19, 1938. Serial No. 413,986.

NEMAHA VALLEY

For Butter.
Claims use since May, 1926.

366,158. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LUBE JACK CO., Santa Monica, Calif. Filed Dec. 24, 1938. Serial No. 414,199.

SQUEAK ELIMINATOR

For Mechanism Including a Fluid Pressure Operated Piston for Placement Under a Vehicle to Vibrate the Same During the Process of Lubrication.
Claims use since Sept. 10, 1937.

366,159. (CLASS 37. PAPER AND STATIONERY.) CRITERION PAPER AND TWINE CO., New York, N. Y. Filed Dec. 17, 1938. Serial No. 414,247.



For Pattern Paper for Dress and Other Patterns.
Claims use since Oct. 10, 1936.

366,160. (CLASS 39. CLOTHING.) LOOMTOGS, INC., New York, N. Y. Filed Dec. 29, 1938. Serial No. 414,303.

Arabesque

For Women's and Misses' Playsuits, Bathing Suits, Coats and Skirts, Made of a Rayon Fabric.
Claims use since Feb. 1, 1938.

366,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE COLUMBIA MILLS, INC., New York, N. Y. Filed Jan. 25, 1939. Serial No. 415,212.

MANOR

For Window Shade Cloth in the Piece.
Claims use since Sept. 1, 1936.

TRADE-MARK REGISTRATIONS RENEWED

16,851. BEER OF ALL DESCRIPTIONS. Registered July 23, 1889. BASS, RATCLIFF & GRETTON, LIMITED, Burton-on-Trent, England, a corporation of Great Britain. Re-renewed July 23, 1939.

124,528. PILE REMEDY AND ECZEMA REMEDY. Registered February 25, 1919. LYLE MAYNARD FLETCHER, Sacramento, Calif. Renewed February 25, 1939.

124,548. HOSIERY. Registered February 25, 1919. JULIUS KAYSER & Co., New York, N. Y., a corporation of New York. Renewed February 25, 1939.

124,597. COTTON PIECE GOODS. Registered February 25, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed February 25, 1939, to Robert A. Suffern, Plainfield, N. J.

124,610. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,611. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,612. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,613. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,614. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,615. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,616. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,617. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,618. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,619. PAPER BAGS. Registered February 25, 1919. VICTORY BAG & PAPER Co., Chicago, Ill. Renewed February 25, 1939, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee.

124,761. INDEX-TABS. Registered March 11, 1919. J. H. RAND CORP'N. Renewed March 11, 1939, to The Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y., a corporation of New York, assignee by mesne assignments.

124,782. COTTON PIECE GOODS. Registered March 11, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed March 11, 1939, to Robert A. Suffern, Plainfield, N. J.

124,796. NAILS AND TACKS. Registered March 11, 1919. UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass., a corporation of New Jersey. Renewed March 11, 1939.

124,894. COTTON PIECE GOODS. Registered March 18, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed March 18, 1939, to Robert A. Suffern, Plainfield, N. J.

124,999. COTTON PIECE GOODS. Registered April 1, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed April 1, 1939, to Robert A. Suffern, Plainfield, N. J.

125,016. INSULATED WIRE. Registered April 8, 1919. ATLANTIC INSULATED WIRE & CABLE COMPANY, Jersey City, N. J., and New York, N. Y. Renewed April 8, 1939, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

125,099. MEN'S READY-TO-WEAR CLOTHES—NAMELY, MEN'S COATS, VESTS, AND TROUSERS. Registered April 8, 1919. SEARS, ROEBUCK AND Co., Chicago, Ill., a corporation of New York. Renewed April 8, 1939.

125,135. WRITING-PAPER. Registered April 15, 1919. FOX RIVER PAPER Co. Renewed April 15, 1939, to Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin, assignee.

125,265. OLEOMARGARIN. Registered April 29, 1919. DAVID A. BLANTON, St. Louis, Mo. Renewed April 29, 1939.

125,509. CARBON-PAPER. Registered May 20, 1919. REMINGTON TYPEWRITER COMPANY, Ilion and New York, N. Y. Renewed May 20, 1939, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee.

125,529. FEED-WATER CONTROLLERS USED IN CONNECTION WITH STEAM-BOILERS. Registered May 20, 1919. GEORGE W. STETSON, Boston, Mass. Renewed May 20, 1939.

125,531. COTTON PIECE GOODS. Registered May 20, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed May 20, 1939, to Robert A. Suffern, Plainfield, N. J.

125,532. COTTON PIECE GOODS. Registered May 20, 1919. ROBERT A. SUFFERN, New York, N. Y. Renewed May 20, 1939, to Robert A. Suffern, Plainfield, N. J.

125,615. FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPE-FRUIT, AND LEMONS. Registered June 3, 1919. BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr and Redlands, Calif. Renewed June 3, 1939, to Bryn Mawr Fruit Growers Association, Bryn Mawr, Calif., a corporation of California, assignee.

125,958. COTTON PIECE GOODS. Registered July 22, 1919. BATES MANUFACTURING COMPANY, Lewiston, Maine, a corporation of Maine. Renewed July 22, 1939.

126,028. A COLORING FOR FOODS. Registered July 22, 1919. H. KOHNSTAMM & Co. Renewed July 22, 1939, to H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York, assignee.

126,033. LADIES' WEARING-APPAREL — NAMELY, BRASSIÈRES, PLAIN AND FANCY COLLARS, CUFFS, AND JABOTS. Registered July 22, 1919. LOUIS LEVY. Renewed July 22, 1939, to Model Brassiere Corp., New York, N. Y., a corporation of New York, assignee by mesne assignments.

LABELS

REGISTERED MARCH 28, 1939

52,693.—*Title:* LACQUER. For Iridescent Lacquer. ABELES-LEWIT Co. INC., New York, N. Y. Published November 1, 1938.

52,694.—*Title:* SALLY ANN SLICED BREAD. For Sliced Bread. CLYDE A. ALEXANDER, doing business as Alexander's Bakery, Parsons, Kans. Published August 3, 1937.

52,695.—*Title:* OL'FASHION FLAVOR ICE CREAM. For Ice Cream. ASH-BRADFORD, INC., South Bend, Ind. Published January 30, 1939.

52,696.—*Title:* RANGER BREAD. For Bread. CHARLES GORDON BATHE, Tulsa, Okla. Published February 1, 1939.

52,697.—*Title:* HOLWHITE SLICED BREAD. For Bread. BAUR FLOUR MILLS Co., St. Louis, Mo. Published February 18, 1939.

52,698.—*Title:* BOSTON MARKET BRAND PASCAL. For Celery. BAY STATE PRODUCE Co., INC., Boston, Mass. Published January 11, 1938.

52,699.—*Title:* OLD AGE. For Kentucky Straight Bourbon Whiskey. PHILIP BLUM & COMPANY, INC., Chicago, Ill. Published January 11, 1939.

52,700.—*Title:* SILVER BAR. For Distilled London Dry Gin. PHILIP BLUM & COMPANY, INC., Chicago, Ill. Published April 3, 1937.

52,701.—*Title:* C AND H SUGAR PURE CANE DARK BROWN. For Sugar. CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, LIMITED, doing business as California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Published February 15, 1939.

52,702.—*Title:* DAIRY ORANGE BASE. For a Dairy Orange Base for Making a Juice Drink. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published July 1, 1938.

52,703.—*Title:* CARBURETOR REPAIR PARTS PACKAGE. For Carburetor Repair Parts Assortments. CARTER CARBURETOR CORPORATION, St. Louis, Mo. Published February 20, 1939.

52,704.—*Title:* SADDLE-MASTER SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published October 13, 1937.

52,705.—*Title:* ONCE AGAIN. For Kentucky Straight Bourbon Whiskey. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Published January 31, 1939.

52,706.—*Title:* BUBBLES SOAP POWDER. For Soap Powder. JACOB KLEIN, doing business as Bubbles Soap Products, Newark, N. J. Published February 16, 1939.

52,707.—*Title:* WHEATO-NUTS. For Cereal Food. LANGENDORF UNITED BAKERIES, INC., San Francisco, Calif. Published January 30, 1939.

52,708.—*Title:* LEENAARS CHOCOLATES. For Chocolates. PETER JOHN LEENAARS, JR., doing business as Peter Leenaars, Battle Creek, Mich. Published December 2, 1938.

52,709.—*Title:* LUCKY HEART 2 WAY COMBINATION. For Cocoanut Oil Shaving Cream and Hair Shampoo. LUCKY HEART LABORATORIES, INC., Memphis, Tenn. Published January 10, 1939.

52,710.—*Title:* LA HARPE CREAMERY BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published January 28, 1938.

52,711.—*Title:* THE SWING-EZY JUMPROPE. For Jump Ropes. ERIK J. MORDT, Port Washington, N. Y. Published January 31, 1939.

52,712.—*Title:* NOTED. For Bread. CHARLES R. MYERS, Indianapolis, Ind. Published August 3, 1938.

52,713.—*Title:* OLD MOUNTAINEER. For Bourbon Whiskey. OLD MOUNTAINEER DISTILLING Co., INCORPORATED, Louisville, Ky. Published January 2, 1939.

52,714.—*Title:* PENDLETON. For Automobile Batteries. PENN BATTERY MANUFACTURING Co. INC., New York, N. Y. Published January 27, 1939.

52,715.—*Title:* VE-TA-CO. For a Medicinal Tonic and Stimulant to the Appetite. S. PFEIFFER MFG. Co., St. Louis, Mo. Published February 23, 1939.

52,716.—*Title:* REAPE'S SCALP TREATMENT. For a Scalp Treatment Dandruff Remover. JOHN E. REAPE, doing business as John E. Reape Co., Youngstown, Ohio. Published February 6, 1939.

52,717.—*Title:* SEAL-TIP CORN PADS. For Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 21, 1939.

52,718.—*Title:* SEAL-TIP CALLOUS PADS. For Callous Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 21, 1939.

52,719.—*Title:* SEAL-TIP BUNION PADS. For Bunion Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 21, 1939.

52,720.—*Title:* SEAL-TIP SOFT CORN PADS. For Soft Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published February 21, 1939.

52,721.—*Title:* DR. SCHOLL'S SUPER-FOT ZINO PADS. For Soft Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published November 11, 1938.

52,722.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published November 11, 1938.

52,723.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Bunion Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published November 11, 1938.

52,724.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Callous Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published November 11, 1938.

52,725.—*Title:* HI-CALORIED VE-GOR. For Dog Food. VE-GOR DOG FOOD COMPANY, Los Angeles, Calif. Published January 1, 1939.

52,726.—*Title:* POTATO CRUSH. For Bread. MARY C. WAGNER, Cincinnati, Ohio. Published February 11, 1939.

52,727.—*Title:* WARD'S DONUTS. For Doughnuts. WARD BAKING COMPANY, New York, N. Y. Published January 24, 1939.

52,728.—*Title:* SPEED BALL. For Non-Alcoholic Beverages. WARWICK GINGER ALE CO., INC., West Warwick, R. I. Published February 13, 1939.

52,729.—*Title:* PENN ORCHARD. For Apple Brandy. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa. Published February 9, 1939.

PRINTS

REGISTERED MARCH 28, 1939

17,280.—*Title:* SPRAY OR STREAM. For Faucet Attachments. CARL E. LEHMAN, doing business as Faucetqueen Company, Chicago, Ill. Published January 27, 1939.

17,281.—*Title:* STRENGTH OF THE LOOM. For Brassières, Bandeaus, Corsets, Girdles, Corsettes, Textile and Textile Products, Yards Goods, Wearing Apparel, and Finished Textile Products of All Kinds. I. JOSEPH LEON, Freeport, N. Y. Published August 1, 1937.

17,282.—*Title:* MASTER GLAZE (PRINT NO. 1). For a Cleaner and a Polish for Glazing Automobiles. THE MASTER GLAZE CO., Milwaukee, Wis. Published September 1, 1938.

17,283.—*Title:* MASTER GLAZE (PRINT NO. 2). For a Cleaner and a Polish for Glazing Automobiles. THE MASTER GLAZE CO., Milwaukee, Wis. Published September 7, 1938.

17,284.—*Title:* IT'S SMART TO BE COMFORTABLE. For Women's Hosiery. MUNSINGWEAR, INC., Minneapolis, Minn. Published December 8, 1938.

17,285.—*Title:* IT'S SMART TO BE COMFORTABLE. For Women's Girdles. MUNSINGWEAR, INC., Minneapolis, Minn. Published December 8, 1938.

17,286.—*Title:* IT'S SMART TO BE COMFORTABLE. For Men's Underwear. MUNSINGWEAR, INC., Minneapolis, Minn. Published December 8, 1938.

17,287.—*Title:* IT'S SMART TO BE COMFORTABLE. For Men's Socks. MUNSINGWEAR, INC., Minneapolis, Minn. Published December 8, 1938.

17,288.—*Title:* GAY BLADES. For Safety Razor Blades. DANIEL H. RIDER, doing business as Gay Blade Company, New York, N. Y. Published October 1, 1938.

17,289.—*Title:* DR. SCHOLL'S FIXO CORN PLASTERS. For Corn Plasters. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,290.—*Title:* DR. SCHOLL'S BROMIDROSIS POWDER. For Foot Powder and Deodorant. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,291.—*Title:* DR. SCHOLL'S TOE-FLEX. For Foot Corrective Devices for Straightening Crooked Toes. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,292.—*Title:* DR. SCHOLL'S FOOT BALM. For Foot Balm. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,293.—*Title:* DR. SCHOLL'S "2" DROP CORN REMEDY. For Corn Remedy. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,294.—*Title:* DR. SCHOLL'S BUNION REDUCER. For Bunion Reducers. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,295.—*Title:* DR. SCHOLL'S KUROTEX. For Foot Plaster. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,296.—*Title:* DR. SCHOLL'S FOOT POWDER. For Foot Powder. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,297.—*Title:* DR. SCHOLL'S ZINO-PADS. For Soft Corn Pads. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,298.—*Title:* CEREAL AND FRUIT—(COUNTER CARD). For Breakfast Cereal. LLOYD M. SKINNER, doing business as Skinner Manufacturing Company, Omaha, Nebr. Published February 10, 1939.

17,299.—*Title:* CEREAL AND FRUIT "SHOPPER STOPPER". For Breakfast Cereal. LLOYD M. SKINNER, doing business as Skinner Manufacturing Company, Omaha, Nebr. Published February 10, 1939.

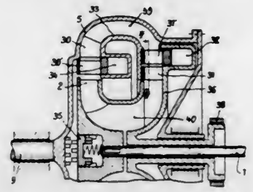
17,300.—*Title:* BUT WHAT ARE YOU DOING ABOUT YOUR EYES? For Lenses. SOFT-LITE LENS CO., INC., New York, N. Y. Published January 25, 1939.

17,301.—*Title:* HIS SKILL MAY HELP HER DISCOVER A NEW WORLD. For Lenses. SOFT-LITE LENS CO., INC., New York, N. Y. Published January 25, 1939.

REISSUES

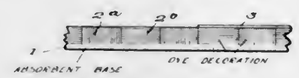
MARCH 28, 1939

21,035
HYDRAULIC TRANSMISSION GEAR
Hermann Föttinger, Berlin-Wilmersdorf, Germany
Original No. 2,116,461, dated May 3, 1938, Serial No. 719,008, April 4, 1934. Application for reissue January 9, 1939, Serial No. 250,076
6 Claims. (Cl. 60—54)



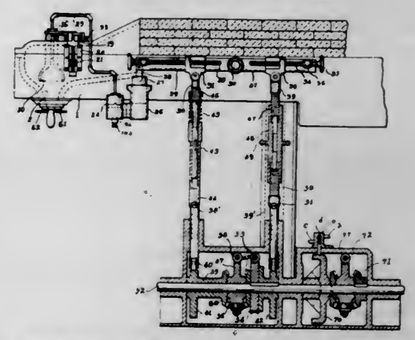
1. A hydraulic transmission gear for an intensified automatic torque increase at the start, comprising a primary pump wheel, only one secondary wheel the inlet radius of which does not exceed the outlet radius, and the blades of which, substantially thickened at the inlet and eventually rounded off, and formed with flat angles, β_2 with the circumference at the outlet whereby the the relative discharge velocity (w_2) and the peripheral velocity (u_2) at that point are of substantially the same magnitude at the normal angular speed of maximal efficiency (n_{norm}), a chamber connecting the outlet of the secondary wheel with the inlet of the pump wheel, guide means operable in said chamber and consisting of two rims one of which carries guide blades continually operative while the other rim carries supplementary blades for slow angular speeds of the secondary wheel, and means for rendering the supplementary blades inoperative at higher angular speeds.

21,036
FLOOR COVERING
Ralph G. Jackson, Woodbury, N. J.
Original No. 1,729,833, dated October 1, 1929, Serial No. 111,769, May 26, 1926. Application for reissue September 29, 1931, Serial No. 565,911
11 Claims. (Cl. 91—68)



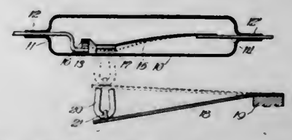
1. A floor covering of the smooth surface waterproof type comprising a sheet of fibrous material having designs in decorative coloring visible on at least one face thereof and which designs extend well down into the body of the sheet and tint the fibers but do not fill the voids between the fibers, and a waterproof transparent saturant filling material which has been dried by evaporation filling the voids between the fibers and substantially throughout the thickness of the sheet and providing a smooth tough wear surface displaying said designs.

21,037
DISPLACEMENT GLASS FEEDER
Peter Kucera, Allison Park, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Original No. 1,997,799, dated April 16, 1935, Serial No. 595,984, March 1, 1932. Application for reissue November 18, 1936, Serial No. 111,401
19 Claims. (Cl. 49—55)



1. Apparatus for segregating mold charges of regulable weight and shape from a mass of molten glass comprising a feeder boot having a well in the extended end thereof terminating in a discharge orifice, a feeding bell in alignment with said orifice, impulse producing mechanism communicating with said bell for producing impulses of the glass within said well and bell, said mechanism comprising a cylinder, a body of neutral liquid therein, a conduit connecting said cylinder with said bell for confining a column of air between said liquid and the glass in said bell, a plunger acting upon the neutral liquid in said cylinder to produce impulses which are transmitted by said column of air to the glass in said feeding bell, and adjustable means for producing and maintaining a given volume of air in the cavity of said bell whereby the volume of the glass admitted to the bell cavity is positively controlled.

21,038
MAGNETIC SWITCH
Oscar J. Leins, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original No. 1,958,482, dated May 15, 1934, Serial No. 625,421, July 28, 1932. Application for reissue January 10, 1939, Serial No. 250,248
24 Claims. (Cl. 200—138)

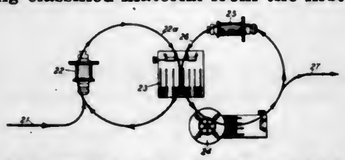


1. In a control device, a housing, a socket mounted within said housing, a switch unit

mounted in said socket comprising switch contacts disposed within an evacuated casing, thermally sensitive means encircling said casing for closing said switch contacts, and means for rotating said thermally sensitive means.

21,039
METHOD OF GRINDING
James V. Slade, New Rochelle, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Original No. 2,052,426, dated August 25, 1936, Serial No. 637,696, October 14, 1932. Reissue No. 20,941, dated December 6, 1938, Serial No. 226,039, August 23, 1938. This application for reissue February 1, 1939, Serial No. 254,071
16 Claims. (Cl. 83—94)

16. A method of stagewise wet grinding, which comprises grinding material to be treated in parallel operation in a first and in a second grinding stage; introducing new feed material into the system by way of the first grinding stage; transferring material from the discharging of both grinding stages to a first wet classifying stage; recycling classified material from the first classi-



fying stage to the one of said grinding stages while transferring the overflow from that classifying stage to a second wet classifying stage; and recycling classified material from said second classifying stage to the other of said grinding stages.

PLANT PATENTS

GRANTED MARCH 28, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

320
PEACH TREE
Willie Marsden Perry, Chase City, Va., assignor to Bountiful Ridge Nurseries, Princess Anne, Md.
Application August 27, 1938, Serial No. 227,206
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree characterized as to novelty by the early ripening of its fruit, the color and thickness of the flesh of said fruit, the small size of the pit, and the freestone nature of the fruit, substantially as shown and described.

321
ROSE
Jean Gaujard, Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y.
Application May 5, 1937, Serial No. 140,978
1 Claim. (Cl. 47—61)

A new and distinct variety of everblooming rose plant particularly useful for mass bedding, characterized as to novelty by the unusual and distinctive coloring of the flowers, substantially as shown and described.

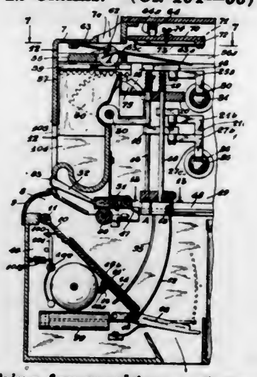
322
DAHLIA
Roy Yoshikata Kimura, Los Angeles, Calif.
Application July 20, 1938, Serial No. 220,302
1 Claim. (Cl. 47—60)

A new variety of dahlia plant as illustrated and described, characterized particularly by its blossoms of distinctive red color, uniform medium size, and symmetrical "bowl-shaped" form with closed center, having unusually good keeping qualities.

PATENTS

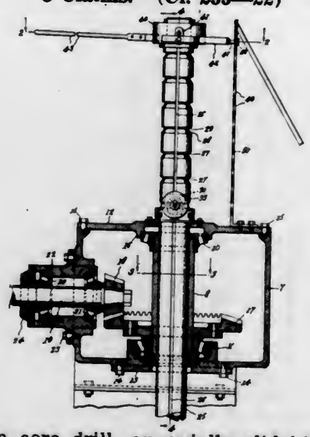
GRANTED MARCH 28, 1939

2,151,672
COIN CONTROLLED POSTAGE MARKING MACHINE
George A. Ammann, Riverhead, N. Y.
Application June 11, 1934, Serial No. 730,122
12 Claims. (Cl. 194—55)



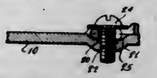
1. A machine for marking postage on mailable articles, consisting of a series of printing plungers, a coin receiver arranged to receive a plurality of coins edgewise shiftable into registration with the plungers, a locking device for preventing unauthorized movement of the receiver adapted to be actuated by any coin, means for guiding coins to the receiver so that they are received edgewise, and means for applying pressure on the coins in the receiver when the receiver is in registration with the printing plungers to actuate any printing plungers engaged thereby.

2,151,673
CORE DRILL
William L. Acker, Scranton, Pa.
Application March 26, 1938, Serial No. 198,304
8 Claims. (Cl. 255—22)



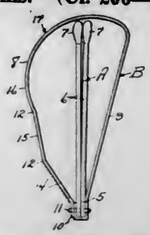
1. In a core drill, an axially slidable spindle having a series of annular grooves spaced apart along its axial length, the upper walls being abrupt and the lower walls beveled, a latch for selectively engaging said grooves to hold the spindle elevated, and means for raising and lowering said spindle, said latch having a beveled undersurface engaged by the beveled lower walls of the grooves to automatically disengage the latch on lifting movement of the spindle.

2,151,674
SOLDERLESS CONNECTOR
Frederick B. Adam, St. Louis County, and Henry M. Stieglitz, St. Louis, Mo., assignors to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application June 22, 1936, Serial No. 86,536
4 Claims. (Cl. 173—259)



2. An electrical connector comprising a bar member provided with parallel upstanding edges on opposite sides thereof terminating in upturned corners extending above the edges at the end of the bar member and having a substantially spherical depressed portion between the upstanding edges provided with a plurality of concentric ridges for clamping engagement with a conductor and means for clamping the conductor in the depressed portion and between the parallel upstanding edges.

2,151,675
SAFETY BOOK MATCH
Enock Ancker, Albuquerque, N. Mex.
Application December 1, 1937, Serial No. 177,567
4 Claims. (Cl. 206—29)



1. In a match book, the combination of a match strip including a base and a plurality of match splints, and a cover folded around said match strip and having its ends permanently secured to the base of said strip, the cover having a length sufficient to permit the insertion of the thumb and finger of the user between the cover and the opposite faces of the match strip whereby a single match may be separated from the base and withdrawn from the cover while the remaining matches are retained within the cover, said cover including front and rear walls, one of said walls being scored transversely at spaced points to form a resultant upwardly projecting pleat and effecting a contraction of the cover about the said match strip.

2,151,676
AIR PISTOL
James P. Appleby, Anoka, Minn., assignor to The Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application October 14, 1937, Serial No. 168,918
4 Claims. (Cl. 124—15)

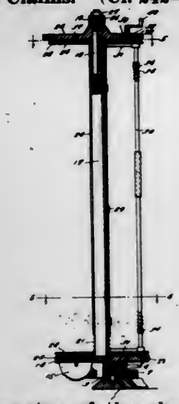
1. In a gun of the kind described, a casing, a

barrel slidable through said casing, ball-projecting means including a forwardly spring-pressed plunger working in said barrel and provided at its rear end with a sear-engaging detent, a bracket rigidly secured to said casing below said barrel and provided within said barrel with a tubular guide sleeve for the rear end of said plunger, a spring-pressed sear lever pivoted to said casing and having one end engageable with the detent of said plunger to hold the same re-



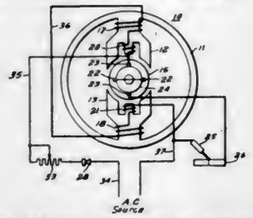
tracted, a trigger pivoted within said casing and operative on said sear lever to release the same and produce the firing action, said trigger having an upwardly projecting lug operative on said sear lever, said barrel being cut away or removed at that portion thereof that overlies said trigger lug when said barrel is in the forward position, the lower uncut or removed body portion of said tube being arranged to overlie said lug and prevent firing when said barrel is in a rearward position.

2,151,677
ROTARY RUG RACK
Harvie E. Baker, Tulsa, Okla., assignor of one-third to Tom P. Ingle and one-third to Charles E. Lander, both of Dawson, Okla.
Application July 28, 1937, Serial No. 156,199
3 Claims. (Cl. 242—55.3)



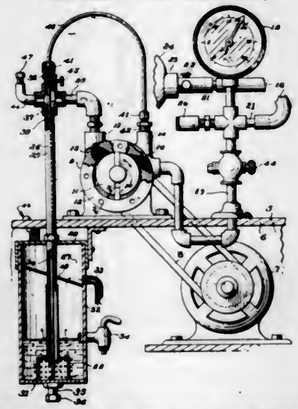
1. An apparatus of the class described comprising a rotary base, a plurality of base members hingedly connected to the rotary base, a shaft connected to each base member, a top member supported for vertical movement on the upper end of the shaft, a sleeve on each shaft, a disk connected to the upper end of the sleeve, rollers between the disk and the top member, a disk at the lower end of each shaft, rollers between the same and the base member, a spring on the shaft between the last mentioned disk and the lower end of the sleeve, a rod connected with each pair of base and top members adjacent a portion of the periphery thereof, spring-pressed roller-bearing arms carried by the rod and having their rollers engaging a member wound on the sleeve, arms carried by the rod, a telescopic slotted member carried by the arms and through which the member is adapted to pass, screws carried by the slotted member, and means whereby the sleeve and the disks can be rotated.

2,151,678
DIRECT CURRENT WELDING GENERATOR
John H. Blankenbuehler, Edgewood, and William R. Harding, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1936, Serial No. 102,066
8 Claims. (Cl. 171—312)



4. A power system comprising, in combination, a generator of the cross-field type having oppositely disposed field pole members positioned within a frame and an armature rotatably associated therewith, main and auxiliary brushes associated with the armature, series field windings disposed on said pole members, terminal members connected with said series field windings and main brushes for connection to an external circuit, and an auxiliary excitation circuit including a rectifier and an alternating-current source for providing an unvarying flow of auxiliary excitation current through said series field winding in a given direction without altering the operating characteristics of the machine for restoring the normal direction of cross-magnetizing current flow between the auxiliary brushes after a reversal of the main excitation current.

2,151,679
VACUUM APPARATUS
Louis Blumer, Miami, Fla.
Application February 12, 1936, Serial No. 63,622
4 Claims. (Cl. 230—138)

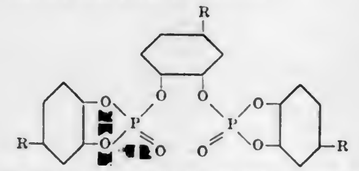


1. Apparatus for external vacuum treatment of the human body, comprising a pump consisting of a cylinder and piston grooved on abutting faces so as to allow escape by the piston of compressed gases to such extent as to be ineffective in the

absence of a lubricating liquid therein of predetermined viscosity and a quantity in excess of that for lubrication, said pump having an inlet, means to connect a therapeutic appliance to said inlet, means to supply a leakage impeding liquid to said inlet in quantity variable at will, and means to restrict the maximum flow within limits short of retardance of said escape of gases producing a suction effect beyond the minimum pressure which may safely be established over external surfaces of the body as described, said pump having an outlet for gases and liquid, and means to operate the pump at a predetermined speed in relation to the viscosity of said liquid.

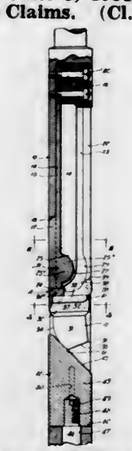
2,151,680
TRI-(4-TERTIARY-ALKYL-1.2-PHENYLENE) PHOSPHATES
Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 28, 1938, Serial No. 198,494
2 Claims. (Cl. 260—461)

1. A tri-(4-tertiary-alkyl-1, 2-phenylene) phosphate having the general formula



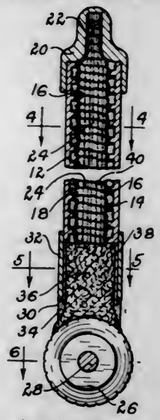
wherein R represents a tertiary alkyl group.

2,151,681
PERFORATOR
Ora A. Brown, South Gate, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application June 5, 1934, Serial No. 729,098
28 Claims. (Cl. 164—0.4)



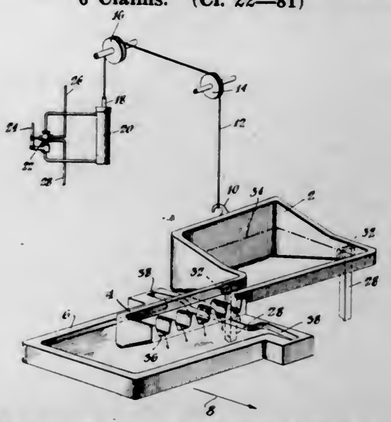
1. A perforator including, a body, two projections on the body having convex surfaces, a cutter carried by the body to successively cooperate with the projections to progressively swing outwardly, and means for actuating the cutter to cooperate with one projection to swing into engagement with the casing, the cutter being caused to cooperate with the second projection by movement of the body relative to the casing.

2,151,682
FOUNTAIN STRIPING DEVICE
Carl E. Burkey, Seattle, Wash.
Application May 24, 1937, Serial No. 144,501
4 Claims. (Cl. 91—62.6)



1. A fountain striping device comprising a casing having a helical passage on its inner face, liquid retaining means within said casing and forming a wall for said passage, a striping wheel supported from said casing, and means for transferring liquid from the end of said passage to said wheel when the said wheel is rotated.

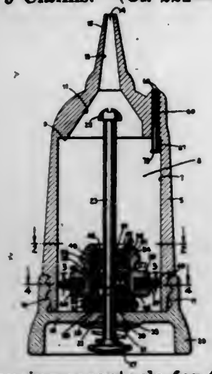
2,151,683
METHOD AND APPARATUS FOR CASTING COPPER ANODES
Adolphe Busche, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application May 12, 1937, Serial No. 142,080
6 Claims. (Cl. 22—81)



1. A ladle for introducing copper from an anode furnace into a series of traveling anode molds comprising a reservoir portion, a launder portion extending from the reservoir portion over the mold and adapted to receive metal from the reservoir portion when the ladle is tilted in one direction, mounting means for the ladle enabling the said ladle to be tilted laterally, laterally disposed discharge means in the launder for distributing metal into the mold laterally thereof and in thin streams as the mold moves beneath the launder whereby the said mold may be filled

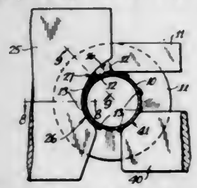
with metal while continuing its movement beneath the launder, and means for tilting the ladle to inoperative position upon completion of the filling of the mold.

2,151,684
MUSTARD CONTAINER
Secondo L. Casella, Brooklyn, N. Y.
Application October 21, 1937, Serial No. 170,152
9 Claims. (Cl. 221—78)



1. A dispensing receptacle for fluids of a semi-liquid or pasty consistency, such as mustard, comprising a generally tubular reservoir container formed at one end with an outlet and an open end, a closure removably secured to the last named open end, a plunger the major portion of which is disposed within the container, a handle or thumb piece carried with the other end of said plunger outwardly of the container, automatic means to retract the plunger, means to limit outward movement of the plunger, a piston within the container slidable on the plunger and interacting means between the plunger and the piston to move the piston relative to the plunger toward the head.

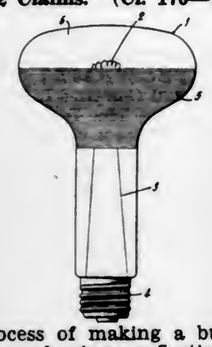
2,151,685
APPARATUS FOR AND PROCESS OF MAKING REINFORCED TUBING
Alfred J. Berg, Portsmouth, N. H.
Application February 14, 1936, Serial No. 63,899
5 Claims. (Cl. 153—64.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In apparatus for making a reinforced tube having a rib extending edgewise there-about, comprising a die having a recess in one edge thereof adapted to receive a portion of the tube, said die edge having a slot therein adapted to receive and laterally support the rib forming metal, and said die having a progressively decreasing depth of lateral supporting slot to smooth out the wrinkle on the inner edge of the rib forming metal and to displace some of the metal of the wrinkle toward and into binding contact with the metal of the reinforced tube.

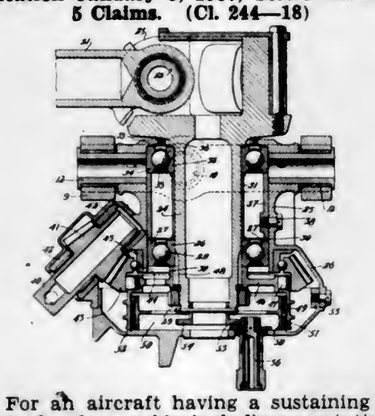
2. The process of making a reinforced member which comprises the steps of bending a metal strip edgewise on the said member and conforming one edge thereof to the desired surface of said member by wrinkling said strip at least at said conformed edge, and smoothing out the wrinkles to form laterally projecting feet at the conformed edge of said strip.

2,151,686
ELECTRIC LAMP AND PROCESS OF MAKING THE SAME
Caesar J. Briefer, New York, N. Y.
Application June 8, 1935, Serial No. 25,592
2 Claims. (Cl. 176—7)



1. The process of making a bulb for an incandescent lamp having a reflecting surface upon the glass which comprises depositing a silver coating upon the interior of the bulb over a substantial portion of said bulb and thereafter removing the deposit from that portion of the bulb which is to be transparent.

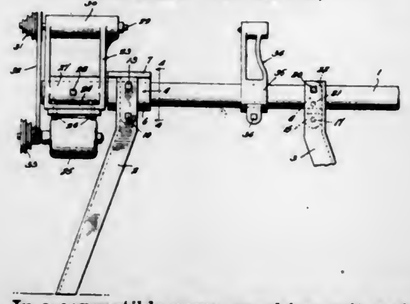
2,151,687
ROTATIVE WINGED AIRCRAFT
Harris S. Campbell, Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application January 8, 1937, Serial No. 119,575
5 Claims. (Cl. 244—18)



1. For an aircraft having a sustaining rotor, a rotor head assembly including a rotative hub spindle, means for pivotally attaching the blades of the rotor to the upper end of the spindle, a supporting housing surrounding a lower portion of the spindle, a pair of bearings between the spindle and housing spaced axially thereof, a driven gear secured to the spindle below the lower of said bearings, a cooperating driving gear journaled in the housing adjacent the driven gear, an overrunning clutch between the driven gear and the spindle, and a bearing mounting

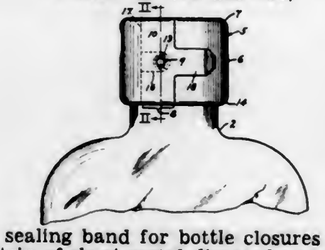
the driven gear on the housing and serving to transmit bearing loads to the housing substantially independently of the overrunning clutch.

2,151,688
CONVERTIBLE POWER MACHINE UNIT
John F. Carey, Oklahoma City, Okla.
Application April 21, 1937, Serial No. 138,250
4 Claims. (Cl. 144—1)



1. In a convertible power machine unit, a shaft, fixtures fitting about said shaft and adjustable along the shaft and circumferentially thereof, and supports secured at their upper ends to said fixtures for supporting the fixtures with the shaft in a horizontal position, the supports secured to one fixture being detachable therefrom and transferable to the other fixture for cooperating with the supports secured to the second fixture and supporting the shaft in a vertical position.

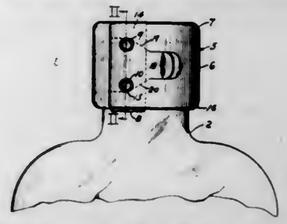
2,151,689
BOTTLE CLOSURE SEALING BAND
Allan B. Colby, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 29, 1936, Serial No. 76,881
8 Claims. (Cl. 215—95)



1. A sealing band for bottle closures comprising a strip of sheet metal disposed as a substantially cylindrical band with circumferential overlapped portions, an integrally formed hollow rivet joining said overlapped portions, the strip being provided with lines of scoring in the immediate vicinty of the rivet, and a digit engageable portion for applying tearing strain to the scored lines to effect severance from the band of a portion of the material thereof surrounding the rivet to unseal the band.

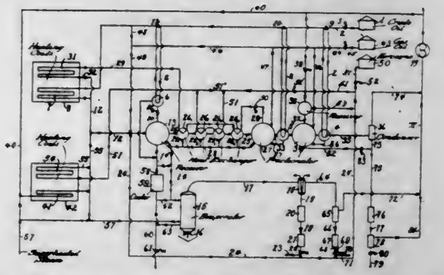
2,151,690
BOTTLE CLOSURE SEALING BAND
Allan B. Colby, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 29, 1936, Serial No. 76,882
3 Claims. (Cl. 215—95)

3. A sealing band for bottle closures comprising a strip of sheet material disposed as a substantially cylindrical band with the ends thereof in circumferential overlapping relationship, there being an aperture in one overlapping end of said strip, and sealing means disposed through said aperture and securing the ends of said strip together, a portion of the strip constituting a digit



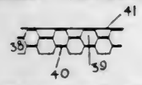
engageable portion for applying straining stress to the said sealing means to break the seal formed thereby, there being a weakened portion extending from the digital portion to the zone of said sealing means adapted to be severed upon the application of straining stress in any attempted unsealing of the band.

2,151,691
PROCESS FOR TREATING HYDROCARBON OILS
Butler P. Crittenden, Riverside, Conn., assignor, by mesne assignments, to Louisiana Oil Refining Corporation, Shreveport, La., a corporation of Virginia
Application April 4, 1932, Serial No. 602,969
4 Claims. (Cl. 196—47)



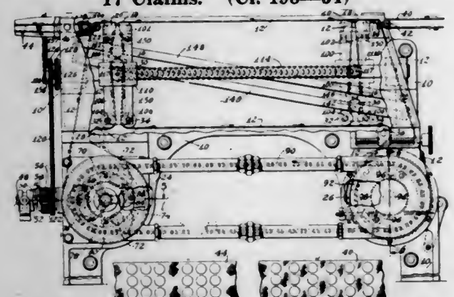
1. The process of cracking hydrocarbon oils for the production of anti-detonating motor fuel, which comprises heating the oil to be cracked in a confined stream of restricted cross section in a heating zone and subjecting the stream of oil passing therethrough to cracking conditions of temperature and pressure, passing the stream of cracked oil into an enlarged vapor-liquid separating zone, fractionating the vapors produced in said heating and cracking operation as discharged from said enlarged separating zone to separate out said anti-detonating motor fuel product and produce a plurality of fractions of successively higher boiling point, discharging the highest boiling point fraction thus separated directly into an enlarged coking chamber in which it is heated and converted into solid coke and cracked oil vapors, separately fractionating the vapors from the coking chamber, passing a lower boiling point fraction of said fractions in a confined stream through a heating zone and heating it to a high cracking temperature to effect conversion thereof into lower boiling products and discharging the resulting highly heated products into said enlarged coking zone to aid in the coking of said higher boiling fraction.

2,151,692
MEANS FOR WAVING HAIR
Ralph L. Evans, New York, and Everett G. McDonough, Mount Vernon, N. Y., assignors to Zotos Corporation, New York, N. Y., a corporation of New York
Application July 5, 1934, Serial No. 733,758
18 Claims. (Cl. 132—36.2)



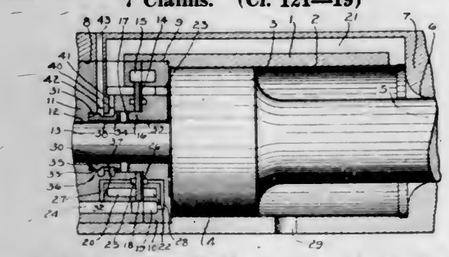
1. In a hair waving pad, an absorbent comprising superposed sheets of paper secured together by embossing and provided with a flat flexible backing.

2,151,693
CONVEYER BUNCHING DEVICE
Thomas Flint, Concord, Mass., assignor to J. W. Greer Company, Inc., a corporation of Massachusetts
Application June 24, 1937, Serial No. 150,143
17 Claims. (Cl. 198—34)



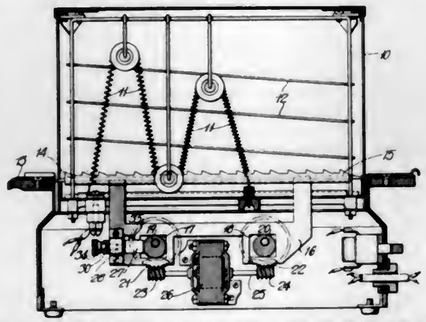
1. A conveyer bunching device having two complementary moving conveyer sections separated by a transfer gap, means for varying inversely the relative length of said complementary conveyer sections to increase the length of first one and then the other conveyer section at a substantially uniform rate, and variable speed driving means for the two conveyer sections operable to drive each of said conveyer sections at the same rate with which they are increased in length, and at a faster rate than that with which they are reduced in length.

2,151,694
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,013
7 Claims. (Cl. 121—19)



1. In a pressure fluid motor, a cylinder having a bore, a piston reciprocable therein, and fluid distribution means for supplying pressure fluid to and exhausting fluid from said cylinder for effecting reciprocation of said piston including an automatic pressure fluid actuated fluid distributing valve, passage means controlled by said valve for alternately supplying pressure fluid to the opposite ends of said cylinder to act on the opposed pressure areas of said piston, exhaust means for said cylinder for alternately reducing the pressure in the opposite ends of the cylinder including piston controlled exhaust means, an automatic pressure fluid actuated exhaust controlling valve separate and distinct from said fluid distributing valve for controlling the exhaust from said cylinder during normal running of the motor, valve throwing means including passage means for alternately subjecting the opposite faces of said distributing valve to constant pressure and for subjecting the distributing valve to compression pressure built up in the cylinder by the piston and the reduced pressure in the cylinder when the latter is connected to exhaust by said exhaust means, said fluid distributing valve being thrown by the constant pressure and compression pressure acting on one face of the valve overcoming a piston controlled reduced pressure acting on the opposite face of the valve.

2,151,695
TOASTING APPARATUS
Alvin C. Goddard, Forest Hills, N. Y., assignor to Toastolator Company, Inc., New York, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 116,450
6 Claims. (Cl. 219—19)



1. Bread toasting apparatus comprising a pair of heating elements spaced to form a toasting passage, supporting means at the bottom of said passage comprising recurrently acting means cyclically to lift a slice of bread from fixed position, advance it and replace it in its advanced position, actuating means for said supporting advancing means which comprises an eccentric engaging said advancing means in vertical and horizontal directions, and adjustable means to provide a horizontal play between said eccentric and said advancing means.

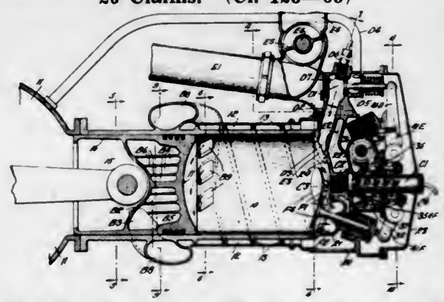
2,151,696
PROCESS OF MELTING, PURIFICATION, AND RECOVERY OF METALS
George H. Goldsmith, Pawtucket, R. I.
No Drawing. Application August 10, 1936, Serial No. 95,175
20 Claims. (Cl. 75—63)

1. The process of treating mixtures of predominately non-ferrous metals for preventing combinations of slag-iron and iron-carbide among brasses or bronzes, comprising the steps of melting a mixture of mainly brass or bronze in the presence of aluminum in an amount that its content be not more than one one-hundredth of one percent of the total non-ferrous mixture content to be diffused throughout the mixture, casting the mixture into ingot form with demonstrable upset of the cementite of the crystalline structure upon fracture to render it unfit for the manufacture of pressure-subjected castings, and thereafter melting the intermediate metal ingot to thereby demonstrably restore the cementite function and converting the intermediate ingot into end-product form, both of said products being immune to slag-iron and iron-carbide formations by reason of the burning out of silicon and release of iron from silicon and carbon combinations in the presence of minute quantities of aluminum, said brass or bronze alloy end-product being freed of aluminum and iron to the extent of restoration of normal structure of the brass or bronze metal.

2,151,697
PREGNANCY ANTIGEN
Benjamin Gruskin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 29, 1936, Serial No. 76,874
10 Claims. (Cl. 167—78)

1. An antigen specific to the determination of pregnancy by intradermal injection comprising a neutralized, inorganic alkaline hydroxide extract of the foetal layer of placental tissue free from any portion of the maternal layer.

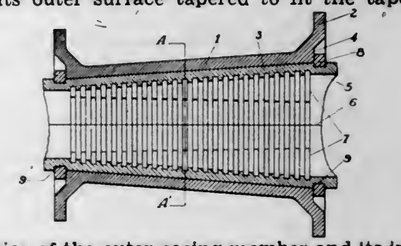
2,151,698
INTERNAL COMBUSTION ENGINE
William Harper, Jr., Port Washington, N. Y.
Application March 27, 1936, Serial No. 71,117
20 Claims. (Cl. 123—65)



4. In an internal combustion engine, a piston and cylinder which at the end of the out-stroke of the piston enclose a space bounded by a cylindrical wall and two end surfaces one of which is concave, and means for introducing into said space adjacent said concave end surface two diametrically opposite helically-moving streams of gas to provide a rotating, advancing, flat-ended column of gas in said space, which can displace quiescent gas from said spaces without material intermixture therewith.

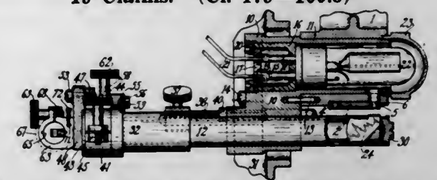
2,151,699
CASING FOR TURBINES
John N. Heiner, Bethesda, Md.
Application July 28, 1938, Serial No. 221,749
1 Claim. (Cl. 253—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A turbine casing including an outer forged casing member having an annular flange at each end thereof, each flange being provided with an annular recess, the cylindrical bore of the outer casing member being tapered, an inner forged casing member split along a longitudinal line and having its outer surface tapered to fit the tapered



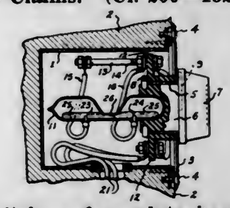
interior of the outer casing member and its inner surface appropriately machined to carry the stationary blading and split locking rings at each end of the outer casing member engaging the inner casing member for locking the inner casing member in operative position within the outer casing member.

2,151,700
SOUND PICK-UP UNIT
Arthur J. Holman, East Orange, N. J.
Application December 20, 1934, Serial No. 758,429
19 Claims. (Cl. 179—100.3)



1. In a sound pick-up unit of the character specified, an exciter system supporting member having an integral annular portion adapted to fit within the aperture unit of a sound film projector and arranged to house a light-sensitive cell.

2,151,701
ELECTRIC SWITCH
Edwin B. Hudson, Middletown, Ohio
Application May 2, 1936, Serial No. 77,558
6 Claims. (Cl. 200—152)



2. In a switch, a face plate having a sleeve, an operating member journaled in said sleeve, means for retaining said operating member in operative position, and a mercury switch securely held in a recess in said operating member.

2,151,702
CONTAINER
William J. Ilg, Lakewood, Ohio
Application October 5, 1935, Serial No. 43,698
1 Claim. (Cl. 285—49)

Means for securing a bung ring in non-rotative engagement with a metallic wall of a con-

tainer, comprising a polygonal opening formed in said wall, and a bung ring, said bung ring consisting of an internally threaded body portion having a flange overlying the wall adjacent to and surrounding said opening and provided with a relatively thin, depending polygonal skirt

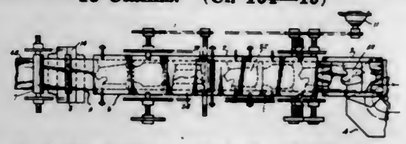


to permit the use of metallic material for said wall devoid of drawing characteristics, said skirt being complementary to the sides of said opening and extending therethrough and swaged over and upon the said wall in opposition to the said overlying flange.

2,151,703

METHOD OF AND MEANS FOR CUTTING CLOTHING

Charles Kaplan, Lawrence, N. Y.
Application March 20, 1935, Serial No. 12,051
13 Claims. (Cl. 164—19)

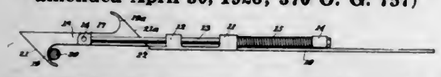


1. A cloth cutting machine consisting of the combination of means for continuously feeding at least one layer of cloth to a cutting bed; a rotating cutting bed; rotating cutting elements, preformed into certain predetermined shapes into which it is desired to cut the said cloth, positioned for operatively contacting the said cloth for cutting the same; means for causing the said cutting elements to contact the said cloth; and continuously rotating means for receiving in superposed relation each successive cut portion of the cloth thereby grouping each portion cut by any particular cutting element with its mates cut by the same cutting element.

2,151,704

DEVICE FOR ARRESTING THE MOTION OF VEHICLES

Denver R. King, United States Navy
Application March 19, 1938, Serial No. 196,897
8 Claims. (Cl. 188—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



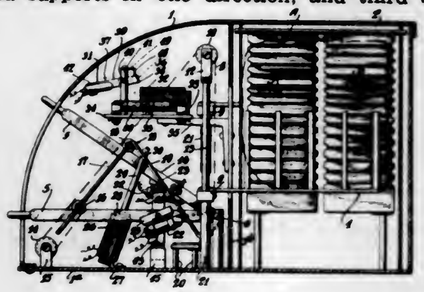
1. A device for arresting the motion of a vehicle comprising a hook for connection with a vehicle and adapted to engage a cable stretched across the path of travel of the vehicle, and latch mechanism operable when the force exerted by the cable on the hook decreases through the stoppage of the vehicle, for disengaging said hook from said cable.

2,151,705

ELECTRIC TOASTER

George Lavenburg, New York, N. Y.
Application August 19, 1936, Serial No. 96,793
10 Claims. (Cl. 161—16)

2. In an electric toaster, a pair of electric heating means, first and second circuits one for each said heating means, first and second switches one for each said circuit, a pair of spaced and separate food supports one for each heating means and each adapted to move independently in two opposed directions adjacent its said respective heating means, a single automatic means having a third circuit for simultaneously moving said supports in one direction, and third and

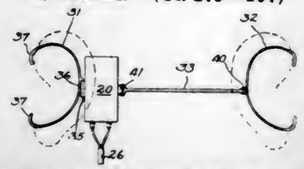


fourth switches individually controlling said third circuit, the first and third switches being independently controlled by one support and the second and fourth switches being independently controlled by the other support.

2,151,706

BONE-CONDUCTION HEARING-AID VIBRATOR

Hugo Lieber, New York, N. Y., assignor to Lieber Patents Corporation, New York, N. Y., a corporation of New York
Application July 18, 1933, Serial No. 681,002
Renewed December 29, 1937
13 Claims. (Cl. 179—107)

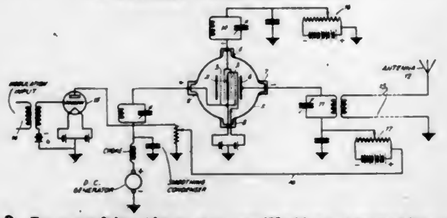


4. In a bone-conduction hearing-aid device, a bone conduction receiver of small size and weight having a vibratory contact surface for engaging hearing-inducing bone structure on the head of a person and converting received electric sound-frequency oscillations into corresponding hearing-inducing mechanical vibrations imparted to said bone structure, means for supporting said unit on the head of a person with the contact surface pressed against the bone structure of the head comprising clasp means for each ear of the person embracing the auricle of the ear from the rear side thereof and overlapping with forwardly extending slightly-yielding elastic ends the upper and lower junction portions of the auricle to the head and prevented thereby from being pulled off the ear by rearwardly directed forces acting on the clasp, said receiver unit having one side thereof attached to the rear portion of one of said clasps in a position at which the vibratory contact surface of said unit engages the outer surface of the mastoid bone structure of the head lying opposite the convex rear side of the auricle, and a self-aligning flexible strip having one end connected to the side of said receiver unit lying opposite the side attached to said clasp, the opposite end of said strip being connected to the rear side of the other clasp to lie in stretched condition against the back portion of the head and to hold in conjunction with the clasp attached to the receiver the contact surface thereof under pressure against the engaged bone structure.

2,151,707

HIGH FREQUENCY OSCILLATOR AND MODULATOR

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1934, Serial No. 754,559
6 Claims. (Cl. 179—171)

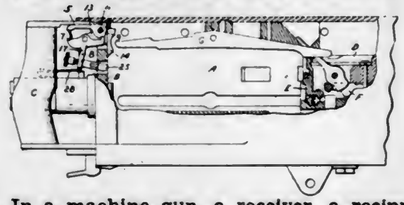


3. In combination, an oscillation generator of the braking field type comprising an electron discharge device having within its envelope a cathode, a plate, a grid between said cathode and plate, and an auxiliary grid between said cathode and first grid, a source of potential for maintaining said auxiliary grid at a slightly negative potential relative to said cathode, a parallel tuned circuit connected between said first grid and cathode, a connection including a parallel tuned circuit between said source and said auxiliary grid, means for maintaining said first grid at a high positive potential relative to said cathode, means for maintaining said plate at a much less potential than said first grid, a parallel tuned output circuit coupled to said plate, and means coupled to said first grid for modulating the oscillations produced, said auxiliary grid being constituted by wires which are more closely spaced than the wires of said first grid, whereby substantially complete electron cut-off from said cathode to said first grid can be effected.

2,151,708

TRIGGER FOR MACHINE GUNS

John L. Lochhead, Springfield, Mass.
Application March 2, 1938, Serial No. 193,533
8 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



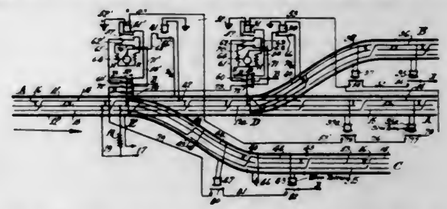
8. In a machine gun, a receiver, a reciprocal breech bolt in the receiver, a trigger bar mounted on the receiver, a trigger pivotally mounted on the receiver, a lever pivotally mounted on the receiver and adapted to actuate the trigger bar, and means normally coupling the trigger and lever whereby they are movable as a unit, said means engageable by the breech bolt to uncouple the trigger and lever.

2,151,709

AUTOMATIC RAILWAY SWITCHING SYSTEM

Matthew H. Loughridge, Bogota, N. J.
Application February 24, 1932, Serial No. 594,771
12 Claims. (Cl. 246—31)

1. An automatic switching system for railway tracks, comprising a main track and a side track, a block system for spacing trains on said tracks, a switch connecting said tracks and means on the

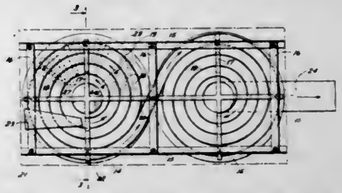


trackway responsive to trains on certain adjoining blocks on said side track at the same time for changing the position of said switch to divert traffic to the main track only.

2,151,710

METHOD OF AND APPARATUS FOR EXTRACTING RIND OIL FROM CITRUS FRUITS

John Mills, Santa Ana, Calif., assignor to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 30, 1935, Serial No. 42,870
19 Claims. (Cl. 87—28)



1. The method of extracting rind oil from citrus fruits which includes the steps of continuously moving whole citrus fruit in a stream through a path of travel at high velocity, causing the fruit to be repeatedly thrown and bounced into contact with stationary oil cell opening abutments in said path, without causing the fruit to be continuously pressed against the abutments to tear the rind therefrom, while turning the fruit to bring substantially its entire external area into contact with the abutments, thereby opening the rind oil cells in the fruit and liberating the rind oil therefrom without removing the hull from the fruit, continuously collecting the rind oil from the thus opened cells and continuously discharging from the path in whole form the fruit from which the rind oil has thus been removed.

2,151,711

RAYON CREPES AND THEIR METHOD OF MANUFACTURE

Abraham Moscowitz, New York, N. Y., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
No Drawing. Application October 9, 1936, Serial No. 104,831
14 Claims. (Cl. 28—1)

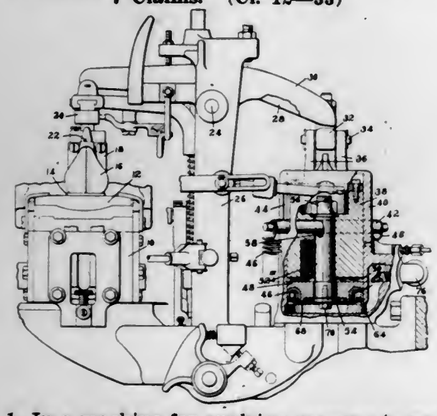
1. In the manufacture of rayon crepes with pebble formation the step which comprises impregnating rayon with a composition containing mahogany sulphonate, sulphonated unsaturated oil, mineral oil and water, the component parts of said composition being proportioned and present in amounts sufficient to effect by a subsequent boil-off pebble formation in piece goods containing woof threads of rayon so impregnated.

2,151,712

SHOE BOTTOM PRESSING MACHINE

Herbert B. Newhall, Saugus, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 28, 1937, Serial No. 156,189
7 Claims. (Cl. 12—33)



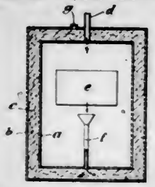
1. In a machine for applying pressure to work-pieces, the combination of a support to receive a work-piece, a cylinder, a two-part piston in the cylinder, springs holding the parts of the piston separated, means operated by relative movement of the piston and cylinder for applying pressure to the work-piece, and liquid in said cylinder, said springs being adapted to be compressed upon application of substantially maximum pressure to the piston through the liquid and to expand thereby maintaining the pressure substantially constant notwithstanding compression of the work or leakage of liquid from the cylinder.

2,151,713

ARRANGEMENT TO AVOID CONDENSATION WITHIN COLD INSULATIONS

Hans Niemann, Hanover, Germany

Application March 27, 1934, Serial No. 717,587
In Germany April 3, 1933
6 Claims. (Cl. 62—89)



1. A method of the character described for treating insulation masses around refrigerated constructions, which comprises, conducting cold air from a refrigerated space into the insulation mass, causing the air to rise and circulate through the insulation mass by the natural draft or rising force of the air being warmed within the insulation mass, and then conducting the warmed air away from the interior of the insulation mass.

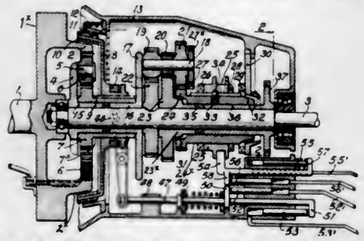
2,151,714

CHANGE-SPEED DEVICE

Ugo Pavesi, Milan, Italy; Maria Ramognino, (late Pavesi) administratrix of said Ugo Pavesi, deceased

Application May 21, 1935, Serial No. 22,542
In Italy May 23, 1934
9 Claims. (Cl. 74—262)

1. A change-speed mechanism for transmitting power from a driving shaft 1 to a driven shaft 3 of the class having first and second gear sets arranged in tandem and independently changeable to afford various speed ratios, and with clutch or brake means shiftable to effect such speed ratio changes; and characterized in that both gear sets are of the epicyclic class, the first comprising a sun gear 7 and a planet gear 6, and the second comprising a sun gear 22 and a planet gear 19 and there being in train between the two gear sets a unitary rotary carrier



4, 15, 16, 17, and the said planet gears 6, 19 of both the first and second gear sets having their gear-studs or bearings directly upon the said intermediate rotary carrier member; said unitary rotary carrier comprising a sleeve part 15, 16 concentric with the shafts, a first flange or web 4 carrying the stud 5 of the planet gear 6 of the first set, and a second flange 17 carrying the stud 18 of the planet gear 19 of the second set.

2,151,715

IGNITION CABLE

Melville F. Peters, Beltsville, Md.

Application June 19, 1936, Serial No. 86,126
2 Claims. (Cl. 173—264)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electrical cable comprising a conductor and insulating means surrounding the conductor, the diameter of the conductor being so related to the outside diameter of the cable that the relationship $PQ \cong 0.135$ is obtained, in which P is the ratio of the capacitance of the cable to the capacitance when the ratio of the radius of the conductor to the radius of the cable is

$$\frac{1}{2.718}$$

and Q is the ratio of the gradient at the surface of the conductor of the cable to the gradient at the surface of the conductor when the ratio of the radius of the conductor to the radius of the cable is

$$\frac{1}{2.718}$$

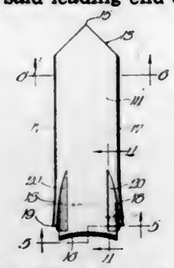
2,151,716

WOOD JOINT FASTENER

Mabel C. Putnam, Chicago, Ill., assignor to Clamp Nail Company, Chicago, Ill., a corporation of Illinois

Application March 21, 1935, Serial No. 12,191
2 Claims. (Cl. 85—11)

2. A dowel comprising a substantially flat web having an entering edge at the leading end of less width than said web, means forming parallel flanges at the lateral edges of said web, the forward edge of said flanges terminating a substantial distance rearwardly of said entering edge, said web being swaged adjacent said flanges and adjacent said leading end of the web where-



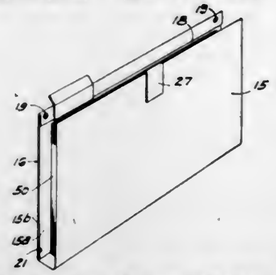
by to provide recesses in the web and to flare outwardly the forward ends only of said parallel flanges, said recesses being arranged inwardly of the leading edge and spaced therefrom and communicating with an adjacent edge of the web, a flared portion of each flange extending along one margin of its associated recess.

2,151,717

VERTICAL FILE FOLDER

John T. Quigley, Eagle Rock, Calif.

Application February 23, 1937, Serial No. 127,024
18 Claims. (Cl. 129—16.7)



5. An upstanding folder for the purpose stated consisting of a single sheet of paper-like material which is furnished with a front flap and a back flap, said back flap being inwardly folded over upon itself to form a double wall therefor, and a resilient stiffening element housed within said double wall.

7. In a structure of the kind described, a flap having a folded end edge portion, a clip of stiff sheet material slidably mounted upon said folded portion by means of limbs that pass astride thereof, a sheet of thin material folded about said clip and having an edge portion slidably positioned within the fold of said folded edge portion of said flap, and fasteners passing through the end portions of said folded edge portion, said sheet having chamfered corner portions within said folded edge portion engageable with said fasteners.

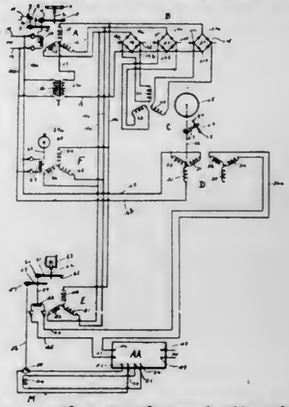
2,151,718

ELECTRICAL CONTROL SYSTEM

Alger S. Riggs, Washington, D. C., assignor of one-third to John B. Brady, Washington, D. C.

Application October 10, 1936, Serial No. 105,101
5 Claims. (Cl. 172—239)

4. A follow-up control system for a pilot device and driven object comprising means for driving said object, means for actuating said driving means functional upon angular disagreement between said pilot device and said object, and means operative parallel with the last said means and



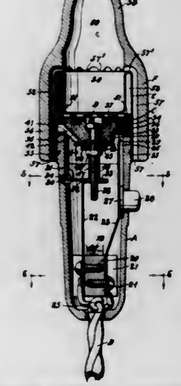
functional upon the angular-velocity of said pilot device for actuating said driving means independnet of said last said means.

2,151,719

ELECTRIC VAPORIZER

Joseph Robinson, New York, N. Y.

Application July 20, 1935, Serial No. 32,438
8 Claims. (Cl. 128—192)



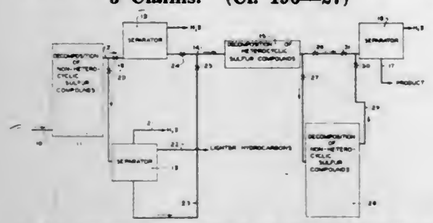
4. An electric vaporizer, comprising in combination, a base member, a heater supported on the upper end thereof, a switch mounted in said base member for turning said heater on and off, an electric cord connected to said switch, a one piece container engaging said heater, said container being turned in on itself at the top to form a deep cup having an outwardly spaced dependent skirt or sleeve adapted to sealingly engage the top of said base member and form a heat storing chamber about said cup, a cover set over said container and having a relatively wide thick base for insulating against the heat of said container, said cover being provided with a stop or shoulder for engaging a portion of said container and being provided also with a plurality of vertically extending grooves arranged in its base, said grooves being adapted, on inhalation, to guide air currents upwardly along the hot walls of said container into the interior of said cover, and means for drawing downwardly on said container to complete its sealing relation to said base member.

2,151,720
ORTHOPEDIC FOOTWEAR WITH FOOT-SUPPORTING PLATE
Mato Šarčević, Osijek, Yugoslavia
Application December 28, 1936, Serial No. 117,926
In Yugoslavia January 3, 1936
9 Claims. (Cl. 36—71)



1. An orthopedic foot support comprising a plate adapted to be positioned in a shoe and having a heel supporting rear portion and a front portion extending forwardly sufficient to support the metatarsal area, said plate having an intermediate depending portion adapted to project downwardly in a depression located substantially in rear of the breast line of the shoe and constitute therewith a single plate supporting universal joint upon which the plate is adapted to rock within certain limits when foot pressure is applied to the front or rear portions of the plate.

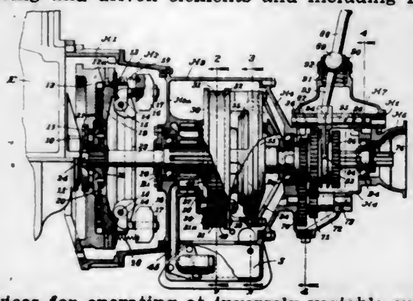
2,151,721
PROCESS FOR TREATMENT OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application May 16, 1935, Serial No. 21,903
3 Claims. (Cl. 196—27)



2. An improved method of desulfurizing light petroleum oil which contain non-heterocyclic and heterocyclic organic sulfur compounds, comprising vaporizing said petroleum oil, contacting the said vapors while at a temperature within the range from 600° to 800° F. with a catalyst of the clay type for a period of about 2 to 10 seconds, whereby the non-heterocyclic organic sulfur compounds are converted into hydrogen sulfide but without any substantial conversion of the heterocyclic sulfur compounds and the hydrocarbon constituents of the vapors, separating and removing the resultant hydrogen sulfide from the petroleum oil, subjecting the hydrogen sulfide-free petroleum oil to thermal treatment at a temperature within the range of 800° to 1100° F. to decompose the heterocyclic sulfur compounds in said petroleum oil to hydrogen sulfide, and finally removing the said hydrogen sulfide from the treated oil.

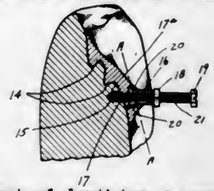
2,151,722
TORQUE AND SPEED TRANSMISSION DEVICE
Otto Edward Szekely, Elmira, N. Y., assignor to The Szekely Company, Inc., a corporation of New York
Application November 19, 1934, Serial No. 753,755
Renewed April 12, 1937
26 Claims. (Cl. 74—328)

1. A power driving system including a driving element, a driven element and transmission means connecting said elements; said transmission means including devices providing a low speed and high torque ratio train connecting the driving and driven elements and including an overrunning clutch, and a train connecting the driving and driven elements and including first



devices for operating at inversely variable speed and torque ratios and second devices in said train having relative slippage at a predetermined torque transmission therethrough and cooperating during slippage with said first devices for determining the torque ratio established in said first devices.

2,151,723
TOOTH RESTORATION AND ANCHORAGE AND PROCESS OF FORMING SAME
Leonard E. Trinkle, Terre Haute, Ind.
Application September 19, 1935, Serial No. 41,275
6 Claims. (Cl. 32—15)

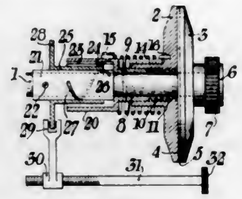


5. In the art of dentistry, a restoration comprising a casting provided with a screw threaded hole therein, said casting being formed to snugly fit a permanent tooth having a prepared surface, a locking groove and a recess formed therein, said casting having a tongue to fit in the tooth groove, a set screw mounted in the threaded hole and adapted for initial positioning in the natural tooth recess with which the hole registers when the casting is positioned upon the tooth, and a lock nut on said set screw for determining the locking position of the set screw for permanent mounting of the casting said lock nut preventing undesirable wedging occurring between the tooth and casting in the final mounting of the set screw.

2,151,724
FRICTION CLUTCH
Raymond W. Wengel, Rochester, N. Y., and Henry Gordon Taylor, Wellesley, Mass.
Application January 12, 1937, Serial No. 120,248
3 Claims. (Cl. 64—30)

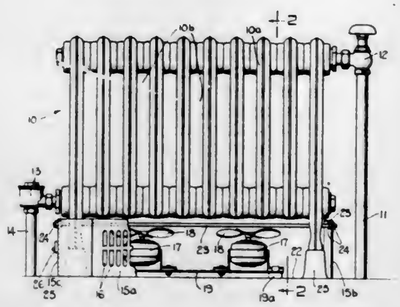
1. In a friction clutch assembly, the combination with a shaft, a driving clutch member and a driven clutch member both mounted on said shaft, of guide means operatively connected between said shaft and said driving clutch member and for causing relative axial movement of said clutch members upon relative rotation therebetween, of a collar fastened on said shaft, and of

a resilient means interposed between said collar and said driving clutch member, and for moving said driving clutch member under the super-



vision of said guide means toward said driven clutch member, said collar being adapted for angular adjustment with respect to said shaft whereby the torque maintained between the two

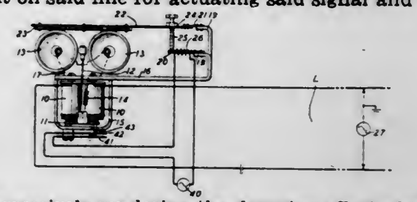
2,151,725
AIR CIRCULATING ATTACHMENT FOR HEATING RADIATORS
Clarence M. Woolley, New York, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application September 26, 1935, Serial No. 42,236
3 Claims. (Cl. 257—137)



1. An as article of manufacture, a device for effecting circulation of air, said device comprising a portable assembly including a casing having panel walls provided with ports and an open top; footing secured to said casing and extending inwardly thereof, said footing being adapted to rest directly on a supporting surface; supporting means secured to the inner extension of said footing and extending upwardly within said casing; floor means secured to the upper part of said supporting means and extending substantially horizontally above the level of said footing; foot means remote from said footing for supporting said floor means directly on said supporting surface; and one or more motor-fan units mounted on said floor means for drawing air through the ports of said panel walls and discharging air through said open top of the casing.

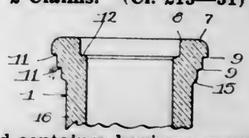
2,151,726
SIGNALING DEVICE
Lawrence H. Allen, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1936, Serial No. 101,569
8 Claims. (Cl. 177—7)

1. In combination, a line circuit, an audible signal associated therewith, damping means for said signal, and means responsive to signaling current on said line for actuating said signal and for



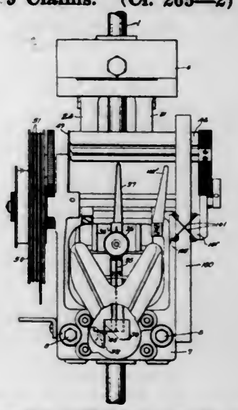
progressively rendering the damping effect of said damping means ineffective.

2,151,727
CONTAINER FOR LIQUIDS
Lloyd Arnold, Chicago, Ill., assignor to Board of Trustees of the University of Illinois, Urbana, Ill.
Application July 11, 1938, Serial No. 218,593
2 Claims. (Cl. 215—31)



1. A liquid container having a pouring lip with an outer surface provided with a plurality of successively adjacent peripheral shoulders arranged in vertical series, each shoulder being of greater diameter than the next lower one, said shoulders being so proportioned and disposed as substantially to prevent dripping of the contents on the outer surface of the container as an incident of normal pouring thereof, the uppermost shoulder being approximately $\frac{3}{32}$ of an inch high by $\frac{1}{16}$ of an inch deep, the other shoulders being approximately $\frac{3}{32}$ of an inch by $\frac{1}{16}$ of an inch deep.

2,151,728
MEASURING AND RECORDING DEVICE FOR DEEP WELL PUMPS
John G. Baker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 74,741
9 Claims. (Cl. 265—2)



1. In a tension indicating device of the class described, a pair of clamping members adapted to clamp a predetermined length of the tension member, the stress of which is to be determined,

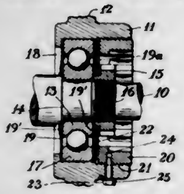
two pairs of flexible operating struts symmetrically disposed with reference to the tension member connected to the clamping members, said struts having flexibility in two directions and yet being designed to be rigid in a third direction so that each may operate like a rigid member, a pointer actuating member connected respectively to the pairs of struts and adapted to operate an indicating pointer proportional to the relative movement of said clamping members.

2,151,729
LEG ELEVATOR FOR OPERATING CHAIRS
Morgan W. Baker, Youngstown, Ohio
Application September 28, 1937, Serial No. 166,129
2 Claims. (Cl. 155—28)



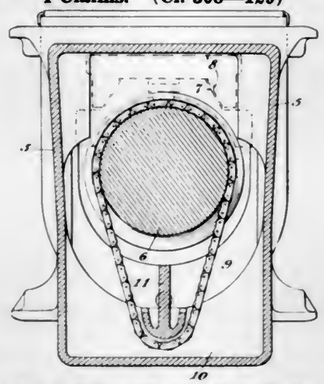
1. A leg elevator for operating chairs, said elevator comprising a crescent shaped section of tubular material slidably maintained in brackets attached to the said operating chair and having a down-turned lower end formed thereon, a rubber covered roller of the same width as the said chair positioned on one end of the said elevator and at right angles thereto together with handle portion formed on the opposite end of said elevator.

2,151,730
PACKING DEVICE FOR RELATIVELY ROTATABLE PARTS
Arthur Cecil Basebe, Banstead, and Harold Sinclair, Kensington, London, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain
Application June 18, 1936, Serial No. 85,910
In Great Britain June 26, 1935
5 Claims. (Cl. 308—187.2)



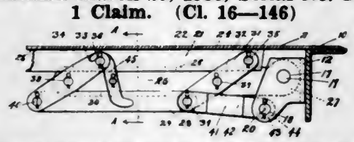
1. In a bearing assembly having two relatively rotatable parts each comprising an annular abutment, a clamping member capable of being tightened axially, and a bearing race nipped between said abutment and said clamping member; and rolling elements cooperating with said races for positioning said parts relatively to each other, the combination of means for preventing the passage of fluid axially between said races, said means including an annular impervious resilient diaphragm one edge of which is nipped with one of said races upon tightening of the corresponding clamping member and the other edge portion of which is provided with a beading resiliently engaging an end of the other of said races.

2,151,731
CHAIN
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application February 7, 1936, Serial No. 62,763
4 Claims. (Cl. 308—129)



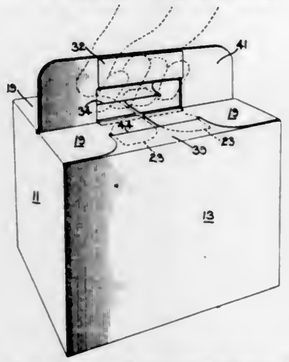
2. A chain for lubricating railway car journals comprising a plurality of rows of plate links in contact with each other and connected by pintles, the ends of each of said links being constructed and arranged to abut the ends of adjacent links substantially throughout their width when the chain is straight to prevent back bending of the chain, and to be spaced from each other providing openings for discharge of lubricant when the chain is bent around a journal.

2,151,732
HINGE
Thomas V. Boyle, Cleveland, Ohio
Application March 29, 1938, Serial No. 198,726
1 Claim. (Cl. 16—146)



A hinge comprising; a bracket having a plurality of spaced lug members having bores therein adjacent their upper and lower extremities, an upper shaft and a lower shaft in said bores, a longitudinally extending main hinge member pivotally mounted at one end on the upper shaft, upper longitudinally extending guiding members arranged on opposite sides of the main hinge member, lower longitudinally extending bar members arranged on opposite sides of the main hinge member in parallelism with the guiding members, a plurality of pairs of oppositely disposed inclined lever arms connected by pivots with the guiding, bar and hinge members, one pair of the aforesaid plurality of pairs being arranged adjacent the bracket, another pair being arranged remote from the pair adjacent the bracket, the upper guiding members and the lower bar members providing a guideway for the main hinge member, said main hinge member being slidable in the aforesaid guideway, oppositely arranged link members, the lower bar members each having their ends nearest the bracket pivotally articulated with one end of the oppositely arranged link members, and the other end of each link member being pivotally mounted on the lower shaft in the bracket, a locking member pivotally mounted on the main hinge member and having a notched end adapted to engage the pivot on which the upper extremity of one of the pairs of inclined lever arms is mounted, said locking member being adapted to lock the hinge in its closed position, and being further adapted to prevent the closing of the hinge when open by engaging the pivot on which the lower extremity of the said one pair of inclined lever arms is pivotally mounted.

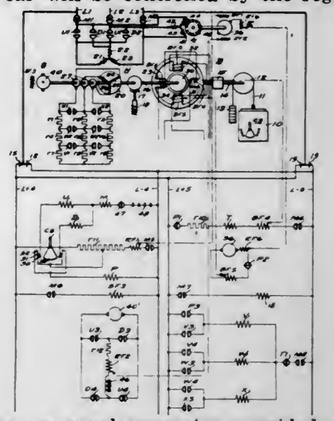
2,151,733
CONTAINER
Emmons W. Bonfield, Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application May 4, 1936, Serial No. 77,800
7 Claims. (Cl. 229—39)



3. In an article of manufacture of the class described, a box construction of rectangular shape having two side members, two end members, and a bottom therefor, flaps at the upper edges of the side members, said flaps being of such length as to extend to abutting relationship with each other to partially form a top for the box and then folded to extend upwardly to form abutting portions, said abutting portions having an opening cut therethrough whereby a hand opening is formed therein, the bottom of said hand opening being at the folds of said flaps, the material from one of said openings being divided, part extending underneath the adjacent flap and part extending through the opening in the adjacent flap and upwardly along the same, the two ends of said box each having spaced flaps thereon, said flaps being bendable downwardly into the top plane of the box, each flap at each end lying on one side of the abutting portions and being cooperatively associated with the adjacent portion of the side flaps to maintain the same in position, for the purpose described.

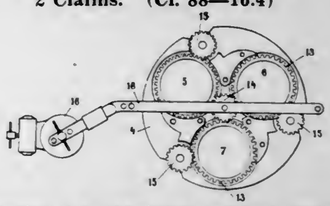
2,151,734
SYSTEM OF CONTROL FOR ELECTRIC ELEVATORS
Edgar M. Bouton, Harold W. Williams, and Danilo Santini, Jersey City, N. J., assignors to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application December 23, 1937, Serial No. 181,336
20 Claims. (Cl. 172—152)

20. In an elevator system for operating a car in a hatchway, a hoisting motor for the car, an eddy current brake for applying a braking effect to the car, said brake having a first winding and a second winding, means for connecting the said first winding to a constant current source of energy in a constant direction, a regulating generator having a constant winding and a control winding, means for operating the regulating generator at a constant speed, means for conducting the output of energy from the regulating generator to the second winding of the brake to energize it whereby the braking effect of the brake on the car will be controlled by the regulating



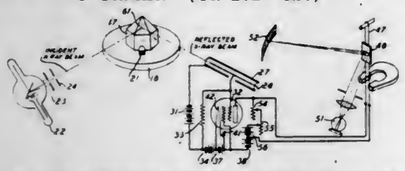
generator, a speed generator provided with a field winding, means for operating the speed generator in accordance with the speed of the car, means for connecting the speed generator field winding to a constant source of energy, and means for conducting the output of energy from the speed generator to the control winding of the regulating generator to energize it in a direction opposite to the direction of energization of the constant field winding of the regulating generator so that the energy supplied by the regulating generator to the brake will be controlled by the operation of the speed generator.

2,151,735
COLORED PICTURE PROJECTOR
Heinrich Bresser, Cologne-Mulheim, Germany, assignor to Maria Bresser, Cologne-Mulheim, Germany
Application October 15, 1936, Serial No. 105,696
In Germany June 24, 1935
2 Claims. (Cl. 88—16.4)



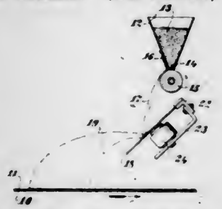
1. A device for obtaining colored projections of colorless positive films, comprising a projector having two series of colored filters, one of said series being arranged in front of and the other at the back of the lens of the projector and means for interposing said filters in the path of the light including a filter carrier wherein each filter is carried on a circular ring disc which is rotatably supported on a rotatable main carrier disc, the ring discs being interconnected by means of gears for simultaneous rotary adjustment.

2,151,736
PIEZOELECTRIC APPARATUS
William W. Broughton, New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1936, Serial No. 102,126
8 Claims. (Cl. 171—327)



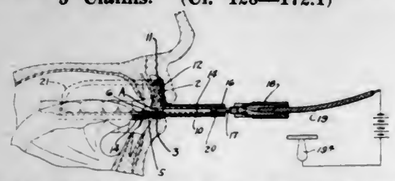
1. In the preparation of a piezoelectric device by cutting a plate from a crystalline material of the type having crystallographic axes and, when in perfect natural state, apex faces, the method of determining the correct orientation of the plate about one of the crystallographic axes of the crystalline material which comprises selecting a plane from the group of atomic planes in the crystalline material having the property of reflecting X-rays projected thereon while the mirror image planes of the group do not reflect such X-rays, projecting X-rays to the selected plane and observing whether the projected X-rays are reflected said selected plane being substantially parallel to the plane of one of said apex faces.

2,151,737
APPARATUS FOR THE MANUFACTURE OF ABRASIVE COATINGS
Chester W. Bryan, New York, N. Y., assignor to Ansonia Coated Abrasives, Inc., Brooklyn, N. Y., a corporation of New York
Application August 29, 1935, Serial No. 38,379
6 Claims. (Cl. 91—43)



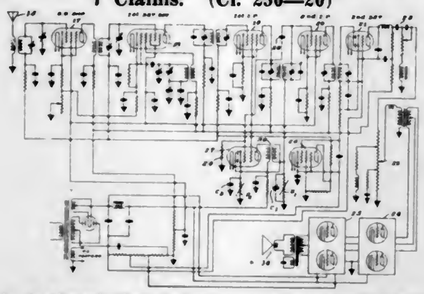
1. A coating machine comprising a receptacle for abrasive particles to be applied as a coating, means to cause the particles to fall freely from the receptacle to material to be coated, and solid mechanical means to intercept and accelerate movement of the particles while freely falling and in their travel from the receptacle to material to be coated.

2,151,738
ORAL TREATMENT DEVICE
Walter W. Buhse, Minneapolis, Minn.
Application July 2, 1936, Serial No. 88,618
5 Claims. (Cl. 128—172.1)



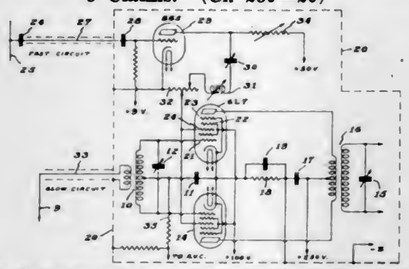
1. An oral treatment device including, means having a portion adapted to be gripped by the teeth and pledget-receiving means mounted on the first means and having an electrode which the pledget contacts, the teeth-gripping portion of the first mentioned means being arranged substantially transversely of the pledget-receiving means, so that after proper placement of the device within the mouth, the teeth-gripping action on said portion moves said receiving means and pledget carried thereby toward and holds them in treating relation with the gum.

2,151,739
REDUCTION OF NOISE
Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 25, 1936, Serial No. 76,363
7 Claims. (Cl. 250—20)



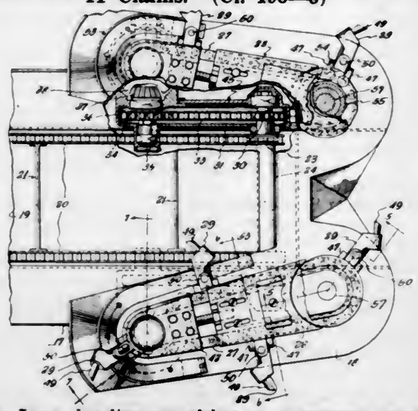
1. A signal channel including relatively broad and relatively sharp selectivity channel sections, an amplifier provided with a signal input circuit connected to said broad selectivity section and with an output circuit connected to said sharp selectivity section, a noise suppressor device provided with an input circuit energized in accordance with the potential of said amplifier input circuit and with an output circuit, and an impedance device common to said amplifier signal input and said suppressor output circuits.

2,151,740
REDUCTION OF NOISE
Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1936, Serial No. 77,117
8 Claims. (Cl. 250—20)



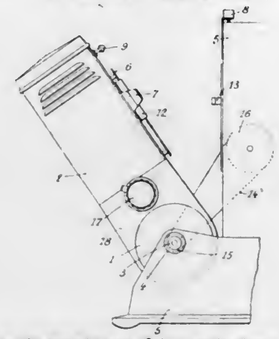
4. A noise suppressor system including a pair of input circuits, a pair of electron tubes having control grids connected to said input circuits respectively in push-pull and in parallel, means for applying desired signals to said input circuit to which said grids are connected in push-pull, means for applying control impulses to said input circuit to which said grids are connected in parallel, and means for adjusting the duration, shape and magnitude of said control impulses.

2,151,741
LOADING MACHINE
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 4, 1935, Serial No. 48,189
11 Claims. (Cl. 198—8)



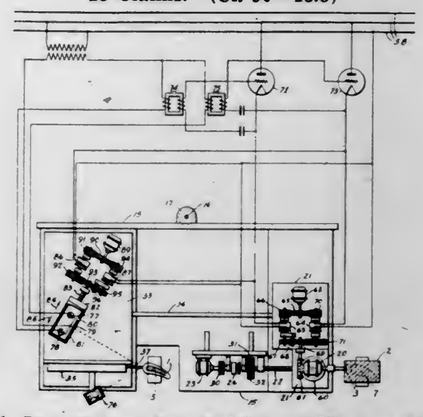
1. In a loading machine, a conveyer, an inclined apron, an endless chain above said apron adapted to gather and discharge material onto said conveyer, gathering arms pivotally mounted on said chain for vertical movement relative to its plane of travel, means for positively raising said arms as they approach their upper turning point, and means for positively restraining pivotal movement of said arms during their lower turning movement comprising a rotatable member having means on its periphery coacting with abutting surfaces on said arms.

2,151,742
CINEMATOGRAPHIC PROJECTION APPARATUS
Paul Georges Cazes, Paris, France, assignor to Pathé Cinéma Anciens Etablissements Pathé Freres, Paris, France
Application January 10, 1938, Serial No. 184,231
In France April 1, 1937
2 Claims. (Cl. 88—17)



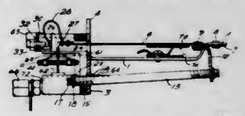
1. In a cinematographic projector, a stationary casing provided with a film gate, bearings provided on said casing, a frame pivotally mounted in said bearings and provided with a face adapted to be moved towards and away from said gate when said frame is pivoted about said bearings, a motor mounted in said frame concentrically to said bearings, a lantern mounted in said frame directly above said motor and adapted to project light on said gate, and film pressing means secured on said face of said frame and adapted to cooperate with said film gate, a driving shaft in said casing adapted to control the mechanism of the cinematographic projector, and transmission means between said motor and said driving shaft.

2,151,743
AUTOMATIC CUTTING MACHINE
Wilhelm Chladek, Berlin-Pankow, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 14, 1936, Serial No. 79,682
In Germany July 31, 1935
18 Claims. (Cl. 90—13.5)



1. In a system of control for a milling machine adapted to operate on a workpiece, in combination, a template, means for rotating the template and workpiece in unison, an electric tracer coacting with the template as it rotates, a milling tool, means for operating the tool, means for shifting the tool with reference to the workpiece, electronic means, controlled by said tracer, adapted to control the means for shifting the tool, and photo-electric means scanning said template for controlling certain elements of said tool shifting means to thus maintain the tool in a certain relation to the surface of the template at the scanning region of the template by said photo-electric means.

2,151,744
THERMOSTAT
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1935, Serial No. 54,253
12 Claims. (Cl. 200—139)



1. In a thermostat, a frame, a bimetallic member, a spring mounting said bimetallic member on said frame, a bracket rigidly connected to said spring, spring means cooperating with said bimetallic member to establish a dead center, adjusting means for flexing said mounting spring to vary the distance of said bimetallic member from

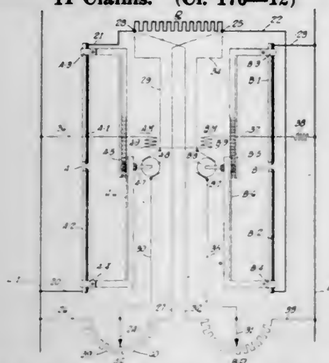
said dead center, said adjusting means including a differential screw one thread thereof working in said frame and the other in said bracket.

2,151,745

ARC LAMP AND CONTROL CIRCUIT THEREFOR

Fielding C. Coates, Los Angeles, Calif., assignor to Mole-Richardson Co., Los Angeles, Calif., a limited partnership of California

Application April 12, 1938, Serial No. 201,550
11 Claims. (Cl. 176—12)



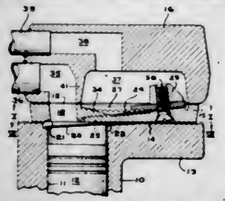
1. In an arc lamp circuit, two sets of electrodes comprising two arcs, a ballast resistor interposed in series relation with said arcs and disposed in circuit between them, individual electromotive feeding means for each of said sets of electrodes for moving the associated set of electrodes toward and away from each other, a control circuit for each of said feeding means comprising a Wheatstone bridge circuit, the legs of one branch of which are formed respectively by the associated arc and the ballast resistor, and the legs of the other branch of which are formed by auxiliary resistors, and means cross connecting the electromotive means between the said branches.

2,151,746

COMPRESSOR VALVE STRUCTURE

Clifford S. Cody, East Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 14, 1936, Serial No. 90,453
10 Claims. (Cl. 230—228)



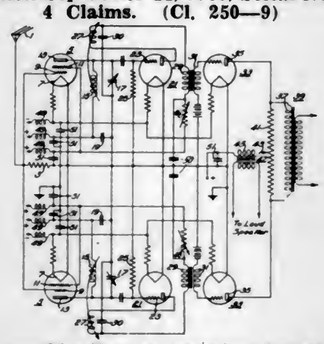
1. In a compressor or the like, the combination of a cylinder member having a cylinder formed therein, an end member secured to said cylinder member for closing one end of said cylinder and having a section port formed therein adjacent one side of the cylinder; and a resilient valve reed or strip disposed between said members, said valve strip having a free end movable into the cylinder and cooperating with said port to form a suction valve for the compressor and the other end being fixed between said members at a point spaced from the cylinder and on the side of the latter remote from said port so that the valve strip extends across the cylinder, said cylinder member being recessed to permit the portion of the valve strip between the cylinder and the fixed end to flex with the free end upon valve opening, whereby the valve strip may flex along a long radius of curvature upon valve opening.

2,151,747

RECEIVING SYSTEM

Frank Conrad, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 14, 1935, Serial No. 40,604
4 Claims. (Cl. 250—9)



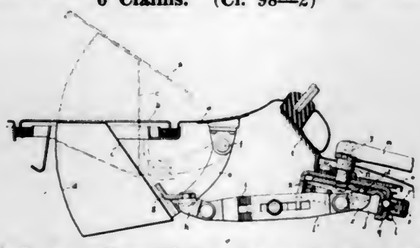
1. In combination, a receptor for signalling energy, a signalling channel from said receptor having branches, means for producing energy changes in each branch corresponding to amplitude modulation of the signalling energy received by said receptor and for producing energy changes in each branch corresponding to frequency modulation of said received energy, means for causing the energy changes corresponding to one type of modulation to be substantially in the same direction, and the energy changes corresponding to the other type of modulation to be substantially opposite in direction, a translating device, means for additively combining the energy changes in the branches and impressing the result upon said translating device, another translating device, means for differentially combining the energy changes in the branches and impressing the result upon said last-named translating device.

2,151,748

COWL VENTILATOR

Roy H. Dean, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 11, 1938, Serial No. 190,077
6 Claims. (Cl. 98—2)



1. In a cowl ventilator, the combination with the cowl and an instrument board of an automobile body having a top portion lying in a plane approximating a horizontal plane, the cowl provided with a ventilator opening, of a swinging ventilator lid acting as a closure for said opening and pivotally supported on the underside of the cowl and a control therefor comprising a pivoted actuating member supported on the underside of the top of the instrument panel and arranged to turn in a plane approximating the horizontal and connecting means between said actuating member and the swinging lid for converting the turning movement in an approximately horizontal plane into turning movement in a vertical plane for opening and closing the lid

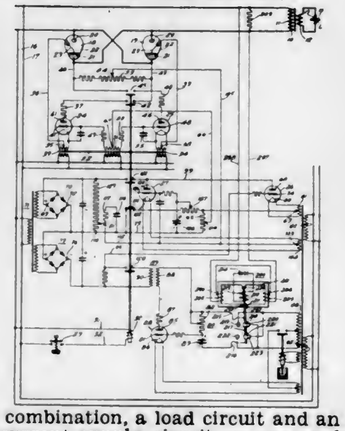
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2,151,749

WELDING CONTROL SYSTEM WITH POLARIZING RELAY

John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 6, 1937, Serial No. 173,182
5 Claims. (Cl. 250—27)



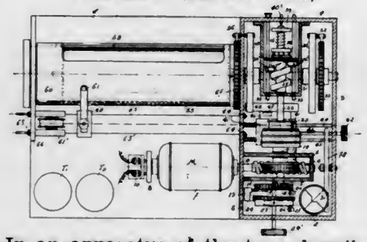
1. In combination, a load circuit and an alternating-current supply circuit, means applying a predetermined odd number of half cycles from said supply circuit in successive intervals to the load circuit and electrical means for always applying an initial half cycle differing in sign from the final half cycle of the preceding interval.

2,151,750

APPARATUS FOR TRANSMITTING RECORDING GRAPHICS

Georges Delchef, Brussels, Belgium

Application June 22, 1935, Serial No. 27,898
In Belgium June 22, 1934
8 Claims. (Cl. 178—69.5)



1. In an apparatus of the type described, the combination comprising a transmitting-recording member and a cooperating contact element adapted to be relatively displaced, and driving means therefor including an electromagnetic clutch comprising an electromagnet and an armature, means for energizing the electromagnet to effect the attraction of the armature, means for reducing the energization of the electromagnet to effect a retention of the attracted armature but insufficient to attract the armature when displaced, and means for effecting the actuation of said last mentioned means.

2,151,751

HOUSING

Arthur W. Dring, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 28, 1936, Serial No. 71,407
1 Claim. (Cl. 220—55)



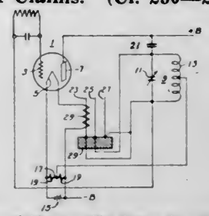
A housing comprising a rear wall having end walls secured thereon, one of said end walls having a peripheral edge formed substantially at right angles to the plane of said end wall, a rim carried by the last-mentioned wall extending in parallel relation with said edge and cooperating therewith to form a groove, a pair of combined side and front wall sections arranged for pivotal and axial movements on said rear wall, a camming mechanism for forcing said wall sections in edge to edge relation, and another camming mechanism including a hook member secured to one of said end walls, a bracket secured to one of said wall sections, a handle pivoted on said bracket and a hook pivoted on said handle for engaging said hook member whereby the pivoting movement of said handle is effective to move said sections collectively on the pivots of said hinges to force their upper edges in said groove in abutting relation with the last-mentioned end wall for preventing the entrance of moisture in said housing.

2,151,752

COMPENSATOR

Stuart G. Ellis, deceased, late of Springfield, Mass., by G. Arvilla Ellis, administratrix, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 9, 1937, Serial No. 119,816
11 Claims. (Cl. 250—27)



6. A circuit of the radio type including an electron discharge having grid, cathode and plate electrodes, means for exciting said cathode electrode to a condition of electron emission, a tuned circuit connected between two of said electrodes,

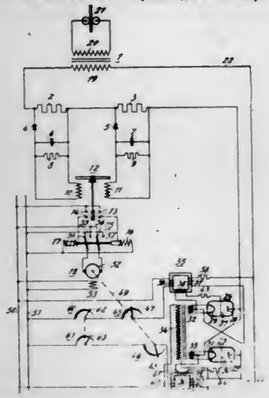
and means comprising a plurality of capacitively arranged temperature responsive elements for simultaneously compensating for changes in said discharge device tending to cause frequency shift and changes in the constants of said tuned circuit.

2,151,753

CIRCUIT ARRANGEMENT FOR PROTECTING ELECTRIC DISCHARGE APPARATUS SYSTEMS

Karl Etzrodt, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 21, 1936, Serial No. 112,059
In Germany November 22, 1935
15 Claims. (Cl. 250—27)



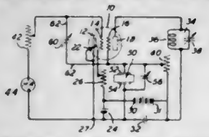
1. Apparatus for supplying a load with alternating current comprising means for supplying current of one polarity to said load, means for controlling the magnitude of the current supplied by said current supply means, means for supplying current of the opposite polarity to said load, means for controlling the magnitude of the current supplied by the last said current supply means and means responsive to the flow of a direct current component through said load for adjusting said first-named and said last-named controlling means.

2,151,754

OSCILLATION GENERATOR

Irvin E. Fair, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 9, 1935, Serial No. 10,240
21 Claims. (Cl. 250—36)



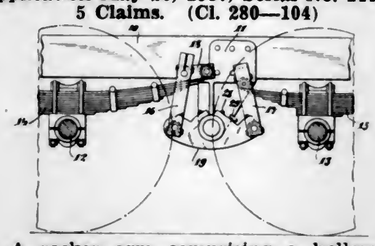
1. An oscillation generator including a space discharge device having a cathode element, an outer grid element and a plate element for generating output oscillations, and having another element disposed between said cathode element and said grid element, means for supplying polarizing voltages to said plate and grid elements, and reactance means interconnected with said another element and one of said other elements for feeding part of said output oscillations to said another element, said reactance means having such a value of capacitance as to balance out the effect of impedance changes caused by variations of said voltages on said plate and grid elements and thereby to eliminate frequency changes caused by said plate and grid voltage variations.

2,151,755

ROCKER ARM CONSTRUCTION

Clayton Farris, Newark, N. J., assignor to The Trucktor Corporation, Newark, N. J., a corporation of Delaware

Application May 26, 1937, Serial No. 144,810
5 Claims. (Cl. 280—104)



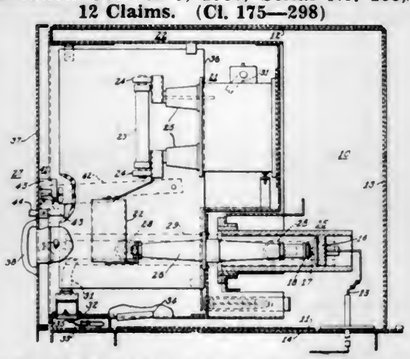
1. A rocker arm comprising a hollow body adapted to hold a quantity of lubricant, bearing means carried by said body adapted to receive a horizontal supporting journal, whereby the same will rock in a vertical plane, additional bearing means carried by said body, the upper portion only of at least one of said bearing means being provided with a lubricating passage communicating with the interior of said body, said passage being disposed at a higher elevation than the quantity of lubricant when the arm is in a horizontal position, and means for introducing lubricant into said body.

2,151,756

METAL-CLAD SWITCH GEAR

Arthur L. Fletcher, Pittsburgh, and Benjamin I. Hayford, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 9, 1937, Serial No. 168,203
12 Claims. (Cl. 175—298)



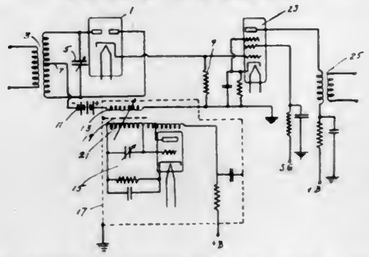
2. In switchgear apparatus, in combination, a housing, a truck structure removably disposed in said housing, electrical apparatus mounted in said truck structure, a power conductor disposed in the housing, means carried by the truck for connecting said apparatus to the power conductor when the truck is fully inserted in the housing, said apparatus being deenergized when the truck is withdrawn from the housing a predetermined distance, a door on the truck for permitting access to said apparatus when opened, means for preventing the opening of the door unless the truck is withdrawn from the housing said predetermined distance, and means for preventing the insertion of the truck into the housing to connect the apparatus to the power conductor without the door being closed.

2,151,757

AMPLIFIER SYSTEM

Roscoe H. George and Howard J. Heim, West Lafayette, Ind., assignors to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,821
5 Claims. (Cl. 250—20)



1. In receiving apparatus, a rectifier having an input and output circuit, means for producing local oscillations of intermediate frequency, a source of modulated radio frequency energy, means for impressing modulated radio frequency and constant intermediate frequency energies simultaneously upon the rectifier input, means for biasing the rectifier to cut-off value during alternate half cycles of the intermediate frequency oscillation, means for producing in the output circuit of said rectifier modulated intermediate frequency signals representative of the modulated radio frequency impressed signals and a load circuit for utilizing said intermediate frequency signals.

2,151,758

METHOD OF RESISTANCE WELDING

John R. Gier, Jr., Penn Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 28, 1936, Serial No. 113,261
1 Claim. (Cl. 219—10)

A method of uniting copper alloy members having low contact resistance, consisting of, interposing a layer of particles of manganese between the members to increase the contact resistance therebetween, and passing an electric current between the members to fuse the manganese particles and adjacent portions of the members and form a copper manganese alloy of continuously varying proportions across the zone of fusion.

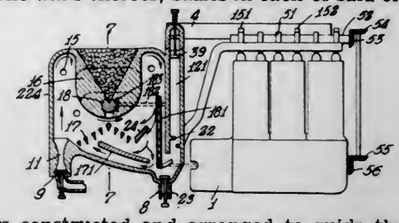
2,151,759

EXTERNAL COMBUSTION ENGINE

Heinrich Hardensett, Constance, Germany

Application March 2, 1936, Serial No. 66,733
In Germany December 6, 1934
2 Claims. (Cl. 60—44)

1. In a system for producing mechanical energy, the combination comprising a reciprocating engine having a plurality of cylinders and a rotary drive shaft, inlet and exhaust valves for said cylinders, a plurality of combustion chambers for supplying driving fluid under pressure to said engine, each of said combustion chambers having a volume which is a multiple of the combined admission volumes of said cylinders, a grate in each combustion chamber, a fuel hopper within the upper portion of each combustion chamber and above said grate, means operatively connected to the engine drive shaft for periodically discharging predetermined quantities of fuel in granular form from said hopper to said grate, means including a nozzle and an inlet valve for each of said combustion chambers and a compressor actuated by the engine drive shaft in common for said chambers for introducing air at a high velocity into said chambers tangentially of the walls thereof, baffles in each of said chambers constructed and arranged to guide the air and the combustion products between said hopper and said grate to produce circulation thereof, a transfer valve for each of said chambers, conduit means for connecting each of said transfer valves with the inlet valves of said cylinders, and means operated by the rotation of said engine drive shaft once during a plurality of revolutions thereof for actuating said valves of the combustion chambers in such predetermined sequence that said chambers are alternately carried through a charging and discharging cycle, said charging cycle including charging said chamber with compressed air and fuel and igniting the same, said discharging cycle including discharge of the combustion gases produced under their own and gradually decreasing pressure into said reciprocating engine to cause several revolutions thereof.

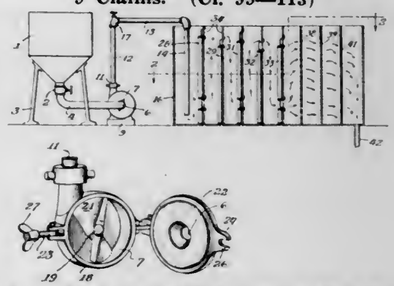


2,151,760

PROCESS OF TREATING EGG MATERIAL

Benjamin R. Harris, Chicago, Ill.

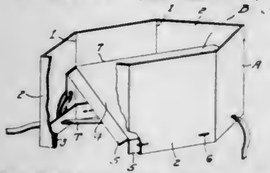
Application May 9, 1938, Serial No. 206,729
9 Claims. (Cl. 99—113)



1. A method of treating liquid egg material which comprises providing a relatively narrow casing having inlet and outlet openings and a rapidly rotating generally screw shaped impeller arm, there being a slight clearance between the interior surface of said casing and the periphery of said impeller arm, passing liquid egg material, as removed from the shells, through said casing while rapidly rotating said impeller arm whereby

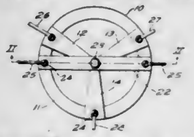
said liquid egg material becomes substantially less viscous, the chalazae become readily separable therefrom, and the filterability of said egg material is considerably facilitated, and then filtering the resultant egg material to remove egg shells, chalazae and other undesired material, whereby a thin, homogeneous liquid egg material is obtained.

2,151,761
COLLAPSIBLE BOX
Glen E. Hartman, Oklahoma City, Okla., assignor to Oklahoma Paper Company, Oklahoma City, Okla., a corporation of Oklahoma
Application February 15, 1937, Serial No. 125,731
6 Claims. (Cl. 229—41)



1. A collapsible box comprising a wall element constituting a series of integrally connected side walls adapted to be folded double to collapsed position, the lower ends of said walls having inturned reentrant flanges; a separate bottom element having a diametral fold at right angles to the fold line of said wall element and provided with peripheral flanges, said bottom element being permanently secured at a pair of opposed flanges to said side walls; and a tie member freely extended entirely below said bottom element transversely thereacross and threaded through the flanges of both elements and thence projecting exteriorly through the lower ends of said wall element, so that when the elements are set up from collapsed position said flanges of the bottom will be interposed between said side wall element and its flanges and said tie member will supportingly reinforce the bottom element when the latter is pressed thereagainst.

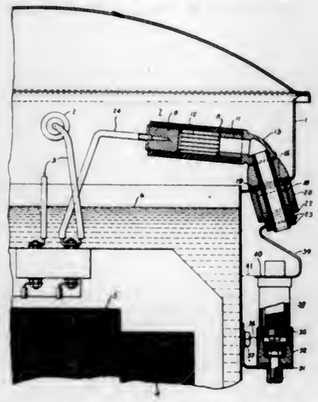
2,151,762
CONTACT RECTIFIER
Richard C. Hitchcock, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 1, 1935, Serial No. 24,529
7 Claims. (Cl. 175—366)



1. A contact rectifier arm of copper having a greatly reduced portion at one end and an oxidized surface limited to said greatly reduced portion.

2,151,763
DISCHARGE-GAP DEVICE
John K. Hodnette and Allan D. Forbes, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1936, Serial No. 57,554
5 Claims. (Cl. 175—30)

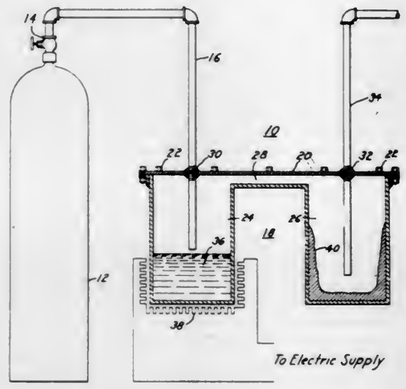
1. A self-extinguishing electrical discharge-device comprising a tube of insulating gas-evolving arc-responsive material, a closed electrode associated with one end of the tube, a high-potential terminal connection for said closed electrode, a vented electrode associated with the other end of the tube, at least one of said electrodes extending into the tube, an electrical ground connection for said vented electrode, said ground connection including a separate open-air series-gap means, and supporting means for said electrical discharge device, said supporting-means including weather-resistant insulating material which is substantially unaffected by an arc, the series-gap means being in shunt relation to said weather-resistant insulating material.



5. The combination, with an excess-voltage protective element of a type capable of interrupting the arc following an excess-voltage discharge, of a conducting supporting-member, means for insulatingly mounting one terminal of said protective element on said conducting supporting-member, a resistor-element electrically connected, at one end, to said terminal of said protective element, and insulating mounting-means for said resistor-element whereby the end of the resistor-element which is connected to the protective element is electrically separated from said supporting-member by an open-air gap of predetermined length, while the other end of the resistor-element is electrically separated from said supporting-member by a shorter open-air gap.

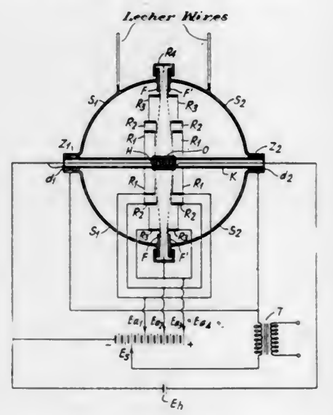
2,151,764
PROCESS OF PURIFYING ANNEALING GASES
Homer D. Holler, Export, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1936, Serial No. 118,553
2 Claims. (Cl. 148—16)

1. A process of purifying an annealing gas to provide a non-oxidizing gas for bright annealing stainless steel comprising the steps of, heating a metal of the group consisting of zinc and cadmium in a substantially air-tight container at a temperature of between the melting point and boiling point of the metal to vaporize it, delivering an annealing gas selected from the group consisting of nitrogen, hydrogen and dissociated ammonia into the metallic vapors whereby the metallic vapors react with the gas to remove oxidizing impurities from the gas, the reaction product of the metallic vapors and the oxidizing impurities being stable in each of nitrogen, hydrogen, and dissociated ammonia, providing for the flow of the gas from the heating and reacting chamber into a cooling chamber wherein the gas and



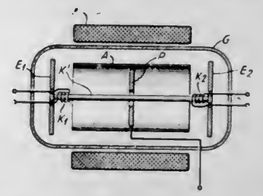
any metallic vapors carried therein are so cooled as to free the gas from the vapors by condensing them, and withdrawing the cooled and purified gas from the cooling chamber.

2,151,765
DEVICE FOR GENERATING ELECTRICAL OSCILLATIONS
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 10, 1937, Serial No. 130,029
In Germany March 4, 1936
6 Claims. (Cl. 250—36)



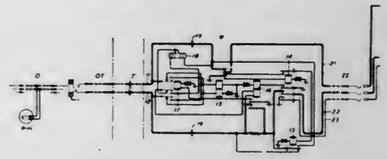
1. An oscillation generator comprising a low-loss resonant system having a conducting straight shaft, and a pair of hollow hemispherical metallic shells at opposite sides of the center of said shaft and facing one another, said shells being so arranged that there is a space between adjacent edges thereof in a plane transverse of said shaft, an electron emitting cathode on said shaft in said plane, and means for concentrating the electrons emanating from said cathode into a disc-like beam in said plane.

2,151,766
MAGNETRON
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 8, 1938, Serial No. 228,908
In Germany August 24, 1937
5 Claims. (Cl. 250—27.5)



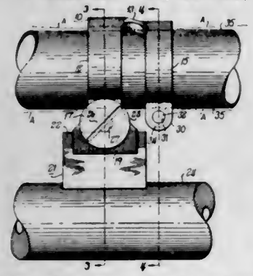
5. An electron discharge device having an envelope containing a straight cold cathode, an anode co-axial with and surrounding said cathode, thermionic cathodes positioned adjacent each end of the anode and said cold cathode and co-axial with said cold cathode but outside of the space between said cathode and said anode, and shielding means adjacent each thermionic cathode, and an electrode extending transversely of said cold cathode and anode and between said cold cathode and anode for confining electrons from each of said thermionic cathodes to the halves of the interior of said anode adjacent the respective thermionic cathodes.

2,151,767
TELEPHONE SYSTEM
Henry Hovland, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 4, 1936, Serial No. 94,149
10 Claims. (Cl. 179—27)



1. In a telephone system, a calling station, a two-motion selector switch, groups of lines connected to the terminal bank of said switch, a plurality of groups being connected to one level of the bank, means comprising an impulse sender at said station for selecting any one of said groups by advancing the brushes of said switch into engagement with the first set of terminals in the desired group, means effective if the first line of a selected group is busy and a succeeding line in the group is idle for automatically advancing the brushes to hunt for an idle line, means effective upon engagement of the brushes with the terminals of any idle line in a selected group to seize said line, electromagnetic means effective if all of the lines in a selected group are busy for disabling the means for automatically advancing the brushes from the first set of terminals in the group and for disabling the means for seizing an idle line, and means responsive to an impulse from said impulse sender after one of the lines in the selected group becomes idle for again rendering operative the means for advancing the brushes and the means seizing an idle line.

2,151,768
TELESCOPE MOUNT FOR FIREARMS
Frederick L. Humeston, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application February 24, 1937, Serial No. 127,389
7 Claims. (Cl. 33—50)



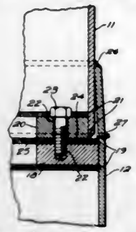
1. A telescope mount for firearms folded up from sheet-metal and comprising: a clasp-member having two complemental support-clasping arms comprising an encircling-portion, and spaced substantially vertically-depending coupling-portions positioned directly opposite to each other laterally of the mount and each provided with a clasping-finger constructed and arranged to engage with a sight-support of a firearm; a first clamping-member extending between the two said vertically-depending coupling-portions and serving to engage the clasping-fingers thereof with a sight-support of a firearm structure; a pair of tube-clasping arms also carried by the said clasp-member and comprising an encircling-portion to engage and hold a telescope-tube; and spaced substantially vertically-depending coupling-portions; and a second clamping-member engaging the said tube-clasping arms with a telescope and positioned immediately adjacent the said first clamping-member.

2,151,769
HYDROGENATED TERPENE ETHER
Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 13, 1937, Serial No. 168,843
16 Claims. (Cl. 260—611)

1. A terpene ether produced from an unsaturated terpene compound by reacting an alcohol at a double bond of an unsaturated terpene compound, and then hydrogenating the resulting ether to reduce the remaining unsaturation therein.

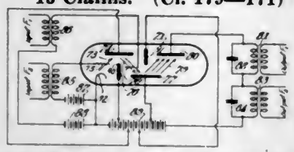
2,151,770
TRANSFORMER TANK STRUCTURE
William G. James, West Middlesex, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1935, Serial No. 21,986
1 Claim. (Cl. 285—111)

A joint structure for use in a vertically extending sectionalized case having a lower section of major diameter and an upper section of minor diameter comprising, means disposed around the lower section and below its upper edge for supporting the upper section in telescopic relation, said means comprising a horizontal flange projecting inwardly from the internal surface of the lower section, means comprising another inwardly extending horizontal flange disposed around the upper section at its lower edge to cooperate with the flange of the lower section in positioning the sections in assembled relation, the lower section extending upwardly beyond and external of the lower edge of the upper section, the upper



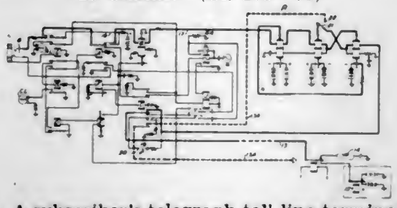
edge of the lower section of major diameter being forced into contact with the external surface of upper section of minor diameter, and a weld for uniting the contacting upper edge of the lower section to the external surface of the upper section to provide a leakproof joint therebetween.

2,151,771
ELECTRON TUBE CIRCUITS
Kenneth W. Jarvis, New Rochelle, N. Y., and Russell M. Blair, Teaneck, N. J., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 10, 1935, Serial No. 15,712
13 Claims. (Cl. 179—171)



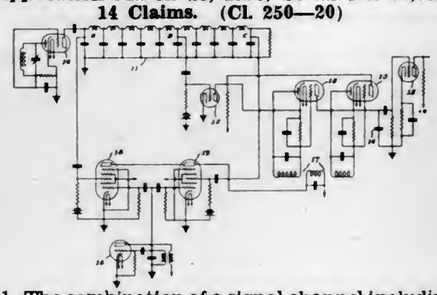
6. In combination, means for producing a primary electron stream, means including opposed electrode surfaces for producing successive streams of secondary electrons of progressively increasing amplitude from said primary electron stream, a circuit for imparting to one of said electron streams an alternating current frequency characteristic, and an output circuit in which said electron streams develop an alternating current of a frequency controlled by said first circuit.

2,151,772
TELEGRAPH LINE CIRCUIT
Fullerton S. Kinkead, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 14, 1936, Serial No. 105,582
10 Claims. (Cl. 178—74)



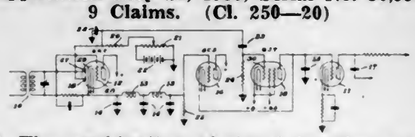
1. A subscriber's telegraph toll line terminating circuit, a telegraph line therein normally terminating at a central office in relays, and relays operated as a result of closing said line to shift the termination to a telegraph repeater connected to means at said central office conditioned for flexibly extending said circuit.

2,151,773
REDUCTION OF NOISE
Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,348
14 Claims. (Cl. 250—20)



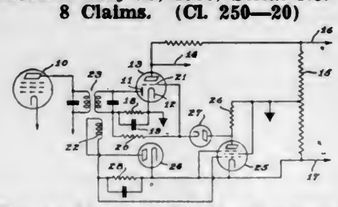
1. The combination of a signal channel including a channel open circuiting device and an amplifier in the order named, and means including a capacitor connected in the input circuit of said amplifier for maintaining the signal in said channel following said device and preceding said amplifier at a level attained immediately preceding the opening of the channel by said device.

2,151,774
REDUCTION OF NOISE
Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 21, 1936, Serial No. 80,996
9 Claims. (Cl. 250—20)



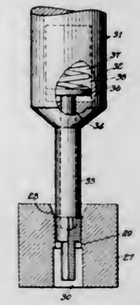
1. The combination of signal impulse supply means, an amplifier having an input circuit, energy storage means connected in the input circuit of said amplifier, a signal channel interconnecting said supply means with said storage means to supply energy to said storage means, an impedance device connected in shunt to said storage means for controlling the discharge of energy therefrom, and means interconnecting said supply means and said impedance device for interrupting the discharge of energy from said storage means without interruption of the transmission in said signal channel in response to impulses of an amplitude exceeding a predetermined value.

2,151,775
REDUCTION OF NOISE
Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1936, Serial No. 82,417
8 Claims. (Cl. 250—20)



1. The combination of a signal channel including an electron discharge device provided with input and output circuits, means for controlling the transmitting efficiency of said device in response to a detected audio frequency signal component, a control tube, a diode rectifier connected between said input circuit and the output circuit of said control tube, and means including a diode rectifier for subjecting said control tube to a control potential dependent on a signal component different from that applied to the input circuit of said device.

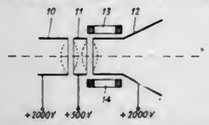
2,151,776
METHOD AND APPARATUS FOR FORMING METAL SCREW BLANKS
Herman Koester, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application January 31, 1938, Serial No. 187,784
9 Claims. (Cl. 10—7)



1. Means for forming a socketed screw blank or the like from a cylindrical blank with recessed head, comprising a die having therein an aperture with cylindrical section of diameter less than the diameter of said blank and with a tapered section forming an approach thereto and adapted to receive the blank, together with an annular extrusion member adapted to engage said blank for forcing it through said cylindrical section, and a coaxially disposed mandrel permanently mounted in the extrusion member, movable axially thereto and adapted to project beyond the same to enter the recess in said blank to an extent limited by the bottom of the recess, the protruding terminal portion of the mandrel bearing peripheral conformations to impart a predetermined contour to the walls of said recess as the material of the blank is laterally compressed upon the said terminal portion under the action of the extrusion member.

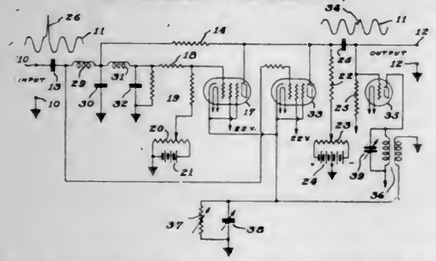
6. Means for forming a socketed screw blank or the like from a cylindrical blank with recessed head, comprising a die having therein an aperture with cylindrical section of diameter less than the diameter of said blank and with a tapered section forming an approach thereto and adapted to receive the blank, together with an annular extrusion member having an annular flat pressure face at one end adapted to engage said blank for forcing it through said cylindrical section and the other end of said member being enlarged to afford a housing, a mandrel comprising a rod passing through the extrusion portion of the extrusion member, its protruding tip bearing longitudinal flutes and adapted to enter said recess, the other end of the rod terminating in a head portion within the housing, and a compression spring within the housing bearing upon said head to cause said tip to protrude beyond the said extrusion member.

2,151,777
ELECTRON OPTICS
Max Knoll and Rudolf Urtel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany
Application July 8, 1936, Serial No. 89,680
In Germany July 8, 1935
1 Claim. (Cl. 250—162)



A cathode ray device comprising means for producing an electron beam, an electrostatic electron lens having two principal planes for focusing the produced electron beam upon a predetermined impact plane spaced from the electron beam producing means and electro-magnetic means for deflecting the electron beam, said electro-magnetic means being positioned in the region of said principal planes and having the maximum field intensity within the region of said planes.

2,151,778
REDUCTION OF NOISE
Vernon D. Landon, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,380
19 Claims. (Cl. 250—20)

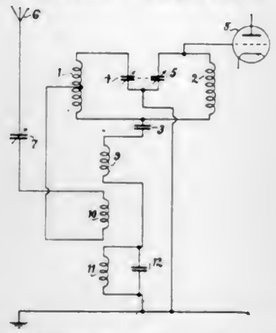


9. The method of operating a noise reduction system including an audio frequency signal channel, which includes deleting from the signals passing through said channel the minute signal portions containing noise impulses and, while the remainder of the signals less the deleted portions are passing through said channel, replacing said deleted portions by an audio frequency signal portion immediately preceding each deleted portion.

2,151,779
METHOD OF MELTING AND CASTING MAGNESIUM AND ALLOYS RICH IN MAGNESIUM
Leopold Lasch and Georg Schichtel, Radenthein, Carinthia, Austria, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 26, 1938, Serial No. 187,026. In Austria October 7, 1935
8 Claims. (Cl. 75—67)

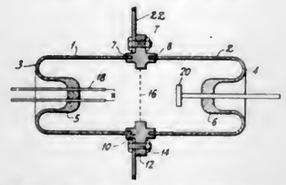
1. A method of preventing the action of air upon molten magnesium, which comprises applying to the metallic material fragments of horny material which combust in the air, at the working temperature, with the formation of a froth inert to magnesium, and allowing such a froth to be formed in contact with the heated metal, which froth becomes then converted, by carbonization, into a hard crust covering the freely exposed surface of the melt.

2,151,780
PRESELECTOR SYSTEM FOR RADIO RECEIVERS
Percy Armstrong Le Marchant, Iver, Buckinghamshire, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company
Application January 21, 1937, Serial No. 121,622
In Great Britain January 31, 1936
9 Claims. (Cl. 250—20)



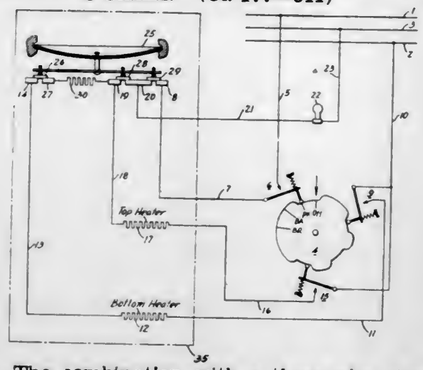
1. A superheterodyne wireless receiver provided with a pair of tuned circuits resonant to a desired signal frequency, coupling means therefore, said coupling means comprising an impedance common to both said tuned circuits, and means resonating with said common impedance at the frequency of undesired signals for effecting attenuation of undesired signals without substantial attenuation of desired signals.

2,151,781
ELECTRON DISCHARGE TUBE
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 14, 1932, Serial No. 605,274. Divided and this application May 14, 1936, Serial No. 79,648
1 Claim. (Cl. 250—27.5)



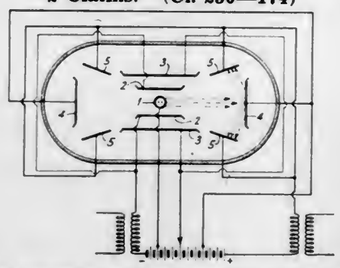
An electron discharge device comprising a cathode and an anode, a sealed envelope enclosing the electrodes comprising two cylindrical envelope portions of insulating material, a lead-in conductor of minimum impedance to high frequency currents between connections inside and outside said envelope comprising a substantially flat metal disc with a central aperture of less diameter than the inside diameter of the envelope, the rims of the cylindrical envelope portions being sealed to opposite faces of the disc intermediate the edge of said central aperture and the periphery of the disc, and a grid-like electrode interposed between said cathode and anode and attached to said disc.

2,151,782
PILOT LIGHT FOR OVENS
Edwin H. Lockwood, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 27, 1936, Serial No. 66,017
3 Claims. (Cl. 177—311)



1. The combination with a three-wire circuit including two main wires and a neutral wire, of a pair of current-consuming devices, means including a control switch, a manual switch for selectively connecting said devices to one of said main lines and for effecting connection of the control switch to the other main line, an indicator, and means including said control switch for connecting both said devices and one terminal of said indicator to said other line through said manual switch, the other terminal of said indicator being connected to said neutral wire.

2,151,783
SECONDARY ELECTRON DISCHARGE TUBE
Edmund Heinrich Löpp, Berlin, Germany, and Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 22, 1937, Serial No. 149,582
In the Netherlands June 22, 1936
2 Claims. (Cl. 250—174)



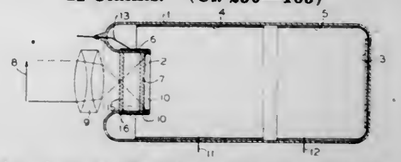
1. An electron discharge tube comprising an indirectly heated cathode, a control element comprising a pair of metal sheets mounted on opposite sides of said cathode to form a passage for the discharge from said cathode, an accelerating electrode comprising a pair of metal sheets on opposite sides of and parallel to said control element, a secondary electron emission electrode in alignment with the passage between the sheets of said control element, and an anode between said secondary electron emission electrode and the end of said accelerating electrode and outside the electron path extending from the cathode through the passage in the control element to said secondary emission electrode.

2,151,784
GOLF BAG SUPPORT
James R. Love, Houston, Tex.
Application January 24, 1938, Serial No. 186,622
1 Claim. (Cl. 248—96)



A holder for a golf bag and the like comprising a bar having means to connect the upper portion of the bar to the golf bag, a bearing connected to the upper portion of the bar, a cross-bar of a length approximately equal to the width of the bag mounted in the bearing, a leg connected to each end of the cross-bar, one of the legs extending above the cross-bar to form a handle, means for holding the legs yieldingly against the bag, a rigid clamp connected to the lower portion of the bar, a flexible strap around the clamp and adapted to hold the clamp to the bag.

2,151,785
ELECTRON DISCHARGE DEVICE
Hans Gerhard Lubszynski, Hillingdon, Harold Miller, South Ealing, London, and John Edwin Ingliston Cairns, West Ealing, London, England, assignors to Electric and Musical Industries, Ltd., Hayes, Middlesex, England
Application June 25, 1938, Serial No. 215,720
In Great Britain June 26, 1937
11 Claims. (Cl. 250—165)

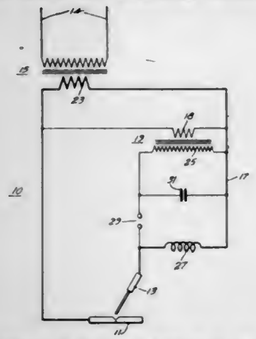


1. An electron discharge device having an envelope open at one end, an inwardly flared portion of smaller diameter than said envelope sealed to said envelope at said open end, a window extending transversely across and sealed to said inwardly flared portion at a point slightly removed from the inner end of said portion, and a photosensitive cathode between said window and said inner end of said portion.

2,151,786
ARC WELDING SYSTEM
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1937, Serial No. 176,250
10 Claims. (Cl. 219—8)

1. In combination, a source of power, a welding circuit disposed to be energized from the

source, and a high frequency control circuit energizable from the welding circuit when the



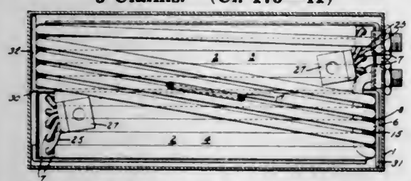
welding circuit is open to apply a high frequency voltage to the welding circuit.

2,151,787

ELECTRICAL CAPACITOR

Ralph E. Marbury and Porter H. Brace, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 5, 1938, Serial No. 194,156
5 Claims. (Cl. 175—41)



1. An electrical capacitor comprising, in effect, a large number of layers of thin electrically conducting sheets separated by sheet-like dielectric, terminal-means associated with some of said conducting sheets for providing an electrode-terminal of one polarity, terminal-means associated with others of said conducting sheets for providing an electrode-terminal of the opposite polarity, at least one of said terminal-means comprising laterally extending portions of some of said conducting sheets extending out of the side of the capacitor at one place, said laterally extended conducting sheets being of fairly good thermal conductivity, said terminal means further comprising a group of good electrically and thermally conducting tabs interspersed throughout the capacitor in contact with some of said extended conducting sheets, said tabs extending out of the side of said capacitor at said place, one or more cooled heat-withdrawing surfaces of good heat-conducting material disposed in juxtaposition to the extending portions of said conducting sheets and the extending ends of the interspersed terminal tabs, and means for providing a direct broad-surface heat-conducting connection between said heat-withdrawing surface or surfaces and said extending portions and tabs.

3. An electrical capacitor comprising two serially connected groups of parallel-connected capacitor-coils, each coil having two terminals of opposite potentials extending out from opposite sides of the coil, the two groups being so stacked that the high-potential terminal of one group and the low-potential terminal of the other group are at one side of the capacitor, and so that the other two terminals are at the other side of the capacitor, a plurality of cooling coils for a cooling fluid disposed around the capacitor-groups in such manner that spaced cooling-coil sides extend alongside of each of the low-potential terminals, with at least some of said low-potential terminals extending between said cooling-coil sides, and with all of said low-potential terminals firmly united to said cooling coils with a broad-surface adhering connection of good heat-conductivity, the other cooling-coil sides extending diagonally across said groups of capacitor-coils, leaving free spaces for said high-potential terminals, said low-potential terminals being of adequate cross-section to provide a heat-conducting path of good conductivity from the innermost recesses of the capacitor-coils to the cooling coils, a tank enclosing said capacitor-coils and cooling coils, and a filling of liquid dielectric in said tank.

2,151,788

ACID ADDITION COMPOUNDS OF HIGHER FATTY ACID AMIDES

Ernst Alfred Mauersberger, Maarssen, Netherlands, assignor to Alframine Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 15, 1937, Serial No. 169,232
7 Claims. (Cl. 260—404)

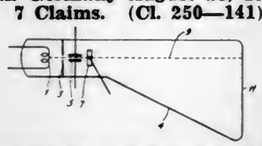
1. As a new compound, a water soluble acid addition compound consisting of the product resulting from the reaction at temperatures of about 140° C., of a lower molecular weight water soluble carboxylic acid with a product having the general formula $R_1.CO.NH.R_2.OH$, in which R_1 is an aliphatic chain of at least 8 carbon atoms and R_2 is an aliphatic chain of not more than 5 carbon atoms.

2,151,789

ELECTRON TUBE

Fritz Michelssen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application August 8, 1932, Serial No. 627,928
In Germany August 25, 1931
7 Claims. (Cl. 250—141)



1. A cathode ray tube comprising an electrode system including an electron source and a cooperatively arranged anode through which the developed electrons are projected as an electron beam, screen structure positioned within the tube eccentrically with respect to the axis of the electrode system, said screen structure being adapted to become fluorescent under the influence of the electron beam, and deflecting means axially aligned with the beam developing electrode system and positioned eccentrically with respect to the screen to cause when electrical energy is supplied thereto the generated electron beam to traverse the screen structure.

2,151,790

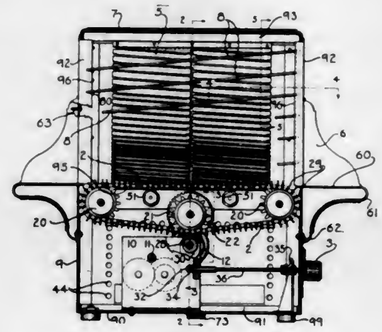
ELECTRIC TOASTER

Harry R. Mitchell, Bremerton, Wash., assignor of one-half to Douglas G. Smith, Mercer Island, Wash.

Application April 13, 1937, Serial No. 136,616
8 Claims. (Cl. 219—19)

1. A bread toaster comprising a frame defining

an upright trough open at both ends, a heating element supported in the frame at each side of the trough, a conveyor element movable lengthwise of the trough, along its bottom, means so to move said conveyor, and slice-guiding bars at each side of the trough to hold a slice up-



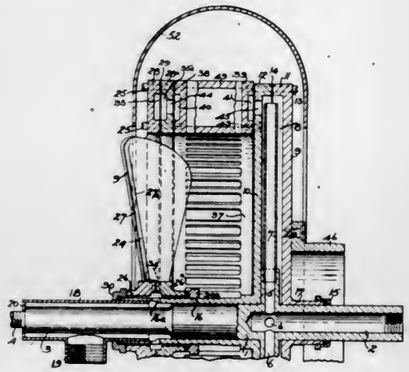
right and spaced from the heating elements as it is conveyed along the trough, said bars being inclined, relative to the bottom of the trough, continuously and in the same direction, from end to end of the trough, to urge the slice into engagement with the conveyor.

2,151,791

RADIATOR OR CONDENSER

Albert L. Muren, Dearborn, Mich.

Application October 29, 1937, Serial No. 171,638
8 Claims. (Cl. 257—260)



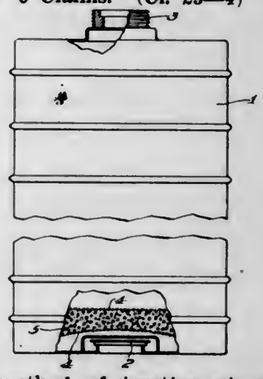
8. A device of the character described comprising a unit mounted for rotation consisting of a hollow-bladed fan, a ring having a plurality of circularly arranged transverse tubular members, and a closed vessel, means for admitting liquid to be cooled into the inner extremities of the hollow blades, means through which the liquid is discharged from the outer extremities of the hollow blades into the tubular members, means connecting the tubular members with the interior of the closed vessel through which the liquid flows, means for rotating the unit, stationary pipes in said vessel, means connecting said pipes with the exterior of the vessel, and the wall of the vessel adjacent the ring being solid whereby air discharged from the fan flows outwardly between the transverse tubular members.

2,151,792

METHOD FOR PURIFYING AIR FOR BREATHING

Myron L. Myers, Elizabeth, N. J., and Edwin J. Morris, Richmond County, N. Y.

Application November 2, 1935, Serial No. 48,058
6 Claims. (Cl. 23—4)



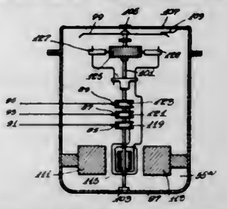
1. That method of treating air vitiated by vapors or fumes of material of the group consisting of metal or metal compound, to render it fit for breathing, which comprises passing said vitiated air into contact with a moist soluble phosphate and thereby removing said material and rendering the air fit for breathing.

2,151,793

POSITIONAL RECEIVER

Albert Patin, Berlin, Germany

Application July 15, 1936, Serial No. 90,810
In Germany May 13, 1933
4 Claims. (Cl. 172—239)



1. A receiver for faithful transmission of angular positions or motions, said receiver consisting of a casing; means for producing a fixed magnetic field in said casing; an annular resistance closed upon itself and arranged fixedly in said casing; a spindle rotatably mounted in said casing; said spindle being centrally directed with respect to said annular resistance; at least two coils fixed to said spindle, said coils being mounted rotatably in said magnetic field and the angular spacing of said coils from one another differing from the pole-pitch of said magnetic field; contact-members fixed to said spindle, said contact-members sliding on said annular resistance, each of said contact-members being connected with one terminal of said coils; and means for supplying current to the other terminals of said coils.

2,151,794

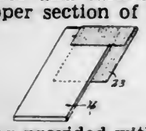
ROOF CONSTRUCTION AND ROOFING ELEMENT THEREFOR

Joseph B. Peebles, Los Angeles, Calif.

Application April 4, 1938, Serial No. 199,741
9 Claims. (Cl. 108—10)

1. A lightweight roofing element comprising an elongated tile and a strip of flexible water-resistant material attached to the upper section of the back of said tile and extending beyond the

upper edge thereof and turned over said edge to overlie the upper section of the front of the

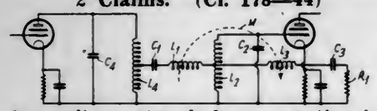


tile, said tile being provided with a substantially smooth front face and an indented rear face.

2,151,795
THERMIONIC AMPLIFIER CIRCUITS

William Spencer Percival, London, England, assignor to Electric & Musical Industries Limited

Application September 14, 1937, Serial No. 163,758
In Great Britain September 24, 1936
2 Claims. (Cl. 178—44)

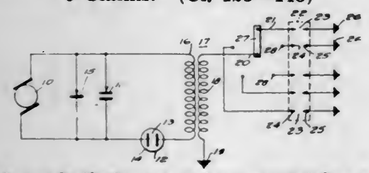


1. A coupling network for connection between a pair of vacuum tube amplifiers and adapted to pass a wide band of frequencies, comprising an inductance included in the plate circuit of one tube and a second inductance included in the grid circuit of the succeeding tube, a series tuned circuit connected between the first inductance and a tapping point on the second inductance, a second series tuned circuit connected between said tapping point on the second inductance and the low potential end thereof, said series tuned circuits being provided with inductance elements which are coupled together so that the effect of the mutual inductance therebetween tends to neutralize the effect of the leakage inductance arising from the connection of said inductance elements to the tapping point on said second inductance.

2,151,796
DISCHARGE APPARATUS

John F. Peters, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 31, 1936, Serial No. 118,550
6 Claims. (Cl. 123—148)



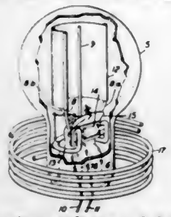
1. A spark discharge system comprising a spark discharge device, means for storing an electrical charge for said device, means for generating alternating current for charging said last mentioned means, means for shorting half cycles of said alternating current, and means for holding said charge until said charge reaches a desired voltage.

2,151,797
PHOTOELECTRIC TUBE

Charles H. Prescott, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 26, 1937, Serial No. 150,456
2 Claims. (Cl. 250—165)

1. A method of producing a light-sensitive electron emitting cathode within a closed container, which comprises mounting an element having a polished silver surface within said container, producing a glow discharge on said surface in an atmosphere of oxygen to produce a heavy layer of silver oxide, heating said element to reduce said silver oxide, cooling said element, producing a glow discharge on the resulting surface of said

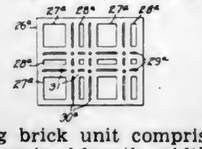


element in an atmosphere of hydrogen sulphide gas at low pressure to produce a thin layer of silver sulphide, stopping the glow discharge, removing the residual gas from the container, producing caesium vapor within said container, and heating the container to cause the caesium to diffuse into the layer of silver sulphide.

2,151,798
BUILDING BRICK OR BLOCK

Thomas O. Raad, New York, N. Y.

Application June 8, 1937, Serial No. 146,994
7 Claims. (Cl. 72—41)

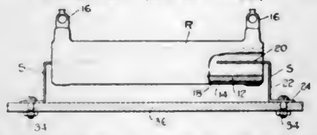


1. A building brick unit comprising a hollow body of predetermined length, width, and height, the outer surfaces of said body being finished throughout, said body having a plurality of longitudinal and a plurality of transverse cleavage lines for dividing the unit into independent brick sections arranged transversely and longitudinally of said unit, each of said sections having at least one chamber extending therethrough, and the cleavage lines being formed by narrow passages extending into the outer walls of said unit a greater degree than the chambers or openings formed in said unit to form freely breaking lines longitudinally and transversely of said unit.

2,151,799
TUBULAR RESISTOR AND SUPPORT THEREFOR

Henry G. Richter, Westfield, N. J., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application April 6, 1936, Serial No. 72,956
8 Claims. (Cl. 201—63)



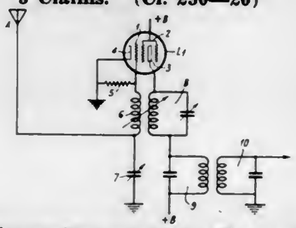
5. In combination, a tubular insulation core, a resistance winding thereon, and support members at each end of the core for supporting the resistor, said support members including a strap of sheet metal bent to form a single-thickness portion received axially within the end of the resistor core, a transverse leg portion for spacing the resistor from a base, and a sidewardly

bent foot portion adapted to be secured to the base, the core penetrating portion being longitudinally slit and so dimensioned that its longitudinal side edges are compressed toward one another by the internal wall of the core.

2,151,800
OSCILLATION DEVICE

Yves Rocard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application May 13, 1936, Serial No. 79,415
In France July 10, 1935
3 Claims. (Cl. 250—20)

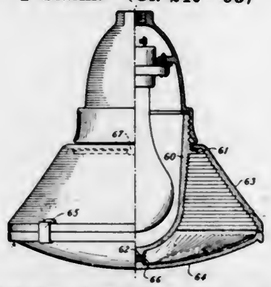


1. A radio receiver comprising the combination of a vacuum tube having a cathode, a grid and a plate, an output circuit connected to said plate and having a first resonant circuit tuned to a desired oscillation frequency and a second resonant circuit tuned to the beat frequency, a series resonant circuit tuned to said desired frequency including a coil and condenser connected between said grid and ground, an aerial, a direct connection between said aerial and the common point of said coil and condenser and a feedback coupling between said output circuit and said series resonant circuit.

2,151,801
VAPORPROOF LUMINAIRE

Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware

Application December 17, 1936, Serial No. 116,295
1 Claim. (Cl. 240—93)

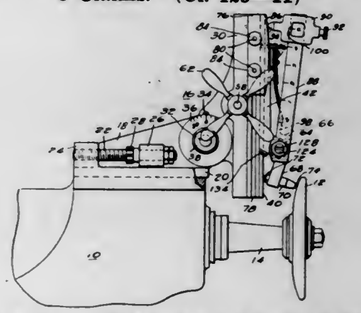


As an article of manufacture an enclosure adopted for use with a pendent light source carried by a vapor-proof fitter having a screw threaded skirt, said enclosure comprising a refracting glass bowl adapted to receive the light source and having a closed bottom and substantially vertically side walls provided with annular light depressing prisms, a threaded top adapted to fit the fitter, and a flange below the threads, an outer annular glass ring engaging the flange and having downwardly and outwardly flaring walls provided with reflecting prisms to reflect the refracted light downwardly through the mouth of the ring, a diffusing glass plate closing the bottom of the ring, and means to secure the three pieces of glass together.

2,151,802
GRINDING WHEEL TRIMMING DEVICE

Adam Roman, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1937, Serial No. 171,357
8 Claims. (Cl. 125—11)

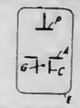


1. In a trimming device for a grinding wheel, a base plate, means for adjustably positioning said base plate in a direction parallel to the axis of the grinding wheel, a swivel head, means for adjustably mounting said swivel head on said base plate so that it may be positioned at various angles in a plane through the axis of rotation of the grinding wheel, a trimming tool, means mounting said tool on said swivel head for pivotal movement in said aforementioned plane, means on said swivel head for imparting a rectilinear motion in said aforementioned plane to said pivotal mounting means, and means for imparting a predetermined pivotal movement to said tool simultaneously with the rectilinear movement of said pivotal mounting means.

2,151,803
CATHODE FOR ELECTRON DISCHARGE DEVICES

Noël Meyer Rust, Chelmsford, and George Fairburn Brett, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application October 21, 1936, Serial No. 106,742
In Great Britain November 7, 1935
9 Claims. (Cl. 250—163)



1. An electron discharge tube having an envelope enclosing an anode and a cathode, said cathode having a pair of spaced flat oppositely disposed surfaces facing each other and coated with emitting material only on the facing surfaces for providing a ribbon-like beam of electrons.

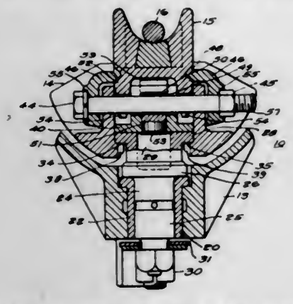
2,151,804
CURRENT COLLECTOR

William Schaake, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 20, 1937, Serial No. 132,077
12 Claims. (Cl. 191—59.1)

1. The combination in a current collector of a slider shoe having grooves in the sides thereof, and an assembly including a rotatable bearing stem, a swivel supported thereby and oscil-

lative in a plurality of planes and clamping means associated with the swivel adapted to en-



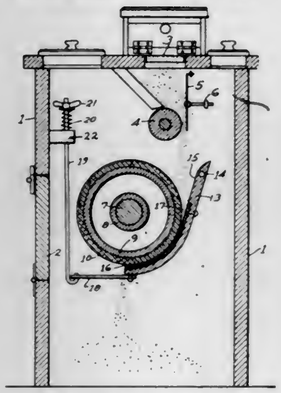
gage said grooves in the slider shoe to secure the slider shoe to the swivel.

2,151,805

PROCESS FOR THE TREATMENT OF PATENT FLAT STOCK AND LOW GRADE

Iver P. Schei, Fergus Falls, Minn.

Application October 10, 1936, Serial No. 105,124
2 Claims. (Cl. 83—42)



1. A process for the treatment of what is known in milling as patent flat stock and low grade, comprising feeding the flat stock and low grade in regulated quantities between coacting moving and stationary leather covered surfaces, and applying controlled pressure to the flat stock and low grade while moving between said surfaces to effect a mild and pulverizing action on the woody fibers of the wheat, to separate said fibers and the flour particles ready for the reel.

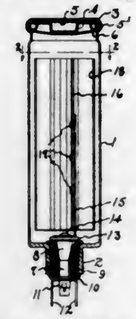
2,151,806

ELECTROLYTIC CONDENSER AND METHOD OF MAKING SAME

Nathan Schnoll, New York, and Lewis W. Appleton, Brooklyn, N. Y., assignors to Solar Manufacturing Corporation, New York, N. Y., a corporation of New York

Application June 5, 1937, Serial No. 146,540
3 Claims. (Cl. 175—315)

1. A method of manufacturing anodes for electrolytic condensers, which comprises forming a film on the anode in a boric acid and borax forming solution, immersing the anode in a similar solution having a higher borax content at an elevated temperature for a predetermined period of time to deteriorate the film, again immersing the anode in said forming solution, applying a direct current voltage to the anode to



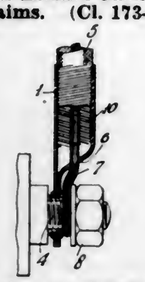
re-form the film, and repeating the steps of deteriorating the film and re-forming it.

2,151,807

CABLE TERMINAL

William Sebastian Graff-Baker, Kensington, London, England, assignor to The Benjamin Electric Limited, London, England

Application June 12, 1937, Serial No. 147,853
In Great Britain June 18, 1936
5 Claims. (Cl. 173—269)



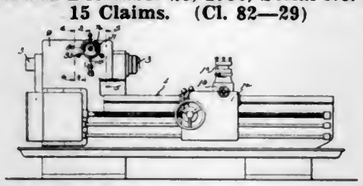
1. A terminal for an electric conductor, comprising a sleeve of insulating material, opposed portions upon said sleeve deformed one towards the other, said portions having registering apertures therein, and a metallic fastening with an opening therein extending through said apertures with parts of said fastening lying against the outer surfaces of said portions to secure said portions together, said sleeve having a further aperture adjacent said fastening adapted to receive said conductor.

2,151,808

MACHINE TOOL TRANSMISSION AND CONTROL

Werner Irving Senger, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin

Application December 23, 1936, Serial No. 117,305
15 Claims. (Cl. 82—29)



1. In a lathe the combination of a bed providing a head stock portion uprising adjacent one end thereof, a work spindle journaled in said headstock portion, a unitary spindle rate change

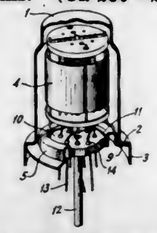
device removably fixed in predetermined position on said headstock portion adjacent said spindle and including an adjustable rate changer and a shaft driven therethrough together with shifter means operable for adjustment of said rate changer, and selector means for operation of said shifter means to effect a preferred rate change effect including a portion adjustably carried by said headstock portion and disengageable coupling elements respectively associated with said headstock portion and with said unitary device, said coupling elements being disengaged during removal of said unitary device and reengaged during replacement of said unitary device in said predeteremined position.

2,151,809

STEM FOR ELECTRON DISCHARGE DEVICES

Lawrence R. Shardlow, Arlington, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 25, 1937, Serial No. 165,677
4 Claims. (Cl. 250—27.5)



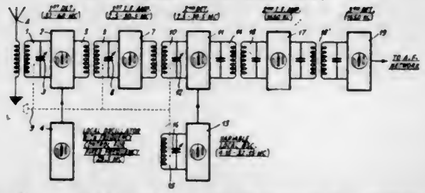
1. A stem for electron discharge devices comprising a metal ring with a thermal expansion between 104×10^{-7} to 110×10^{-7} centimeters per centimeter per degree centigrade, a ceramic disc with a thermal expansion of about 100×10^{-7} centimeters per centimeter per degree centigrade, and glass flux with a thermal expansion of about 92×10^{-7} centimeters per centimeter per degree centigrade, the ceramic disc being sealed along its periphery to the metal ring by the glass.

2,151,810

SUPERHETERODYNE RECEIVER

Rudolph H. Siemens, Richmond Hill, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 11, 1937, Serial No. 119,926
6 Claims. (Cl. 250—20)



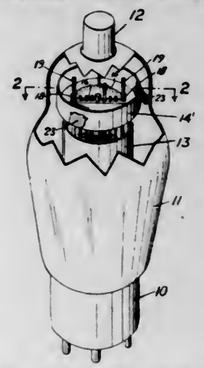
1. A method of superheterodyne reception which includes the steps of selecting a desired signal frequency from within the 32 to 60 megacycles range, beating such signal with oscillations of an accurately controlled frequency of 29.5 megacycles to produce an intermediate frequency range of 2.5 to 30.5 megacycles, beating the intermediate frequency energy so produced with local oscillations varying in frequency from 4.15 to 32.15 megacycles to produce a second intermediate frequency energy of 1650 kc., and demodulating the second intermediate frequency energy.

2,151,811

MOUNT FOR ELECTRON DISCHARGE DEVICES

Newell R. Smith, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 1, 1934, Serial No. 709,267
4 Claims. (Cl. 250—27.5)



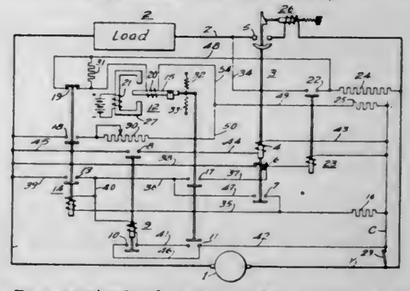
1. An electron discharge device having an envelope provided with a tubular portion at one end thereof, a mount comprising an electrode assembly positioned in the other end of said envelope and provided with a member having a collar-like portion extending within the tubular portion of the envelope said collar-like portion having slots spaced around its periphery, sheet mica springs interlockingly engaged in said slots and extending outwardly from said mount at an angle to the longitudinal axis of the tubular portion of said envelope to facilitate the insertion of said mount into the envelope of the tube and to engage the interior wall of the tubular portion of said envelope to resiliently and firmly position said mount within said envelope.

2,151,812

AUTOMATIC RECLOSING SYSTEM FOR CIRCUIT BREAKERS

William R. Taliaferro, Pittsburgh, and Robert R. Longwell, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

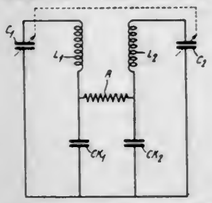
Application January 16, 1937, Serial No. 120,938
5 Claims. (Cl. 175—294)



1. In a control relay system for closing a circuit breaker to connect a direct-current source to a feeder of a direct-current distribution system, a control relay for the closing coil of a circuit breaker, a circuit for said control relay having two normally open switches in series therein, a directional relay, means for so energizing said directional relay as to compare the polarity and

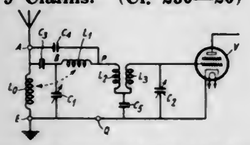
voltage of the source and the feeder, means whereby said directional relay closes one of said switches when the polarity of the source and the feeder are the same and the generator voltage is a predetermined amount above the feeder voltage, means under control of said last-mentioned means for closing said one switch for so connecting said directional relay in a bridge arrangement the load in the feeder circuit constituting one arm of the bridge as to render the directional relay responsive to the equivalent load resistance of the feeder system, and means whereby said directional relay closes the second of said normally open switches when the feeder load, as measured by its equivalent resistance, does not exceed the value of the load which it is desired to have the source carry.

2,151,813
BAND FILTER CIRCUITS
Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application April 22, 1935, Serial No. 17,620
In Germany August 13, 1934
7 Claims. (Cl. 178—44)



3. A circuit arrangement comprising two tuned circuits, each including an inductance, a variable condenser and a fixed condenser connected in series, a conductive connection between corresponding terminals of the fixed condensers, and a resistance connected between the other terminals of said condensers.

2,151,814
SUPERHETERODYNE RECEIVING CIRCUITS
Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application December 31, 1936, Serial No. 118,455
In the Netherlands January 6, 1936
9 Claims. (Cl. 250—20)



1. In a coupling network for the suppression of image frequencies in a superheterodyne receiver, the combination of a source of signal frequencies, a pair of tunable circuits, a condenser connected between said source and a point on one of said tunable circuits which divides said circuit into two parallel paths each including an inductance and a condenser, means for coupling the signal source to one of said paths, and means for coupling the other tunable circuit to the other of said paths.

2,151,815
PARACHUTE OPENING MEANS
Giuseppe Tomasetta, Bronx, N. Y.
Application July 30, 1938, Serial No. 222,157
3 Claims. (Cl. 244—149)

1. In a parachute having a hood and a seat member, a rigid sectional frame ring, radial rods extending from said frame, said rods having tubular guides at their ends, and cords connecting said seat member and hood, said cords passing through said guides whereby they are held distended.

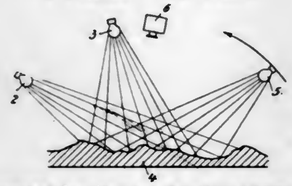


2,151,816
MOUNT FOR ELECTRON DISCHARGE DEVICES
Charles P. Vogel, Millburn, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 27, 1937, Serial No. 171,243
4 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope having a tubular portion, a mount comprising an electrode assembly positioned in said envelope and extending within the tubular portion, a ceramic spacer secured to said mount to extend transversely of the tubular portion of the envelope for spacing and supporting the electrodes of the mount, and spacers of resilient sheet insulation mounted on said ceramic spacer and secured to the outer portions of said ceramic spacer and extending between said spacer and the envelope and in contact with the walls of the envelope to resiliently support the end of the mount in a predetermined position within the envelope.

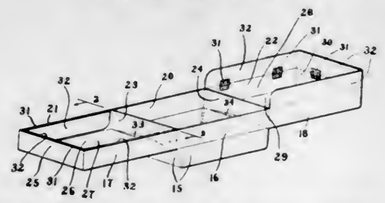
2,151,817
PROCESS FOR THE PRODUCTION OF PLANE PHOTOGRAPHS HAVING PLASTIC OR RELIEF EFFECTS
Karl Wenschow, Munich, Germany
Application September 22, 1937, Serial No. 165,074
In Germany October 5, 1936
2 Claims. (Cl. 95—5)



1. A process for the production of plane photographs from an opaque relief map carrying signs and letters on its surface, which process includes the steps of illuminating said relief by a strong radiation directed obliquely to the surface on which the relief is built up, and simultaneously

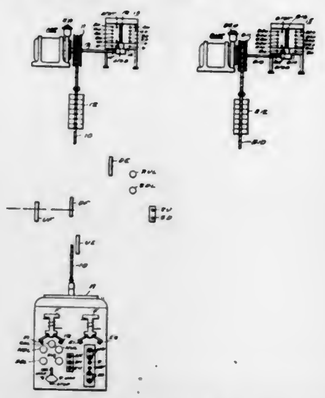
by a weaker radiation from a direction oblique to said surface at an inclination substantially opposite to said first stronger radiation, the intensity of said weaker radiation being just sufficient to render the letters and signs on those portions of the relief surface recognizable which are not reached by said first radiation, and photographing the relief so illuminated.

2,151,818
KITCHEN SINK
Therasa Westenkirchner, Toledo, Ohio
Application November 30, 1937, Serial No. 177,173
1 Claim. (Cl. 4—187)



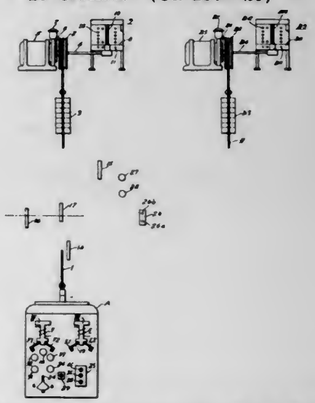
A kitchen sink having end compartments, and foldable walls hingedly engaged on the upper edges of the outer walls of said compartments to stand vertically when erect and fold inwardly closely adjacent said inner walls when folded thereagainst.

2,151,819
ELEVATOR CONTROL SYSTEM
Harold W. Williams and Richard W. Jones, Chicago, Ill., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1936, Serial No. 57,558
25 Claims. (Cl. 187—29)



1. In a system for operating a plurality of elevator cars between top and bottom terminals past a plurality of floors, in combination, control means for each of said floors, means responsive to the operation of a control means at a floor for immediately assigning a stop call for the corresponding floor to a selected one of said cars, dispatching means for providing signals to control the departure of said cars from one of said terminals, and means responsive to operation of said dispatching means in providing a predetermined signal to one of said cars for thereafter preventing the assignment of stop calls to the signalled one of said cars.

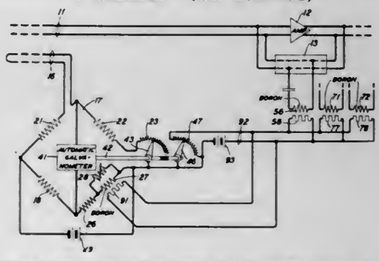
2,151,820
ELEVATOR CONTROL SYSTEM
Harold W. Williams, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application January 9, 1937, Serial No. 119,795
13 Claims. (Cl. 187—29)



2. In an impulsing mechanism for a dispatcher for a group of elevator cars operable past a plurality of floors in which calls from floors are assignable to individual cars for response, the combination of means to cause an operation of said dispatcher a predetermined time after a first car leaves a predetermined floor to thereby dispatch another car to leave, means responsive to a predetermined number of calls from floors assigned to said other car for operating said dispatcher earlier, and means for causing the next operation to occur said predetermined time after said other car leaves said predetermined floor.

3. In a quota mechanism for an elevator car operable past a plurality of floors; means for registering calls for service for said car at each of said floors comprising a call registering relay associated with each of said floors; means for preventing more than a predetermined number of calls being registered for said car, said means comprising a quota relay and a plurality of parallel-connected energizing circuits for said quota relay, each of said energizing circuits including a resistor and a contact of one of the call registering relays.

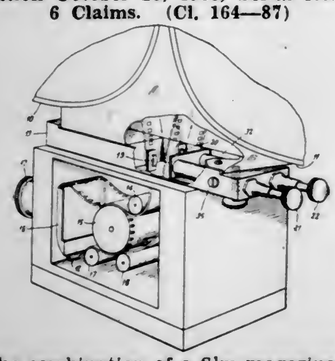
2,151,821
TRANSMISSION REGULATION
Ira G. Wilson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1937, Serial No. 142,831
7 Claims. (Cl. 178—44)



7. In a transmission regulating system, a thermo-sensitive transmission regulating element, means including a local source of heating cur-

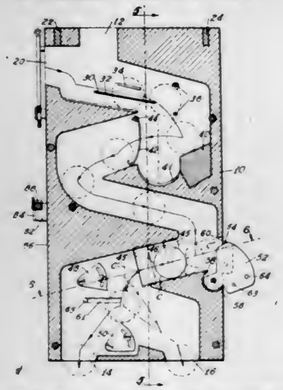
rent for controlling the temperature of said element, means for compensating for the effect on said element of variations in atmospheric temperature, said last-mentioned means comprising a second thermo-sensitive element effective to modify the operation of said first-mentioned means, both of said thermo-sensitive elements being exposed directly to the free atmosphere.

2,151,822
FILM MARKING DEVICE
Armstead C. Winchester, Hollywood, Calif., assignor to RKO Studios, Inc., a corporation of Delaware
Application October 16, 1935, Serial No. 45,220
6 Claims. (Cl. 164—87)



1. The combination of a film magazine, a motion picture camera, and a film marker provided with cooperative marking members interposed between said magazine and camera and with means operable to move one of said members through a spiral path relatively to the other of said members for removing film punchings from the film path.

2,151,823
COIN CHUTE
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application September 18, 1936, Serial No. 101,418
12 Claims. (Cl. 194—101)



1. A gravity type coin chute including a first magnetic testing means normally positioned to arrest certain coin elements in said chute and mounted for movement from said normal position to free coin elements arrested thereby, means in said chute providing a discharge opening adjacent said first testing means and through which coin elements freed as aforesaid normally pass out of the chute, means for effecting movement of said first testing means into and out of normal position, a second magnetic testing means spaced away from said first-mentioned testing means for selectively affecting the rate of movement of coin elements through said chute, ejecting means including a finger mounted for movement from a normal unobstructing position into the coin path in the chute to dislodge coin elements retained therein by said second testing means for continued movement of the dislodged element down the passage, means operably connecting said ejecting finger means with said means for moving the first testing means for ejecting operation with the latter, together with means positioned at a point in said chute below said second testing means for cooperation with the latter to selectively deflect coin elements descending from higher levels.

2,151,824
PENCIL ERASER TIP
Joseph McNulty, Bergenfield, N. J., assignor to Eagle Pencil Company, a corporation of Delaware
Application April 23, 1938, Serial No. 203,762
1 Claim. (Cl. 130—38)

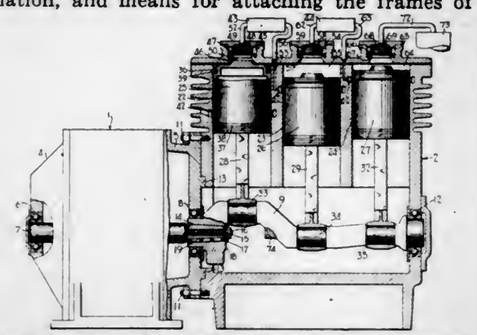


An eraser attachment for pencils comprising an integrally formed metal ferrule having a mounting end adapted to be telescoped over a pencil and an enlarged head generally elliptical in transverse cross-section with its major axis approximately twice the length of its minor axis, a cylindroidal eraser snugly fitting in said enlarged portion of the ferrule, said ferrule presenting a pair of seating shoulders for said eraser at the junction between the widest portions thereof and said mounting portion thereof, the metal of said enlarged portion being bulged outward between the region of said seating shoulders.

2,151,825
FLUID COMPRESSOR
Burton S. Aikman, Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 15, 1936, Serial No. 105,634
7 Claims. (Cl. 308—22)

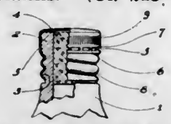
1. In a machine assembly, a driving unit and a driven unit, each having a frame and a rotatable shaft therein, each of said frames being provided with a bearing for receiving and supporting the remote ends of the respective shafts, and one of said frames having a bearing for receiving and supporting the adjacent end of the shaft constituting a part of the other unit, said shaft being arranged to receive and support the adjacent end of the shaft associated with the first unit, means

for coupling said shafts in power translating relation, and means for attaching the frames of



said two units in position to align said several bearings.

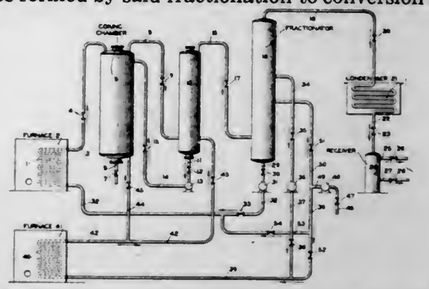
2,151,826
CONTAINER AND CLOSURE
Eli Frank Andersen, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1936, Serial No. 81,474
3 Claims. (Cl. 215—46)



2. A container having a neck portion comprising a cylindrical surface extending downwardly from the mouth end of the neck, an inwardly disposed shoulder adjoining said surface, and left hand screw threads immediately below said shoulder, in combination with a cup-like, rotatably severable shell of sheet metal having a depending skirt provided with a gripping surface extending from the closed end of said shell to a circumferential line of perforations adjacent said container shoulder, and below said line with rotatably indestructible threads engaging those of the container to secure said shell thereto and extending radially inward an appreciable distance with respect to the outer edge of said container shoulder, whereby the shell portion above said line of perforations is rotatably removable only by severance along said line, preferably by counterclockwise rotation, and the shell portion below said line is permanently locked to said neck by said shoulder.

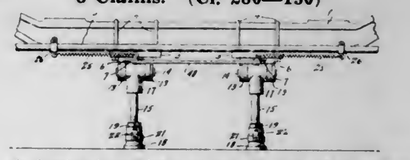
2,151,827
CONVERSION OF HYDROCARBON OILS
Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1935, Serial No. 56,592
4 Claims. (Cl. 196—48)

1. A process for the conversion of hydrocarbon oils, which comprises subjecting an oil of relatively high boiling characteristics to conversion conditions of cracking temperature and superatmospheric pressure in a heating zone, reducing the high boiling components of the resulting heated products to coke in a coking zone, introducing the heated vaporous products, including those resulting from the coking operation, into a separate reaction zone wherein they are subjected to appreciable continued conversion, withdrawing resultant high boiling liquid products from the reaction zone and returning the same, without additional heating, to the coking zone, separately withdrawing vaporous conversion products from said reaction zone and subjecting the same to fractionation, subjecting fractionated vapors of the desired end boiling point to condensation, recovering the resulting distillate, returning high boiling fractions of reflux condensate formed by said fractionation to conversion in



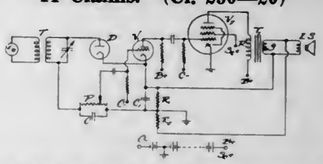
the heating zone, separately subjecting selected low boiling fractions of the reflux condensate to independently controlled conversion conditions at higher cracking temperature in a separate heating zone, and introducing regulated quantities of the resulting highly heated products into the reaction zone wherein they commingle with the vaporous products from the coking zone and assist their further conversion.

2,151,828
PARKING DEVICE FOR AUTOMOBILES
John L. Barr, Chevy Chase, Md.
Original application August 20, 1932, Serial No. 629,691. Divided and this application April 14, 1936, Serial No. 74,385. Renewed August 17, 1938
8 Claims. (Cl. 280—150)



1. A device to relieve at least part of the weight on the steering wheels of a vehicle comprising a plurality of elevating means, pivots between each means and the vehicle, and means for rotating each pivot to cause the plane of swing of each elevating means to approximately parallel the planes of the steering wheels when they are cramped.

2,151,829
VALVE AMPLIFYING CIRCUIT
Loy E. Barton, Collingswood, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 24, 1937, Serial No. 155,553
In Great Britain August 4, 1936
11 Claims. (Cl. 250—20)



1. In a carrier wave receiving system, an audio amplifier channel including an input circuit, an

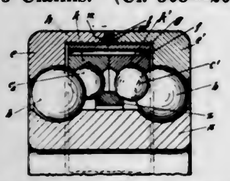
output circuit and an amplifier valve, a source of modulated signal energy, rectifier means for demodulating a carrier wave from said source, connections for supplying the audio demodulation products to the input circuit of the audio amplifier, and means for deriving a signal from said output circuit, and for supplying it to the input circuit of the audio amplifier and to the rectifier circuit to thereby control the amplification of the amplifier and to vary the effective degree of modulation of the audio signal.

2,151,830

RADIAL ANTIFRICTION BEARING

Paul Brühl, deceased, late of Berlin, Germany, by Margarete Brühl, nee Domnick, Berlin, Germany, sole heir

Application April 27, 1937, Serial No. 139,326
In Germany May 9, 1936
5 Claims. (Cl. 308—200)



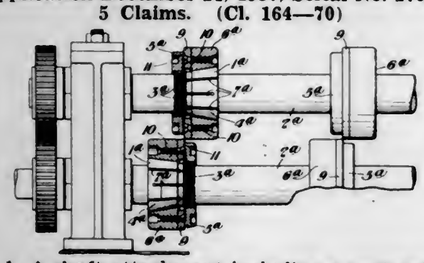
1. In a radial antifriction bearing, two rows of antifriction elements, a pair of outer-race members of hard metal, a spigot with a female thread on its inner side integral with and projecting inwardly from each member, and a sleeve of soft metal, and having a male thread on its outer side for the reception of the female threads in the spigots.

2,151,831

SHAFT ATTACHMENT

Dario Buccicone, Gary, Ind.

Application December 14, 1937, Serial No. 179,768
5 Claims. (Cl. 164—70)



1. A shaft attachment including a contractible sleeve for sliding on a shaft and having an outside providing threads and a taper extending toward said threads with a nut screwed on the latter and a ring sliding on the former and connecting with said nut, whereby screwing of said nut tightens or loosens said sleeve about a shaft, said sleeve being made of spring metal and being longitudinally slotted for a majority of its length alternately from opposite ends at a plurality of circumferentially spaced positions.

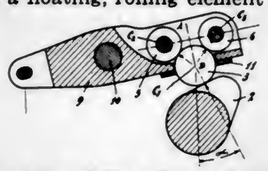
2,151,832

CAM MOTION TRANSMITTING DEVICE

Ettore Bugatti, Molsheim, France

Application September 16, 1935, Serial No. 40,831
In France September 21, 1934
7 Claims. (Cl. 74—569)

1. In a mechanical motion transmitting device having a cam controlled movable member and an actuating cam therefor, the combination of at least two spaced apart rollers, means for pivotally mounting said rollers on the movable member about substantially parallel, spaced apart axes, a floating, rolling element interposed



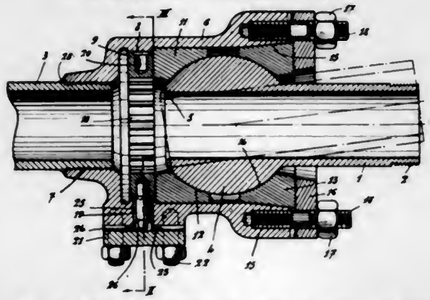
between the cam and the rollers, adapted in operation to have tangential rolling contact with said rollers, and means for retaining the rolling element in a floating position on the movable member in abutting relationship with said rollers, the said cam cooperating with said floating element.

2,151,833

BALL AND SOCKET JOINT

Ettore Bugatti, Molsheim, France

Application December 8, 1936, Serial No. 114,851
In France December 21, 1935
2 Claims. (Cl. 285—94)



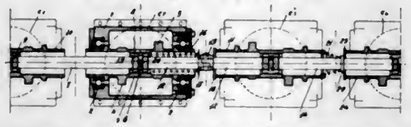
1. In a flexible coupling device for conduits, the combination of an internally screw-threaded socket for a ball, having in its wall an aperture opening in the screw-threaded part; an externally screw-threaded backing plate for said ball having a thickness larger than the aperture, positioned within the socket in operative engagement through its screwthreaded part with the screw-threaded part of the socket so as to fully cover said aperture, the plate having peripheral recesses spaced apart from the faces of the plate; and removable means attached to the socket for sealing the aperture on the outer side thereof.

2,151,834

DISTRIBUTION CONTROL MECHANISM

Ettore Bugatti, Molsheim, France

Application April 2, 1937, Serial No. 134,655
In France April 18, 1936
5 Claims. (Cl. 64—9)



1. In an engine having a plurality of cylinders, the combination of a hollow distribution shaft for each cylinder, internal teeth on the inner wall of each of said shafts in the intermediate part of the length thereof, respectively, a plurality of spindles, each adapted to interconnect two adjacent shafts, each of said spindles

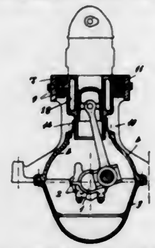
engaging in both of the shafts with which it cooperates with an important play, gears carried by the respective ends of each spindle, having each the same module and same number of teeth as the internal teeth of the corresponding shaft and meshing therewith with a slight play adapted to permit important angular relative displacements of the axes of the spindle and the corresponding shaft without interfering with the good working of the drive, all these spindles being disposed end to end, an abutment for the line of spindles thus formed, and elastic means and a stop for determining the position of one of said spindles.

2,151,835

RECIPROCATING PISTON ENGINE

Ettore Bugatti, Molsheim, France

Application April 2, 1937, Serial No. 134,656
In France April 18, 1936
12 Claims. (Cl. 123—192)



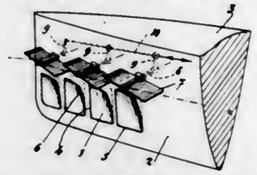
1. In a multi-cylinder machine having a rotary shaft and a supporting frame for said shaft, the combination of a cylinder; a piston reciprocably mounted in the barrel portion of the cylinder unit; means to operate the rotary shaft from the piston; and resilient means, adapted to enable bidirectional bodily movements of the cylinder unit in axial direction with respect to the frame, for attaching said cylinder unit to said frame.

2,151,836

BOAT

Ettore Bugatti, Molsheim, France

Application November 22, 1937, Serial No. 175,909
In France November 26, 1936
9 Claims. (Cl. 114—66.5)



1. In connection with a machine having a hull adapted to float on water, a system of elastic blades carried by the outside of said hull and the lower parts of which are fixed at the front to said hull and deviate therefrom rearwardly, so as to form a series of elastic lateral steps capable of yielding to the action of the shocks of waves, the upper parts of said blades being curved outwardly so as to end nearly horizontally, in such manner as to form supporting surfaces little inclined on the horizontal direction.

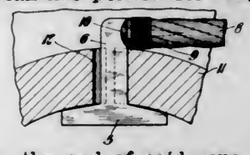
2,151,837

END FASTENING FOR WIRE ROPE

John Joseph Burke, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application August 30, 1937, Serial No. 161,704
8 Claims. (Cl. 24—115)

4. Means for attaching the end of a rope to a reel comprising a flat plate-like member having an enlarged base portion for detachable engagement with said reel and an upper extending part having a beak-like portion for longitudinal in-



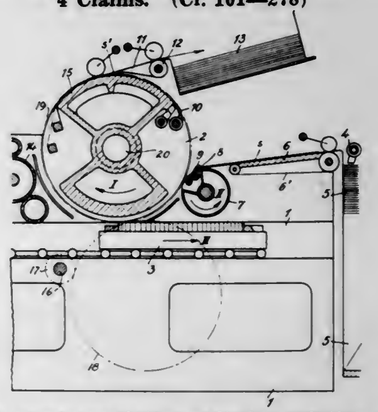
sertion into the end of said rope, and a wire wrapped around the rope adjacent the end thereof to securely seize and hold the same on said beak-like portion.

2,151,838

SINGLE-REVOLUTION CYLINDER PRINTING PRESS

Artur Büttner, Heidelberg, Germany, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany

Application February 26, 1937, Serial No. 128,000
In Germany February 26, 1936
4 Claims. (Cl. 101—278)



1. A single-revolution cylinder printing press comprising in combination, a continually rotating impression cylinder and a reciprocating form bed, a gear drive for rotating said cylinder in such direction that the printed sheets are delivered at the upper side of the impression cylinder, a feeding table, feeding means located near the lower side of said impression cylinder and arranged between the latter and said feeding table, said feeding means being adapted to transfer the sheet to be printed from said feeding table to said impression cylinder so that turning over of the printed sheet is avoided, means driven from said impression cylinder for intermittently driving said feeding means, and delivery means for conveying the printed sheet from the upper side of said impression cylinder to a delivery pile.

2,151,839

PROCESS OF PRODUCING RUBBER HYDROCHLORIDE

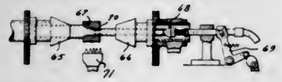
Giles B. Cooke, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

No Drawing. Application March 30, 1937. Serial No. 133,923
2 Claims. (Cl. 260—111)

1. The process of making rubber hydrochloride by reacting an organic acid chloride and an alcohol in the presence of a rubber solution which

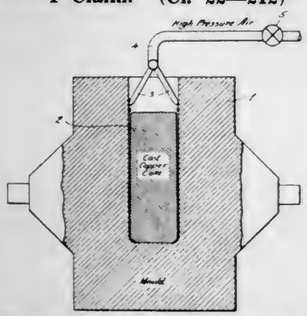
comprises dispersing the reagents in the rubber solution, reacting the reagents to form a uniform dispersion of hydrogen chloride in the solution, and reacting the hydrogen chloride as liberated, with the rubber.

2,151,840
METHOD AND APPARATUS FOR PRODUCING GLASS VESSELS
Jakob Dichter, Berlin-Schoneberg, Germany
Application January 24, 1935, Serial No. 3,244
In Germany January 26, 1934
5 Claims. (Cl. 49—7)



1. In a machine of the class described, means for heating one end of a tube of relatively large diameter, means for engaging a tool with the heated end of the tube to form a shoulder thereon and a reduced extension which projects beyond the shoulder, means for heating the free end of the reduced extension of the tube and the end of a tube of smaller diameter, means for engaging the end of the tube of smaller diameter with the reduced extension of the first mentioned tube, and means for blowing the joint between the two tube sections into engagement with a mold.

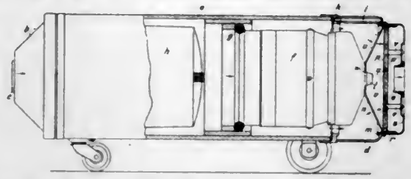
2,151,841
CASTING COPPER CAKES
Milburn Leo Dorris, Collinsville, Ill., assignor to Braden Copper Company, a corporation of Maine
Application April 29, 1937, Serial No. 139,648
1 Claim. (Cl. 22—212)



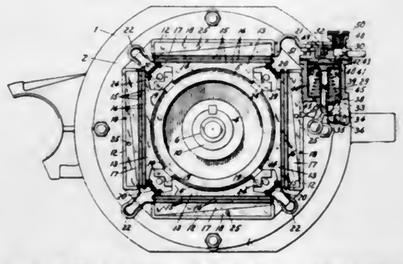
The improvement in casting copper cakes which comprises pouring molten copper into a suitable mold, and immediately after the metal has been completely poured, introducing a compressed cooling gas into the mold at a point adjacent the upper surface of the cake in order to form a surface crust on the solidifying cake through which the molten copper does not exude, thereby causing the said gas to pass downwardly between the inner walls of the mold and the adjacent faces of the solidifying copper cake as the cake contracts due to cooling.

2,151,842
VACUUM CLEANER
Ernst Faber, Stuttgart, Germany
Application November 17, 1937, Serial No. 175,121
In Germany November 25, 1936
1 Claim. (Cl. 183—35)

A vacuum cleaner, comprising an outer casing, a motor fan unit enclosed in the outer casing, an indiarubber ring lodged in the outer casing in front of the motor fan unit, the motor fan unit bearing against the indiarubber ring, and a detachable cap closing the casing at the rear end, the detachable cap being of such concave shape as to form directly an abutment bearing against the rear of the motor fan unit.



2,151,843
FRICTION BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 17, 1936, Serial No. 74,830
24 Claims. (Cl. 188—153)

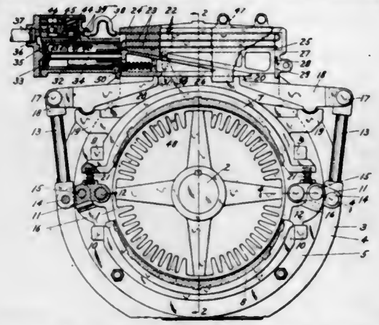


1. In a fluid pressure brake, in combination, a rotatable member to be braked, a plurality of brake elements arranged about said member and movable into braking engagement therewith, an expansible metallic tube associated with each of said elements responsive to fluid under pressure to apply pressure to the element to effect an application of the brakes, and means operative to simultaneously adjust the position of all of said elements relative to said member to compensate for wear of said elements to insure a substantially uniform movement of said element relative to said member in releasing each application of the brakes.

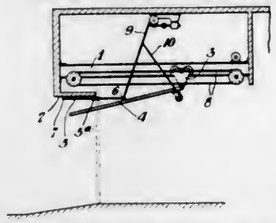
2,151,844
FRICTION BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 17, 1936, Serial No. 74,831
18 Claims. (Cl. 188—153)

1. In a fluid pressure brake apparatus, in combination, a rotatable member to be braked, a brake element adapted to engage said member, a stationary housing, mechanism operative in initiating an application of the brakes for moving said element into engagement with said member, an expansible metal tube adapted to be expanded by fluid under pressure after the application of the brakes is initiated for applying braking force to said mechanism and thereby to said element when the element is in engagement with said member, means operative automatically in initiating the application of the brakes for admitting fluid under pressure to said metal tube and

means included in said mechanism adapted to cooperate with said housing for preventing the transmission of pressure from said mechanism to said tube when the mechanism is operated.

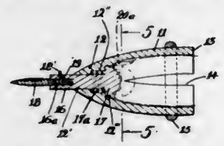


2,151,845
OVERHEAD DOOR
Chauncey Marsh Goodrich, Windsor, Ontario, Canada
Application January 21, 1937, Serial No. 121,655
4 Claims. (Cl. 20—19)



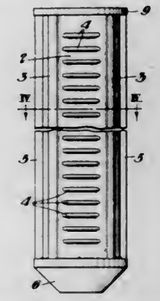
1. The combination of means adapted to travel laterally from a doorway for pivotally suspending a door for the same by its top and means of constant length for pivotally connecting the central portion of said door pivotally to a support on the opposite side of said doorway, respecting the traveling direction of the first named means, adjacent the level of the top of said door.

2,151,846
FINGER-FIT IMPLEMENT
Lillian L. Greneker, New York, N. Y.
Application November 6, 1934, Serial No. 751,791
5 Claims. (Cl. 81—1)



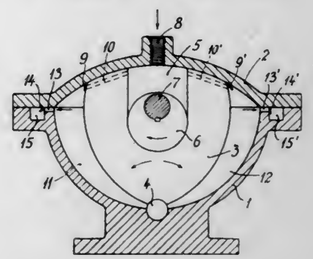
1. A finger thimble comprising a hollow body for the insertion of the finger tip and of substantially conical shape so that it may be adjustably turned around the finger tip and a plug member located in the tip end of the body along the axis thereof and having provision for supporting an instrument, said plug member extending into said body sufficiently to form a finger tip rest and the extreme inner end of said plug member being of less cross-sectional area than the remainder thereof to provide a recess for accommodating the finger nail.

2,151,847
METALLIC PILING
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 29, 1937, Serial No. 182,354
1 Claim. (Cl. 61—53)



A tubular metallic pile comprising a plurality of complementary arcuate sections welded together to provide a hollow chamber, said arcuate sections provided with spaced longitudinally arranged reinforcing corrugations and transverse corrugations between certain of said longitudinal corrugations, a piercing point welded to the bottom portion of said hollow chamber and an annular protective driving ring welded to the upper portion of said hollow chamber and positioned within the bore thereof and including a laterally extending flange extending over the top edge of said pile and terminating in substantial alignment with said corrugations whereby said pile withstands the impact of the blows during driving of said pile in position.

2,151,848
COMPRESSOR, PUMP, AND THE LIKE
Kurt Grünert, Bergen, Norway
Application February 19, 1938, Serial No. 191,543
In Norway February 19, 1937
1 Claim. (Cl. 230—159)



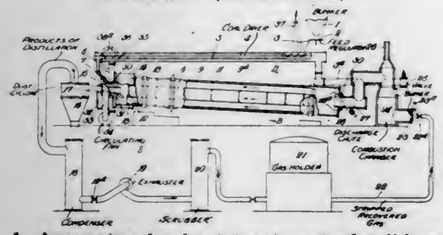
In a pump, a casing having curved inner walls, a double acting oscillating piston in said casing, said piston having curved pressure surfaces, the curvature of which corresponds to that of the inner wall of the casing, the piston having a central recess, the wall of the casing being provided with an inlet opening to the said recess of the piston, an eccentric in said recess, the piston having channels leading from the recess to the interior of the casing, suction valves for controlling the opening and closing of said channels, the casing walls having discharge channels extending outwardly from the inner part of the casing, and also having receiving channels and pressure valves connected with said discharge channels, for controlling the discharge channels.

2,151,849

DISTILLATION OF SOLID CARBONACEOUS MATERIALS AND APPARATUS THEREFOR

Richard Doughty Hardy, Clifford Machen, and Eric Harold George Aram, Westminster, London, England, assignors to British Coal Distillation Limited, London, England, a British company

Application April 6, 1936, Serial No. 73,040
In Great Britain March 20, 1936
2 Claims. (Cl. 202—131)



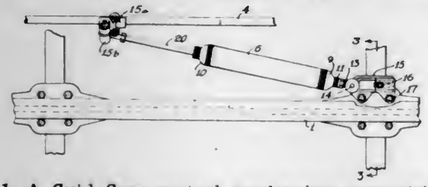
1. Apparatus for heat treatment of solid carbonaceous materials, comprising a rotary inclined retort, a plurality of tubes longitudinally disposed within the retort, said tubes terminating short of each end of the retort whereby a material charging chamber and a combined gas charging and material discharging chamber are formed at the upper and lower ends respectively of the retort, an annular gas discharging chamber concentrically surrounding the material charging chamber, said material charging chamber constituting a discharge chamber for the products of distillation and provided with a tube extending axially therefrom whereby the distillate leaves the retort, said tubes being spaced substantially from the wall of the retort and from each other to provide a number of longitudinal passages whereby the solid material may pass from said material charging chamber downwardly and around said tubes to said combined gas charging and material discharging chamber, the lower ends of said tubes being unobstructed and open to said combined gas charging and material discharging chamber, the upper ends of said tubes terminating in the material charging chamber but being closed from said chamber, passages extending from apertures adjacent the upper closed ends of said tube to said gas discharging chamber, and material lifters projecting inwardly from the wall of the retort into the passages between the tubes whereby the material passing therethrough is lifted and spilled over the tubes.

2,151,850

HYDRAULIC HAND

Gale H. Hedrick, Francis P. Myers, and Rawson E. Stark, Pittsburgh, Pa., assignors, by mesne assignments, to I. A. Simon, Pittsburgh, Pa.

Application June 26, 1936, Serial No. 87,580
14 Claims. (Cl. 280—90)



1. A fluid flow control mechanism comprising a stationary cylinder and a movable piston, the piston having a pair of valve elements cooperating with the walls of the cylinder to provide a substantially leak-proof fit, said elements being mounted for axial movement on the piston rod and being normally spaced apart to form a gap between said pair of elements, said elements having flow passages in angularly spaced relation, the passages of one element being in staggered relation to the passages of the other element, and means on the juxtaposed faces of said pair of valve elements to minimize the resistance to the flow of the fluid when said elements are being moved into contact.

2,151,851

STEERING STABILIZER

Merton B. Briggs, Pittsburgh, Pa., assignor to I. A. Simon, Pittsburgh, Pa.

Application May 17, 1937, Serial No. 143,157
5 Claims. (Cl. 280—90)



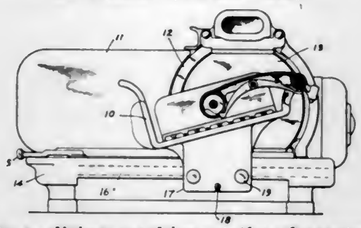
1. A steering stabilizer comprising a cylinder, a piston rod movable therein having a piston head including valve means, and a packing through which the piston rod reciprocates disposed within the cylinder and forming an end wall of a working chamber therein, said packing including a layer of compressible material, a backing plate, held against bodily movement outwardly of the cylinder and a movable plate on the chamber side thereof and held against bodily movement inwardly of the cylinder, said last named plate being movable when said valve means lock and are moved in the direction of the plate, such movement of the plate being effective to compress and expand the compressible material laterally to seal the chamber.

2,151,852

FOOD HANDLING APPARATUS

Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application February 23, 1934, Serial No. 712,579
10 Claims. (Cl. 146—102)



1. In a slicing machine of the character described the combination of a base, a rotary knife, a carriage for supporting the work material, means for mounting said carriage for movement past said knife, a pusher plate, means for pivotally supporting said pusher plate in said carriage to provide for movement thereof from an operative position in engagement with the work material to an inoperative position out of engagement therewith, means effective throughout substantially the range of pivotal movement of the pusher plate for yieldingly resisting pivotal movement of said pusher plate in either direction from a predetermined adjusted position, and operable means carried by said pusher plate supporting means and under the control of the operator during the slicing operation for selectively releasing said resisting means, to permit of free movement of said pusher plate, and restoring the action thereof.

2,151,853

INTERNAL COMBUSTION ENGINE

Charley Jonville, Neuville-en-Ferrain, and Paul Ferlay, Paris, France

Application March 17, 1938, Serial No. 196,508
In Belgium March 22, 1937
7 Claims. (Cl. 123—78)



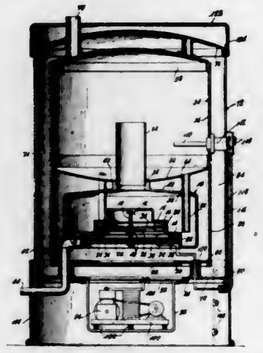
1. An internal combustion engine including a piston and a crankshaft, a connecting rod interposed between these two parts, an eccentric interposed between one of these two first mentioned parts and said connecting rod, a cam coupled with said eccentric, a push piece carried by said connecting rod adapted to cooperate with said cam, and spring means for urging said push piece toward a predetermined position with respect to said connecting rod.

2,151,854

LIQUID HEATER AND VAPORIZER

Joseph Henry Knapp, Utica, N. Y., assignor, by direct and mesne assignments, of nine and eight-tenths per cent to Helen Elizabeth Redmond, fourteen and seven-tenths per cent to John F. Grimmer, and twenty-four and one-half per cent to Thomas C. Redmond, all of Utica, N. Y.

Application December 30, 1937, Serial No. 182,568
13 Claims. (Cl. 219—39)



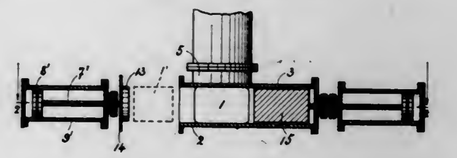
1. A liquid heater and vaporizer adapted for use with a hot liquid storage tank comprising a liquid chamber having cool liquid inlets and a hot liquid outlet in the top thereof adapted to be brought into communication with a storage tank, a recess in the bottom of said chamber, a plurality of electric heating units in said recess and in contact with the wall thereof, a plate substantially closing the mouth of said recess, and a cold liquid inlet at the bottom of said chamber adapted to discharge cold liquid against the walls of said recess.

2,151,855

COMPRESSOR FOR CARBON DIOXIDE SNOW

Josef Kobold, Esslingen-on-the-Neckar, Germany, assignor to Maschinenfabrik Esslingen, Esslingen-on-the-Neckar, Germany

Original application March 12, 1935, Serial No. 10,610. Divided and this application September 21, 1937, Serial No. 164,916. In Germany March 23, 1934
5 Claims. (Cl. 62—121)



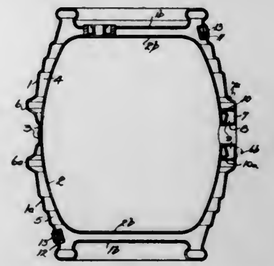
1. An apparatus for compressing carbon dioxide snow into blocks of dry ice comprising a central compression chamber, a loading chamber adjacent to and communicating with said central compression chamber, lateral extension chambers being in line, adjacent to, and communicating with said central chamber, a compression piston in said loading chamber and in each of said extension chambers, and an operating mechanism associated with each of said pistons adapted to move said pistons toward and from said central chamber.

2,151,856

COOLING SYSTEM FOR METAL BARRELS

Edward F. Lee, Detroit, Mich.

Application October 26, 1936, Serial No. 107,537
3 Claims. (Cl. 220—13)



1. A combined shipping, cooling and dispensing container comprising an inner shell and an outer shell spaced from one another, the outer shell being connected to the inner shell intermediately of its length around its entire periphery thereby dividing the space enclosed between the shells into two separate compartments, said outer shell having an inlet opening into one chamber and an outlet opening into the other chamber, a plate mounted marginally and exteriorly upon the outer shell and extending across its connection with the inner shell to define a closed compartment between said plate and said outer shell, and said outer shell being apertured to provide passage from each chamber into said compartment to permit a flow of cooling liquid from the inlet to the outlet.

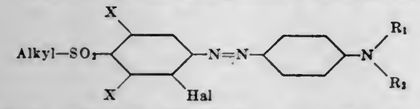
2,151,857

WATER INSOLUBLE AZO DYESTUFF

Gottfried Manz, Cologne-Mulheim, and Werner Zerweck and Wilhelm Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 26, 1936, Serial No. 71,046. In Germany April 4, 1935
2 Claims. (Cl. 260—205)

1. Water-insoluble azodyestuffs of the formula:



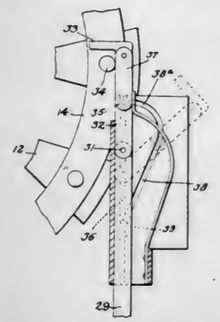
wherein either X stands for a member of the group consisting of hydrogen and halogen, at least one X being hydrogen, and R_1 and R_2 stand for a member of the group consisting of lower alkyl and lower hydroxy alkyl radicals, which dyestuffs yield on cellulose acetate silk reddish shades of particularly good fastness properties.

2,151,858

SAFETY RAZOR VENDING MACHINE

Joseph Masip, Arthur Gandon, and Jesus Soler, New York, N. Y.

Application November 1, 1935, Serial No. 47,868
1 Claim. (Cl. 74—151)



In a merchandise vending machine, a merchandise feeding wheel, a slide, said merchandise feeding wheel being provided on one side thereof with a circular series of laterally projecting pins, a slidably mounted bar adjacent said wheel, a dog carried by the bar for successively engaging the pins to transmit movement of the wheel for step by step rotation of the wheel, guide means for said dog including inter-engaging means on the dog and said guide whereby the dog is constrained to move vertically downwardly in a fixed path and to move upwardly first in a path radially away from said wheel and then in a path radially toward the wheel and motion transmitting means connecting the slide with said dog.

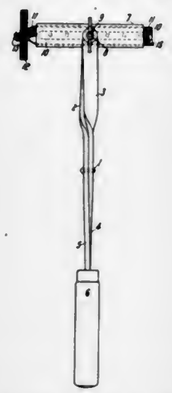
2,151,859

DEVICE FOR USE IN WAVING OR CURLING HAIR

William Reid McConkie, Irvine, Ayrshire, Scotland

Application April 16, 1938, Serial No. 202,371
In Great Britain June 30, 1937
1 Claim. (Cl. 132—36)

A portable self-contained and manually operable device for use in waving or curling hair comprising a pair of tongs having distal and proximal limbs, an elongated heating iron comprising complementary elements each of arcuate internal section and each carried by a distal limb, a screw-



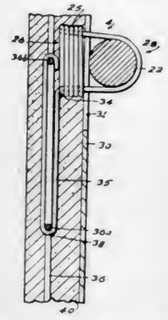
threaded pin projecting laterally from each distal limb and engaging one of said elements, said elements being each angularly adjustable on its respective pin, and a wing nut applied to each pin and adapted to lock the respective element in its position of angular adjustment.

2,151,860

BUILDING CONSTRUCTION

Arthur M. McLellan, Los Angeles, Calif., assignor to McLellan Steel Development Corporation, a corporation of Nevada

Application April 5, 1937, Serial No. 135,118
3 Claims. (Cl. 72—118)



1. In a device of the class described, a wire coiled to form a relatively rigid sleeve, thence passing inwardly thru the sleeve and there forming an elongated U-shaped loop.

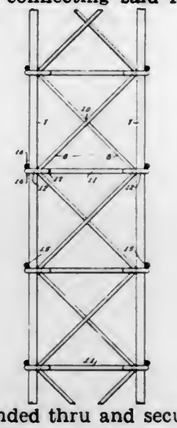
2,151,861

GIRDER

Arthur M. McLellan, Los Angeles, Calif., assignor to McLellan Steel Development Corporation, a corporation of Nevada

Application September 24, 1937, Serial No. 165,438
17 Claims. (Cl. 189—34)

1. In a girder, a pair of spaced parallel rods, transverse links connecting said rods, each link comprising a rod having each end bent into a loop with each loop encompassing the corresponding part of the corresponding rod, and diagonal braces connecting said rods and having



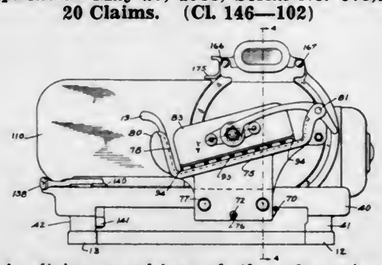
each end extended thru and secured by the corresponding loop.

2,151,862

FOOD HANDLING APPARATUS

David A. Meeker and John C. Slager, Troy, Ohio, assignors to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application May 29, 1933, Serial No. 673,444
20 Claims. (Cl. 146—102)



1. A slicing machine of the character described adapted to rest upon the surface of a supporting member comprising an imperforate base member, said base member having a rigid peripheral flange extending around the outside thereof and adapted to contact a supporting surface in sealing and part supporting relation thereto, and supporting members for the base comprising a plurality of resilient members adapted to support a portion of the weight of the machine and having a greater coefficient of friction than said base material to provide resistance to slipping and so constructed as to deform to permit said flange to rest in sealing and part-supporting relation on the supporting surface.

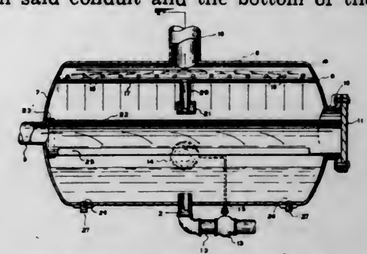
2,151,863

VAPOR-LIQUID SEPARATOR

Raymond B. Millard, Tulsa, Okla.

Application June 15, 1937, Serial No. 148,391
4 Claims. (Cl. 183—2.7)

1. A vapor-liquid separator comprising a horizontally arranged elongated tank, a vapor-liquid inlet pipe connected to one end thereof, a liquid discharge pipe leading from the lower portion of said tank, and a vapor discharge pipe leading from the upper portion thereof, a conduit of considerably larger diameter than said inlet pipe, forming a primary separating chamber and extending longitudinally through the central portion of said tank and arranged to receive fluids discharged from said vapor-liquid inlet pipe, a wide downwardly directed port in said conduit extending throughout substantially the entire length of said conduit, the space in said tank between said conduit and the bottom of the tank



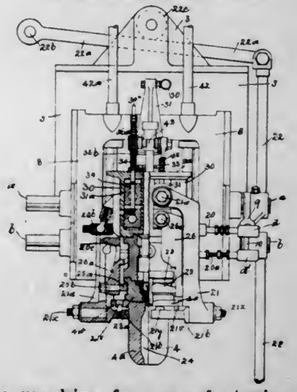
being unobstructed, and a discharge manifold extending longitudinally across the upper portion of said tank above the conduit, communicating with said vapor discharge pipe, and having spaced openings substantially throughout its length for the passage of vapors therethrough.

2,151,864

MACHINE FOR THE MANUFACTURE OF GLASS BOTTLES

William Bell Mitchell, Cross Banks, Shipley, England

Application November 20, 1935, Serial No. 50,652
In Great Britain November 30, 1934
4 Claims. (Cl. 49—5)



1. In a machine for manufacturing glass bottles, a vertically slidable head, a parison mold having separable parts, and floating means for pressing said parts tightly together to close the mold, said means comprising a horizontal rock shaft mounted on said head for limited axial movement, and mechanism actuated by rocking movement of said shaft to move said mold parts together to close the mold, said mold and mechanism being horizontally movable as a unit with said shaft relatively to said head so as to be self-centering with respect thereto.

2,151,865

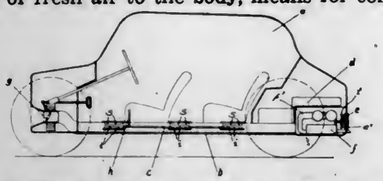
HEATING DEVICE FOR MOTORCARS

Fritz Nallinger, Stuttgart, Germany, assignor to Daimler-Benz, Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany

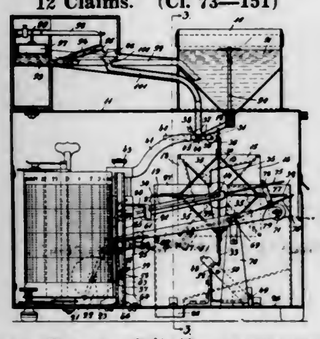
Application August 20, 1934, Serial No. 740,656
In Germany July 24, 1933
1 Claim. (Cl. 237—12.3)

In a motor car, the combination of a central tubular frame member, a car body and an engine

at the rear of the car body, said tubular frame member being in open communication with the car body, of a valve at the front end of the tubular frame member for controlling the admission of fresh air to the body, means for conveying a heating medium past the engine through said tubular frame member for heating the car body and regulating means for controlling the flow of heating medium through the tubular frame member.



2,151,866
RECORDING PRECIPITATION GAUGE
Olof Fabian Nilsson, Stockholm, Sweden
Application December 30, 1936, Serial No. 118,387
In Sweden January 4, 1936
12 Claims. (Cl. 73—151)



6. A recording precipitation gauge comprising in combination a balance beam, a weight supported at one end of said balance beam, a bucket wheel supported for rotation about a horizontal axis at the other end of said balance beam, a precipitation collecting funnel adapted to discharge into said bucket wheel, a stop wheel having a number of radial arms corresponding to the number of buckets of the bucket wheel, said stop wheel being fixedly united with said bucket wheel coaxially therewith, a stationary stop abutment, said stop abutment being positioned so as to normally engage with the end of one arm of said stop wheel and to be released therefrom on the lowering of said stop wheel a predetermined distance thereby permitting said bucket wheel to rotate discharging its contents and bringing another one of its buckets into precipitation receiving position, said bucket wheel being held in said new position by another arm of said stop wheel, a recording pen movable under control of said balance beam, and a record strip movable at a uniform speed in contact with said recording pen transversely of the direction of movement thereof.

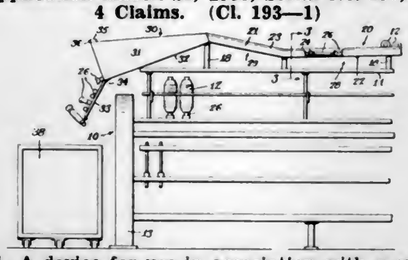
2,151,867
CLASP FOR GARMENT SUPPORTERS
John Robie Parker, Toronto, Ontario, Canada, assignor to Fred Page Higgins, Toronto, Ontario, Canada
Application March 1, 1937, Serial No. 128,500
4 Claims. (Cl. 24—245)

1. A clasp for a garment supporter comprising a rigid member having an elongated button opening formed therein, said opening being reduced in width from opposite sides thereof from a point intermediate of its length to the lower end thereof, the walls of the opening at the point of reduction providing interior opposed lateral shoulders, and a flexible member having an integral



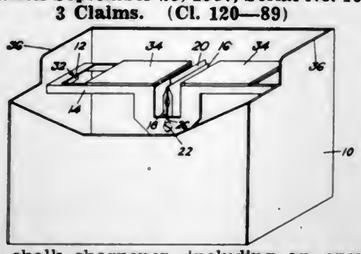
elongated button adapted to interlock with said rigid member within the lower reduced portion of the opening therein, said button being grooved along opposite side edges to provide opposed lateral shoulders adapted to cooperate with the first mentioned shoulders.

2,151,868
COMBINED GUIDEWAY, STORAGE, AND DELIVERY DEVICE FOR BOBBINS
Gabriel Porfido, Taunton, Mass.
Application March 21, 1938, Serial No. 197,084
4 Claims. (Cl. 193—1)



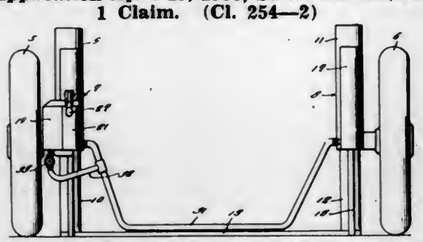
1. A device for use in association with a spinning frame, said device having two channel members, each said channel member comprising an outer side, a bottom and an inner side, a receiving receptacle one portion of which has an opening, said channel members being in communication with said receptacle at said opening, said receptacle having a bottom slanting downwardly and outwardly, and a gate mounted on said receptacle, and means adapted to hold said gate in closed position and to permit said gate to be opened as desired.

2,151,869
TAILOR'S CHALK SHARPENER WITH REPLACEABLE BLADE
Vincent Rago, Chicago, Ill.
Application September 29, 1937, Serial No. 166,349
3 Claims. (Cl. 120—89)



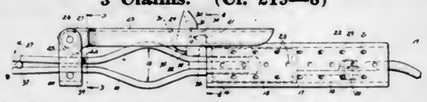
1. A chalk sharpener, including an open-top casing, a framework therein bridged from one end of the casing to the other, a sharpening blade positioned in the center of said framework, operating platforms adjacent the blade, said platforms being foreshortened to leave openings in and around the blade and framework for automatically dropping scrapings to the bottom of the casing.

2,151,870
TRAILER
Philip H. Raven, Goshen, Calif.
Application April 19, 1938, Serial No. 202,969
1 Claim. (Cl. 254—2)



A device of the class described comprising a pair of supporting structures, an outwardly extending spindle carried by each structure, a wheel on each spindle, a vertically arranged guiding member carried by each structure, a vertically arranged plunger movable in each guiding member, a cross bar connecting the lower ends of the plungers together, a vertically arranged cylinder carried by each structure, a piston in each cylinder, a rod depending from each piston and having its lower end connected with the lower end of the adjacent plunger, a reservoir carried by one structure, a pump cylinder carried by the last-mentioned structure, a conduit connecting the reservoir with the lower end of the pump cylinder, a check valve controlling the conduit, a second conduit connecting the lower end of the pump cylinder with the lower end of the adjacent first mentioned cylinder, a check valve in said second conduit, a third conduit connecting the second conduit with the lower end of the cylinder of the other structure, a return conduit connecting the third conduit adjacent that end which is connected with the pump carrying structure to the reservoir, a manually actuated valve in the return conduit, a piston in the pump cylinder and means for reciprocating the same.

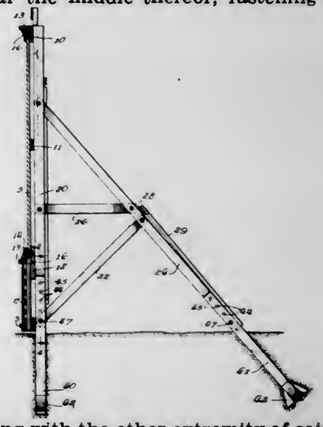
2,151,871
WELDING ELECTRODE HOLDER
Ernest Riemenschneider, Lakewood, and Martin G. Fettel, Cleveland, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application October 28, 1937, Serial No. 171,426
3 Claims. (Cl. 219—8)



1. An electrode holder comprising a pair of jaws fixed at one end and having their other ends normally sprung apart by their inherent spring tendencies, a cam handle connected to one jaw and bearing against the other to close the same against their spring tendencies, a latch adapted to be engaged with said handle when it is swung to close said jaws, said latch having a trip engageable with said handle in closing to move the latch over the handle, and the spring tendencies of said jaws at all times urging said handle away from said latch and jaw against which it bears.

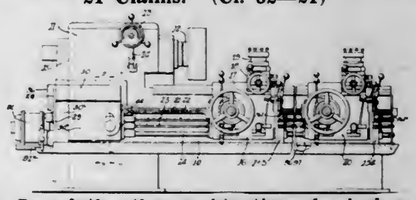
2,151,872
PREFABRICATED BILLBOARD
Max Rosner, Chicago, Ill., assignor to General Outdoor Advertising Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1938, Serial No. 210,373
1 Claim. (Cl. 40—125)

A prefabricated billboard supporting structure comprising a billboard supporting post, a back brace, a front anchor, a rear anchor, a plurality of fastening means on each of said anchors adapted to cooperate with the lower extremities of said post and back brace respectively, a horizontal brace, fastening means cooperating with said horizontal brace and said back brace at a point near the middle thereof, fastening means



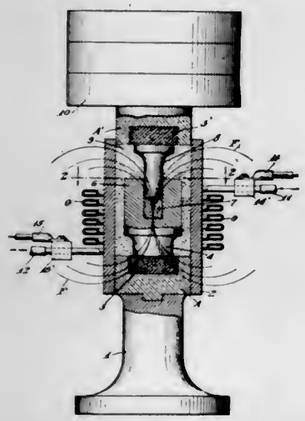
cooperating with the other extremity of said horizontal brace and said post at a point near the middle thereof, a diagonal brace, fastening means cooperating with said diagonal brace and said back brace at a point near the middle thereof, and fastening means cooperating with the other extremity of said diagonal brace, with the lower extremity of said supporting post, and with one of the fastening means of said front anchors.

2,151,873
MACHINE TOOL
Werner Irving Senger, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application January 13, 1937, Serial No. 120,343
21 Claims. (Cl. 82—21)



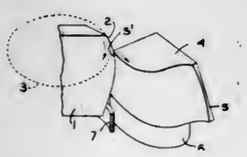
1. In a lathe, the combination of a bed, a rotatable work spindle, a plurality of spaced tool supports each carried on said bed and each independently movable relative to said spindle, a spindle transmission, and transmission and control mechanism for said tool supports including a plurality of adjustable rate changers each driven through said spindle transmission and respectively individual to the different supports, power operable shifter devices respectively for adjustment of different of said rate changers, controller devices respectively for controlling power connection to different of said shifter devices, a plurality of adjustable rate selector devices respectively independently movable with the different supports, and motion transmitting connections respectively from the different selector devices for effecting adjustment of the different controller devices in accordance with the adjustment of the connected selector device.

2,151,874
METHOD OF MAKING WIRE DRAWING DIES AND OTHER ARTICLES
Leon Simons, Bronx, N. Y., assignor to Master Wire Die Corp., New York, N. Y., a corporation of New York
Application August 7, 1935, Serial No. 35,039
Renewed August 22, 1938
5 Claims. (Cl. 75—137)



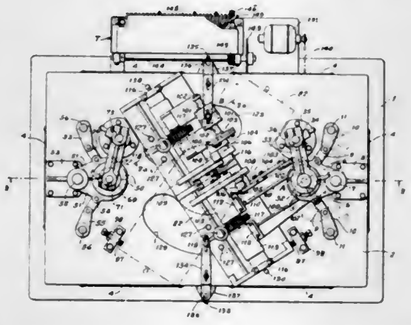
1. A method of connecting a mass of oxidizable refractory particles to each other so as to form a coherent mass, said particles containing a major proportion of carbide material and having a minor proportion of a metallic binder which has a lower melting point than said carbide material, which consists in subjecting said particles while they are enclosed in a container made of conducting material, to the heating effect of a varying electro-magnetic flux which is caused to induce a secondary voltage having a closed circuit within said conducting material and said particles, said mass being heated to a temperature which is at least substantially equal to the fusion temperature of said refractory particles so that the heated particles can be shaped under pressure and the volume of said mass can be diminished under pressure, and while subjecting said heated particles to pressure while they are enclosed in said container during a sufficient part of said period of heating so as to form a coherent mass of smaller volume than the original mass of said particles, and while preventing any substantial oxidation of said particles during the formation of said coherent mass.

2,151,875
METHOD OF TURNING WOOD HEELS
Augustus M. Sosa, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio
Application November 14, 1936, Serial No. 110,792
13 Claims. (Cl. 12—147)



1. A method of shaping the contoured side and back faces of a rough block comprising initiating a plurality of forming cuts at the back face of a heel block, and ending the cuts at the breast face of the block, and executing each cut by rotating the block about a heightwise axis while in cutting relation to a rotating cutter, such rotation of the block being in a direction opposite to that of the cutter for the length of each forming cut from said back face of the block to the breast face.

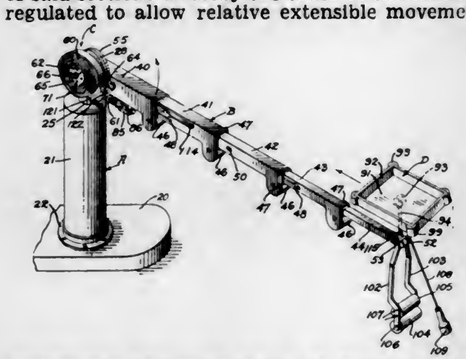
2,151,876
APPARATUS FOR FORMING GLASSWARE
Harold A. Wadman, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application January 18, 1934, Serial No. 707,060
10 Claims. (Cl. 49—9)



5. Apparatus for forming hollow glassware, comprising a blank mold mounted in permanently inverted position, a blow mold spaced from said blank mold and mounted in permanent neck-up position, said blank mold and said blow mold being fixed relative to each other, duplex transfer and inverting means interposed between said blank mold and said blow mold, which are arranged to transfer glass parisons from said blank mold to said blow mold through different laterally spaced indirect paths and during at least a portion of such transfer movement to invert parisons held thereby, a neck ring carried by each of said transfer means and cooperable alternately with said blank mold for forming the neck portion of a parison and thereafter for supporting the parison by the neck thus formed during the transfer, means for operating each of said transfer means to cause it to move successively to at least three positions in one of which the neck ring is in cooperative relation with and below the blank mold, in a second of which the neck ring has been inverted and is at an intermediate position so that a parison held therein is out of registry with either of said molds, and in the third of which a parison held in the neck ring will be positioned so as to be enclosed by the blow mold, and means for independently opening and closing each of said neck rings.

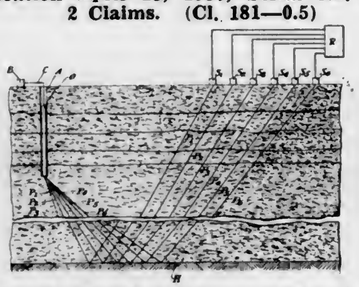
2,151,877
DISPLAY APPARATUS
Clinton L. Walker, Piedmont, Calif.
Application November 20, 1935, Serial No. 50,799
4 Claims. (Cl. 248—123)

4. In a display apparatus the combination of a base, an arm hinged to said base, said arm comprising a plurality of short sections telescoped within each other and adapted to be extended, latch means controlling the order of extension of said sections whereby the order of extension is regulated to allow relative extensible movement



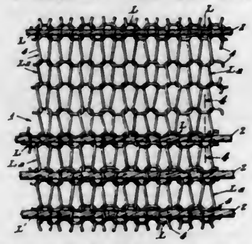
successively beginning with the section nearest the base.

2,151,878
SEISMIC SURVEYING
Benjamin B. Weatherby, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application April 15, 1937, Serial No. 137,013
2 Claims. (Cl. 181—0.5)



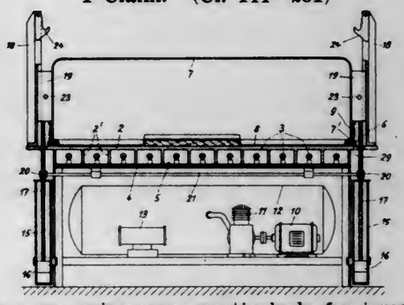
1. In the method of seismic surveying by correlation of reflection records, produced by detonation of explosive charges in bore holes in an area characterized by a surface layer composed of different types of earth strata, the procedure which comprises arranging in a bore hole in such layer an explosive charge extending into at least two different strata, detonating said charge substantially instantaneously, receiving reflected seismic waves thus produced at a plurality of points differently spaced from the mouth of the bore hole and making records of the waves received at said points.

2,151,879
KNITTED FABRIC AND METHOD OF MAKING THE SAME
Max Weber, Brooklyn, N. Y., assignor to Textile Specialty Corporation, New York, N. Y., a corporation of New York
Application December 14, 1937, Serial No. 179,629
3 Claims. (Cl. 66—190)



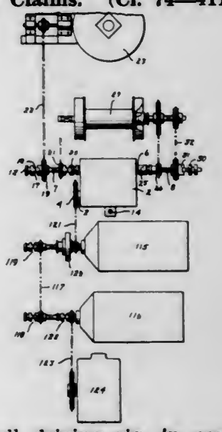
1. A tubular blank of knitted fabric comprising series of courses, each series comprising a plurality of helical courses, a yarn laid into the fabric continuously along one of said series of courses and engaged by the loops thereof, one of said series of courses being adapted for removal throughout the blank to separate the blank into a continuous strip of fabric.

2,151,880
VENEERING PRESS
Hans Wiederkehr, Wohlen, Switzerland, assignor to the Firm Fischer & Süffert, Basel, Switzerland, a company in copartnership of Switzerland
Application March 23, 1937, Serial No. 132,650
In Switzerland July 31, 1936
1 Claim. (Cl. 144—281)



In a veneering press particularly for irregular surfaces and in combination, a stand, a plate with upright border walls carried by said stand, a table plate supported by said border walls and provided with heating cells, a grooved ledge surrounding the borders of said table and forming vents between it and the plate, a hood having its edges fitting into said ledge, a flexible impermeable cloth held fast between said edges and the ledge, and means for raising and lowering said hood, said means comprising vertical guide rails, fast to the table plate, guide pieces fitting said guide rails and fast to the hood, vertical pneumatic cylinders open at the top and cooperating pistons with rods attached to said guide pieces.

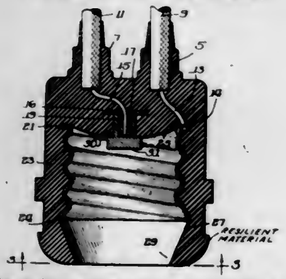
2,151,881
DRILLING RIG TRANSMISSION
John Hart Wilson, Wichita Falls, Tex.
Application June 17, 1935, Serial No. 26,980
6 Claims. (Cl. 74—411)



1. In a well driving rig, in combination, an elongated horizontally disposed work or output shaft, two fixed bearings supporting the shaft for rotation, said bearings being spaced apart a suffi-

cient distance to permit the shaft to flex therebetween when subjected to a force applied normally to the shaft, a member mounted upon the shaft between and spaced from each of said bearings, the shaft and member being relatively revoluble about the axis of the shaft, a device connecting a portion of said member remote from said shaft to a fixed object and whereby the angular movement of the member about the shaft is limited and cushioned without interfering with the movement of said member with the shaft when the shaft flexes, an element rotatably mounted on said member and spaced from said shaft, said element being adapted to be flexibly connected to a source of power so as to remain operative for all positions of said member, means for operatively connecting said element to said shaft whereby the shaft may be driven, means mounted on the shaft adapted to be flexibly connected to a device to be operated, and clutch mechanism for operatively connecting said last mentioned means to and disconnecting it from said shaft, the arrangement being such that shocks resulting from the loading of the shaft while rotating will be minimized and cushioned and shaft flexure may occur without disturbing the driving connection between the power source and device to be operated.

2,151,882
ELECTRIC CONNECTOR
Daniel Woodhead, Barrington, Ill.
Application October 20, 1934, Serial No. 749,183
6 Claims. (Cl. 173—358)

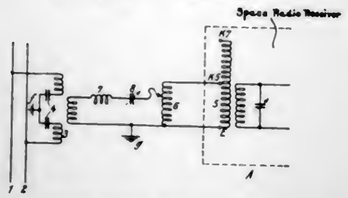


4. An electric connector comprising a molded, resilient, soft rubber casing, a threaded open-ended metal shell molded therein, lead-in wires embedded in said casing, said casing being formed at the top with a downwardly extending surplus of the resilient rubber casing material, said surplus extending downwardly into the open top of the threaded metal shell, and a flanged metal contact member partially embedded in the rubber casing at the center of the downwardly extending surplus, said lead-in wires being respectively connected to the flanged contact member and the threaded shell, the resilience of the molded rubber casing being such as to permit movement of the flanged contact member upwardly and downwardly with respect to the threaded metal shell a distance approximately equal to the pitch of the threads in said threaded metal shell.

2,151,883
METHOD OF AND MEANS FOR EFFECTING ANIONIC EXCHANGES IN SOLUTIONS
Basil Albert Adams and Eric Leighton Holmes, Teddington, England
No Drawing. Application October 25, 1935, Serial No. 46,822. In Great Britain November 13, 1934
2 Claims. (Cl. 23—1)

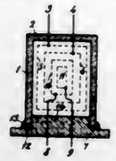
1. The process of treating liquids to effect the removal therefrom of the anion of a compound in solution therein, which comprises treating the liquid with an insoluble resin-like product obtained by the reaction of formaldehyde with an aromatic amine.

2,151,884
COMBINED SPACE AND WIRED RADIO RECEIVER
Paul Arendt, Berlin-Zehlendorf, and Walter Max Hahnemann, Berlin-Marienfelde, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 9, 1936, Serial No. 58,304
In Germany January 15, 1935
3 Claims. (Cl. 179—2.5)



1. In a wired-radio receiving system the combination of a high frequency space radio receiver, wires carrying incoming wired-radio signals energy, a transformer having a primary symmetrically connected to these wires, a coupling coil in said receiver, a self-induction coil connected in parallel with said coupling coil, and a circuit tuned to the frequency of the signals to be received between the secondary of said transformer and said self-induction coil.

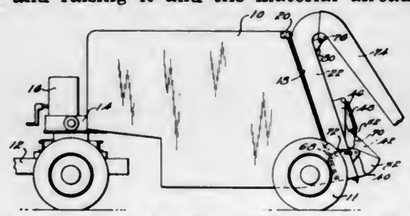
2,151,885
ELECTRIC DISCHARGE VESSEL
Otto Baier, Berlin-Reinickendorf, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 30, 1937, Serial No. 123,204
In Germany January 30, 1936
4 Claims. (Cl. 250—27.5)



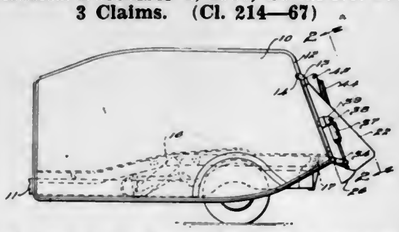
1. In an electric discharge device, a plurality of parts of a material having a relatively high melting point and which when assembled form a vessel enclosed on all sides, electrodes projecting from each part within the vessel, and a seal of relatively low melting point for the junctures of said parts.

2,151,886
LIFTING DEVICE
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application October 20, 1937, Serial No. 170,059
11 Claims. (Cl. 214—83)

1. A material lifting device for a truck body comprising, in combination, an end gate on said body, an upstanding conduit member on said end gate having an inlet opening disposed above the floor of said truck body, means for engaging a small portion of said material at said inlet opening and raising it and the material already in said conduit, and means associated with said conduit preventing the return of the material therefrom.

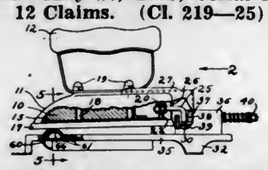


2,151,887
VEHICLE LOADING DEVICE
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application December 1, 1937, Serial No. 177,451
3 Claims. (Cl. 214—67)



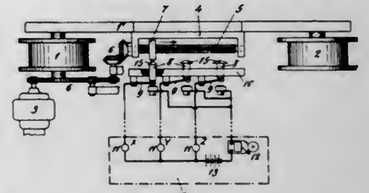
1. A loading device embodying a hopper for receiving a material to be loaded, a combined material packer and closure for an opening to a space to be loaded, means for moving the bottom of said hopper towards and from said opening, means for moving said combined closure and packer to and from said opening for engaging the material resting in said hopper and moving it into said space, and automatic means for moving the hopper bottom and the closure in synchronism in the following sequence; moving the closure from said opening; the hopper bottom towards said opening; the closure towards said opening to engage the material resting in said hopper and move it into said space; and finally for lowering the hopper bottom.

2,151,888
ELECTRIC IRON
Ralph H. Beach, Plymouth, Mich.
Application May 27, 1935, Serial No. 23,616
12 Claims. (Cl. 219—25)



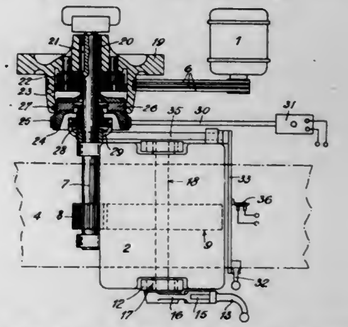
1. Electric ironing apparatus including a stand, a pair of spaced supporting contacts carried by the stand, means for conducting an electric current to said contacts, additional supporting means carried by the stand arranged in non-linear relation with respect to said contacts and constituting therewith substantially the entire support for an iron, a bi-metallic thermostat element forming at least a part of said additional supporting means, an iron having an electric heating element therein and adapted to rest upon said contacts and additional supporting means and directly engageable with said thermostat element, said iron having contact portions for engagement with said supporting contacts to establish a circuit through said heating element, and a snap-action switch operable by said thermostat element and arranged in series with one of said contacts, said supporting contacts and additional supporting means holding the iron spaced above the stand.

2,151,889
ELECTROMAGNETIC RECORDING ARRANGEMENT
Semi Begun, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 19, 1935, Serial No. 11,887
In Germany March 16, 1934
2 Claims. (Cl. 177—311)



1. In an electric recording arrangement, the combination of a recording machine and a remotely located dictating station, a plurality of indicators at said station, means cooperating with said machine for movement in accordance with the progressive recording action of said machine, a plurality of electric contacts controlled by said cooperating means connected for actuating said indicators, and means for causing said contacts to be progressively actuated for periods of successively greater duration, whereby said indicated signals are progressively more impressive.

2,151,890
PRESS FOR CUTTING CARDBOARD
Henri Bobst, Lausanne, Switzerland
Application November 9, 1937, Serial No. 173,548
In Switzerland November 18, 1936
4 Claims. (Cl. 164—23)



1. A press serving especially for the cutting of cardboard worked in a continuous web comprising a movable press head cooperating with a support for cutting said cardboard and having a flywheel, means for rotating said flywheel at a substantially constant speed, a two speed clutch means placed between said flywheel and said press, a shaft for axially supporting said flywheel and said clutch means and connecting the same to said press, mechanical means for clutching

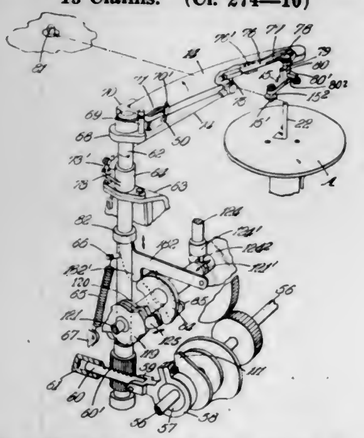
the fast speed of the clutch means to said shaft means for driving said press and electro-magnetic means for clutching the slow speed of said clutch means to said shaft, said electro-magnetic means comprising an electrical circuit having at least one switch placed at any desired point for causing or interrupting at will the slow speed and another switch controlled by movement of the mechanical clutch means so that the circuit is open when the fast speed is thrown into clutch and closed when thrown out of clutch.

2,151,891

AUTOMATIC GRAMOPHONE AND THE LIKE

Albert Edwin Bowyer-Lowe, Letchworth, England, assignor to Self Changing Gramophones Limited, London, England, a British company

Application September 14, 1937, Serial No. 163,733
In Great Britain September 16, 1936
15 Claims. (Cl. 274—10)



1. In a phonograph having a frame and supported within said frame a turn-table and a substantially horizontal support table for a stack of records to be played, the combination of a device for transferring records from said support table to said turn-table, comprising a substantially horizontal main feed arm pivoted to said frame so as to project across an imaginary line connecting the center of said support table to that of the turn-table and in a plane above said line, a rotatable spindle depending from the free end of said main feed arm, an auxiliary horizontal arm disposed at the lower end of said spindle in a direction substantially opposite to that of said main arm, the free end of said auxiliary arm projecting to said imaginary line, cam means for rotating said main feed arm, means for rotating said depending spindle and auxiliary arm in dependence upon the rotation of the main feed arm, to cause displacement of the free end of said auxiliary arm substantially along said imaginary line, and means provided at the free end of said auxiliary arm to engage the uppermost record on said support table, whereby said record is transferred to the turntable when said horizontal arms swing towards the latter.

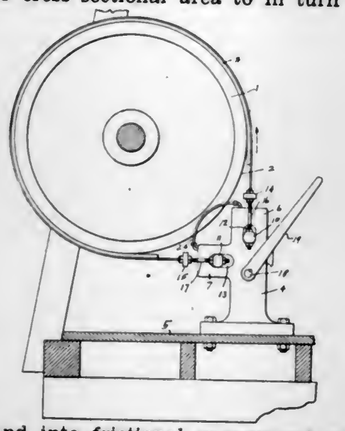
2,151,892

BRAKE

Walter Brauer, Oklahoma City, Okla.

Application August 6, 1936, Serial No. 94,535
2 Claims. (Cl. 188—151)

1. Brake mechanism comprising a rotatable brake drum, a brake band around the drum, a cylinder in alignment with one end of the band, a cylinder in alignment with the other end of the band, said cylinders being of different cross-sectional areas, pistons fitted into the cylinders and connected to the respective ends of the band in alignment therewith and inclosing pressure chambers, means for actuating the piston of the smaller cross sectional area to in turn actuate



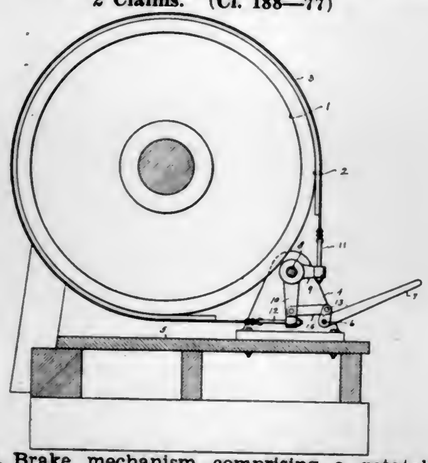
the band into frictional engagement with the drum, the other end of the band being arranged, upon such actuation, to actuate the piston of larger cross-sectional area, a by-pass conduit connecting said chambers through which the liquid will be forced, upon actuation of the last mentioned piston, to increase the pressure against the piston having the smaller area whereby the band will be further actuated to increase its frictional engagement with the drum.

2,151,893

BRAKE

Walter Brauer, Oklahoma City, Okla.

Original application August 6, 1936, Serial No. 94,535. Divided and this application January 11, 1937, Serial No. 119,957
2 Claims. (Cl. 188—77)



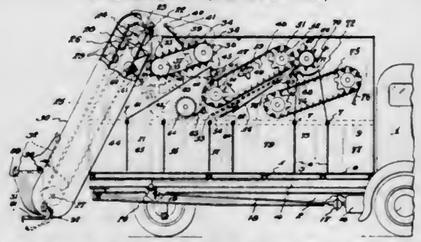
1. Brake mechanism comprising a rotatable brake drum, a brake band partially around the drum, a brake actuating means effective to contract and expand the band against and away from the drum irrespective of the direction of rotation of the drum and including a pivotally mounted bell crank having arms of unequal length, means for connecting the ends of the band to the ends of the corresponding arms of the bell crank, a pivotally mounted operating lever, an actuating arm connected to and arranged to be operated by said lever, a link one end of which is pivoted to the free end of the actuating arm and the other end of which is connected to the longer of the bell crank arms between the pivotal point of the bell crank and the connection of the band to said longer arm.

2,151,894

APPARATUS FOR SORTING HOUSEHOLD RUBBISH

Jean Etienne Félix Cambéssédès, Paris, France

Application November 21, 1935, Serial No. 50,980
In France November 21, 1934
9 Claims. (Cl. 209—12)



1. In an apparatus for sorting household rubbish, a plurality of receptacles for receiving sorted materials, a moving endless conveyor to which rubbish to be sorted is supplied, sorting means arranged to receive material falling by gravity from said conveyor and adapted to direct the sorted materials into certain of said receptacles, magnetic means associated with said conveyor for attracting metallic objects and preventing passage thereof to the sorting means, and means for directing said metallic objects into another of said receptacles when said object moves out of the field of said magnetic means, said sorting means including an endless band having pointed members thereon for carrying waste paper, rags, vegetable parings and like material, means for directing larger material deposited on said band into one of said receptacles, and a second band having pointed members for receiving material falling from the first mentioned band.

2,151,895

UTILITY PAIL ATTACHMENT

Carl Wigo Carlson, Springdale, Conn.

Application April 22, 1938, Serial No. 203,693
2 Claims. (Cl. 91—66)



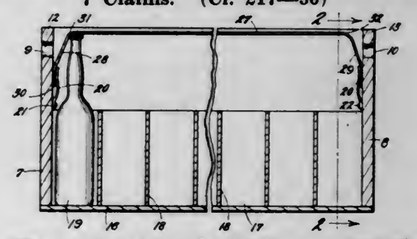
1. A general utility paint pail attachment formed of an integral circular rim member having a depending circular skirt whereby said attachment may be slipped over the rim of a paint pail and frictionally held thereon, portions of said skirt being cut away to allow free swinging of the bail of the pail, the circular rim extending inwardly of the pail rim and angularly downwardly whereby to furnish a support on which a brush may be rested, a barrier against slopping of the paint outwardly of the paint pail, and a wiping surface against which a paint brush may be wiped, the said attachment serving also to hold a cover or straining cloth in place over the rim of the paint pail, and with the inwardly and downwardly extending rim portion of said attachment holding said cloth taut and below the pail rim level while the depending circular skirt portion holds the straining cloth on the pail periphery.

2,151,896

BOTTLE CASE STRUCTURE

Herbert A. Carter, Norwood, Ohio, assignor to The Burger Brewing Company, Cincinnati, Ohio, a corporation of Ohio

Application October 15, 1935, Serial No. 45,103
7 Claims. (Cl. 217—56)



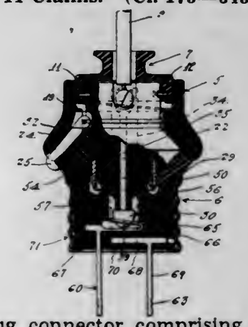
1. The combination of a bottle case comprising end walls having handholes therein located below the level of the tops of bottles placed upright within the case, a sheet-like cover comprising a horizontal top portion of a length considerably less than the distance between the end walls of the case and adapted to overlie the tops of bottles therein, and flaps depending from opposite ends of said horizontal top portion to substantially a line-contact relationship with the end walls of the case at a location below the handholes, and means for securing the flaps within the case.

2,151,897

ELECTRICAL CONNECTOR

Hershel Wayne Chaplin, Morgantown, W. Va., assignor of forty per cent to Richard E. Davis and sixty per cent to Samuel A. Phillips, Morgantown, W. Va.

Application March 28, 1935, Serial No. 13,541
11 Claims. (Cl. 173—343)



11. A plug connector comprising a plug portion and a receptacle portion, arms freely pivoted at their inner ends on the exterior of said

plug portion and extending laterally outwardly therefrom, said arms having laterally directed hooks on their free ends, an annular part formed on said receptacle portion and extending laterally therefrom and having oppositely beveled top and bottom surfaces, a collar along said plug portion and engageable with said arms, spring means urging said collar in a direction to normally maintain said arms engaged with said top beveled surface with the hooks engaged behind the bottom beveled surface, said plug portion and said receptacle portion being adapted to be separated by the exertion of sufficient force thereon in opposite axial directions so as to overcome the frictional engagement between the hooks and the said bottom beveled surface of said annular part.

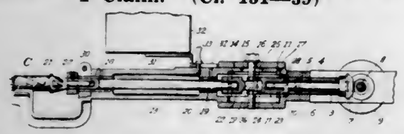
2,151,898

KNURLER UNIT FOR CIGAR MACHINES

Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application September 19, 1936, Serial No. 101,563

1 Claim. (Cl. 131—39)



A knurler mechanism of the class described comprising a support enclosing a driving shaft member, and a driven shaft member articulated therewith and enclosed by a holder joined to said support by a lubricant-tight casing; said casing being constituted by a fixed part mounted on said support and a movable part adjustable exclusively in a horizontal plane around a vertical axis coinciding with the mean vertical axis of articulation of the driving and driven members of the shaft, a knurler device carried by and actuated by the free end of said driven shaft member, said casing parts being fabricated with interfitting webs provided with several orifices, the inner web having arcuate slots concentric with said vertical axis of articulation and displaced radially therefrom, said arcuate slots being covered generally by a web or an exterior part, the latter having bolt holes disposed in vertical alignment, and bolts tapped into said holes and each extending through one of said inner web slots and having a head protruding beyond the other web hole, whereby an adjustable lubricant-tight bolt fastening means is provided in non-interfering relation with the articulation structure of the casing, and that within the casing.

2,151,899

PROCESS FOR THE PRODUCTION OF COLORED PICTURE FILMS

Maurice Combes, Paris, France

No Drawing. Application November 26, 1935, Serial No. 51,604. In Germany September 25, 1934

7 Claims. (Cl. 95—2)

1. The process of producing colored picture films in which the two sides of a positive are differently dyed which comprises dyeing the one side of the positive with a weakly acidified mixture of at least one green dyestuff of the Malachite green group and at least one reddish-violet dyestuff of the triphenylmethane group and the other side with a weakly alkalinized mixture of at least one yellow dyestuff and one reddish-violet dyestuff, mordanting the two sides of the positive simultaneously in a solution of chromic acid and potassium ferricyanide acidified with sulphuric acid, washing the film, treating it in a bath of sodium bisulphite, washing again and drying.

2,151,900

CROSS-CHAIN FOR TIRE CHAIN ASSEMBLIES

Edward A. Conner, Stratford, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York

Application November 16, 1936, Serial No. 111,006

6 Claims. (Cl. 152—244)



1. A cross-chain for anti-skid tire chains including a link comprising an elongated base provided at its ends with means for making connection with adjacent links and also provided with scoop-shaped road-engaging projections, the concave surfaces of which face in opposite directions and away from each other and transversely of the cross-chain.

2,151,901

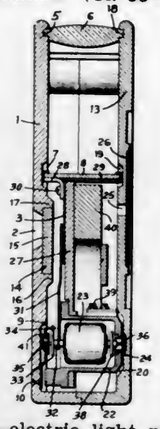
APPARATUS FOR THE MEASUREMENT OF RADIATING ENERGY SUCH AS EXPOSURE METERS

Lucien Devaux and René Alphonse Higonnet, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

Application March 13, 1937, Serial No. 130,746

In France March 14, 1936

4 Claims. (Cl. 88—23)



1. In a photo-electric light measuring device having a lens and photo-electric cell aligned along the optical axis, a casing comprising two separate unitary parts which fit together substantially along said optical axis and form an opaque covering open at one end, said lens being adapted to close the open end of said casing, aligned recesses in each of said casing parts adjacent said open end for solely supporting said lens and maintaining it in aligned position, said photo-electric cell being mounted within said casing in a plane spaced a predetermined distance from said lens, aligned recesses in each of said casing parts in said predetermined plane for maintaining said photo-electric cell in a predetermined aligned position, and means for fastening said casing parts together, said casing parts serving to retain the parts of said device in position independently of other fastening means.

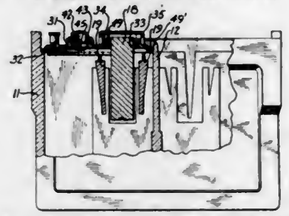
2,151,902

GALVANIC CELL AND COVER THEREFOR

Dario Domizi, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Original application January 14, 1931, Serial No. 508,788, now Patent No. 2,051,987, dated August 25, 1936. Divided and this application September 21, 1935, Serial No. 41,568. In Great Britain August 27, 1930

6 Claims. (Cl. 136—169)



4. An article of manufacture adapted for use as a cover for a galvanic cell consisting of a plate of non-conductive material having a relatively large opening through which an electrode may extend, a raised portion surrounding said opening, and an aperture spaced from said opening, said aperture being closed by a frangible diaphragm integral and homogeneous with said plate.

2,151,903

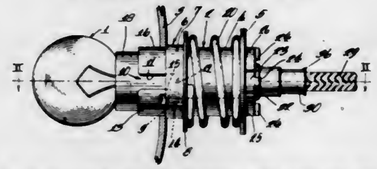
ELECTRIC LAMP AND SOCKET CONSTRUCTION

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application January 12, 1935, Serial No. 1,526

Renewed February 11, 1939

14 Claims. (Cl. 173—339)



1. In combination: a mounting having an aperture; means for receiving an incandescent electric lamp, at one side of said mounting; said receiving means extending through said aperture and having a portion overlying a part of said mounting at said side of said mounting; a retaining member movable with respect to said receiving means at the other side of said mounting; means whereby said retaining member makes bayonet connection with said receiving means; and means for pressing said retaining member against said mounting, said pressing means being correlated with said receiving means to press said overlying part against the other side of said mounting.

2,151,904

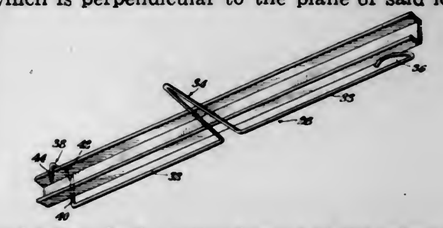
CLIP FOR PAPER-BACK LATHS

Harry H. Eades, Pittsburgh, Pa.

Application June 7, 1938, Serial No. 212,224

5 Claims. (Cl. 72—118)

1. An integral readily deformable wire clip for mounting and maintaining sheet laths in position upon furring bars which includes an elongated shank portion, an expansible loop formed intermediate the ends of said shank portion and lying in a single plane, a hook shaped member for hooking over the furring bar, formed at an end of said shank member lying in a single plane which is perpendicular to the plane of said loop



and a turn-back portion formed at the other end of said shank portion forming an open locking loop.

2,151,905

ELECTRIC CONTACT COMBINATION

Kenneth L. Emmert, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application September 29, 1937, Serial No. 166,337

6 Claims. (Cl. 200—166)

1. In combination, a co-operating pair of electric make-and-break contacts for D.C. operation, the positive contact being formed of a silver alloy containing a substantial amount of an element of the nature of cadmium and the negative contact being formed from metals comprising silver and compositions of silver with noble metals of the gold, platinum and palladium family of the periodic system.

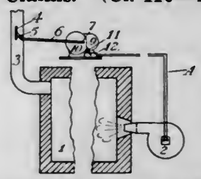
2,151,906

CONTROL SYSTEM FOR FUEL BURNERS

Eugene Oscar Engels, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York

Application November 1, 1935, Serial No. 47,804

2 Claims. (Cl. 110—163)



1. In a heating system comprising a furnace, an automatic fuel burner, a stack leading from said furnace, and an adjustable draft damper in said stack, in combination, a motor-driven timing device arranged to control said burner and operatively connected to open and close said damper, said timing device operative to move said damper progressively from its closed to its open position and to put the burner into operation when a portion only of the opening movement of the damper has been completed.

2,151,907

FILM PROCESSING DEVICE

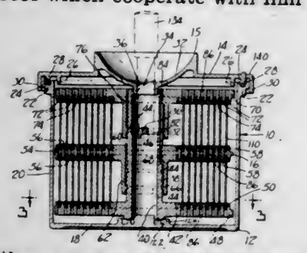
Lawrence R. Fink, New York, N. Y., assignor to Fink-Roselieve Co. Inc., New York, N. Y., a corporation of New York

Application January 20, 1938, Serial No. 185,802

6 Claims. (Cl. 242—104)

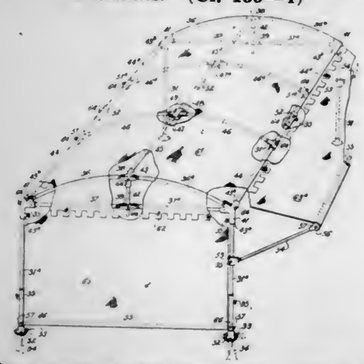
1. A reel for use in film developing tanks comprising a central core, a fixed disc thereon having film receiving means on one side thereof, and a pair of movable discs thereon, the centermost of

the discs having film receiving means on both sides thereof which cooperate with film receiving



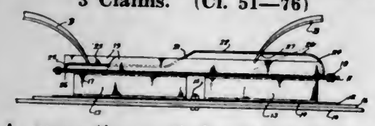
faces on the opposing sides of the fixed disc and the other movable disc.

2,151,908
CHAPEL TENT
Max E. Gottlieb, Cleveland Heights, Ohio
Application April 21, 1938, Serial No. 203,300
4 Claims. (Cl. 135—4)



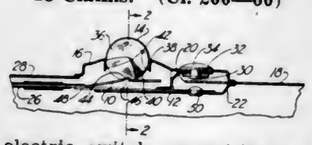
1. In a tent, a folding truss, comprising in combination, a downwardly foldable beam, a downwardly foldable arch, a vertical spacing rod pivoted to the beam and the arch, and corner fixtures for joining the ends of the beam and the arch, the said corner fixtures having means for attachment to vertical legs and horizontal roof-sections.

2,151,909
POLISHING MACHINE FIXTURE
Jay H. Gould, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 25, 1938, Serial No. 198,066
3 Claims. (Cl. 51—76)



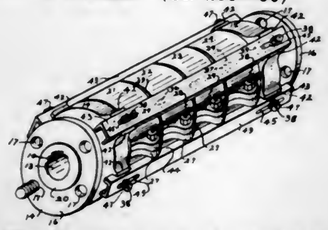
3. A supporting unit for polishing machines comprising a lower part adapted to be secured to the conveyor of a polishing machine, and an upper part for securing an object to be carried by the conveyor for application to the polishing elements of the polishing machine, and a cushion of material having the characteristics of sponge rubber between said parts, said cushion being secured only at its upper and lower ends to said parts with its intermediate portion free to distort whereby said upper part may freely follow any sidewise movement of the object thereon while the object is being carried by the conveyor into application with the polishing elements so that any slight twist, edge warp, or other irregularity in the object may be properly applied to the polishing elements.

2,151,910
ELECTRIC SWITCH
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 10, 1935, Serial No. 35,579
18 Claims. (Cl. 200—60)



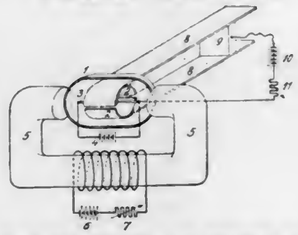
1. An electric switch comprising a normally stationary contact; a normally open spring-opened movable contact; a finger-piece; means supporting said finger-piece for rectilinear depression to force said movable contact into circuit-closing engagement with said stationary contact; said spring-opened movable contact normally acting to urge said finger-piece toward the initial extremity of such limited rectilinear movement; said means also supporting said finger-piece for rocking movement about a fixed axis while held in such extremity by said spring-opened movable contact; and cam means coacting with said movable contact for moving and retaining the same in circuit-closing engagement with said stationary contact when said finger-piece is rocked through a predetermined arc about said fixed axis.

2,151,911
EXPANSION JOINT
Solomon Green, Isaac Spector, and Joseph Leese, Philadelphia, Pa.
Application August 3, 1936, Serial No. 94,004
2 Claims. (Cl. 285—90)



1. In an expansion joint of the character described, having a cylindrical body member made up of a series of individual cross rings, enclosing a corrugated, flexible tube, having sealed connection with the end rings of said body, connecting means upon said rings at the periphery thereof, securing contiguous rings in adjustable spaced relation, said means comprising a pair of radially projecting lugs, integral with each of said contiguous rings, said lugs being positioned in a line parallel to the axis of said body, having one of said lugs adjoining each face of each contiguous ring, a link connecting the lugs which stand opposite one another and nearest the faces of two contiguous rings to limit the spacing of said rings, and a channel bar enveloping said links in line with one another, in spaced end relation to one another, and means for slidingly securing said bar to the periphery of said body.

2,151,912
HIGH FREQUENCY GENERATOR
Erich Habann, Berlin-Hessenwinkel, and Felix Gerth, Berlin-Tempelhof, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a German company
Application August 22, 1936, Serial No. 97,394
In Germany August 24, 1935
7 Claims. (Cl. 250—36)



1. In an arrangement for generating high frequency oscillations, an electron tube having a split anode, a cathode symmetrically surrounded by said anode, an oscillation circuit connected with said electrodes, means to produce along said cathode a magnetic field whose intensity expressed in gausses is below the value

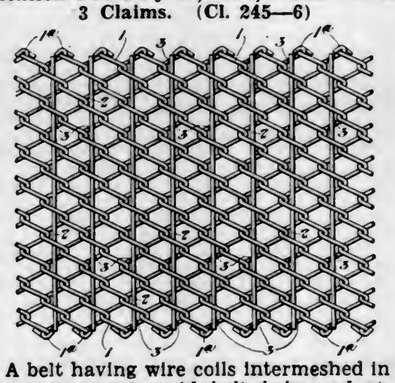
$$\frac{10650}{\lambda\, cm.}$$

wherein λ is the wave length, and by which value the rotational frequency of the electrons is determined, means to decrease the anode potential to such a low value that the rotational frequency of the electrons will be less than the frequency of said oscillation circuit, and means for reducing the attenuation of said circuit to such an extent that oscillations will be produced which will be of higher frequency than those that would be produced by adjusting said field intensity of the tube to a value higher than said value

$$\frac{10650}{\lambda\, cm.}$$

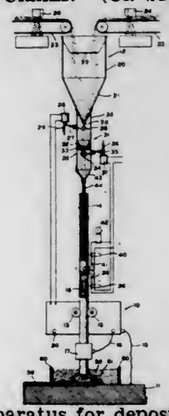
the circuit being tuned to said higher frequency.

2,151,913
WIRE BELT
Noah S. Harter, Waukegan, Ill., assignor to Cyclone Fence Company, a corporation of New Jersey
Application February 21, 1936, Serial No. 65,158
3 Claims. (Cl. 245—6)



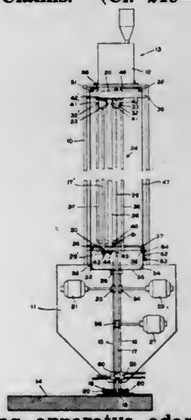
1. A belt having wire coils intermeshed in parallel arrangement, said belt being adapted to work under tension transmitted transversely through said coils by way of their convolutions and having cross wires extending the lengths of at least some of said coils, each of said cross wires being positioned free from the intermeshing portions of the convolutions of said coils and being fixed to both ends of the coil with which it is associated to prevent contraction of said coil when said belt is tensioned.

2,151,914
WELDING APPARATUS
Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application September 16, 1936, Serial No. 101,103
14 Claims. (Cl. 219—8)



9. In an apparatus for depositing metal under the influence of electric current discharge through a gap between an electrode and the work, the combination with an electrode having a passageway, means for continuously feeding said electrode to the gap, electric current supply means connected to the electrode and the work, a separate metal supply means, and means for intermittently feeding metal from the separate metal supply means to the gap.

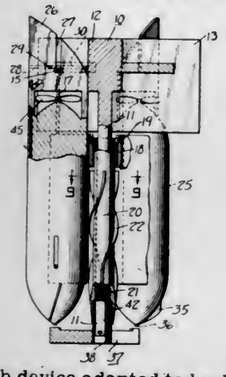
2,151,915
WELDING APPARATUS
Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware
Application November 5, 1936, Serial No. 109,292
9 Claims. (Cl. 219—8)



1. In welding apparatus adapted to deposit metal upon a workpiece by the discharge of electric current through a gap between an electrode

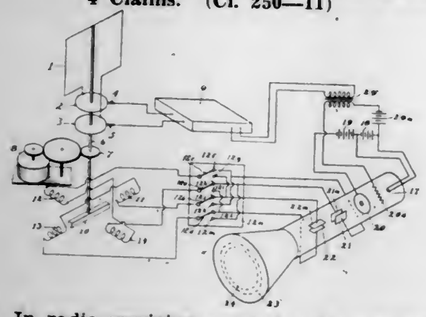
and the workpiece, in combination, an electric current supply connection, an electrode comprising a plurality of connectible sections, electrode feed means adapted to feed said electrode past said supply connection towards the workpiece, and means oscillatable across the direction of feed of said electrode for positioning electrode sections for connection with said electrode on its way to the workpiece.

2,151,916
BOMB
Jan Pierre Hulswit, Noroton, Conn.
Application December 17, 1937, Serial No. 180,281
13 Claims. (Cl. 102—2)



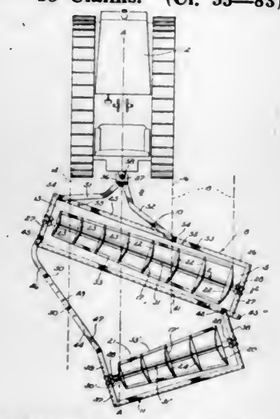
1. In a bomb device adapted to be dropped from an aircraft, a bomb carrier, a bomb releasably secured thereto in vertical position, a detonator head at the lower end of said bomb, a member movably secured to said carrier and extending below said head to protect said head from direct contact with the object on which the bomb device falls, and means for resisting movement of said member with respect to said carrier toward said head, the strength of the resisting means being such as to prevent substantial movement of said member when the device strikes water and to permit movement of said member into contact with said head when the device strikes a solid object.

2,151,917
RADIO APPARATUS
Lawrence A. Hyland, Washington, D. C., assignor, by mesne assignments, to Bendix Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 24, 1935, Serial No. 32,955
4 Claims. (Cl. 250—11)



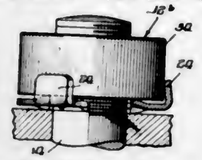
1. In radio receiving apparatus the combination of a loop antenna, means for rotating said loop antenna, a cathode ray tube, means for generating and rotating a cathode ray beam in said tube in predetermined time relation with the rotation of said loop antenna, means for controlling said cathode ray beam in accordance with signaling energy received over said loop antenna and means in circuit with said means for rotating said cathode ray beam for instantaneously shifting the angular position of said beam with respect to said tube.

2,151,918
AGRICULTURAL IMPLEMENT
Arthur B. Ingram, Azusa, Calif.
Application December 14, 1936, Serial No. 115,828
15 Claims. (Cl. 55—83)



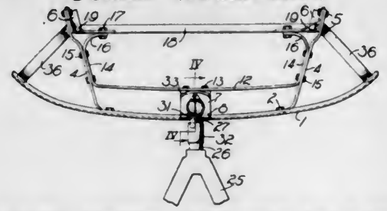
1. In a harrow of the character described, adapted to be pulled by a pulling device along a path of movement such as formed by a pulling device, the combination of: a front section of such length as to extend from one side of said path across said path and to project laterally beyond the other side of said path; means connecting said front section to said pulling device in the position indicated in the foregoing; and a rear section having one end thereof connected to the projecting end of said front section and being of such length that its other end will extend substantially to the center of said path, said front section having an assembly of discs disposed so as to rotate on a common axis, said discs gradually increasing in size toward the projecting end of said front section.

2,151,919
LOCKING DEVICE
Gunnard W. Jacobson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application March 25, 1935, Serial No. 12,779
3 Claims. (Cl. 151—37)



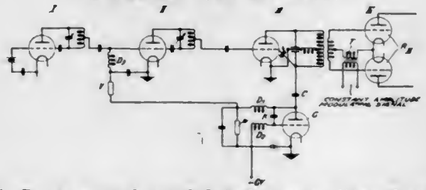
2. A locking device including a rotary clamping member having a clamping surface and an outer periphery comprising a single, curved, concentric, smooth surface encircling the clamping member, a lock washer formed of spring stock, said washer including an annular body portion and a plurality of internal, marginal, resilient prongs warped out of the smooth surface of the body, and means extending axially of the washer body and yieldably bearing against the said peripheral smooth surface of said clamping member for securing the washer and clamping member together as a unit and permitting relative rotation between the washer and clamping member as said parts are tightened against a work piece, the prongs of said washer being operatively associated with the clamping surface of said rotary clamping member, said prongs, annular body, and yieldable bearing means extending from said body being constructed and arranged whereby to prevent radial movement of the prongs when the washer is clamped against a work piece.

2,151,920
TRAILER HITCHING
Herbert S. Jandus and Harold Lee Brooke, Detroit, Mich., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 5, 1937, Serial No. 146,532
1 Claim. (Cl. 280—33.44)



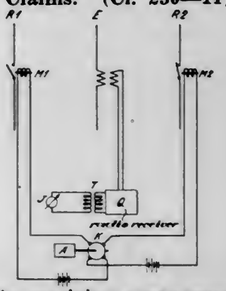
A trailer hitching attachment for a bumper structure having a front horizontally extending impact bar and a rear horizontally extending reinforcing bar spaced away therefrom, said attachment comprising a hollow rectangular block for fitting between said bars and adapted to have its rear wall secured to the reinforcing bar, a depending lip along the front upper edge of said block for receiving the upper edge of the impact bumper bar, a detachable bracket engaging the lower wall of said block and having an upwardly extending lip for receiving the lower edge of the impact bumper bar whereby said impact bumper bar may be clamped between said lips, and an upwardly extending stud secured to the top wall of said block and terminating in a ball for receiving hitching socket structure on trailers.

2,151,921
METHOD OF MODULATING HIGH FREQUENCY TRANSMITTERS
Ernst Kramar, Berlin-Tempelhof, and Erich Heinecke, Berlin-Lichtenrade, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application August 21, 1935, Serial No. 37,122
In Germany February 5, 1935
4 Claims. (Cl. 179—171)



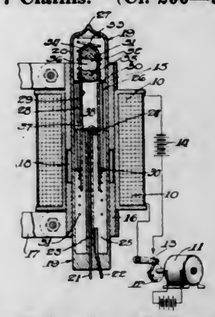
1. In a sound modulated transmitter having several high frequency stages including a modulation stage preceded by non-modulating stages and having means for rectifying a part of the output current of one of said high frequency stages, the method of keeping constant the degree of modulation which comprises applying a modulating signal of constant amplitude to the modulating stage and utilizing the direct current potential derived from said rectification to control the gain of a high frequency stage preceding that from which the direct current potential was derived.

2,151,922
RECEIVER FOR ELECTROMAGNETIC WAVES
Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 4, 1935, Serial No. 43,486
In Germany October 5, 1934
5 Claims. (Cl. 250—11)



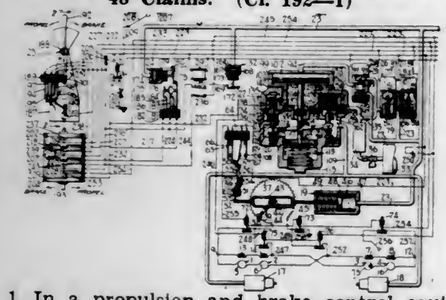
1. In a radio receiving arrangement for wireless direction finding, a main antenna, a radio receiver connected thereto, a reflecting arrangement in the vicinity of and cooperating with said main antenna, and means for keying said reflecting arrangement intermittently to obtain two different mutually displaced and intersecting directional characteristics.

2,151,923
MERCURY SWITCH
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 24, 1934, Serial No. 758,879
17 Claims. (Cl. 200—97)



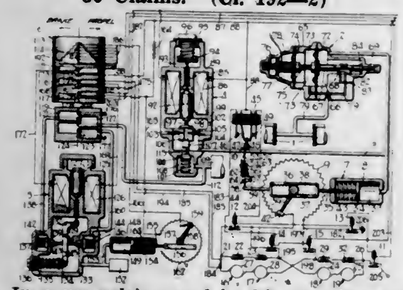
1. In a circuit breaker of the class described, comprising a switch envelope, a mercury fill, spaced electrodes in the envelope, means for shifting the mercury to change the condition of the circuit through the electrodes, a time delay element adapted to restrain the movement of mercury toward but not away from one of said electrodes, the quantity of mercury in the envelope and the elevation of the electrodes being such that the electrodes are bridged by mercury except when the time delay element is temporarily withholding the mercury from said one electrode.

2,151,924
ACCELERATION AND DECELERATION CONTROL
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 19, 1936, Serial No. 86,094
48 Claims. (Cl. 192—1)



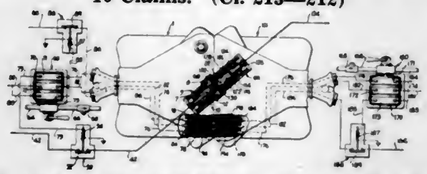
1. In a propulsion and brake control equipment for vehicles, in combination, propulsion means for the vehicle, braking means for the vehicle, automatic means for controlling a supply of fluid under pressure to develop a predetermined pressure corresponding to the idling of said propulsion means and the release of said braking means, manually operable means for varying the pressure in the one or the other direction from said predetermined value to effect an application of the brakes or an acceleration of the vehicle, and inertia means responsive to the rate of change in the vehicle speed for controlling the acceleration or deceleration of the vehicle in accordance with the amount of movement of said manually operable means from its idling or release position.

2,151,925
ACCELERATION AND DECELERATION CONTROL EQUIPMENT
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 19, 1936, Serial No. 86,095
30 Claims. (Cl. 192—2)



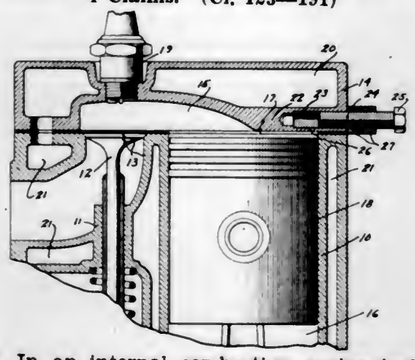
1. In a propulsion and braking equipment for vehicles, in combination, propulsion means for the vehicle, braking means for the vehicle, means for controlling said propulsion means and said braking means including an electric train circuit and means for controlling the voltage thereof to normally maintain a predetermined voltage corresponding to the idling of said propulsion means and the release of said brake means, and means for varying the voltage in one direction from said predetermined value to effect an application of the brakes and in the other direction from said predetermined value to effect the propulsion of the vehicle.

2,151,926
CONTROL MEANS FOR BUS SWITCHES
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 14, 1936, Serial No. 96,020
10 Claims. (Cl. 213—212)



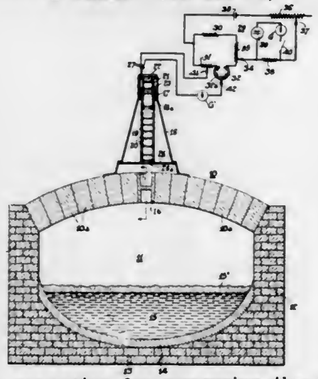
1. In a car coupling system, car couplers adapted to be coupled to each other, certain of said couplers being mounted on power cars having a source of electric current thereon, others of said couplers being mounted on auxiliary cars having current consuming means thereon, said couplers having contacts associated therewith and arranged such that when the couplers are coupled together said contacts establish a circuit through which current may be supplied from the source on a power car to the consuming means on an auxiliary car, a contactor associated with each power car coupler between the source of electric current and the contact associated with said coupler and controlling the supply of current to said contact, said contactors each having a winding and being operative only on energization thereof to complete the circuit controlled thereby, the couplers having contact means associated therewith for controlling the supply of current to said contactor windings, the contact means on said couplers being arranged so that when the couplers for two power cars are coupled together they do not connect the windings of the contactors to a source of electric current, and so that when a coupler for a power car and a coupler for an auxiliary car are connected together the winding of the contactor associated with the coupler on the power car will be connected to a source of electric current.

2,151,927
INTERNAL COMBUSTION ENGINE
Leo J. McKone, Chicago, Ill., assignor of one-third to Kenneth E. Lyman, Chicago, Ill., and one-third to Dean D. Francis, Cleveland, Ohio
Application July 14, 1937, Serial No. 153,477
4 Claims. (Cl. 123—191)



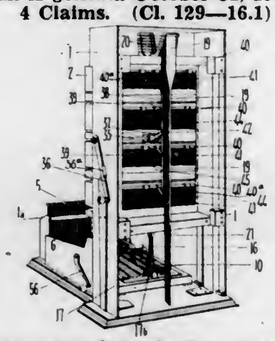
1. In an internal combustion engine including a cylinder, a head therefor providing an ignition recess in its underside and a piston operable in the bore of said cylinder, there being a small clearance space between the underside of said head and the piston at the top of its instroke, means for reducing the tendency of fuel to knock in said engine comprising a dead gas pocket formed in said head and opening into said clearance space, the volume of said pocket being less than 1/100 of the volume of the flame swept combustion chamber of said engine.

2,151,928
APPARATUS FOR MEASURING TEMPERATURE
Harold G. Mead, Wynnewood, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1935, Serial No. 34,118
1 Claim. (Cl. 136—4)



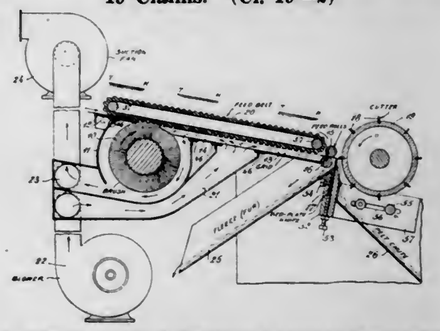
In an apparatus for measuring the temperature of a refractory wall structure, a refractory block for inclusion as a portion of the wall structure provided with a target permanently an integral section of said block and having external and internal recesses defining said target section and through which said section is visible from the exterior and exposed to the interior of the furnace respectively, the thermal conductivity of the refractory of said block being substantially higher than the thermal conductivity of the refractory of said wall structure.

2,151,929
APPARATUS FOR REGISTERING, FILING, AND EXTRACTING CARDS, RECORDS, ETC.
Carlos Ponciano Mercau, Buenos Aires, Argentina
Application October 27, 1934, Serial No. 750,393
In Argentina October 31, 1933
4 Claims. (Cl. 129—16.1)



1. In apparatus for selecting, classifying, filing and delivering such objects as cards, records, folders, books and the like, having a plurality of individually movable plates arranged in a practically coextensive series, said plates being differently perforated to correspond individually with each object stored, means including a plurality of movable racks and a plurality of cooperative rack engaging hook members for moving said plates according to the particular object to be selected, filed or delivered, so that predetermined perforations in all of said plates corresponding to said particular object are aligned to form a clear and unobstructed path, there being return springs connected to said racks and means including individual pins adapted to enter said aligned perforations to cause said particular object to be positioned apart from the remaining objects contained by the apparatus, a movable lever connected with an arm which it is adapted to operate, a slidable member movable in parallelism with said racks and operatively connected to said arm and having at least one inclined portion upon the same, there being also a return spring connected to said slidable member, and a transverse member lying upon said inclined portion of the slidable member and extending beneath said hook members for the purpose of raising the latter and disengaging the same from the racks upon operation of said lever and consequent shifting of said slidable member and its inclined portion beneath said transverse member.

2,151,930
TREATING FUR SKINS
Louis N. Messing and Robert E. Naumburg, New York, N. Y., assignors to Jonas & Naumburg Corporation, New York, N. Y., a corporation of New York
Application March 24, 1937, Serial No. 132,740
19 Claims. (Cl. 19—2)



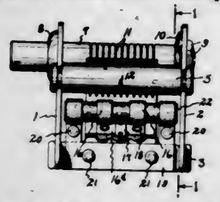
2. The method of defleecing animal skins which comprises brushing the fur in one direction, reversing the direction with an air current and feeding the skins to a defleecing cutter in a direction counter to the air current.

9. A machine for defleecing animal skins comprising a rotary brush, a defleecing cutter, a ribbed grid between the brush and the cutter, and means for feeding the skins into contact with the brush and along the grid and to the cutter.

2,151,931
INSULATOR
Charles F. Molzen, Stratford, Conn., assignor to De Jur-Amsco Corporation, Shelton, Conn., a corporation of New York
Application January 7, 1937, Serial No. 119,409
2 Claims. (Cl. 174—138)

1. A supporting structure for electrical apparatus comprising a ceramic member, a metal strap

folded upon itself and encircling said member at two spaced points, means for clamping the strap



to said member, and a second metal strap folded upon itself encircling said member at two spaced points and having means for clamping it thereto.

2,151,932

PROCESS FOR MANUFACTURING POROUS ARTICLES OF CLAY

Aage Nielsen, Copenhagen, Denmark

No Drawing. Application June 8, 1931, Serial No. 543,026. Renewed September 21, 1934. In Denmark April 30, 1931

2 Claims. (Cl. 106—11)

1. Process for the manufacture of porous ceramic articles of argillaceous materials, consisting in the following steps, first adding deflocculants to a stiff plastic mass of clay then making the thus produced fluid mass porous by incorporating gases therein and finally adding flocculants to the porous fluid mass and moulding the thus produced restiffened porous mass in known manner.

2,151,933

METHOD OF FORMING A CUPROUS OXIDE RECTIFIER ELEMENT

Mitsuo Ono, Mita, Shibaku, Tokyo, Japan, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 19, 1937, Serial No. 131,782. In Japan April 27, 1936

9 Claims. (Cl. 175—366)

1. The method of treating a hot copper rectifier blank which is coated with cuprous oxide, which comprises dipping said hot blank into a molten bath comprising a substantial proportion of fluoride composition which is principally composed of the fluoride radical combined with at least one of the metals from the group consisting of barium and calcium at a temperature substantally as high as 1030° C., removing said blank from said bath so as to leave an adherent coating of said fluoride composition thereon, cooling said blank, and thereafter removing said composition therefrom.

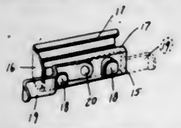
2,151,934

WINDOW LOCK

Robert B. Parrott, Indianapolis, Ind.

Application August 17, 1936, Serial No. 96,461

3 Claims. (Cl. 292—337)



1. A window lock for locking a swinging window frame to a rigid frame member comprising a channel-shaped support adapted to slide over a portion of said window frame adjacent the rigid frame member, a locking plate pivotally mounted upon one side of said support in position to extend into engagement with said rigid frame member when in locking position and be swung out of engagement therewith when in unlocking position, and an end piece bent inwardly from one side of said support to a position adjacent to but separated from the opposite side thereof for closing the end of said support while permitting flexing of the side walls thereof.

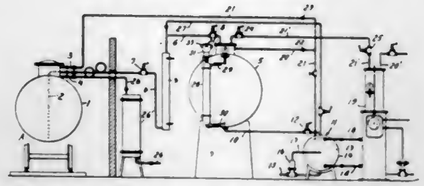
2,151,935

APPARATUS FOR HANDLING LIQUIDS

Gregory A. Petroe, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application June 11, 1936, Serial No. 84,674

6 Claims. (Cl. 62—1)



1. Apparatus for unloading liquefied gas from a tank car, comprising a storage tank, a fluid connection for connecting the storage tank to the car tank, a pressure booster tank, separate fluid connections between the pressure booster tank and the storage tank and between the pressure booster tank and the car tank, and means for heating liquefied gas in the pressure booster tank to generate sufficient gas pressure therein and in the fluid connection connecting the same with the car tank to force liquefied gas from the car tank into the storage tank.

2,151,936

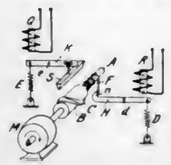
CHARACTER TRANSMITTING SYSTEM

Helmut Pflügner and Ernst Sohn, Berlin-Mariendorf, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application October 31, 1936, Serial No. 108,576

In Germany October 31, 1935

1 Claim. (Cl. 178—11)



A recording for recording characters composed of a plurality of electric impulses which when recorded form the separate characters, comprising a transcribing means including a shaft, a cylinder provided with a helical edge rotatably mounted on said shaft, a motor for continuously rotating said shaft, a spring clutch including a helical spring wound around said shaft and having a free projecting end for coupling said cylinder to said shaft, means including a detent engaging the free end of said spring and tending to force it in a direction opposite to the winding of the spring for holding said clutch out of engagement with said shaft in the absence of signals, and means responsive to receipt of a synchronizing impulse to effect engagement of said clutch with said shaft.

2,151,937

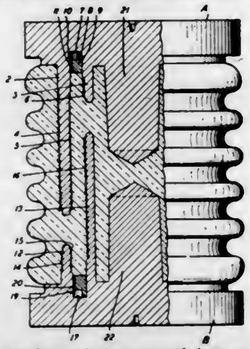
GAS-TIGHT JOINT

Guy Rabuteau and Georges Paul Chevigny, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

Application October 16, 1936, Serial No. 105,893

In France January 17, 1936

11 Claims. (Cl. 250—27.5)



1. A gas-tight joint comprising a metallic ring member having concentric cylindrical extensions, a mass of insulating material moulded to said extensions, a chamber in said joint, an inlet communicating with said chamber for the passage of parasitic fluids entering said insulating material to be collected in said chamber, and an outlet in said ring member for evacuating said chamber.

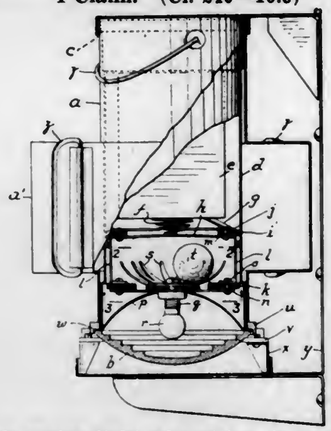
2,151,938

LIFESAVING LIGHT

Jesse A. Ramsey, Wenonah, N. J., and William O'Neal, Drexel Hill, Pa., assignors of one-half to John G. Pew, Media, Pa., and Richard L. Burke, Swarthmore, Pa.

Application September 16, 1937, Serial No. 164,096

1 Claim. (Cl. 240—10.6)



A life saving light comprising, in combination, a water-tight casing, a lens in a wall of the casing, an electric battery within the casing, a lamp socket within the casing and positioned in line with the lens, a lamp in the socket, and means for automatically connecting and disconnecting the battery and lamp, said means comprising a conducting plate in contact with one terminal of the battery and with one terminal of the lamp socket, a curved spider of conducting material in contact with the other terminal of the battery and the other terminal of the lamp socket, the curved spider being arranged with its concave side opposite to said conducting plate and a freely movable ball of conducting material of a diameter less than the maximum distance between said conducting plate and said spider and greater than the minimum distance between said conducting plate and said spider, said conducting plate and said spider being so arranged that when the casing is in a vertical position with the lens down the lamp socket will be disconnected from the battery, when the casing is in a horizontal position the lamp socket and battery will be continuously connected and when the casing is subjected to a rocking movement with the lens up the lamp socket will be intermittently connected with the battery.

2,151,939

PROPELLER

Cecil S. Richardson, New York, N. Y., assignor of one-tenth to W. W. Keith, West Palm Beach, Fla.

Substitute for abandoned application Serial No. 747,063, October 5, 1934. This application May 31, 1938, Serial No. 211,014

1 Claim. (Cl. 170—156)



A propeller of the character described, comprising a hub integrally formed with a series of blades whose outer peripheries follow the surface of a sphere and which blades are disposed helically from one to the other end of the hub so that the blades, at the ends of the hub approach the same at approximately a ninety degree angle and are radially disposed with relation thereto, said blades intermediate of their ends presenting a diagonal or reverse curvilinear formation to the longitudinal axis of the hub and which diagonal disposition arrange the same at approximately a forty-five degree angle, the said helically disposed blades being filleted next to the hub to provide a spiral channel which is trained around the hub for substantially one-half of the diameter of the hub and said blades at the ends of the hub merging with each other.

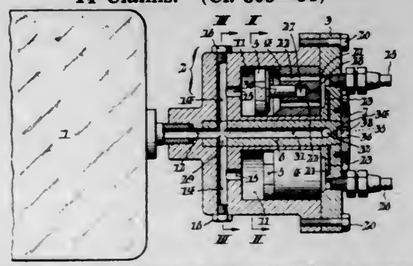
2,151,940

AUTOMATIC CUT-OFF VALVE

John A. Rumsey, Swarthmore, Pa.

Application December 15, 1937, Serial No. 179,808

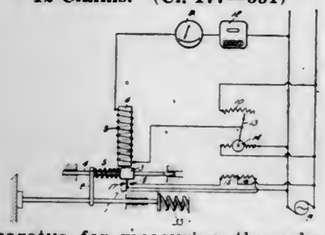
14 Claims. (Cl. 303—84)



1. In an automatic cut-off valve for a pressure

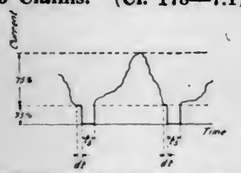
line, a cylinder, a valve operating in said cylinder, a normally ineffective valve seat in said cylinder to receive said valve in closing, and means for opposing the closure of said valve consisting of a plunger attached to said valve, and a dash pot receiving said plunger, said dash pot having a restricted orifice opening from its bottom end.

2,151,941
MEASURING APPARATUS
Gustav Georg Herman Rydberg, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Junger, Stockholm, Sweden
Application February 13, 1936, Serial No. 63,799
In Sweden February 26, 1935
12 Claims. (Cl. 177—351)



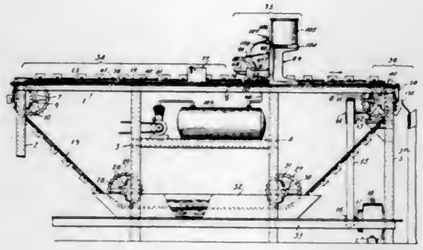
1. Apparatus for measuring the velocity and quantity of flowing media comprising a receiving member operative under the influence of the variations of said quantity, an electrical circuit, an electro-magnet comprising an armature and a coil in said electrical circuit, controlling means in said circuit for regulating the strength of current in said magnet coil, said controlling means being in operative connection with said armature, electrical measuring instruments in said circuit, the indications of which are determined by the strength of current in said magnet coil, an elastic transmitting member disposed between said receiving member and said armature and operative to transmit a part only of the force exerted on said receiving member under the influence of the variations of the measuring quantity to said armature, and electrical means for automatically returning said armature to its zero position at the indicating positions of said instruments.

2,151,942
TELEVISION METHOD
Wilhelm Scheppmann, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 13, 1936, Serial No. 68,577
In Germany March 14, 1935
3 Claims. (Cl. 178—7.1)



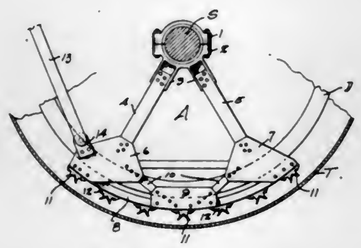
1. The method of operating television devices comprising transmitting image impulses of variable current amplitude to define lines of a picture, producing gaps or periods of no current between said image impulses as synchronizing impulses, and reducing said image impulses to a predetermined constant amplitude for short periods immediately prior to the production of said gaps or periods, whereby said image impulses create a minimum distortion of said synchronizing impulses.

2,151,943
FRUIT OPENING MACHINE
William Sievers, Oradell, N. J., assignor to Siecant Packing Company, Inc., New York, N. Y., a corporation of New York
Application September 22, 1936, Serial No. 101,896
12 Claims. (Cl. 146—17)



1. The combination of a frame, a conveyor mounted to travel across said frame, a fruit carrier secured to said conveyor, a fruit treating device mounted on said frame in the path of movement of the fruit carried by said carrier, and brush elements connected to said conveyor and arranged in pairs extending toward one another and transversely of said coveyor to engage and thereby to clean the fruit treating device after the fruit has been treated, said brush elements being pivotally connected to the conveyor, and cams on said frame for operating said brushes simultaneously to clamp between them and thereby clean opposite sides of said fruit treating device.

2,151,944
AGITATOR
John W. Stevens, Salt Lake City, Utah, assignor to Eimco Corporation, Salt Lake City, Utah
Application March 14, 1936, Serial No. 68,899
1 Claim. (Cl. 210—199)



In an agitator for a vacuum filter, the combination with a rotary cylindrical drum and its shaft, and a semi-cylindrical tank spaced from and enclosing the lower portion of the drum, of a pair of spider-heads journaled on the shaft exterior of the drum, arcuate cross-bars rigid with the spider-heads and located in the space between the drum and tank, a series of spaced, longitudinally extending agitator-bars rigid with the cross bars, said agitator bars comprising strips having at least two faces forming an angle of substantially ninety degrees with each other, said strips being so positioned that the apex of the angle between them is directed toward the axis of the shaft and so that the said angle is substantially bisected by a plane passing through the axis of the shaft, means for oscillating the agitator, and means operated from the drum shaft for actuating the oscillating means.

2,151,945
PHENOLIC RESINS
James E. Symonds, Mount Vernon, N. Y.
No Drawing. Application July 31, 1936, Serial No. 93,615
6 Claims. (Cl. 260—57)

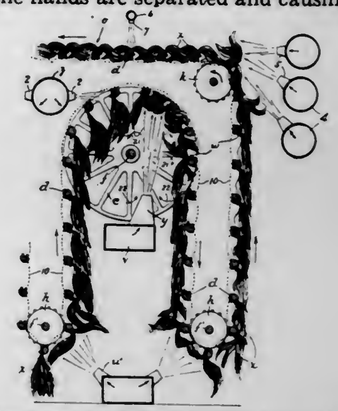
1. The method of making transparent cast phenolic resins which comprises preparing a liquid substantially anhydrous condensation product by the reaction of a substantially anhydrous mixture of a phenol and a polymeric formaldehyde in the proportions of about two to three methylene groups for each phenol group, said condensation product being prepared by a method which includes the step of heating the same at reduced pressure until the condensation product is substantially anhydrous, adding to said liquid substantially anhydrous condensation product a small percentage of an organic acid sufficient in amount to render the product slightly but distinctly acidic, heating the resulting acidic product for about three hours under reduced pressure at about 75° C. to effect further condensation and form a condensation product which is liquid and substantially anhydrous, introducing such condensation product into molds, and curing the same by prolonged heating.

2,151,946
CAST PHENOLIC RESINS
James E. Symonds, Mount Vernon, N. Y.
No Drawing. Application July 31, 1936, Serial No. 93,616
6 Claims. (Cl. 260—57)

1. The method of making cast phenolic resins which comprises preparing a liquid substantially anhydrous condensation product by the reaction of a substantially anhydrous mixture of a phenol and a polymeric formaldehyde in the proportions of about two to three methylene groups for each phenol group, said condensation product being prepared by a method which includes the step of heating the same at reduced pressure until the condensation product is substantially anhydrous, adding to said liquid substantially anhydrous condensation product a small percentage of an organic acid sufficient in amount to render the product slightly but distinctly acidic, heating the resulting acidic product for about three hours under reduced pressure at about 75° C. to effect further condensation and form an acid condensation product which is liquid and substantially anhydrous, admixing anhydrous glycerin with the resulting acid condensation product, thereafter adding a further small amount of acid to impart opalescence or opacity to the product, introducing such product into molds, and curing the same by prolonged heating.

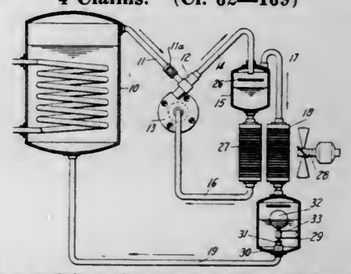
2,151,947
METHOD FOR CONDITIONING TOBACCO
Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 18, 1935, Serial No. 27,174
13 Claims. (Cl. 131—55)

3. The method of conditioning tobacco which includes subjecting hands of tobacco secured at their butt ends only to a conditioned gas in a chamber, while moving the tobacco alternately in a substantially vertical path with the hands in a shingled relationship and in an arcuate path in which the hands are separated and causing other



conditioned gas to penetrate into the hands at a point in the movement of the tobacco in an arcuate path when the hands are separated.

2,151,948
APPARATUS FOR EFFECTING REFRIGERATION
Edward T. Turner, Dayton, Ohio
Application April 26, 1934, Serial No. 722,446
4 Claims. (Cl. 62—169)

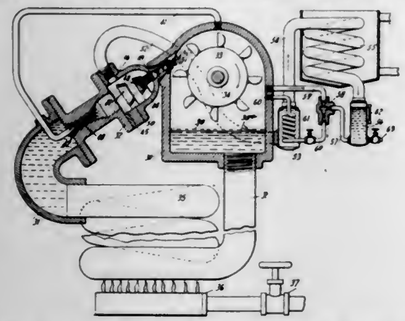


1. In a refrigerating apparatus, an evaporator, a pump for circulating a liquid, a separator, a conduit connecting the outlet of said pump with said separator, means for delivering vaporized refrigerant from said evaporator to said conduit and for causing the same to be compressed by the liquid therein and carried by said liquid to said separator, a return conduit leading from said separator to the inlet of said pump, means for circulating a cooling medium about a portion of said return conduit, a condenser connected with said separator to receive the compressed vapor therefrom and arranged to be acted upon by said cooling medium before said medium acts on said return conduit, and a return conduit leading from said condenser to said evaporator.

2,151,949
METHOD AND APPARATUS FOR CONVERTING HEAT ENERGY INTO MECHANICAL ENERGY
Edward T. Turner, Dayton, Ohio
Application July 30, 1934, Serial No. 737,601
31 Claims. (Cl. 60—40)

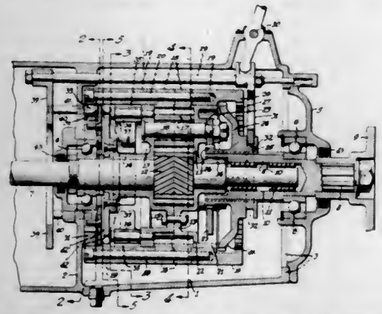
1. The method of converting heat and pressure energy into mechanical energy which comprises mixing vapor under pressure with a propellant under high pressure, expanding said vapor within and about said propellant and con-

verting propellant and vapor pressure and heat energies into propellant velocity energy, and con-



verting said propellant velocity energy into pressure energy and into mechanical energy.

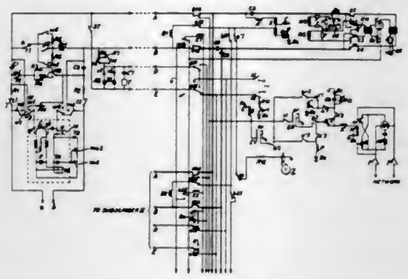
2,151,950
TRANSMISSION
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, a corporation of Michigan
Application January 24, 1936, Serial No. 60,571
1 Claim. (Cl. 74—260)



In a transmission having a rotatable drum and a rotatable element therein, a stationary element adjacent said drum, a brake between said drum and stationary element, said brake comprising a series of rollers contacting a surface of said drum and inclined surfaces on said stationary element whereby they normally prevent rotation of the drum in one direction, and means for moving said rollers to a position wherein they are inoperative to prevent rotation of the drum, said last named means having extended portions adapted to engage said rotatable element when said rollers are rendered inoperative.

2,151,951
ELECTROMAGNETIC RECORDING SYSTEM
William H. Warren, San Francisco, Calif., assignor to International Standard Electric Corporation, New York, N. Y.
Application September 28, 1936, Serial No. 102,970
In Germany September 27, 1935
17 Claims. (Cl. 179—6)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. An electromagnetic recording system comprising an electromagnetic recording machine at a central station, a plurality of subscribers' lines connecting subscribers' stations to said central station over speech frequency paths, push button switches at each subscriber's station for completing various operating circuits over said speech path, and relays at said central station controlled

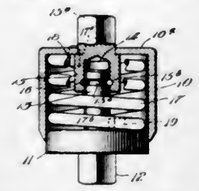


by completion of said operating circuits for establishing different states of operation of said electromagnetic recording machine.

2,151,952
LUBRICATING TEXTILE FIBERS AND THE LIKE AND PRODUCT
Ludwig W. Wasum, Germantown, Pa., assignor to The Kessler Chemical Corporation, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application August 8, 1938, Serial No. 223,699
10 Claims. (Cl. 28—1)

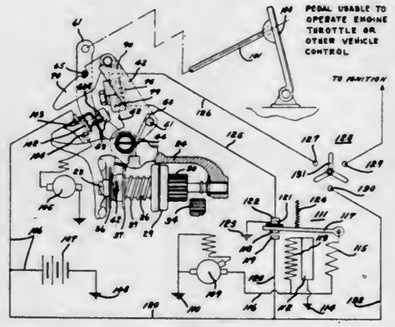
1. The process of treating textile fibers, synthetic yarns, and the like, which includes applying thereto a halogenated fatty acid ester of an alcohol.

2,151,953
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Fred G. Wacker and Grace J. Wacker, Lake Forest, Ill.
Application March 6, 1937, Serial No. 129,357
4 Claims. (Cl. 265—1)



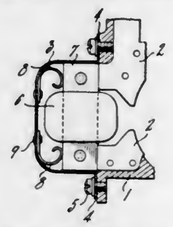
1. In structure of the class described, a pair of relatively rotatable members, means on one of said members through which it is engaged with the work, means on the other of said members by which rotational movement may be applied thereto, both said means being so constructed and arranged that either of said members may be connected with the work with the other member adapted to have rotational movement applied thereto, permitting the structure as a whole to be used in an upright or an inverted condition, a torsion spring between said members and having one end positively connected to one of said members and the other end positively connected to the other of said members so that said spring yieldingly opposes relative rotation of said members in one direction in either the upright or inverted position of the structure, and means associated with said members for visually indicating the extent of relative rotation thereof as opposed by said spring.

2,151,954
ENGINE STARTER
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 7, 1938, Serial No. 194,282
14 Claims. (Cl. 290—37)



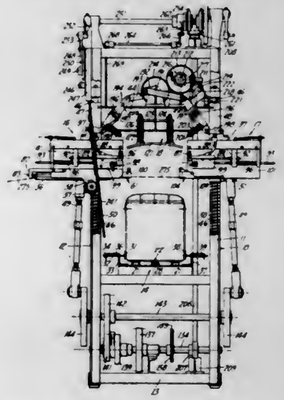
1. A starter for internal combustion engines comprising an electric motor, a current source, a mechanism for connecting the motor with the engine to be started and including an overrunning clutch driven by the motor and a pinion driven by the clutch and movable into mesh with the flywheel gear of the engine to be started, a pinion shifting member for meshing the pinion, a spring for demeshing the pinion, a starter switch actuated by said member, a pedal operated member, disconnectible means connecting said pedal member and pinion shifting member and comprising normally connected latch parts carried respectively by said members, said latch parts being so related that pressure exerted between them tends to unlatch them, an electromagnet effective to hold the latch parts in engagement during the engine starting operation, and means responsive to self-operation of the engine for rendering the electromagnet inoperative whereby the means connecting the members becomes disconnected due to pressure exerted between the latch members and the spring is released to demesh the pinion regardless of failure to release the pedal operated member.

2,151,955
STATOR STRUCTURE FOR DYNAMO-ELECTRIC MACHINES
William D. Crocker, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application June 3, 1937, Serial No. 146,143
2 Claims. (Cl. 171—209)



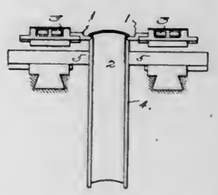
1. In a rotatable dynamo electric machine, a coil, a laminated core for said coil forming a part of the magnetic circuit of the stator of said machine and having ends projecting from each end of said coil, a non-magnetic metal housing, laminated polepieces fixed in said housing cooperating with the projecting ends of said core, a cover for said coil and core detachably mounted upon said housing, resilient means compressed between said cover and core for forcing said core into contact with said polepieces, whereby said coil and core are freely removable from said machine upon detachment of said cover, and a rotor completing the magnetic circuit of said stator.

2,151,956
BOX STRAPPING MACHINE
Ralph E. Cruse, Oakland, Calif., assignor, by mesne assignments, to Acme Steel Company of Illinois, Chicago, Ill., a corporation of Illinois
Application March 6, 1933, Serial No. 659,761
Renewed April 12, 1938
23 Claims. (Cl. 1—10)



1. In a machine for the strapping of boxes and the like, means for presenting a box in a box-strapping position, means for applying a strap across the upper face of the box with the end portions of the strap extending downwardly along two vertical sides, the strap being of a length insufficient to entirely encompass the box, means for nailing the end portions of the strap to the box, and means for tucking the ends of the strap into the box.

2,151,957
METHOD OF CREASING THE JOINTS OF BOOKS
Robert A. Davis, Chicago, Ill., assignor to The Smyth Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application July 22, 1936, Serial No. 91,863
7 Claims. (Cl. 11—1)



1. The method of finishing the binding of a book that has its cover adhered to the sides thereof which comprises exerting pressure a plurality of times to opposite sides of the cover along lines parallel to and a short distance from the edges of

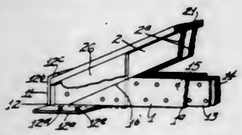
the backs of the cover and book and forcing the joints of the cover into the joints of the book, the pressure on the cover being relieved between each two successive compressions and the pressure of each compression being insufficient to mar the material of the cover, but the total effect of the pressures being sufficient to unite the cover joints and the book joints and establish creases in opposite sides of the cover.

2,151,958
HYDROPLANE HULL
Ernest Williams Easthope, Everett, Wash.
Application February 1, 1937, Serial No. 123,349
6 Claims. (Cl. 114—66.5)



1. A hydroplane hull having a forward and a rear step, side boards extending downwardly into the water adjacent to and below the rear step to confine the air stream passing under the hull, a pair of transversely spaced planing surfaces mounted between the lowermost levels of the rear step and in contact with the side boards, whereby said planing surfaces are adapted to plane upon the water surface and to maintain the air gap developed by the air stream blowing under the rear step substantially constant under a given hull speed.

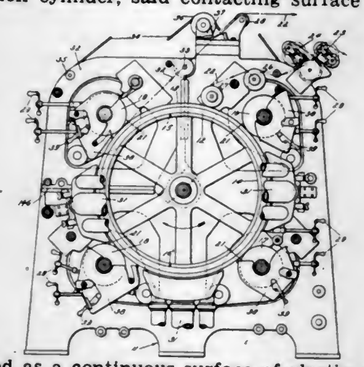
2,151,959
ROOF TRUSS
John S. Edison, Los Angeles, Calif., assignor to Wm. P. Neil Company, Ltd., Los Angeles, Calif., a corporation of California
Application September 15, 1936, Serial No. 100,887
10 Claims. (Cl. 108—23)



1. In a roof truss, a shoe for the truss consisting of a horizontal plate having at its outer edge an upwardly bent flange and at the upper edge of the latter a portion extending forwardly and upwardly at an angle to the horizontal plate, said shoe having a long web at the median portion of the shoe and extending from the upwardly bent flange over and considerably beyond the horizontal plate, and bottom chord and top chord members, each chord comprising a pair of horizontally spaced apart timbers, said pairs of timbers extending divergingly outwardly, with respect to each other, from the shoe between the horizontal plate and the flange, said web being positioned between and secured to the members of each pair.

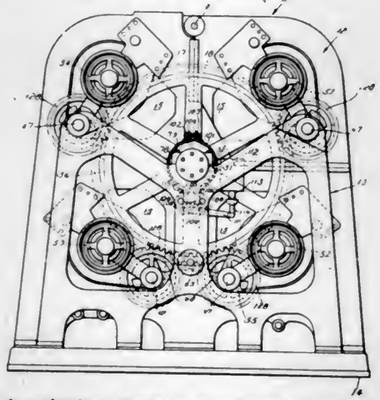
2,151,960
PRINTING METHOD AND APPARATUS
Emil Ericksson, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application April 27, 1936, Serial No. 76,686
12 Claims. (Cl. 101—152)

1. A printing press for Rotogravure or intaglio multi-color printing comprising a common impression cylinder provided with a web contacting surface permanently bonded thereto and a plurality of printing cylinders spaced about said impression cylinder, said contacting surface being



formed as a continuous surface of elastic or resilient material ground to precision.

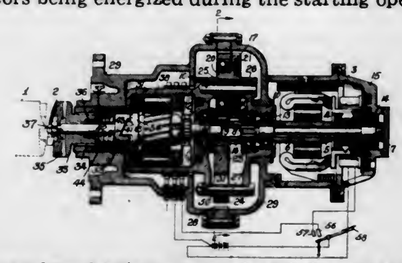
2,151,961
CLUTCHING AND DRIVING MECHANISM
Emil Ericksson, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Original application September 22, 1932, Serial No. 634,406. Divided and this application September 5, 1936, Serial No. 99,670
24 Claims. (Cl. 101—171)



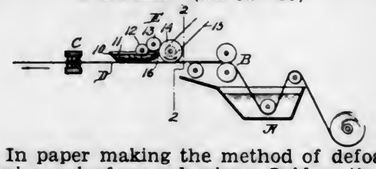
1. A printing press comprising an impression cylinder, a printing cylinder, means to drive said printing cylinder, said driven printing cylinder normally driving said impression cylinder; and means to accelerate and initially drive said impression cylinder from said printing cylinder drive means.

2,151,962
ELECTRIC STARTER FOR COMBUSTION ENGINES
Albert S. Fisk, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 15, 1936, Serial No. 74,415
Renewed April 12, 1938
8 Claims. (Cl. 290—38)

1. In an electric starter for combustion engines, an engine engaging member, a main electric motor, reduction gearing connecting said motor and member to rotate said member slowly with large available torque, an auxiliary relatively small electric motor of low torque, both said motors being energized during the starting operation, and mechanism operated solely by said auxiliary motor for advancing said member into engagement with the engine.

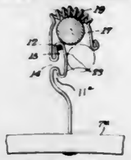


2,151,963
METHOD OF ELIMINATING FOAM AND FROTH FROM THE SURFACES OF FLUIDS AND SEMIFLUIDS
Erling Fladmark, Lawrence, Mass.
Application November 12, 1934, Serial No. 752,692
6 Claims. (Cl. 91—68)



1. In paper making the method of defoaming a moving web of paper having a fluid coating film applied thereto which consists in utilizing the movement of said web to distribute a defoamer agent directly upon the surface of said film.

2,151,964
SUPPORTING HOOK FOR GARMENT HANGERS
Margaret Gay, Jackson Heights, N. Y.
Application June 9, 1937, Serial No. 147,240
6 Claims. (Cl. 24—230.5)



4. A supporting hook for a garment hanger comprising a supporting hook and a clothes line clamp adjacent the entrance to said hook and having an inclined cam face opposite the end of the hook to act as an inclined guide in engaging the hook over a supporting rail.

2,151,965
HAIR CLIPPER
John A. Hanley, Noroton, Conn., assignor to Clipshave Inc., Port Chester, N. Y., a corporation of New York
Application April 5, 1937, Serial No. 134,986
19 Claims. (Cl. 30—43)

1. In a hair clipping apparatus of the type comprising an inner serrated plate and an outer plate having an inturned flange sheathing the serrated plate and slotted to form shearing teeth coacting with those of said serrated plate; the combination in which the shearing coaction between the two plates is localized at the margins thereof, in which the sheathing flange is curved for resilient engagement with the under face of the inner

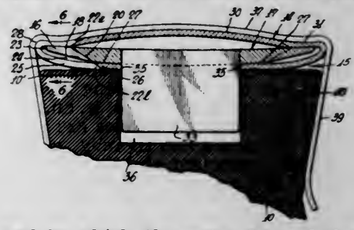
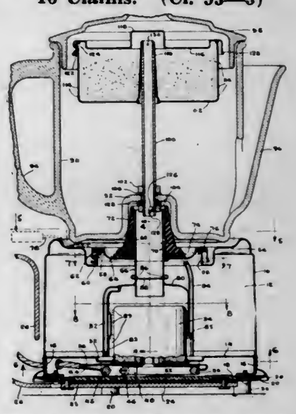


plate and in which the outer face of the inner plate is free from engagement with the outer plate beyond the shearing margins of contact.

2,151,966
APPARATUS FOR MAKING INFUSIONS
Harry Dorr Harper, Minneapolis, Minn., assignor to Margaret Kruse Harper, Minneapolis, Minn.
Application January 18, 1937, Serial No. 121,224
16 Claims. (Cl. 53—3)



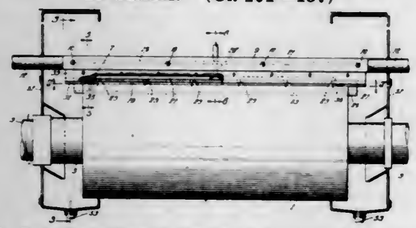
1. In apparatus for making infusions, the combination of a chamber for infusing liquid, a receptacle for holding the material to be infused, means for delivering the liquid in a stream to said receptacle by utilizing gaseous pressure on the top surface of the liquid in said chamber, and a heating means for producing said gaseous pressure and for heating said stream to infusing temperature as it is being delivered.

2,151,967
FLESH FOODS AND THE PRESERVATION THEREOF
Carl A. Hedreen, Seattle, Wash., and Harry R. Beard, Vancouver, British Columbia, Canada, assignors to New England Fish Company, Seattle, Wash., a corporation of Maine
No Drawing. Application June 11, 1934, Serial No. 730,150
11 Claims. (Cl. 99—195)

4. In the preservation of flesh food articles involving freezing and subsequent refrigerated storage or shipment, the method which comprises refrigerating the articles to a temperature within the sub-zero range, and before the average temperature of the articles can rise appreciably above 0° F., glazing the articles under the influence of their own refrigeration by subjecting

them to an aqueous glazing bath of a higher temperature and incorporating, in solution, material from the class of edible water-soluble materials non-injurious to said articles and adapted to lower the freezing point of the solution, and regulating the concentration of the solution to maintain the solute therein in amounts at least .1% by weight when the articles being glazed have a temperature in the vicinity of 0° F. and at greater concentrations when the articles are at substantially lower temperatures, thereby rendering the resultant glaze tenacious and highly resistant to cracking and like damage, but limiting the maximum concentration to less than that which would produce mushiness of the glaze at normal cold storage or shipping temperatures above the original refrigerating temperature.

2,151,968
FOUNTAIN DOCTOR
Charles L. Henderson, Appleton, Wis., assignor, by mesne assignments, to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application July 27, 1936, Serial No. 92,801
15 Claims. (Cl. 101—157)

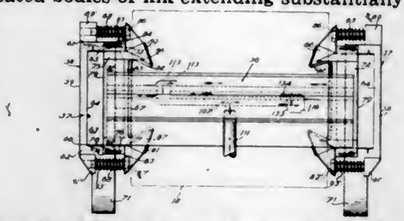


1. In apparatus of the class described, a unitary structure for accomplishing the continuous inking of a moving printing surface which includes a doctor blade, a sealing blade spaced some distance therefrom, said spaced blades defining two of the sides of an elongated, relatively narrow ink passageway which is open at the ends thereof, and means for supporting said blades in such manner that both bear on the moving printing surface to be inked, that surface forming another of the sides of said ink passageway and the longitudinal axis of said passageway being arranged generally at right angles to the normal direction of movement of the printing surface, and means for causing liquid ink to flow longitudinally through said ink passageway in contact with said printing surface and out the open ends thereof.

4. The method of continuously inking the moving printing surface of a printing cylinder which consists in subjecting a relatively narrow section or the printing surface of the cylinder to a transversely flowing stream of liquid ink which stream is directed against the printing surface of the cylinder and is maintained in contact therewith under at least a slight pressure by a pair of transversely extending spaced blades which bear directly upon the surface of the cylinder, and removing said stream adjacent the ends of the cylinder.

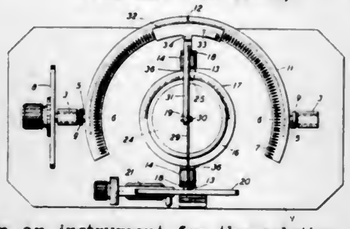
2,151,969
INKING APPARATUS AND METHOD
Charles L. Henderson, Appleton, Wis., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application June 9, 1938, Serial No. 212,793
20 Claims. (Cl. 101—157)

1. A method of inking a moving printing surface which comprises the steps of subjecting that surface to a plurality of successively acting agitated bodies of ink extending substantially trans-



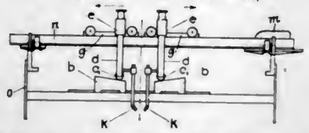
versely of the direction of movement of said printing surface and then removing surplus ink from said surface.

2,151,970
INSTRUMENT FOR THE SOLUTION OF THE ASTRONOMICAL TRIANGLE
Charles C. Hobbs, Alameda, Calif.
Application August 28, 1936, Serial No. 98,423
6 Claims. (Cl. 33—1)



1. In an instrument for the solution of the astronomical triangle, the combination of suitable supports, an hour angle arc and a declination arc mounted to rotate on the same axis, a declination indicator movable along said declination arc, a latitude arc mounted to rotate on an axis in the same horizontal plane with and at right angles to the axis of said hour angle and declination arcs, an azimuth circle mounted to rotate on an axis at right angles to the axis of said latitude arc, an azimuth plate mounted to rotate about the axis of said azimuth circle, an altitude arc mounted to rotate on an axis at right angles to the axis of said azimuth circle, all rotatable elements so mounted with respect to each other that their axes of rotation intersect at a common point, an altitude index arm engaging said altitude arc and declination indicator causing the free elements to rotate simultaneously about the intersection of their axes when force is applied to rotatable elements, indicators for said rotating elements, substantially as described.

2,151,971
APPARATUS FOR SURFACE HARDENING THE TEETH OF DOUBLE HELICAL GEARS
Hermann Holler, Frankfort-on-the-Main, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 23, 1936, Serial No. 60,527
In Germany January 23, 1935
3 Claims. (Cl. 266—5)

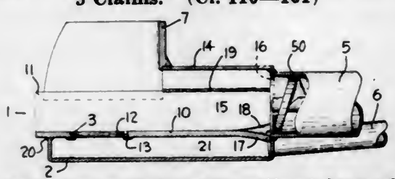


1. Apparatus for surface hardening teeth of double helical gears by heating them by means of the blow-pipe flame which comprises a pair of burners mounted adjacent the gear to be hardened, mechanically driven carriages movable essentially in the direction of the axis of the gear to be hardened carrying supporting means for said burners, means coacting with the burner supports for guiding the burners in predetermined paths and means for simultaneously moving the carriages in opposite directions in such a manner as to move the burners along a tooth from the middle line of the periphery of the gear to the respective edges thereof.

2,151,972
PROVIDING CAST-IRON ARTICLES WITH A CELL-LIKE SURFACE
John William Howlett, Lymington, England
No Drawing. Application June 8, 1938, Serial No. 212,596. In Great Britain October 5, 1937
7 Claims. (Cl. 148—8)

6. A piston-ring formed of cast iron containing more than 0.15% of phosphorus and having a polygonal network formed by the phosphorus rich constituent, said ring having a cell-like surface formed by the ring being treated chemically by the ring being subjected to a solution of a copper salt until it is coated with a layer of copper and then subjected to an acid solution which will dissolve copper so that the material within the polygonal network, formed by the phosphorus-rich constituent, will be removed to some extent to leave the phosphorus-rich constituent in relief.

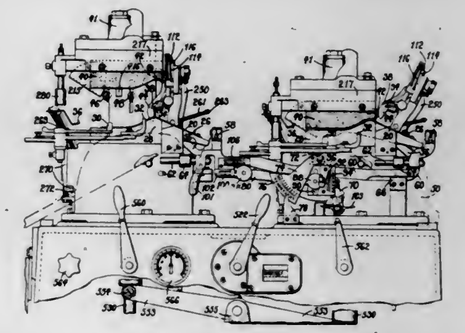
2,151,973
BURNER UNIT
Roy Johnson, Seattle, Wash.
Application May 18, 1936, Serial No. 80,335
5 Claims. (Cl. 110—101)



4. A burner unit for automatic stokers of the overfeed type, comprising a hearth having an unobstructed edge constituting a discharge end for passage of ashes thereover, its opposite end constituting a fuel feed end, side walls integral with said hearth and upstanding from opposite sides thereof, a hood covering a portion of said hearth and the adjacent portions of the side walls at the feed end thereof, a grate in said hearth, outside of the hood, a fuel supply conduit to deliver fuel to the feed end of said hearth and beneath said hood, and a U-shaped apron of a size to seat upon the uncovered portions of said side walls and that edge of said hood which is remote from the supply conduit, and extending upwardly well above said hood and side walls.

2,151,974
MACHINE FOR ASSEMBLING SHOE PARTS
Frank Kennison and Frank E. Stratton, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 16, 1937, Serial No. 164,206
24 Claims. (Cl. 12—17)

1. In a machine for assembling shoe parts, a pair of assembling mechanisms each having an adjustable gage for positioning a shoe part with respect to its associated mechanism, two members one associated with each gage to support and adjust the latter, and a unitary member at-



tached to said gage supporting members and movable to effect simultaneous adjustment of the gages, said unitary member being of a length related to the distance between said gages and being slidably mounted for movement in the direction of its length to adjust the gages.

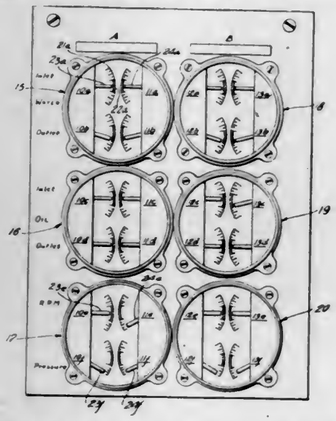
2,151,975
VARNISH
Harry Kline, Plainfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1935, Serial No. 53,424
15 Claims. (Cl. 260—53)

1. Varnish composition comprising a solvent and a synthetic resin dissolved therein, said resin being the product resulting from reacting a methylene body with a phenolic body having a molecular weight higher than phenol in the presence of a catalyst of the formula $(alkyl)_2N—R$ where R is selected from the group consisting of hydrogen and alkyl radicals, stopping the reaction while water soluble reaction products are present in the reaction mass, dehydrating to remove water but substantially none of the water soluble reaction products, said resin in the varnish containing substantially all of the reaction products of the methylene body and the phenolic body including those which are water soluble.

2,151,976
INSTRUMENT ARRANGEMENT FOR AIRCRAFT MOTORS
Paul Eduard Köster, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application May 15, 1937, Serial No. 142,750
In Germany May 15, 1936
2 Claims. (Cl. 244—1)

1. In a device of the character described including a plurality of similar indicating devices responsive to change of flight conditions, comprising at least one for each of a plurality of motors, each device being provided with a pointer, said devices being so designed that the pointer indications are aligned at a desired flight condition and said pointers presenting a symmetrical visual indication with change in said flight con-

ditions during similar operation of said motors and said pointers presenting a non-symmetrical



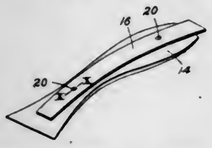
visual indication upon deviation of said motors from similar operation.

2,151,977

SHANK PIECE AND METHOD OF MAKING THE SAME

Renfrew D. Laird, Brockton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 5, 1937, Serial No. 124,280
4 Claims. (Cl. 12—146)



4. That improvement in methods of making fabricated shank stiffener units which consists in punching a plurality of bell-mouthed tack-receiving holes in an unhardened steel stiffener strip and in the course of said operation striking up a group of downwardly converging spurs adjacent to each of said holes, hardening said strip, assembling said strip and a filler piece of fibrous sheet material in face-to-face relation with the spurred side of the strip facing the filler piece, and driving headed tacks of soft metal through said holes and through said filler piece and in the course of said operation embedding said spurs in the filler piece, seating the heads of the tacks within the bell-mouthed portions of said holes, wedging the soft shanks of the tacks tightly between the hardened points of said spurs thereby causing the spurs tightly to grip the tacks, and clenching the points of the tacks against the outer side of the filler piece.

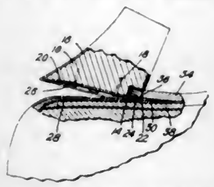
2,151,978

HEEL

John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application May 7, 1937, Serial No. 141,224
6 Claims. (Cl. 36—34)

1. A heel adapted for interengagement with the heel ends of short soles of different thicknesses, said heel having a sole receiving recess with a transversely curved bottom and a depth greater than the thickness of the sole, and a spring



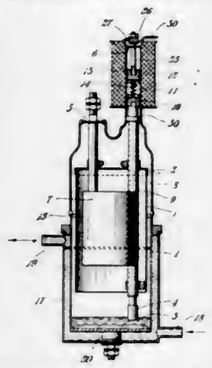
tongue overlying the recess and spaced from the bottom thereof by a distance less than the thickness of the sole.

2,151,979

MERCURY CATHODE DISCHARGE TUBE

Hendrik Lems, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application December 16, 1936, Serial No. 116,198
In Germany December 16, 1935
7 Claims. (Cl. 250—27.5)



1. A discharge tube comprising an envelope, a mercury cathode and a movable member within said envelope, and means to move said movable member comprising a resilient member within said envelope and serving as a current supply conductor to said movable member, said resilient member comprising a resilient core of a metal having a resistivity less than that of molybdenum, and a thin coating of a metal substantially unaffected by mercury, said coating serving solely to protect the core against the influence of the mercury.

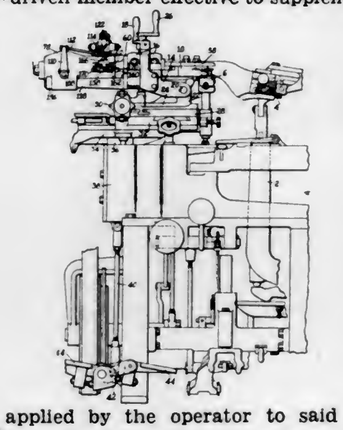
2,151,980

LASTING MACHINE

Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 22, 1937, Serial No. 170,431
28 Claims. (Cl. 12—14)

1. In a lasting machine, the combination with wiping means for wiping the marginal portion of an upper inwardly over the bottom of a last, of a member movable by the operator thus to operate said wiping means, a power-driven member, a clutch for connecting said power-driven member to the wiping means, said clutch being mounted to move idly along with the wiping means in response to the movement of said first-named member, and mechanism for actuating said clutch after the wiping means has been forced inwardly against the upper by the operator to render said power-driven member effective to supplement the



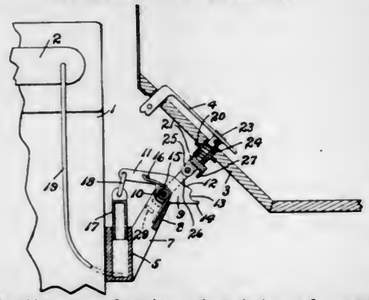
force applied by the operator to said wiping means.

2,151,981

MOTOR VEHICLE ENGINE STARTING

Frank E. Liverance, Jr., Grandville, Mich.

Application July 30, 1934, Serial No. 737,531
13 Claims. (Cl. 123—179)



1. Starting mechanism for internal combustion engines comprising, an electric starting motor, circuit and switch therefor, a movable member for closing said switch, means occupying one position when the engine is at rest, suction means operated by the engine for moving said means to another position when the engine is running and cooperating means on said member and said first mentioned means engaging against each other when the engine is started and the suction thereof begins to operate tending to move said member away from switch closing position.

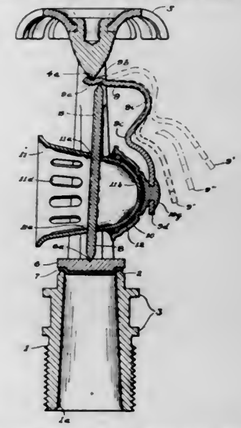
2,151,982

AUTOMATIC SPRINKLER

Albert J. Loepsinger, Providence, and Herbert E. Rose, Warwick, R. I., assignors to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware

Original application February 11, 1933, Serial No. 656,266. Divided and this application January 4, 1937, Serial No. 118,933
5 Claims. (Cl. 169—39)

3. An automatic sprinkler having a frame, a valve for holding the sprinkler closed, and means interposed between said frame and valve imposing a load on the latter; said means comprising a movable spring element capable of being resiliently flexed a predetermined amount to thereby establish a desired load on said valve and thereafter to be further flexed without materially changing said load, and being flexed during the



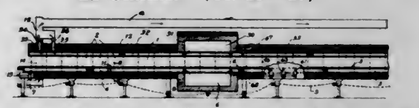
assembly of the sprinkler beyond said predetermined amount and permanently distorted.

2,151,983

METHOD OF AND APPARATUS FOR DECORATING AND ANNEALING GLASSWARE

Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application February 17, 1937, Serial No. 126,190
11 Claims. (Cl. 49—47)



3. Apparatus for decorating and annealing glassware, comprising an elongate tunnel including a plurality of zones, means for transporting glassware to which decorating material has been applied through said tunnel, means in the first of said zones of the tunnel starting at the entering end thereof for progressively increasing the temperature of the ware, means in the second of said zones for maintaining a high temperature in the ware to fuse the decorating material thereon during its passage through this zone, means associated with the third of said zones for rapidly cooling the ware passing therethrough from the temperature in said second zone to an equalizing temperature, said third zone being substantially shorter than said first zone, means associated with the fourth of said zones for maintaining the ware within an equalizing temperature range, and means associated with the remainder of said tunnel for annealing the ware and gradually cooling it to a desired temperature.

2,151,984

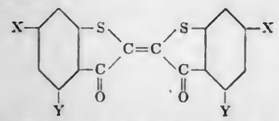
COLORED AROMATIC PHOSPHATE

Clarence L. Moyle and Shailer L. Bass, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 27, 1937, Serial No. 161,284
2 Claims. (Cl. 252—1)

1. A colored liquid composition of matter stable at temperatures above 300° F. against loss of color and suitable for use as an indicating fluid

and the like, comprising a liquid triaryl phosphate and a small amount of a dye having the general formula



wherein Y represents a substituent selected from the group consisting of hydrogen and alkyl, and X represents a substituent selected from the group consisting of hydrogen and halogen.

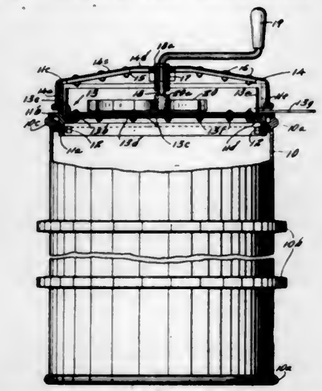
2,151,985
FURNITURE
Percy R. Munroe, Springfield, Mass., assignor to Berkshire Upholstered Furniture Company, Willimansett, Mass., a corporation of Massachusetts
Application November 10, 1937, Serial No. 173,803
1 Claim. (Cl. 155—184)



A new knock-down article of furniture comprising in combination, a pair of spaced vertical side members, a vertical back section extending between the rear sides of the side members and including a relatively rigid vertically-disposed frame member of a certain length and a separate relatively non-rigid upholstering member consisting of a closed envelope of flexible material enclosing upholstering material and flexible flap portions extending upwardly and downwardly respectively from the upper and lower ends of said envelope, said envelope being of less length than said frame member and overlying the upper portion of said frame so that a lower portion of the latter extends below the envelope. the upper of said flexible flap portions being folded to overlie the upper side of said frame and the lower of said flap portions extending downwardly over the forward face of said lower portion of the frame member, both of the flap portions being secured to the frame, a horizontal seat section extending between the side members forwardly of said back section, and means detachably holding said seat and back sections and side members in upstanding assembled relation.

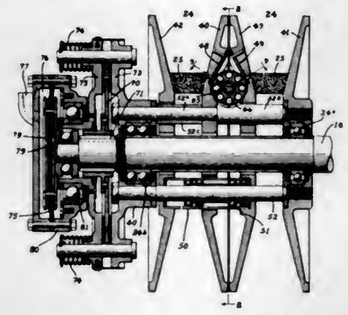
2,151,986
DROSS SIFTER
Leonard G. Olander, Minneapolis, Minn., assignor to The Monomelt Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application June 22, 1936, Serial No. 86,614
3 Claims. (Cl. 209—324)

1. A sifting device for a dross drum, which drum has a cylindrical top and an inwardly projecting flange a short distance below said top having in combination, a member having a cylindrical portion constructed and arranged to fit into said drum within said flange and having an outwardly extending flange thereabout adapted to rest on top of said drum, said member having a second cylindrical portion extending upwardly from said flange and having a second flange extending inwardly therefrom, a sifter having a flat screen, a cylindrical wall surrounding the same disposed within said second cylindrical portion and terminating short of the top thereof and having a flange resting on said second flange for oscillation thereon, a handle secured to said sifter for oscillating the same and extending outwardly through a slot in said second cylindrical portion, an imperforate cover having a cylindrical wall fitting about said sec-



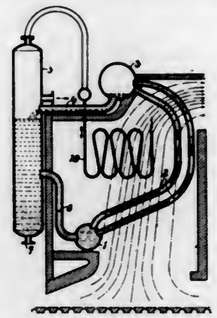
ond cylindrical portion, resting thereon and readily removable therefrom, said cover having a bearing centrally disposed in its top, a shaft extending through said bearing, a rotatable stirrer having a plurality of circumferentially spaced arms disposed within said sifter and above said screen thereof and carried on the lower end of said shaft and a crank handle secured to said shaft above said cover.

2,151,987
REFRIGERATING APPARATUS
Lester E. Perrine, Detroit, Mich., and Charles L. Paulus, Dayton, Ohio, assignors to General Motors Corporation, a corporation of Delaware
Application September 1, 1934, Serial No. 742,490
9 Claims. (Cl. 74—230.17)



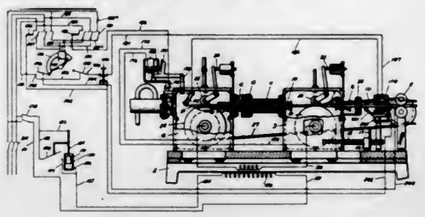
6. A variable ratio drive including a compound pulley having a shaft, a pair of axially movable, relatively fixed flanges on said shaft, a pair of axially fixed flanges on said shaft, said flanges forming two V-shaped grooves on said pulley, a flange on one of said pairs cooperating with a flange on the other of said pairs to form diverging surfaces, a centrifugal weight between said diverging surfaces and acting to vary to width of said grooves, and clutch means for drivingly connecting and disconnecting said flanges to said shaft.

2,151,988
WATER TUBE BOILER
Ermín Pokorný, Prague, Czechoslovakia
Application February 4, 1937, Serial No. 124,128
In Czechoslovakia February 11, 1936
3 Claims. (Cl. 122—321)



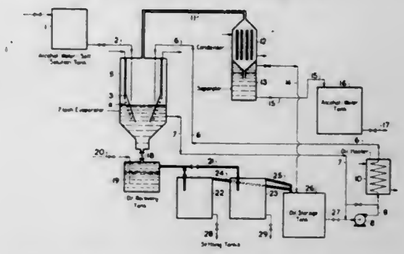
1. A water tube boiler having a definite intensive natural water circulation for all steam pressures, comprising a furnace chamber, a lower water drum disposed in said chamber, an upper collector arranged outside the furnace chamber, steeply inclined water tubes passing through the furnace chamber and connecting said water drum to the upper collector, at least one container provided outside the furnace chamber, the upper portions of said container constituting a steam chamber and the lower portion a water chamber, a tube connecting the upper collector to the steam chamber of the container, and means connecting the water chamber of the container to the water drum, the outlets of the water tubes in the upper collector being outside the furnace chamber and above the inlet of the tube connecting the collector to the steam chamber of the container to prevent any back flow of water through the water tubes.

2,151,989
APPARATUS FOR COPPER WELDING OR HEAT TREATING TUBING OR OTHER LONG LENGTHS OF METAL
Bert L. Quarnstrom, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application November 16, 1935, Serial No. 50,212
7 Claims. (Cl. 219—12)



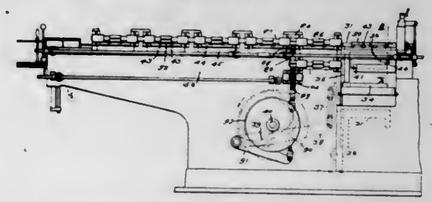
1. In an apparatus for heating by electrical resistance a longitudinally moving relatively long length of metal comprising, longitudinally spaced electrodes, a closure for each electrode, a tubular structure connecting the closures through which the strip of metal extends and including telescoping tubular members with a sealing slip joint, and means for adjusting one of the closure members with its electrode therein toward and away from the other closure member to vary the spacing between the electrodes.

2,151,990
RECOVERY OF ORGANIC COMPOUNDS
Jan D. Ruys, Pittsburg, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 19, 1938, Serial No. 191,417
7 Claims. (Cl. 202—74)



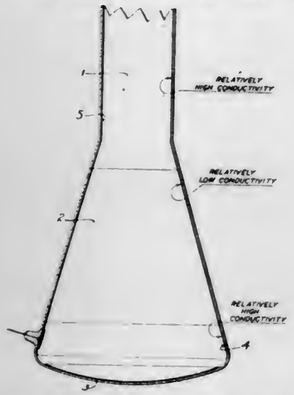
5. In a flash distillation process for the recovery of a polyhydric alcohol from an aqueous solution containing a polyhydric alcohol and a dissolved salt, the steps which comprise contacting the polyhydric alcohol-water-salt solution with a liquid boiling under the existing pressure at a temperature above that at which said flash distillation is effected and which is substantially immiscible with the polyhydric alcohol and water and in which said salt is substantially insoluble, said liquid being maintained at a temperature sufficiently high to substantially completely flash off the polyhydric alcohol but below that at which substantial decomposition of said alcohol takes place, leaving the salt in admixture with the heated liquid, removing salt from said liquid and further contacting the liquid with polyhydric alcohol-water-salt solution.

2,151,991
MACHINE FOR CREASING THE JOINTS OF BOOKS
Carl Schramm, North Coventry, Conn., assignor to The Smyth Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 12, 1937, Serial No. 125,443
24 Claims. (Cl. 11—1)



1. A machine for creasing the joints of books which comprises a frame, mechanism for advancing books that have their covers adhered to the sides thereof, in succession, step by step, along the frame, a plurality of pairs of reciprocatory creaser jaws supported by the frame each side of the path of the books, and arranged to engage and crease the covers in lines parallel with and a short distance in from the edges of the backs of the covers and books, mechanism for opening the pairs of creaser jaws from the path of the books, and mechanism for closing the pairs of creaser jaws against the opposite sides of the covers of the books and exerting heavy pressure along the line of their joints when the books are stationary.

2,151,992
WALL COATING FOR BRAUN TUBES
Erich Schwartz, Berlin-Zehlendorf, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf near Berlin, Germany
Application April 6, 1936, Serial No. 73,006
In Germany November 30, 1934
1 Claim. (Cl. 250—160)



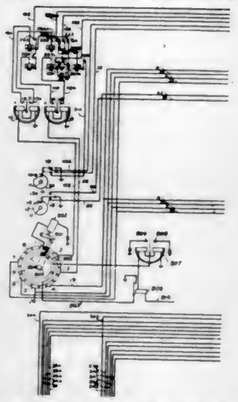
In a tube of the cathode ray type comprising an evacuated envelope having a neck portion at one end arranged to receive an electron gun and having a fluorescent screen disposed at the opposite end thereof, a thin light absorbing coating on said envelope intermediate said neck portion and said screen comprising a mixture including finely divided carbon and an adhesive binder, the resistance of said mixture varying with the percentage of said adhesive binder, said coating having a predetermined percentage of said adhesive binder therein to determine its resistance, and means for establishing an electrical connection to said coating comprising a metallic element supported by said envelope and a coating of greater conductivity than said first-mentioned coating, in contact with said metallic element and said first-mentioned coating.

2,151,993
BALL EJECTOR
Edward F. Sears, Seattle, Wash.
Application April 4, 1938, Serial No. 200,051
2 Claims. (Cl. 206—42)



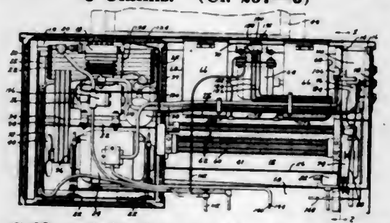
1. A ball ejector consisting of a slender elongated barrel having a ball containing chamber extending substantially the full length thereof, said chamber limited in cross sectional area to the passage of one ball at a time, a discharge member threadedly connected to said barrel and having a passage therethrough equal to and forming a continuation of the ball chamber, said discharge member having a reduced end portion, a dust cap installed on the outer reduced end of the discharge member, a thumb-screw threaded transversely into the discharge member and forming an obstruction of its passage, and said thumb-screw having a single recess therein equal in size to said passage and arranged to be alternatively brought into registration therewith and with the ball containing chamber by rotating the thumb-screw in reverse directions.

2,151,994
AUTOMATIC STOCK QUOTATION BOARD
Clyde Smith, Hopkinsville, Ky., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 10, 1929, Serial No. 398,634
17 Claims. (Cl. 177—353)



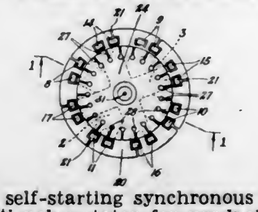
12. In an automatic stock quotation board, in combination, a plurality of groups of stocks having either a single letter odd, a single letter even or a double letter designation, means for selecting a stock having one of said designations, code selector devices for operating said last-mentioned means, a plurality of storage relays for selectively operating said code selector devices, a distributor for operating said storage relays, translation control relays for predetermining which of said storage relays are to be connected to said distributor, and switching means for selectively operating said translation control relays.

2,151,995
REFRIGERATING APPARATUS
Nelson J. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 29, 1935, Serial No. 13,710
3 Claims. (Cl. 257—3)



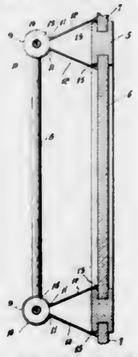
1. Self-contained air conditioning apparatus comprising in combination, a liquefying unit, means forming an insulated compartment therefor, a refrigerant evaporator connected to said liquefying unit, means forming an air duct enclosing said evaporator and having an outlet communicating with a space to be air conditioned, an inlet communicating with said space, and a second inlet communicating with a fresh air supply, means for circulating air through said duct, heating means in said duct, means for varying the ratio between the quantities of air withdrawn through said inlets, and sectional sprays for supplying moisture to said heating means.

2,151,996
SELF-STARTING SYNCHRONOUS MOTOR
Emil Spahn, Zug, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland
Application June 1, 1936, Serial No. 82,779
In Switzerland August 22, 1935
3 Claims. (Cl. 172—275)



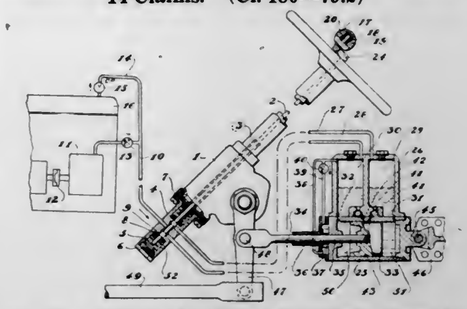
2. In a self-starting synchronous motor having a multi-polar stator for producing a rotary field, a rotor comprising a disc-like sheet steel member having a high degree of magnetic saturation and therewith a high magnetic remanence sufficient to produce in cooperation with the stator rotary field which cooperates with the peripheral portion of the disc, a high starting torque by the hysteresis whereby short circuiting windings are unnecessary, and said rotor disc having a plurality of narrow slits extending through the peripheral portion of the rotor and inwardly thereof beyond the stator cooperating portion, and each slit terminating in an enlarged opening producing a closely spaced multiplicity of relatively long circumferential rotor elements effective to prevent slip of remanent poles and maintain a synchronous speed of the rotor the same as that of the stator rotary field.

2,151,997
RADIO ANTENNA FOR MOTOR VEHICLES
Alfred J. Springer and Chester B. McMillan, Oklahoma City, Okla.
Application November 12, 1936. Serial No. 110,512
1 Claim. (Cl. 250—33)



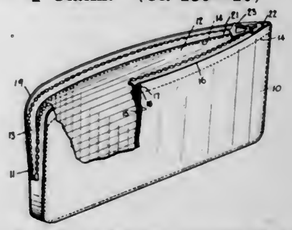
In combination, a motor vehicle having a window frame with a glass pane in the frame, of an antenna carried by said frame in laterally spaced relation thereto, said antenna including a wire, insulators arranged at spaced intervals of said wire and means for supporting the antenna on the window frame including brackets each formed of a strip of resilient metal bent upon itself to provide a partially closed loop at the bight thereof clampingly engaged with an insulator, legs diverging from the loop portion of the bracket and normally movable towards each other and an angle foot on the free end of each leg with the two feet directed towards each other and adapted for bighting engagement with the windshield frame.

2,151,998
STEERING BOOSTER
William Stelzer, Detroit, Mich.
Application March 15, 1937, Serial No. 131,001
14 Claims. (Cl. 180—79.2)



1. In a steering booster, a hydraulic power actuator, incompressible fluid in said power actuator, enclosed incompressible fluid exterior of said hydraulic power actuator in communication therewith through restricted passages, and a source of gaseous fluid under pressure to operate said hydraulic power actuator pneumatically outside of said hydraulic power actuator, the application of said gaseous fluid being controlled by the relative movement between the point of application of the manual force of the operator and the steering linkage due to the yield of a resilient member, whereby said movement is transmitted to operate a follow-up valve.

2,151,999
CONTAINER
Ferne Stember, East Orange, N. J.
Application July 30, 1937, Serial No. 156,493
1 Claim. (Cl. 150—10)



In a container as herein described, the combination with a container body having a mouth at the top and one end thereof, of an interlocking means secured thereto to close the mouth thereof which extends over the top and one end of said body, and a substantially U-shaped spring member secured to the body along opposite edges of said top with the open end of said U-shaped member adjacent the open end of the body and in cooperative relation with said interlocking means so as to open said mouth when said interlocking means is disengaged and to hold said interlocking means in ready engageable position while the latter is disengaged.

2,152,000
WINDOW BLIND
Harry L. Stone, New York, N. Y.
Application June 4, 1938, Serial No. 211,713
8 Claims. (Cl. 156—16)

1. A window blind comprising, a flexible curtain composed of a plurality of hollow slat members, each of said slat members having a tapered

upper edge and a grooved lower edge fitting the tapered edge, links for flexibly connecting the slats together, said links being slotted at their op-



posite ends, the slotted ends of the links being located within the slats, and pins within the slats passing through the slots in the links.

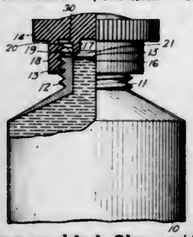
2,152,001

COLLAPSIBLE TUBE AND CAP THEREFOR

George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application April 7, 1938, Serial No. 200,639

8 Claims. (Cl. 221—60)



1. A one-piece molded film cutting cap for a collapsible tube having a sealing film, said cap being provided with a skirt, a shorter inner wall concentric with the skirt and a sharp film cutting element at the end of said wall molded integrally with said wall.

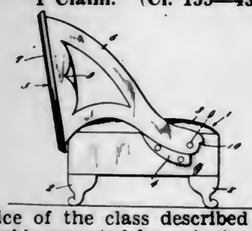
2,152,002

COMBINATION FURNITURE

George A. Thibeault, Hartford, William Visotski Wilson, and Richard Carlson and Irving E. Sweet, Rockville, Conn.

Application April 26, 1938, Serial No. 204,446

1 Claim. (Cl. 155—43)



A device of the class described comprising a stool, a table mounted for swinging movement on said stool, said table including supporting brackets pivotally connected to the sides of the stool, and coacting means on the stool and the brackets for supporting the table in operative or inoperative position, said coacting means including elongated plates mounted on the sides of the stool and engageable longitudinally beneath the brackets for supporting the table in inoperative position, and shoulders on the pivoted ends of the brackets engageable with one end of the plates for supporting the table in operative position.

2,152,003

INSECTICIDE AND FUMIGANT

Adrianus Johannes van Peski and Johan Marius Hoeffelman, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 12, 1936, Serial No. 105,268. In the Netherlands October 29, 1935

12 Claims. (Cl. 167—33)

1. An insecticide, fungicide and bactericide composition containing an effective amount of an epoxide of an unsaturated organic compound having more than one multiple bond.

7. An insecticide, fungicide and bactericide composition containing an effective amount of an epoxide of butadiene.

2,152,004

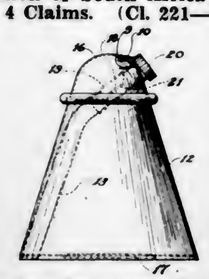
CONTAINER FOR THE DISPENSING OF PREDETERMINED QUANTITIES OF POWDERED, GRANULATED, OR LIQUID MATERIALS THEREFROM

Marthinus Cornelius van Schoor, Cape Town, Union of South Africa

Application June 8, 1937, Serial No. 147,084

In the Union of South Africa June 9, 1936

4 Claims. (Cl. 221—98)



1. A container for dispensing predetermined measured quantities of granulated or liquid materials therefrom having an outlet tube located inside thereof, an open top end of said tube communicating with the top restricted end space of said container, and having the opposite open delivery end of said tube projecting through the wall of the container adjacent its bottom end for discharging measured quantities of the contents, on the container being inverted to charge said tube by way of said open top end.

2,152,005

ENGINE STARTER

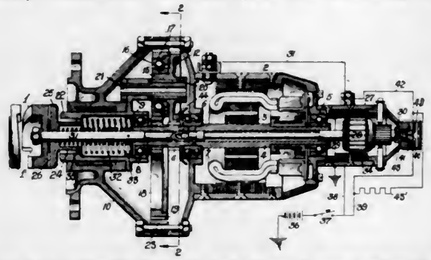
Hollis Walter, Baldwin, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 30, 1936, Serial No. 93,315

Renewed July 7, 1938

11 Claims. (Cl. 290—38)

1. In an engine starter of the jaw clutch type, an engine engaging jaw, motive means for driving said jaw at relatively slow speed during the starting period, and additional motive means directly connected to said jaw for effecting the



rapid longitudinal and rotational engagement of said jaw with the engine at the initiation of said starting period.

2,152,006

METHOD OF PRODUCING ARTICLES OF HADFIELD MANGANESE STEEL

Elmer B. Welch, McKeesport, Pa., assignor to Firth-Sterling Steel Company, McKeesport, Pa., a corporation of Pennsylvania

No Drawing. Application March 31, 1937, Serial No. 134,189

3 Claims. (Cl. 75—22)

1. The method herein described of producing a shaped article of Hadfield manganese steel which consists in effecting intimate mixture of iron-containing and manganese-containing powders, the manganese constituent being 7–20% of the combined metals, effecting under pressure coherence of particles, subjecting the pressed and coherent body while in reducing atmosphere to a temperature of 1500°–2000° F. and in so doing effecting coalescence while the particles continue in unalloyed state, shaping the cold body, and subjecting the shaped body while in reducing atmosphere to a temperature of 2250°–2650° F. and in so doing effecting alloying of the particles within the article of unchanged shape.

2,152,007

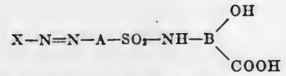
AZO DYESTUFFS AND THEIR PRODUCTION

Hermann Winkeler, Ludwigshafen-on-the-Rhine, and Erich Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 21, 1935, Serial No. 2,796. In Germany January 31, 1934

10 Claims. (Cl. 260—162)

7. Azo dyestuffs corresponding to the general formula:



in which A stands for a radicle selected from the group consisting of aromatic hydrocarbons, halogensubstituted aromatic hydrocarbons, aromatic nitrohydrocarbons and alkoxysubstituted aromatic hydrocarbons, B stands for a hydrocarbon radicle of the benzene series containing the hydroxy group in the 2-position with reference to the carboxylic group in the 1-position and which contains in the 5-position a member of the group consisting of hydrogen, alkyl, the NO_2— and —SO_3H group, the said hydrocarbon radicle of the benzene series being attached to the sulfonyl-amide grouping in the 3-position with reference to the carboxylic acid group, and wherein X represents a coupling component selected from the group consisting of pyrazolones, hydroxyquinolines and phenols.

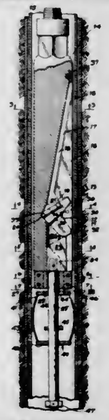
2,152,008

CASING PERFORATOR

Harold C. Yarbrough, Brea, Calif., assignor, by mesne assignments, to Baash-Ross Tool Company, a corporation of California

Application November 24, 1933, Serial No. 699,547

9 Claims. (Cl. 164—0.4)



1. A casing perforator comprising: an elongated body having an inclined slot; a cutter mounted in said body for free sliding movement in said slot; a blade on said cutter adapted to be projected through said slot for perforating a casing; fixed fulcrum means in the bottom portion of said slot for rocking said cutter during the initial downward movement of said body while said blade engages a casing, said fulcrum means comprising a concave surface on the body engaging the cutter; additional means for holding said cutter against rocking movement in said inclined slot during a continued downward movement of said body; and means for controlling said cutter whereby said blade is engaged with a casing to be perforated.

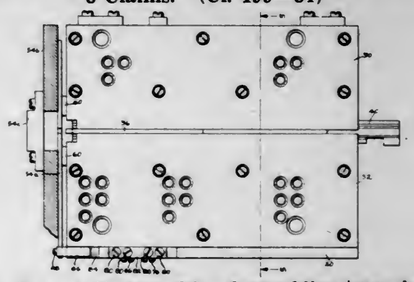
2,152,009

MOLDING DEVICE

Harry C. Zauner, Dayton, Ohio

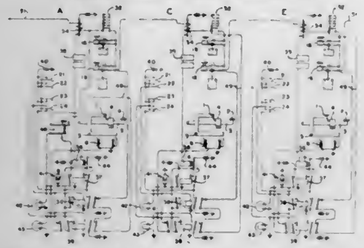
Application December 30, 1938, Serial No. 248,481

8 Claims. (Cl. 199—84)



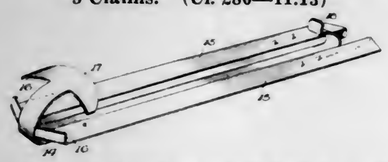
1. In a casting machine for molding type characters and the like, the combination including a base plate having an orifice interconnected to a source of molten metal, a mold assembly adjustably mounted upon the base plate and cooperating therewith to form a mold cavity, and means for adjustably interconnecting the mold cavity to the base plate, said means including rack means interconnected to the mold assembly and a gear rotatably mounted in the mold base plate and meshing with the rack so that as the gear is rotated the mold cavity is shifted relative to the orifice.

2,152,010
STATION SELECTION
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 24, 1936, Serial No. 117,533
27 Claims. (Cl. 178—2)



1. The method of operating a telegraphic answer-back system for a telepgraph system wherein a plurality of stations are connected to a single line circuit which comprises, assigning calling signals variant for every station of the system which connect the station to the signaling circuit, assigning answer-back signals variant for every station, and transmitting from every station in response to receipt of the calling signal of that station, the answer-back signal of that station which is variant from every calling signal.

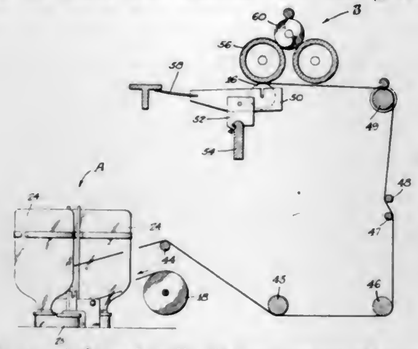
2,152,011
COASTING SKATE
Robert H. Zier, Washington, D. C.
Application February 16, 1938, Serial No. 190,858
5 Claims. (Cl. 280—11.13)



1. As a new article of manufacture a coasting skate integrally formed from a sheet-metal blank and characterized by a channel runner, foot plates extending laterally from the top edges of said runner, sole stops extending upwardly at the front ends of said foot plates, and a flexible toe-engaging means formed with a central stop member extending upwardly and rearwardly, and wings extending laterally from said member at said rearward portion and adapted to resiliently engage the top and sides of the toe-portion of the skater's shoe.

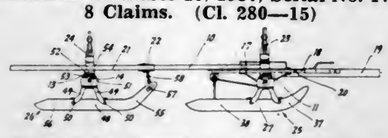
2,152,012
REINFORCED FABRIC STRIP AND METHOD OF MAKING
Charles M. Albion, Dorchester, Mass., assignor to Providence Braid Co., Pawtucket, R. I., a corporation of Rhode Island
Application December 4, 1936, Serial No. 114,289
9 Claims. (Cl. 91—68)

1. A fabric reinforcing strip having non-raveling edges cut on the bias and having the edge portions for a uniform and substantial distance inwardly of the cut edges pretreated therethrough with a penetrating adhesive comprising rubber latex with minor content of a rubber solvent of the equivalent of partially hydrogenated naphthaline, a plasticizer of the equivalent of a hydrogenated product of phenol, and a wetting agent, the adhesive preventing raveling of the cut edges and bonding each edge portion



into a reinforced unit, the pretreated edge portions being in spaced relation.

2,152,013
SLED
John H. Anderson, St. Paul, Minn.
Application November 10, 1937, Serial No. 173,861
8 Claims. (Cl. 280—15)

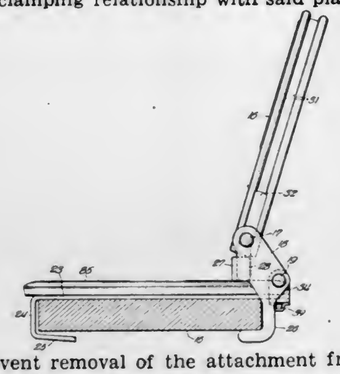


1. In a sled, a frame, an axle supporting said frame, sled runner devices supporting said axle and including spaced apart, horizontally disposed sled runners at the opposite sides of said sled and extending longitudinally thereof, means at an intermediate portion of said sled runner devices oscillatably connecting the axle and said sled runner devices to each other, and resilient means constituted as a part of said sled runner devices and engaged with said frame to limit the extent to which said sled runners can oscillate relatively to said frame, said resilient means including a member secured to and extending upwardly from a rearward portion of each of said sled runners, and an entity extending between and connected to upper portions of said members, said entity consisting of a rigid device adapted to engage said frame and flexible connections extending from said rigid device to each of said members.

2,152,014
FOLDING SEAT
William Thomas Ashe and Percy Baines, Chicago, Ill.
Application December 4, 1933, Serial No. 700,862
Renewed January 12, 1938
8 Claims. (Cl. 155—133)

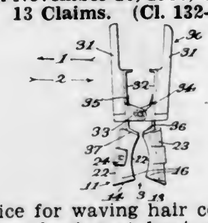
7. An attachment for a plank seat comprising a frame supported on said plank seat, plank clamping means depending from said frame and including a clamp movable to and from clamping relationship with the plank seat, a back rest, said clamping means being pivoted on said frame and secured to said back rest for mounting said back rest to swing between a position overlying the plank seat and an upstanding position at one side of said plank seat, cooperating means on said back rest and on said clamping means for swinging said clamp toward clamping relationship with said plank seat when said back rest is swung to its upstanding position, and

locking means for releasably locking said clamp in its clamping relationship with said plank seat



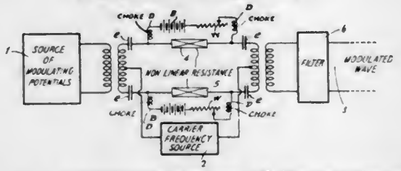
to prevent removal of the attachment from the plank seat.

2,152,015
DEVICE FOR WAVING HAIR
Pierre Athens, Hollywood, Calif.
Application November 10, 1936, Serial No. 110,118
13 Claims. (Cl. 132—36)



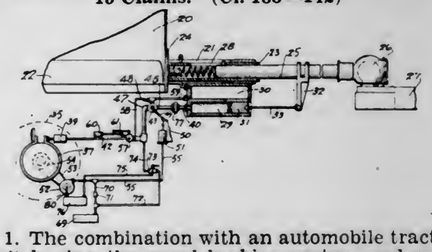
1. A device for waving hair comprising a hollow container having at least one substantially rigid wall, such container having an internal space for an exothermic chemical, means to seal said container to substantially prevent escape of steam or fumes during an exothermic reaction of the chemical, means to position the container with the substantially rigid wall contiguous to a strand of hair wound on a curling rod whereby the heat developed by the exothermic reaction is transmitted through such substantially rigid wall to heat the hair on the rod.

2,152,016
MODULATION
Martin Baesecke and Rudolf Bauer, Berlin, Germany, assignors to Siemens und Halske Aktiengesellschaft, Berlin, Germany, a corporation of Germany
Application August 15, 1935, Serial No. 36,424
In Germany August 18, 1934
5 Claims. (Cl. 179—171)



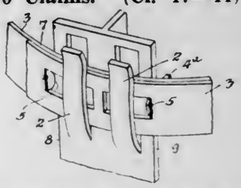
2. In a modulation system of the carrier suppressor type, a pair of impedances having characteristics such that when properly polarized by direct current an increase of current flow through the impedances results in a decrease in potential drop across the impedances, a source of direct current connected with each of said impedances for polarizing the same to operate on the drooping portion of their characteristics, a resistance in each of said connections for stabilizing the operation of said impedances on said drooping portions of their characteristics, an alternating current circuit connected to one terminal of each of said impedances, means for impressing modulating potentials on said alternating current circuit, an alternating current circuit connected between the remaining terminals of said impedances, an output circuit coupled to said last named circuit, and a source of currents to be modulated connected to points of symmetry on said first named circuit and on said second named circuit.

2,152,017
BRAKING SYSTEM
Thomas A. Banning, Jr., Chicago, Ill., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 11, 1936, Serial No. 110,252
15 Claims. (Cl. 188—142)



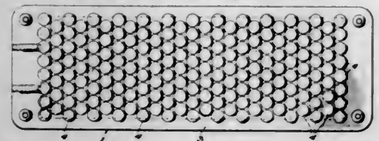
1. The combination with an automobile tractor unit having the usual braking system and controls therefor, of a trailer unit in conjunction therewith, wheel brakes on the trailer unit, a yieldable tractor connection between said tractor unit and said trailer unit yieldable longitudinally of the combination, brake operating mechanism on the trailer unit effective to operate the brakes of said unit according to the condition of yield of said tractor connection, and means normally rendering inoperative said brake operating mechanism and serving to render the same operative when the speed of the trailer unit relative to the road exceeds a predetermined minimum amount which minimum amount is independent of the tractor speed, substantially as described.

2,152,018
PLANT SUPPORT OR TRAINER
Homer W. Barnhart, Perth Amboy, N. J.
Application March 17, 1937, Serial No. 131,474
6 Claims. (Cl. 47—44)



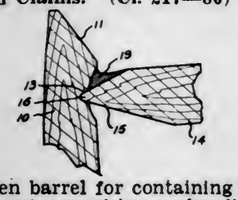
1. A plant support or trainer comprising, in combination, a standard member formed with outwardly pressed fingers, and a supporting member adapted to be supported by said fingers in supporting position, comprising a metal band or strap, one end of which is adapted to overlie the other when in supporting position, said metal band being provided with holes at spaced intervals throughout its length and at one end being formed with projections or prongs, said prongs cooperating with said holes for adjusting the length of the strap.

2,152,019
ICE PACK
Joseph D. Bates, West Springfield, Mass.
Application November 18, 1936, Serial No. 111,535
3 Claims. (Cl. 150—2.5)



1. A cooling device comprising a sealed container formed of flexible material and containing a liquid adapted to be frozen therein, said container having opposed walls, at least one of said walls being provided with a plurality of cylindrical receptacles the axes of which extend substantially at right angles from said wall and which open into the interior of said container and in which the liquid within said container is adapted to be received and frozen.

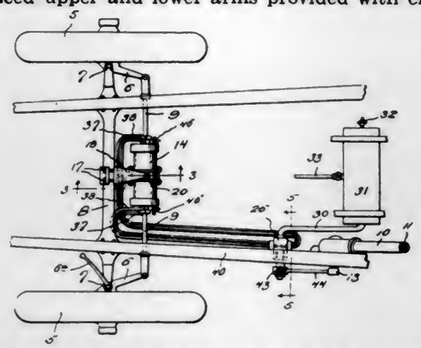
2,152,020
COOPERAGE
John Albert Bauer, Lawrenceburg, Ind.
Application February 28, 1938, Serial No. 193,218
3 Claims. (Cl. 217—80)



1. A wooden barrel for containing volatile liquids, said barrel comprising a plurality of staves, said staves adjacent their ends having howels and crozes in said howels, and said barrel having a head of generally circular form, said head having an annular bevel terminating in a bead which enters into said crozes, said head exteriorly being exposed to the atmosphere and being of sufficient thickness to prevent substantial outage and said bead presenting a substantial surface to the contained liquid and a substantial surface to the atmosphere so as to normally permit outage, the outwardly exposed surface of said bevel and howel being covered with a sealing material which operates to prevent outage in this region.

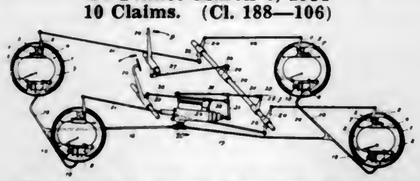
2,152,021
SAFETY DEVICE FOR STEERING MOTOR VEHICLES
Harry Leland Baumer, Tulsa, Okla.
Application February 26, 1937, Serial No. 127,879½
5 Claims. (Cl. 180—79.2)

1. In a compressed air operated steering device for a motor vehicle, wherein front steering and supporting wheels are journaled on stub axles pivoted to the ends of a main front axle section, wherein a tie rod connects said steering knuckles, and wherein a fluid-pressure motor including a cylinder and a piston is carried by said tie rod and movable in said cylinder, means for supporting said cylinder from said main axle section so as to restrain said cylinder against movement transversely of the vehicle and permit free movement of the cylinder forwardly or rearwardly relative to said main front axle section, said last-named means comprising a vertical substantially C-shaped bracket rigidly secured intermediate its ends to said main axle section and including rearwardly extending spaced upper and lower arms provided with end



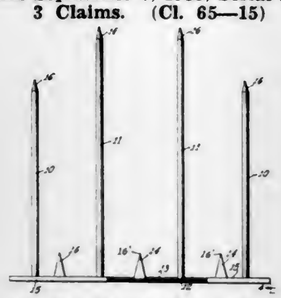
shoes, said cylinder having top and bottom transverse guideways intermediate the ends thereof in which said shoes are slidably engaged.

2,152,022
BRAKE
Jean Charles Boetto, Croissy, France, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 1, 1935, Serial No. 8,869
In France March 6, 1934
10 Claims. (Cl. 188—106)



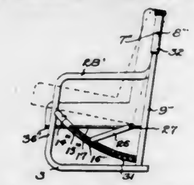
1. In a mechanism of the class described the combination of friction means, a control means therefor, fluid operating means including a master cylinder device operated by the control means and means connected to the master cylinder device and adapted to exert an initial applying force acting on said friction means, means operated to disconnect the master cylinder device from the means connected thereto to render the master cylinder device inoperable upon increase of said applying force, and mechanical operating means adapted to be set into action upon disconnection of said master cylinder device.

2,152,023
ROAST RACK
Michael Botti, Brooklyn, N. Y.
Application September 7, 1938, Serial No. 228,753
3 Claims. (Cl. 65—15)



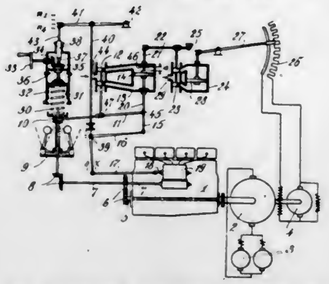
1. A roast rack for carving roasts comprising, in combination, a base plate of substantial area so formed as to rest firmly on a meat platter, a row of pointed studs centrally and transversely mounted on the base plate, some of the studs being of sufficient height to protrude above the roast when the latter is fixed on the rack, and a second row of prongs centrally and transversely mounted on the base plate and interposed between the row of pointed studs for piercing the bottom of the roast and firmly holding the lower part thereof.

2,152,024
SEAT
Eloi Brosset, Montbeliard, France
Original application September 2, 1932, Serial No. 631,493. Divided and this application August 31, 1935, Serial No. 38,846. In France March 8, 1932
7 Claims. (Cl. 155—53)



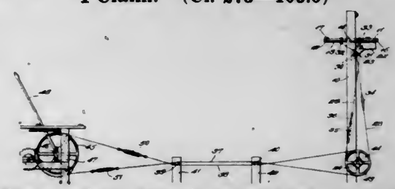
1. In a seat a supporting frame, an assembly frame consisting of a seat support and a back support arranged in fixed angular relation thereto and upwardly curved arms attached to the rear of the supporting frame near the bottom thereof, resilient pivot means adjacent the top of the assembly frame and the supporting frame, for pivotally and resiliently suspending said assembly frame upon said supporting frame, whereby said assembly frame may perform, as a unit, a combined swinging and vertical movement, and means, associated with said upwardly curved arms for securing said assembly frame in any desired position about said pivot means.

2,152,025
INTERNAL COMBUSTION ENGINE ELECTRIC UNIT
Adolf Brunner, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application February 5, 1937, Serial No. 124,343
In Switzerland February 12, 1936
4 Claims. (Cl. 290—40)



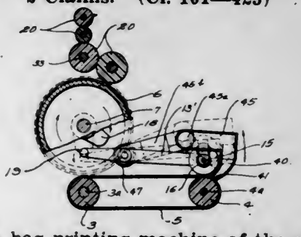
1. In an internal combustion engine-electric power unit, the combination with a fuel-injection compression-ignition type engine of an electric generator driven thereby, a fuel pump for the injecting of fuel into the engine, a speed setting device operatively connected to the pump for setting the speed at which the engine will operate, and regulating means in engagement with the pump for regulating the quantity of fuel injected into the engine and the timing of injection.

2,152,026
DISAPPEARING TARGET
Fred Bunnerlight, Tampa, Fla.
Application June 22, 1936, Serial No. 86,657
1 Claim. (Cl. 273—105.6)



Disappearing target apparatus comprising spaced, upright posts, frames positioned between the posts and pivotally related thereto for pivotal movement about horizontal axes, means interconnecting two frames adjacent one of the upright posts, to engage that post for stopping the frames in vertical positions, targets carried by the frames, said frames being movable to horizontal positions for concealing the targets, means cooperable on the posts and the frames for stopping the frames in horizontal positions, to conceal the targets, and means operatively connected with one frame for moving all the frames about their horizontal axes.

2,152,027
SUCTION CLEANER FOR BAG PRINTING MACHINES
Harry Carll, Tacoma, Wash.
Application July 26, 1937, Serial No. 155,713
2 Claims. (Cl. 101—425)

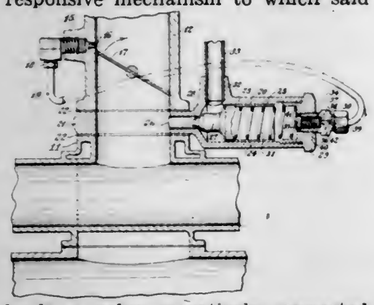


2. In a bag printing machine of the character described, a rotating printing roller, belt mounting rollers, a belt mounted for travel about said rollers and upon which bags may be carried flatly to the printing roller, means for driving the belt and the printing roller, feed rollers associated with the belt, means mounting said feed rollers and actuated in timing with the rotation of the printing roller to raise and lower them against the belt, and a suction shoe mounted by the feed roller mounting means to raise and lower the shoe accordingly from and against the belt; said shoe having a mouth across which bags are delivered by the belt to the printing roller.

2,152,028
FUEL ECONOMIZER
Harold D. Church, Cleveland Heights, Ohio, assignor of one-half to Raymond M. Anderson, Detroit, Mich.
Application November 6, 1937, Serial No. 173,221
8 Claims. (Cl. 123—124)

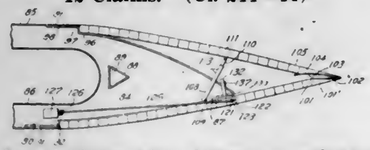
1. In an internal combustion engine embodying an intake pipe having a throttle plate therein,

means for the dilution of the fuel mixture in said intake pipe, comprising a conduit connected with said intake pipe on the carburetor side of the throttle plate when the throttle is closed and substantially adjacent the edge thereof which passes thereby as the throttle is opened, a pressure responsive mechanism to which said con-



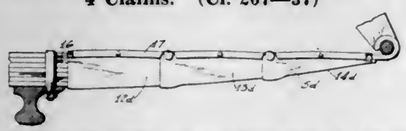
duit leads, a valve operatively connected with said pressure responsive mechanism and interposed in an opening in said intake pipe on the engine side of said throttle plate, said valve being calibrated to vary the volume of air admitted therethrough relative to the sub-atmospheric pressure in said conduit.

2,152,029
AIRPLANE WING CONSTRUCTION
Robert W. Cone, Deal, N. J.
Application May 28, 1936, Serial No. 82,174
Renewed August 19, 1938
12 Claims. (Cl. 244—44)



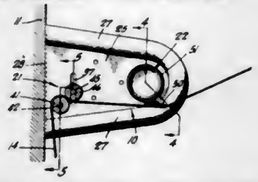
1. An airplane wing having a substantially flexible trailing section and means for varying the curvature of the upper and lower surfaces of said section, said means comprising a plurality of aligned units secured to the section in end to end relationship along one edge of each of said units, means for securing a predetermined separation of each of the units at their opposite edges to produce a curved surface in the section, means for returning the section to its normal plane and control means for lowering the lower surface of the section independently of the upper surface.

2,152,030
SPRING COVER
George W. Crabtree, Cleveland Heights, Ohio
Application March 31, 1936, Serial No. 71,890
4 Claims. (Cl. 267—37)



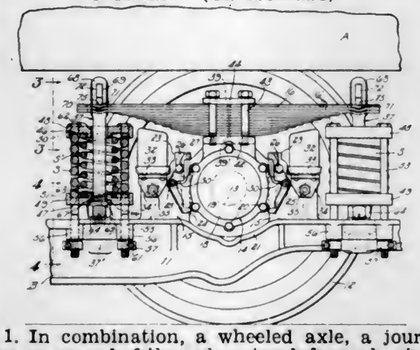
1. A spring cover body comprising a series of interconnected sections having a bottom wall, opposed side walls and laterally extending flanges integrally formed on the free edges of said side walls, said sections being formed with overlapping free ended portions in said bottom and side walls and connected to each other through overlapped integral portions of the laterally extended flanges and by interfitting tongues and apertures formed respectively in adjacent sections and arranged to permit flexing of the cover in response to flexure of the spring embraced by the cover.

2,152,031
ROLL PAPER CUTTER
Neil B. Currier, Huntington Park, Calif.
Application December 28, 1936, Serial No. 117,722
6 Claims. (Cl. 164—36)



1. In a roll paper cutter, the combination of: a frame including end pieces; means on said end pieces for securing these to a wall; paper feeding means mounted between said end pieces; a sheet metal tearing blade having a body formed into tubular shape; and means for uniting the ends of said tearing blade body with said end pieces.

2,152,032
SPRING SUSPENSION
Charles De Los Rice, West Hartford, Conn.
Application November 13, 1936, Serial No. 110,588
3 Claims. (Cl. 105—224)

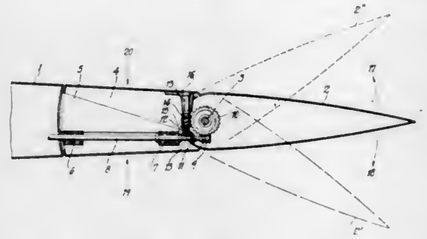


1. In combination, a wheeled axle, a journal box on an end of the axle, a truck frame having a longitudinally extending member beneath the journal box and substantially at right angles to the axle, upwardly projecting guides on said member engaging the journal box in straddling relation and limiting said member and journal box to relative vertical and sidewise movements, a multi-leaf spring secured intermediate of its ends on the journal box, coiled compression springs resiliently interconnecting the ends of the multi-leaf spring with the portion of said member therebeneath, and snubber members respectively secured to said guides and located beneath the leaf spring to limit the extent of recoil thereof.

2,152,033
BALANCING SYSTEM
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application November 30, 1937, Serial No. 177,189
In Germany December 5, 1936
15 Claims. (Cl. 244—42)

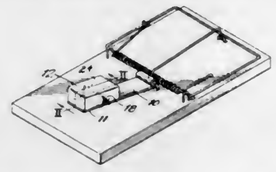
1. A rudder system comprising a rudder proper,

an auxiliary rudder, a self locking gear interconnecting both said rudders, said gear comprising operating means connected with and for operating said rudder proper and relief means connected



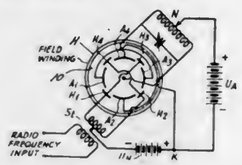
with and operated by said auxiliary rudder and engaging said operating means and reducing the power required for operating said operating means.

2,152,034
BAIT FOR ANIMAL TRAPS
Lawrence H. Fowler, Elmhurst, Ill.
Application July 9, 1937, Serial No. 152,676
4 Claims. (Cl. 99—3)



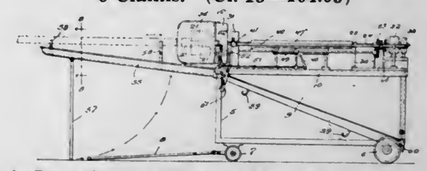
1. An animal bait comprising a tenacious, yieldable, shape-retaining body having means for attracting animals and having a groove for receiving an anchoring strand.

2,152,035
WAVE GENERATION AND MODULATION
Karl Fritz and Wilhelm Runge, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 4, 1936, Serial No. 83,496
In Germany May 18, 1935
13 Claims. (Cl. 179—171)



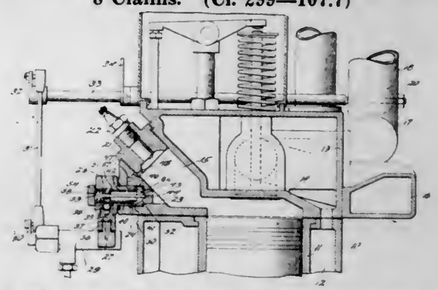
1. In a signalling system in combination, a magnetron tube having a field producing means, a cathode and a pair of like anodes connected by a source of direct current potential to said cathode and connected together by an alternating current circuit in which oscillations are produced, a pair of similar control electrodes located back of said like anodes, means for applying a negative potential to said control electrodes relative to said cathode and means for superposing modulating potentials on said negative potential.

2,152,036
PIPE CLEANING MACHINE
Arthur A. Froh, Watertown, Wis.
Application February 4, 1936, Serial No. 62,367
6 Claims. (Cl. 15—104.03)



1. In a pipe cleaning machine, a hollow vertical head having a horizontal opening through which the pipe to be cleaned may pass, a hollow horizontal rotatable shaft projecting forwardly through said opening coincident with the axis of the latter, a rotary fountain brush carried by the forward end of said shaft and adapted to enter and engage the internal surface of the pipe to be cleaned, power means operatively connected to the rear end of said shaft to rotatably drive the latter and said brush, a series of fountain brushes supported by said head and grouped about the forwardly projecting end of said shaft to engage the external surface of the pipe to be cleaned, means to supply a cleaning fluid under pressure to said shaft and to said head for passage respectively to the first-named and second-named brushes, and means to rotatably drive the second-named brushes.

2,152,037
INTERNAL COMBUSTION ENGINE
John E. Fuller, Fairview, N. C.
Application November 18, 1936, Serial No. 111,472
8 Claims. (Cl. 299—107.7)

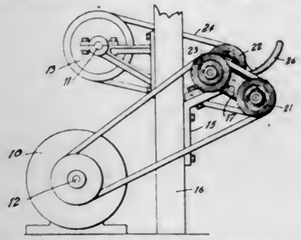


1. For use with an internal combustion engine, an injector comprising a body, a nozzle projection on said body, a chamber in said body, a valve for separating said nozzle and chamber, a piston carrying said valve and mounted for reciprocation in said body chamber, a fuel line connection, a fuel inlet therefrom to the chamber between the valve and piston, a check valve in said inlet, a fluid passage to the body chamber between the valve and piston for connection to a source of intermittent pressure, and means to normally hold said valve closed.

2,152,038
BELT DRIVE
William M. Gettys, Greeley, Colo.
Application March 7, 1938, Serial No. 194,414
2 Claims. (Cl. 74—242.10)

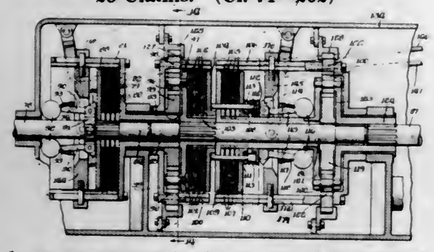
2. A V-belt power transmission device for transmitting power from a fixed motor to a fixed shaft, comprising: a supporting member; a rocking member pivoted on said supporting member;

a power shaft extending through said rocking member adjacent one extremity thereof; a power pulley fixed on each extremity of said power shaft; an idler pulley mounted on each side of and adjacent the other extremity of said rocking member, each one of said idler pulleys being in alignment with one of said power pulleys; a



drive belt extending from said motor around one of said power pulleys so that it will be engaged by one of said idler pulleys when said rocking member is swung; and a driven belt extending from said fixed shaft around the other of said power pulleys in alignment with the other of said idler pulleys.

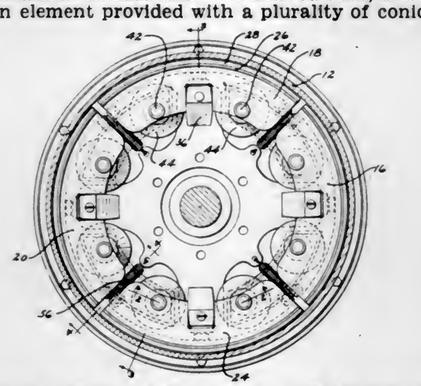
2,152,039
AUTOMATIC CHANGE SPEED TRANSMISSION
Edward E. Giesen, Chicago, Ill.
Application June 29, 1935, Serial No. 29,087
28 Claims. (Cl. 74—262)



1. In an automatic change speed transmission, for use in driving a motor vehicle at different speeds, the combination of clutch mechanism adapted to be automatically closed by centrifugal action, by the rotation of the engine shaft, planetary gearing disposed in position to receive power and motion through said clutch, and instrumentalities whereby said planetary gearing is operative to first rotate the propeller shaft for the vehicle at relatively low speed, and to automatically change the ratio and increase the speed until the propeller shaft is rotating at a higher speed in combination with a foot-pedal, three parallel endwise movable blocks, a selector device having means for linking the pedal and the blocks together, selectively, and control means extending between said blocks and the centrifugal clutch mechanism, whereby to prevent or permit the centrifugal action, for the purpose of manual control of the transmission.

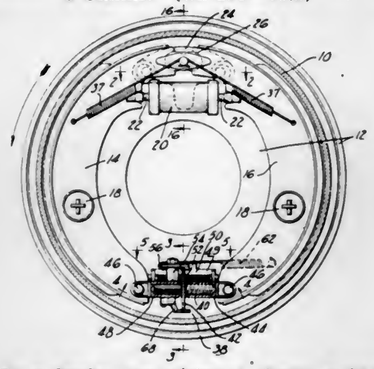
2,152,040
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 14, 1935, Serial No. 44,844
10 Claims. (Cl. 188—71)

1. A brake comprising a drum formed with a cylindrical surface and a conical surface, a friction element provided with a plurality of conical



rollers, and means for moving said friction element axially into contact with said drum.

2,152,041
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application August 27, 1936, Serial No. 98,210
9 Claims. (Cl. 188—79.5)

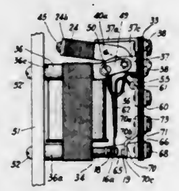


1. In a brake comprising a drum, a backing plate, and a pair of generally semi-circular shoes having anchorage and applying means between one pair of adjacent ends and an adjusting device floatingly connecting the opposite adjacent ends of the shoes, means for centering the shoes within the drum, an operating lever mounted on said adjusting device, an abutment on the backing plate operatively engaged by said lever when the brake is applied in one direction, and means for yieldingly urging said lever against the abutment.

2,152,042
POWER RELAY
Otho D. Grandstaff, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 6, 1937, Serial No. 124,420
1 Claim. (Cl. 200—87)

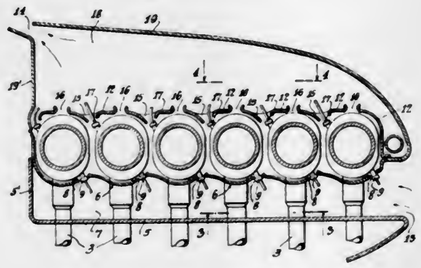
A relay construction comprising a core, an insulating panel arranged on one side of said core, means including a plurality of supporting members attached to said insulating panel and engaging said core for retaining said insulating panel in spaced relationship with respect to said

core, means including a plurality of studs extending through openings provided in said core and in threaded engagement with said supporting members for securing said insulating panel to said core, a supporting panel arranged on the opposite side of said core, means including additional studs extending through openings provided in said supporting panel and in threaded engagement with said first-mentioned studs for supporting said core and the parts carried thereby upon said supporting panel, a movable armature carried by said core, means including a wind-



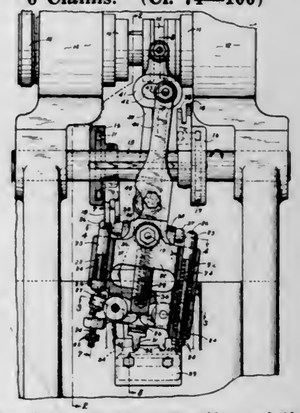
ing associated with said core for controlling the position of said armature with respect to said core, a stationary contact carried by said insulating panel and arranged between said insulating panel and said core, a movable contact arranged between said insulating panel and said core and associated with said stationary contact, means including said armature for controlling the position of said movable contact with respect to said stationary contact, and terminals for said winding and said contacts carried by said insulating panel.

2,152,043
SELECTIVE PRESSURE COOLING FOR ENGINES
Alfred T. Gregory, Farmingdale, N. Y., assignor to Ranger Engineering Corporation, Farmingdale, N. Y., a corporation of Delaware
Application January 30, 1937, Serial No. 123,109
10 Claims. (Cl. 123—171)



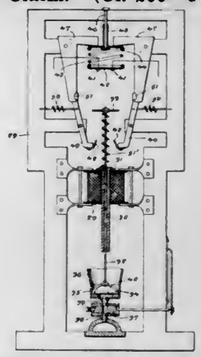
1. In an aeronautical engine having a plurality of cylinders arranged in a row, the combination of a plate extending along one side of the row of cylinders, and having a width substantially equal to the exposed height of the cylinders of the engine, and an air scoop directed in the direction of travel of the engine and cooperating with said plate to form a substantially closed chamber for trapping a portion of the air stream under pressure, said plate having restricted openings for directing pressure air at relatively high velocity from said chamber upon predetermined portions of the cylinders of the engine.

2,152,044
AUTOMATIC CLUTCH SHIFTER
Walter E. Gross and Alfred F. Jelinek, Cleveland, Ohio, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application February 7, 1938, Serial No. 189,129
6 Claims. (Cl. 74—100)



1. Mechanism for the actuation of the sliding member of a double throw clutch comprising an arm pivoted intermediate its ends, rollers extended therefrom in spaced relation to the medial axis of the arm, cams engageable with said rollers for oscillating said arm, a second arm having a recess therein disposed in juxtaposition with the first named arm and engaged with the sliding member of said clutch, a pintle in the first named arm engaged within said recess, the size of said recess being proportioned in relation to said pintle and the lift of said cams to permit the independent movement of the first named arm throughout a portion of its oscillatory movement.

2,152,045
BODY OPERATED SWITCH APPARATUS FOR TIMING X-RAY EXPOSURES
Frank Mercer Gulland, Syracuse, N. Y.
Application March 28, 1938, Serial No. 198,576
1 Claim. (Cl. 200—97)



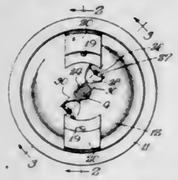
A delayed action relay comprising a solenoid operated hollow plunger, a stem slidably mounted in the plunger, a spring sleeved on the stem, heads on the plunger and stem engaged in opposite ends of the spring whereby the spring will be compressed by relative movement of the plunger and the stem, means for releasably engaging the head

on the plunger to hold the spring in compression, a dash pot retarding device connected to the stem for retarding movement of the stem by said spring when the plunger is attracted by energizing of the solenoid, a pair of switch contacts, a spring disposed adjacent to said contacts and adapted to be compressed by the head of the stem to cause a dwell of the head on the contacts in circuit closing position due to the cushioning effect of the last named spring, and means connected to the last named spring for releasing said plunger to permit return of the stem to neutral position after each actuation.

2,152,046
AIR NOZZLE FOR FLAT SPRAYING APPLIANCES

Eric Gustafsson and Harold L. Striegel, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application April 4, 1938, Serial No. 199,749
11 Claims. (Cl. 299—140.1)



1. A spraying device having means for projecting a stream of material and means for projecting fluid jets against opposite sides of said stream to flatten said stream into a fan-shape and along a plane including the axis of said stream, comprising auxiliary fluid jet means provided with orifices for forwardly projecting converging jets along spaced parallel planes tangential to said stream and at loci of engagement with said stream axially spaced from the loci of engagement of said flattening jets with said stream.

2,152,047
PRESERVING AND DISINFECTING MEDIA

Hans Hahl, Ludwig Taub, and Friedrich Leuchs, Wuppertal-Elberfeld, Germany, assignors, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 5, 1934, Serial No. 742,800. In Germany September 14, 1933
8 Claims. (Cl. 167—33)

1. A preserving and disinfecting medium comprising as an active ingredient a non-acylated quaternary quinolinium halide containing at least one aliphatic radical of at least 6 carbon atoms combined with the quinoline ring system.

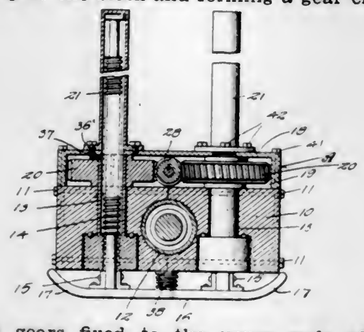
7. A bactericidal preserving and disinfecting medium comprising as an active ingredient a non-acylated quaternary ammonium halide containing only one heterocyclic ring in which the quaternary nitrogen atom is part of a heterocyclic nucleus of the group consisting of pyridine, quinoline, isoquinoline, pyrrol, thiazole and their hyrogenated derivatives, and wherein at least one aliphatic radical of at least six carbon atoms is combined with the heterocyclic nucleus by means of an oxygen atom in ether linkage.

2,152,048
POWER JACK

Fred Hawkins, Gilmer, Tex.

Application May 4, 1937, Serial No. 140,748
2 Claims. (Cl. 254—86)

1. An automobile power jack comprising a block accommodating a rear housing of said automobile, said block having shouldered sockets opening therethrough at the upper and lower sides and disposed at opposite sides of the housing, internally threaded sleeves correspondingly shaped to and fitting within said sockets with the upper ends of the sleeves extended above the block, jack screws engaged in the said sleeve and with the internal threads thereof, a covering at the top of the block and forming a gear closure,

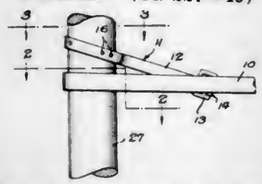


worm gears fixed to the upper ends of said sleeves, caps carried by said covering and accommodating the said jack screws when traveling in one direction, a foot disposed longitudinally with respect to the automobile and fixed to the said jack screws at their lower ends for bridging disposition of the said housing directly beneath the said block, and a worm screw between said gears and common to both of the same for meshing engagement therewith.

2,152,049
SAFETY DEVICE FOR LINEMEN

Carl D. Hedrick, Miami, Fla.

Application December 15, 1937, Serial No. 180,022
2 Claims. (Cl. 227—49)



1. A safety attachment for a standard lineman's belt comprising a strap having adjustable means for frictionally engaging a pole, said means comprising spaced links carried by the strap and a harness buckle mounted at one end of the strap for selective engagement with the links and means for loosely connecting the strap to the belt, said means comprising a link carried at the other end of the strap and adapted to allow free passage of the belt therethrough.

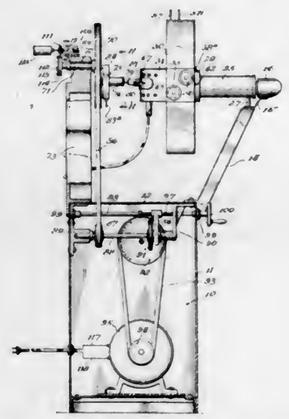
2,152,050
OPTICAL INSTRUMENT

William Henning and Milton A. Bursack, Fargo, N. Dak., and Carl Loeb, Chicago, Ill.

Application June 18, 1936, Serial No. 85,840
8 Claims. (Cl. 128—76.5)

1. Apparatus of the character described comprising a support, a pair of spaced apart stereoscopic tubes pivotally mounted adjacent their forward ends on said support, a housing connected to the rear ends of each of said tubes, an electric lamp in each housing adjacent the rear

end of said tubes, a support connecting the respective housings, and driving means including

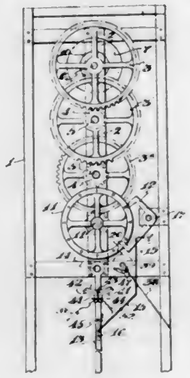


a connection to said last mentioned support for rotating the rear ends of said tubes about said pivotal connection.

2,152,051
ANIMATED SIGNALING DEVICE

Daniel Hewitt, Fort Worth, Tex.

Application May 27, 1935, Serial No. 23,732
5 Claims. (Cl. 185—29)



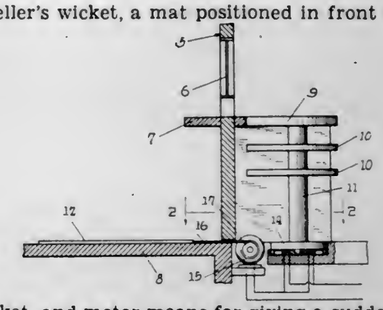
1. In combination, a weight actuated motor operating a pendulum for a wig-wag signal, an electrical circuit operating an electric motor and means impelled by the said electric motor to impart to the said pendulum an initial swing and means carried by the said pendulum for maintaining an open circuit while the said pendulum is in motion, and means cooperating with the said electric motor for maintaining a closed circuit for completing the movement of the impelling means.

2,152,052
MEANS FOR RETARDING ESCAPES

Steve J. Hodos, San Francisco, Calif.

Application August 16, 1937, Serial No. 159,299
2 Claims. (Cl. 109—10)

1. In a device of the class described, burglar preventive means including in combination with a teller's wicket, a mat positioned in front of the

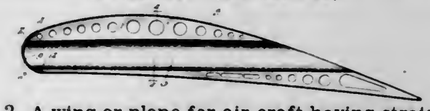


wicket, and motor means for giving a sudden jerk to said mat.

2,152,053
AIRCRAFT CONSTRUCTION

Tazewell H. Jenkins, Chicago, Ill.

Application August 4, 1937, Serial No. 157,249
2 Claims. (Cl. 244—40)

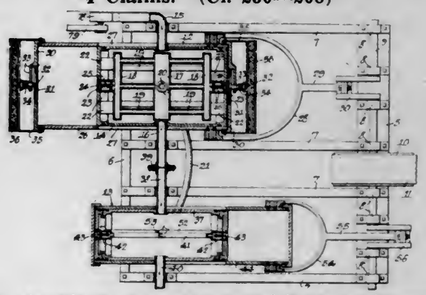


2. A wing or plane for air craft having straight parallel open-ended tunnels extending through the same from front to rear, said tunnels increasing gradually in size from their front ends toward the rear and movable closure devices at the front ends of said tunnels located and shaped to maintain the rounded streamline contour on the front edge of the wing when said devices are in their closed positions.

2,152,054
STATIONARY PISTON AIR COMPRESSOR

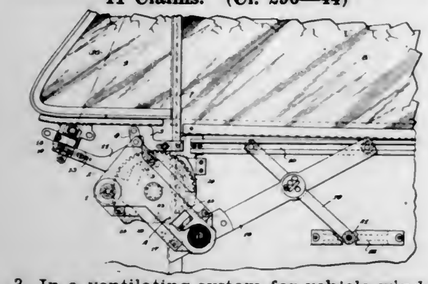
Orlando B. Johnson, Boise, Idaho

Application October 26, 1937, Serial No. 171,144
4 Claims. (Cl. 230—208)



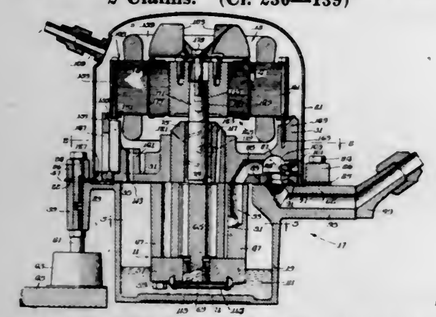
1. An air compressor comprising a main compressor, a substantially small auxiliary compressor adapted to receive compressed air from the main compressor, each compressor including a stationary piston and a cylinder operating over the piston, pipes within the pistons, said pipes communicating with the space between the piston heads and ends of the cylinders and through which compressed air passes, means for directing cooling liquid into the pistons to circulate around the pipes, cooling the pipes, a pipe establishing communication between the spaces within the pistons between the pipes and the walls of the pistons whereby cooling liquid passes from one piston to the other, and connecting rods connected with the cylinders by means of which the cylinders may be operated.

2,152,055
WINDOW REGULATOR
Harold L. Kegler, Lincoln Park, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 9, 1937, Serial No. 152,797
11 Claims. (Cl. 296—44)



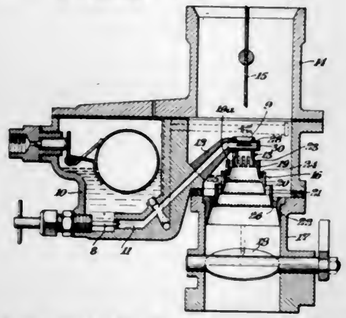
3. In a ventilating system for vehicle windows, the combination of a panel swinging on an up and down axis and a sliding panel cooperating therewith and a single regulator for controlling both windows, comprising means for first opening the swinging panel by causing it to swing on its axis and means then upon mere continuation of the operating movement operating to lower the sliding panel and finally means to further rotate the swinging panel to open the same to its fully opened position.

2,152,056
SEALED UNIT
Mahlon W. Kenney, Chicago, and Arthur R. Constantine, River Forest, Ill., assignors, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation
Application May 10, 1934, Serial No. 724,894
2 Claims. (Cl. 230—139)



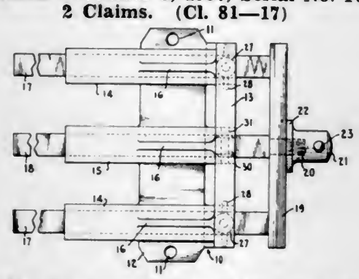
1. A device of the class described comprising a pair of casing elements, means to secure said elements together to form a housing, partition means forming a support in said housing and defining compartments on opposite sides of the partition means, relatively movable fluid-forcing elements carried by said partition within one of the compartments, and motor means carried by the partition within the other compartment, a drive shaft journalled in and extending through said partition and operatively connected with the motor means and the fluid-forcing means on opposite sides of the partition, means for admitting fluid through the walls of said casing to said fluid-forcing means, including a duct in a wall of one of the casing elements communicating with a duct in said partition, the latter duct in turn connecting with the suction side of the fluid-forcing means, means forming a check valve in said partition substantially at the point of communication of said ducts, one of the ducts opening upon a surface of a casing element formed as a seat to receive a surface of the partition in which the other duct opens, a fitting forming a valve seat mounted in the partition at the duct opening therein, a chamber in said partition enclosing said seat, and a disk in said chamber adapted to overlie the seat provided by said fitting.

2,152,057
NOZZLE
Chester A. Killmeyer, Stratford, and George L. Reichhelm, New Haven, Conn., assignors to Frank A. Kane, Derby, Conn.
Application February 5, 1938, Serial No. 188,904
9 Claims. (Cl. 261—76)



1. In an apparatus for converting a liquid fuel into a gaseous fluid, the combination of a fuel spray nozzle and a mixing tube for receiving and conducting therein an atomized fuel stream from said nozzle, the nozzle having at its outlet section a fuel discharge terminal edge and a plurality of circumferentially disposed slots presenting edges directed substantially longitudinally of the nozzle and extending to the said terminal edge thereof, the discharge section of the nozzle extending into the inlet of the mixing tube, the plane of the inlet edge of the tube intersecting said slots whereby only a portion of each of the slots extends into the tube.

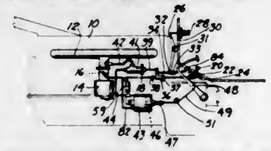
2,152,058
BENCH VISE
Emory L. King, Ridgefield Park, N. J.
Application November 8, 1937, Serial No. 173,498
2 Claims. (Cl. 81—17)



1. A bench vise of the type described comprising a fixed and a movable portion, said fixed portion comprising an L-shaped member adapted to be mounted over an edge of a bench, one of the sides of said L-shaped member being adapted to provide a face plate and the other side being provided with means for supporting and, under certain conditions, holding said movable portion,

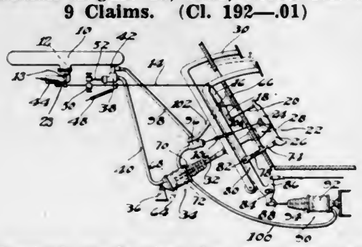
said means comprising a plurality of ways one being substantially centrally disposed, formed in said member substantially perpendicular to the side providing said face plate, the movable portion of said vise comprising a plurality of bar-like members slidably received in said ways, a second face plate carried on said bar-like members disposed substantially parallel to said other face plate, means for holding said bar-like members substantially fixedly in various positions within said ways whereby the face plates can be held at different distances from each other, said means comprising a cam rotatably mounted in said fixed portion of the vise adjacent the central way and adapted to abut against the bar-like member therein when the cam is rotated, whereby sliding movement of the member is at least largely precluded, a handle associated with said cam to facilitate rotative movement of same; and means for moving said second face plate along the axis of the central bar-like member, comprising a threaded portion formed on the end part of said member adapted to be slidably received in an opening in said face plate, a tapped member cooperating with said threaded portion whereby rotative movement of said tapped member is translated into lateral movement of said face plate.

2,152,059
CLUTCH OPERATING MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor to Bragg Kliesrath Corporation, Long Island City, N. Y., a corporation of New York
Application May 29, 1931, Serial No. 540,827
6 Claims. (Cl. 192—.01)



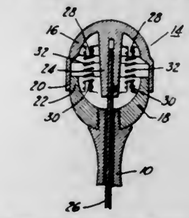
1. In a vehicle having an engine, dual controls therefor, a clutch for connecting the engine to the vehicle, a gaseous pressure device for operating the clutch by the engine, a control element having a lost motion connection with each of said engine controls and operated thereby to actuate the clutch upon movement of either of the engine controls, one of said controls acting to engage the clutch when the other control is in a position to normally disengage the clutch.

2,152,060
CONTROL MECHANISM FOR MOTOR VEHICLES
Victor W. Kliesrath, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Application August 15, 1931, Serial No. 557,242
9 Claims. (Cl. 192—.01)



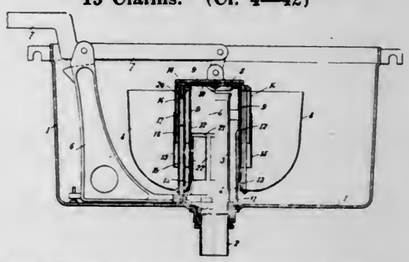
1. Control mechanism for an automotive vehicle provided with an engine controlling throttle, a clutch and brakes, comprising separate means for actuating each of said mechanisms and a common means for rendering each of said separate means operative, said common means being operable in one direction to control the operation of the clutch and throttle and operable in a different direction to control the operation of the brakes, together with manually operable means, collateral to said aforementioned means, for operating said clutch and brakes, either concurrently with, or independently of the operation of said mechanisms through the intermediary of said common means.

2,152,061
CLUTCH CONTROL
Victor W. Kliesrath, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Original application April 23, 1936, Serial No. 76,031. Divided and this application February 3, 1937, Serial No. 123,747
1 Claim. (Cl. 74—471)



A control device for two of the power transmission controls of an automotive vehicle comprising a hollow lever member, a two-part hollow ball member secured to the upper end of said lever member, a flexible operating means secured to one of the parts of said ball and extending through said lever member, pins extending inwardly from the inner face of each of the parts of said ball member, and spring means interposed between and telescoping over the oppositely disposed pins.

2,152,062
SIPHON-DISCHARGE APPARATUS
Michael Kolarik, Vienna, Austria
Application September 1, 1937, Serial No. 162,037
In Austria September 6, 1936
15 Claims. (Cl. 4—42)



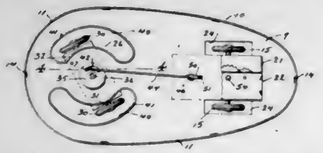
1. In a flushing water cistern, more particularly for water closets, a siphon rigidly affixed to the base of the water cistern and having an aperture in its head portion, and a liquid receptacle including a wall vertically slidable along the said siphon, apertures in the wall adjacent the siphon, the said receptacle being adapted in its lowered position to cover up the said apertures and in its raised position to disclose said apertures for communication with the siphon aperture.

2,152,063
CUTTING DEVICE FOR INSERTING ALBUM PICTURES
Clarence Klumb, Milwaukee, Wis.
Application September 18, 1937, Serial No. 164,600
4 Claims. (Cl. 30—294)



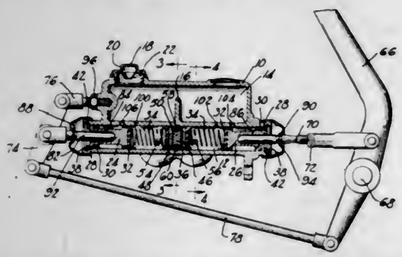
1. A cutting device of the character described, comprising a rectangular block, a cutting blade mounted on the underside of the block adjacent one marginal edge thereof, a handle formed on the upper surface of the block and the side wall of the block having an opening therein adapted to receive the corner of a photograph for gaging the location of the cutter.

2,152,064
TOY VEHICLE
Frank R. Labin, Buffalo, N. Y.
Application June 12, 1937, Serial No. 147,983
15 Claims. (Cl. 46—213)



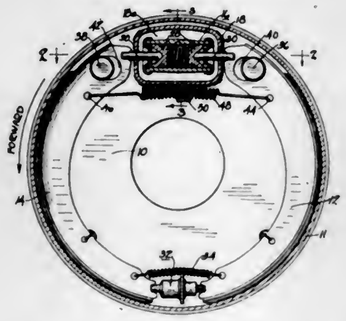
1. A toy vehicle having a chassis, comprising a base, a motor carried by the base, front wheels for the chassis, means connecting the motor with the front wheels for driving the vehicle, rear steering wheels for the chassis, said rear wheels being mounted upon a steering yoke, the yoke being formed with an upstanding boss, said base being formed with a recess for the reception of the boss, and means connecting the boss with the motor for causing an oscillatory movement of the yoke, whereby the vehicle is steered in substantially a "figure 8" path.

2,152,065
DUPLEX MASTER CYLINDER
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 29, 1935, Serial No. 33,732
8 Claims. (Cl. 60—54.5)



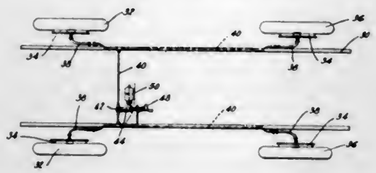
1. In a master cylinder for hydraulic brakes a casing, a longitudinal cylindrical bore therethru actuating pistons in each end a central partition formed like a spool shaped piston, and pins passing transversely thru said cylinder to constrain said partition to a limited axial movement.

2,152,066
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 9, 1935, Serial No. 39,736
4 Claims. (Cl. 188—152)



1. In a brake, a rotating drum, a backing plate provided with an offset portion having a recess exterior of said backing plate from said drum, an actuating member including a cylinder positioned in said recess, shoes within said drum adapted to be brought into contact therewith and arranged to anchor upon said offset portion, and means extending through the walls of said offset portion and connected with the actuating member for spreading said shoes into contact with said drum.

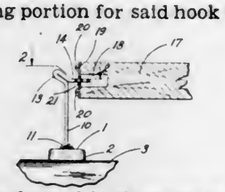
2,152,067
BRAKE
Ludger E. La Brie, Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application November 22, 1930, Serial No. 497,383. Divided and this application May 4, 1936, Serial No. 77,733
8 Claims. (Cl. 188—152)



1. A brake system comprising hydraulic brake-operating connections, a source of fluid pressure, and a reservoir containing coaxial corrugated metal diaphragms one positioned within the other, the inner one containing liquid and communicating with said connection whenever the brakes are released, and the outer one continuously in communication with said source and arranged to exert air pressure on the inner one when the brakes are released.

2,152,068
VENETIAN SHADE
Gottfrid C. Lawson, Cleveland, Ohio
Application July 17, 1937, Serial No. 154,266
14 Claims. (Cl. 156—17)

1. A device of the class described, a base, a hook connected to said base, a laterally extending blind engaging portion for said hook having staggered notches formed in its opposite edges to resist displacement of the hook from the blind.

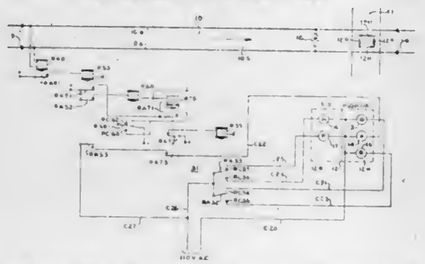


2,152,069
BRIDGE CONSTRUCTION
Myron I. Lifschutz, Chicago, Ill.
Application September 13, 1937, Serial No. 163,643
1 Claim. (Cl. 32—6)



A bridge of the class described comprising end supporting parts adapted for dental mounting and a connecting body part integral with said end parts, in combination with a thin backing member set permanently in the face of said body part, and a thin discoidal porcelain occlusal facing renewably cemented to said backing member in a substantially horizontal position, which backing member is oblong crosswise of the bridge and somewhat crescent shaped and having its ends substantially sharp edged and flush with the horizontal occlusal edges of the bridge respectively, said facing having a convex crescent shaped dovetail lug on its bridge side, and said backing member having a corresponding concave groove in its outward side to receive the said facing interlockingly by a sliding and rocking movement.

2,152,070
TRAFFIC SIGNALING SYSTEM
Thomas Ashton Logan, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 12, 1938, Serial No. 190,201
10 Claims. (Cl. 246—130)

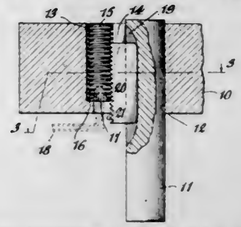


1. A traffic signaling system comprising a stretch of railway track intersected by a highway, clear and caution and danger signals located near the intersection, a device operable between a first position and a second position, apparatus whereby said device controls the operation of said clear and said danger signals, said apparatus being so arranged that said clear signal is rendered active and said danger signal is rendered inactive when said device is operated to said first position and said danger signal is rendered active and said clear signal is rendered inactive when said device is operated to said second position, a timer, means operated when a train approaches the intersection for rendering said caution signal active and for setting said timer into operation, and means controlled by said timer for rendering said caution signal inactive and for causing said device to operate from said first position to said second position.

2,152,071
PREPARATION OF STABLE CELLULOSE ESTERS
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 10, 1938, Serial No. 213,025
5 Claims. (Cl. 260—227)

1. A process for preparing a stable organic acid ester of cellulose which comprises washing the cellulose free of bisulfate-forming ions, drying the cellulose and acylating it within non-corrosive walls, with acylating reagents including a sulfuric acid catalyst in which bisulfate-forming ions which are soluble in the esterification mixture are substantially completely absent.

2,152,072
RETAINING MEANS FOR PUNCHES
Carl F. Maute, Buffalo, N. Y.
Application July 13, 1938, Serial No. 218,967
5 Claims. (Cl. 164—124)



1. The combination with a tool holder having a tool therein containing a key-way, of a key applied to said holder in engagement with the tool key-way and having a row of threads in the outer edge thereof, and a screw fitted in said holder for engagement with the threads of said key.

2,152,073
BIB APRON
Harriet McEldowney, Windsor, Ontario, Canada
Application May 22, 1937, Serial No. 144,150
In Canada June 3, 1936
1 Claim. (Cl. 2—48)

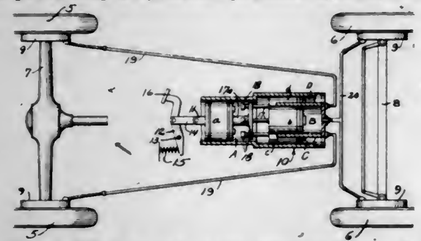


In an apron having a bib portion, a flap secured to the upper edge of the bib portion, said flap having two portions extending in opposite directions laterally beyond said bib portion to provide shoulders for securing said bib portion in the neck of a dress or waist.

2,152,074
HYDRAULIC FOUR-WHEEL BRAKE
Benjamin McInnerney, Omaha, Nebr.
Application April 4, 1938, Serial No. 199,834
4 Claims. (Cl. 188—152)

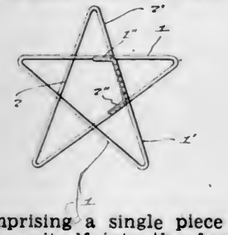
1. A pressure distributing and proportioning

device for the simultaneous operation of a plurality of hydraulic brakes, comprising in combination a cylinder block having a plurality of cylindrical openings, a piston mounted for reciprocation in each opening, means comprising a piston reciprocably mounted in one of the cylinders for producing a hydraulic pressure against corre-



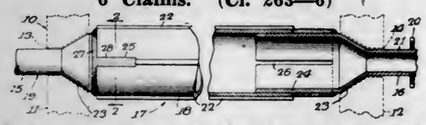
sponding ends of the other pistons, each of the first mentioned pistons having headed rods extending towards the last mentioned piston, the latter having a plate attached to its front end and provided with openings through which the rods pass, the heads being larger than the openings, whereby the several pistons can be simultaneously retracted.

2,152,075
PAPER CLIP
John D. Melehes, Chicago, Ill.
Application May 26, 1937, Serial No. 144,933
Renewed December 31, 1938
1 Claim. (Cl. 24—261)



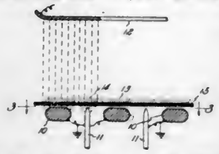
A clip comprising a single piece of resilient wire bent upon itself into the form of a five pointed star and including a pair of opposed V-shaped jaws disposed in crossed relation and each including a pair of legs, one leg of each jaw terminating in an acute angled extension crossing one leg of the other jaw and having an angular end juxtaposed to the other leg of its related jaw parallel with said other leg and intermediate the ends of the later.

2,152,076
HIGH TEMPERATURE SHAFT OR ROLL
Paul S. Menough, Pittsburgh, Pa., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application July 15, 1936, Serial No. 90,754
6 Claims. (Cl. 263—6)



1. A conveyor shaft for heat treating furnaces comprising a central section centrifugally cast of high heat resisting material and end sections provided with reduced ends forming journals for said shaft, the end sections lapping the central sections and at least a part of the lapping portion being telescopic, one of the lapped portions at each end of the shaft having open end recesses therein extending longitudinally of the shaft, and a weld extending along said recesses for connecting said sections together, said weld having portions thereof extending longitudinally of the shaft and other portions extending around said shaft in a circumferential direction.

2,152,077
PRODUCTION OF PILED SURFACES IN PATTERN FORM
Archibald F. Meston, Middlesex, and Harry A. Wintermute, Plainfield, N. J., assignors, by mesne assignments, to Behr-Manning Corporation, a corporation of Massachusetts
Application February 6, 1935, Serial No. 5,288
15 Claims. (Cl. 41—36)

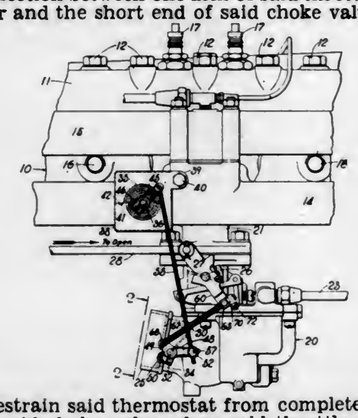


1. Apparatus for electrically depositing attenuated fibers upon an adhesive coated surface to form a pile thereon in pattern form, comprising complementary electrodes, means for maintaining a high potential difference between said electrodes to establish an electric field therebetween, one of said electrodes being formed to cause local variations in the concentration of the electric field between said electrodes, means for passing an adhesive-surfaced base material through the non-uniform portion of said field, means for moving said last named electrode substantially synchronously with said base material, and means for supplying attenuated fibers to said field.

13. A method for electrically depositing attenuated fibers upon an adhesive coated surface to form a pile thereon in pattern form which comprises establishing an electric field having locally concentrated portions, positioning an adhesive-surfaced base material in the non-uniform portion of said field, supplying attenuated fibers to said field thereby depositing the fibers on said base material in pattern form, thereafter positioning said base material in a substantially uniform electric field, and supplying fibers of different appearance from said first deposited fibers to said field.

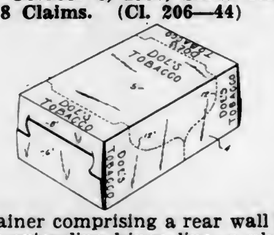
2,152,076
AUTOMATIC CHOKE CONTROL
Earl E. Moore, South Bend, Ind., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 13, 1932, Serial No. 611,109
1 Claim. (Cl. 123—119)

The combination with an internal combustion engine having an intake and an exhaust manifold, and a carburetor connected to said intake manifold having an air intake and a throttle valve, of an automatic control for said carburetor air intake comprising, a choke valve in said air intake eccentrically mounted on a shaft journaled in said air intake, a double armed choke valve lever having a long and a short arm, on said shaft, a thermostat mounted on said exhaust manifold operatively connected with the long arm of said choke valve lever to urge said choke valve toward closed position when the temperature of said thermostat is below a predetermined limit, a two armed throttle valve lever and an over-travel connection between one arm of said throttle valve lever and the short end of said choke valve lever



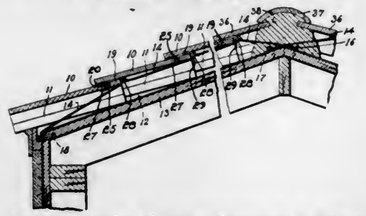
to restrain said thermostat from completely closing said choke valve when said throttle valve is closed.

2,152,079
DISPLAY PACKAGE AND METHOD OF PACKAGING
Edwin L. Mott, St. Louis, Mo.
Application October 6, 1937, Serial No. 167,489
8 Claims. (Cl. 206—44)



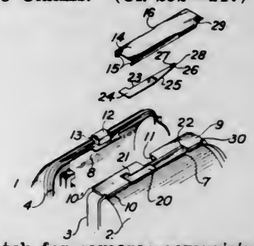
8. A container comprising a rear wall having a transversely extending hinge line, a plurality of interconnected walls having spaced apart interconnected lines of weakness forming a tear-out portion adapted, upon removal, to provide a relatively large merchandise displaying opening in juxtaposition to the rear wall hinge line, said opening being operatively connected at opposed points respectively to the ends of the rear wall hinge line for permitting the container, when the tear-out portion is removed, to be bent about the hinge line in the formation of an open topped display tray having oppositely presented compartments.

2,152,080
TILE ROOF CONSTRUCTION
Albert O. Munsey, Los Angeles, Calif.
Application August 4, 1937, Serial No. 157,339
14 Claims. (Cl. 108—10)



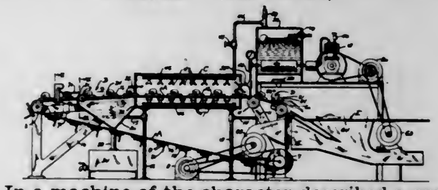
10. As an article of manufacture, a tile hanger including a tile engaging portion, and another portion for engaging and kinking a tile supporting runner.

2,152,081
CAMERA LATCH
John B. Nelson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 31, 1937, Serial No. 156,763
5 Claims. (Cl. 292—147)



5. In a latch for cameras comprising two relatively movable parts, one part including a rail having an opening in one longitudinal edge thereof, and having a recess in the top thereof, one portion of which recess extends substantially transversely of said rail, and another portion of which recess extends substantially longitudinally of said rail, said other part including a lug adapted to fit into said opening, the combination with a latch member slidably mounted on said rail, and including downwardly extending flanges covering the edges of said rail, one of said downwardly extending flanges provided with an aperture for uncovering said opening in the rail, of a spring catch complementary in shape to said recess in the rail situated in said recess, and including a portion adapted to fit snugly into that portion of said recess extending substantially transversely of said rail whereby said catch is held against movement longitudinally of said rail, said catch including a free end adapted to engage said latch member in a manner to frictionally resist movement of the same, and means on the free end of said catch and on said latch member cooperating to permit the latch member to be slid onto said rail and over said catch for the purpose of assembly, and to positively prevent said latch member from being slid off the same end of said rail.

2,152,082
POULTRY BLEEDING AND STEAMING MACHINE
Paul Onorato, San Mateo, and Emile Weinaug, San Francisco, Calif.
Application October 3, 1934, Serial No. 746,680
1 Claim. (Cl. 17—11)



In a machine of the character described a conveyor comprising a pair of spaced endless sprocket chains, a plurality of screen covered frames secured to the chains and disposed crosswise thereof, a clamp at one end of each frame to secure the legs of a bird, means at the opposite end of each frame for receiving and securing the head of each bird, means for cutting the throats of the birds to bleed them as they are carried along by the conveyor, a steaming box through which the conveyor and the birds placed thereon

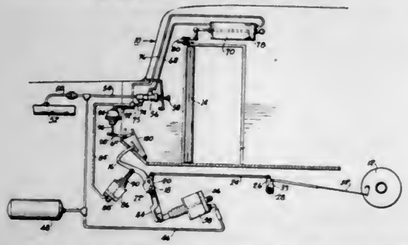
pass after the birds have been bled, a plurality of nozzles in the box above and below the conveyor, and means for releasing the birds from the conveyor after passage through the steaming box.

2,152,083
POULTRY BLEEDING AND STEAMING MACHINE
Paul Onorato, San Mateo, and Emile Weinaug, San Francisco, Calif.
Application September 3, 1935, Serial No. 38,918
6 Claims. (Cl. 17—11)



1. In a machine of the character described a conveyor to which birds are secured, a housing through which the conveyor passes, means for projecting a mixture of air and a heated fluid medium against and under the feathers of the birds while passing through the housing, and means for imparting a rotational movement to the birds.

2,152,084
BRAKE
Willard B. Paine, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 5, 1936, Serial No. 83,734
3 Claims. (Cl. 303—6.1)



1. For use with an automotive vehicle, a combined system comprising means including a pedal for operating brakes, means including a power cylinder and a source of fluid pressure differential for opening a door, and means including a power cylinder responsive to the operation of the door operating means for actuating the brake applying pedal, there being provided a control valve having a connection with said source of fluid pressure differential, having another connection with one end of said power cylinder for operating said door, and having another connection jointly with the other end of said door operating cylinder and with said power cylinder connected with said brake pedal.

2,152,085
COIFFURE FOR PLASTIC FIGURES AND METHOD OF MAKING THE SAME
Hermione Ruth Palmer, Berkeley, Calif.
Application April 25, 1938, Serial No. 204,059
1 Claim. (Cl. 46—172)

A hollow molded head having a plurality of openings therein, a plurality of strands of wire forming an individual curl set, the strands being substantially straight at one end and curled adjacent the opposite end, the straight ends of said



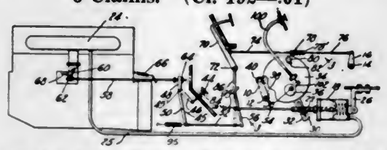
strands being introduced through an opening of the head and having locking relation with another set of strands introduced through an adjacent opening of the head.

2,152,086
PALLET CONSTRUCTION
William J. Powell, Hubbard, Ohio, assignor to The Powell Pressed Steel Company, Hubbard, Ohio, a corporation of Ohio
Application December 5, 1938, Serial No. 243,979
6 Claims. (Cl. 248—120)



6. Pallet construction including longitudinally extending one-piece side channels having upright webs and outwardly directed legs, a longitudinally extending one-piece channel intermediate said side channels and having an upright web and legs angular thereto, top and bottom deck members supported on said channels, said side channel legs having integral angular flange portions abutting the extremities of said top and bottom deck members and integral inturned flange portions overlapping said extremities, the webs of said side and intermediate channels having transversely extending ribs formed therein at longitudinal intervals, and said ribs extending continuously and angularly into the channel legs to form fillets between the rib portions in the web and legs.

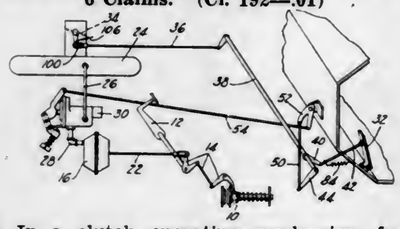
2,152,087
POWER CLUTCH AND BRAKE CONTROL
Harold W. Price, Otto Capra, and Earl R. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 26, 1935, Serial No. 42,194
6 Claims. (Cl. 192—.01)



1. In an automotive vehicle provided with a clutch, a brake, and a throttle, power means for operating the brake and clutch comprising a

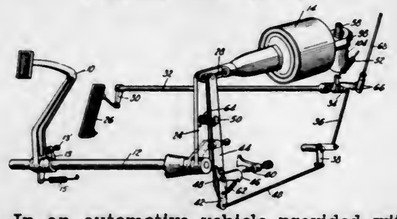
vacuum suspended type of power actuator, including a cylinder and a piston, a valve member housed within said piston, means interconnecting said valve member with the accelerator, and means interconnecting said piston with the brakes and clutch comprising a cam member contoured to provide for a variable engagement of the clutch.

2,152,088
CLUTCH CONTROL MECHANISM
Earl R. Price and Harold W. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 26, 1935, Serial No. 42,201
6 Claims. (Cl. 192—.01)



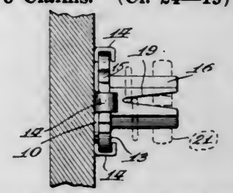
1. In a clutch operating mechanism for an automotive vehicle provided with a clutch, a throttle valve and an accelerator, a pressure differential operated power device connected with the clutch, pressure sensitive valvular means for controlling the operation of said power device, linkage having a lost motion connection therein interconnecting said throttle valve and valvular means, said linkage further including a leverage-changing means, said valvular means including a plurality of telescoping members operative upon movement of the accelerator to idling position to render the power device operative to disengage the clutch and operative upon movement of the accelerator toward open position for successively releasing the clutch elements for movement toward operative engagement, said valve operation further effecting an arresting of the movement of the clutch elements at a point prior to operative engagement, and then further releasing the clutch elements for movement into operative engagement.

2,152,089
CLUTCH CONTROL MECHANISM
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 29, 1937, Serial No. 166,296
4 Claims. (Cl. 192—.01)



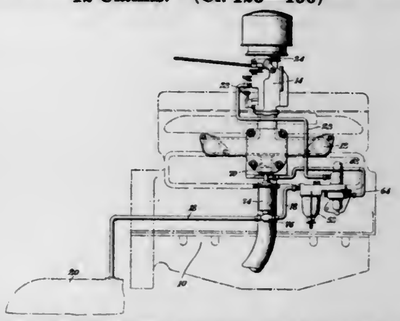
1. In an automotive vehicle provided with a clutch and an accelerator, power means for operating the clutch comprising a pressure differential operated motor, means interconnecting said motor, clutch and accelerator including a follow-up valve mechanism for controlling the operation of said motor, said follow-up valve mechanism including a leverage-changing mechanism interconnecting the accelerator, clutch and motor.

2,152,090
CONCRETE FORM TIE WIRE TIGHTENER AND FASTENER
Alexander T. Pryne, Los Angeles, Calif.
Application April 20, 1938, Serial No. 203,217
8 Claims. (Cl. 24—19)



1. A concrete form tie wire tightening and anchoring device comprising a base, a stud projecting from the center of said base, said stud provided with an axial bore, the lower end of which passes through the center of the base and the wall of said stud surrounding the bore being provided with longitudinally disposed slots.

2,152,091
SYSTEM FOR FEEDING FUEL
Edward A. Rockwell, West Hartford, Conn.
Original applications March 3, 1930, Serial No. 432,743, renewed June 2, 1933, and October 16, 1933, Serial No. 693,742. Divided and this application January 17, 1936, Serial No. 59,628
12 Claims. (Cl. 123—136)

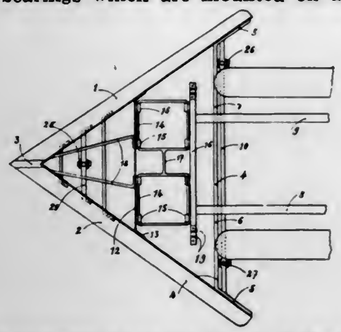


1. In a fuel feeding system for internal combustion engines, an intake manifold for supplying a fuel mixture to the engine, a carbureter for delivering a fuel mixture into said intake manifold, a supplemental float chamber, means for collecting excess liquid fuel in the intake manifold and delivering such fuel into the supplemental float chamber, an outlet from said float chamber, a float in said float chamber controlling the outlet from said chamber and a secondary suction-operated valve controlling the outlet from said float chamber.

2,152,092
SNOW PLOW
Pierre Rougier, La Courtine, Creuse, France
Application October 8, 1936, Serial No. 104,687
In Austria October 8, 1934
3 Claims. (Cl. 37—44)

1. A snowplow consisting of two plowshares attached together to form a nose and adapted to be attached to the front part of a tractor comprising, a longitudinal strut secured to each plowshare on the nose of the snowplow and having the other end fixed to an upright plate, four bearings carried by said plate, a frame having

a side thereof mounted in two of said bearings, another frame mounted in the other two bearings, means connecting said frames, the opposite sides of said frames passing through four additional bearings which are mounted on a beam



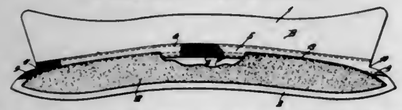
secured transversely to the frame of the tractor so that when one of the plowshares of the snowplow comes in contact with an obstacle the double frame rotates in said bearings whereby the snowplow is maintained in a horizontal position.

2,152,093
COLLAR
Wilton Rubinstein, Clayton, Mo.
Application April 7, 1938, Serial No. 200,636
16 Claims. (Cl. 2—131)



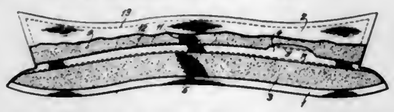
1. A turned down collar comprising an exposed ply and an infold ply both of which extend the full length and width of the collar and forming a band and a cape, sections of pliable material in the band and the cape respectively having their adjacent edges separated by an intervening space along the fold line of the collar, a strip overlapping the adjacent marginal edges of said sections and being unattached to the exposed ply of the collar between said sections, stitches attaching said strip and the adjacent margins of said sections, and means attaching the edges of said strip to said infold ply apart from said stitches.

2,152,094
COLLAR
Wilton Rubinstein, Clayton, Mo.
Application June 13, 1938, Serial No. 213,347
7 Claims. (Cl. 2—131)



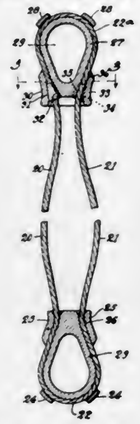
1. In a turned down collar having an exposed ply and an infold ply both of which extend the full length and width of the collar forming a band and a cape, and having a fold line along which the band and cape may be turned against each other; a bias strip extending longitudinally the full length of the collar and having a width greater than the width of the fold line and extending a short distance into the band and cape respectively, means attaching the longitudinal margins of said strip to said infold ply, and sections of lining material in the band and cape respectively covering the margins of said strip and said attaching means and having their adjacent edges separated by a longitudinal space along the fold line of the collar throughout the length of said sections and said strip, and each having its upper edge attached to said strip and to said infold ply by a longitudinal row of stitches.

2,152,095
COLLAR
Wilton Rubinstein, Clayton, Mo.
Application November 9, 1938, Serial No. 239,624
9 Claims. (Cl. 2—131)



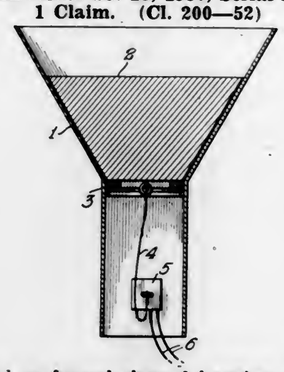
1. In a turned down collar having an exposed ply, and an infold ply, both extending the full length and width of the collar and forming a band and a cape and having a fold line along which the band and cape may be turned against each other; lining sections in the band and cape respectively having their upper edges separated by a longitudinal space along said fold line, and a strip or tape extending approximately the length of the collar along said fold line and having its margins extending downwardly into the band and cape in overlapped relationship to the upper margins of said lining sections and separating the upper margin of one of said sections from the infold ply and the upper margin of the other section from the exposed ply and attached to said sections and to said infold ply along opposite sides of said fold line.

2,152,096
THIMBLE
William C. Russell, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Wisconsin
Application December 3, 1937, Serial No. 177,939
8 Claims. (Cl. 294—74)



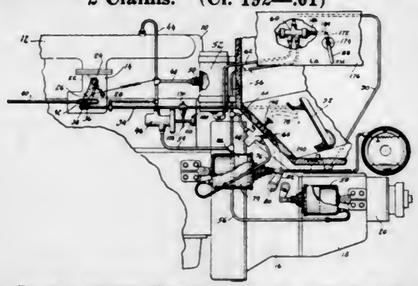
1. In combination a sling and thimble, said thimble comprising a member defining an eye and having a grooved exterior, and a pair of rope ends, each being passed once about said eye and having its free end secured thereto.

2,152,097
AUTOMATIC IGNITION CUT-OFF
William J. Saling, Decatur, Ill.
Application December 18, 1937, Serial No. 180,541
1 Claim. (Cl. 200—52)



A flared or funnel shaped housing, shaped at an angle of forty-five degrees from vertical on one side, of thirty degrees from vertical on two sides, and vertical on one side, open at the top end, containing a weight shaped to fit said housing having a cord attached to the bottom of said weight, which said cord is attached to an electrical switch or cut-off contained in a switch-box attached to the lower end of said housing.

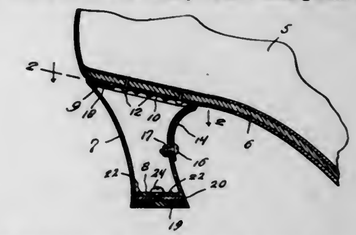
2,152,098
TRANSMISSION MECHANISM
Roy S. Sanford, New York, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 27, 1935, Serial No. 42,420
2 Claims. (Cl. 192—.01)



1. In an automotive vehicle provided with an accelerator, wheel brakes and a clutch, power means for operating said brakes and clutch comprising a pressure differential operated motor operably connected with the clutch, a separate pressure differential operated motor operably connected with the brakes, and valve mechanism for controlling the operation of said motors including a valve for controlling the brake operating motor and an accelerator operated valve operable, upon release of the accelerator, to effect an energization of the clutch operating motor to disengage the clutch and to make possible an energization of the brake operating motor with an operation of its aforementioned control valve.

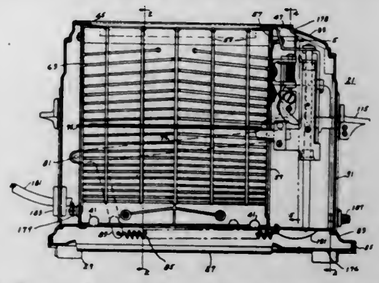
2,152,099
DETACHABLE SHOE HEEL
Adolph J. Sansonetti, Wakefield, Mass.
Application April 5, 1937, Serial No. 135,132
3 Claims. (Cl. 36—41)

1. A detachable heel comprising a hollow metallic heel member open at the top and provided along the sides and rear of its upper edge with an inwardly directed flange omitted at the front upper edge of said heel member, the breast wall of said hollow heel member having a threaded opening, a sheet metal securing plate having its major central portion fastened to the under side of the shoe bottom in flat contact with the latter and provided with a downwardly offset marginal portion at the rear and sides thereof, the inturned flange of the hollow heel member being engageable over the downwardly offset marginal portion



of the securing plate by a substantially horizontal sliding movement of the heel with respect to said securing plate, an integral depending extension on the forward edge of said securing plate conforming to and engaging the breast wall of the hollow heel member and having an opening registered with the threaded opening in the breast wall of said hollow heel member, and a screw passing through the opening in said extension and threaded into said threaded opening of the breast wall of the hollow heel member for preventing rearward disengagement of the hollow heel member from the attaching plate.

2,152,100
AUTOMATIC ELECTRIC TOASTER
Frank W. Scharf, Western Springs, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application February 19, 1937, Serial No. 126,580
28 Claims. (Cl. 219—19)



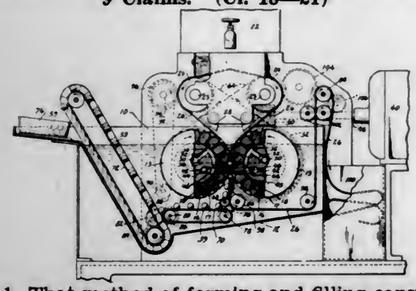
25. In a toaster, the combination with a casing, electric toasting means therein, a vertical intermediate wall in the casing to provide a toasting chamber and a mechanism chamber and means to initiate a toasting operation, of means to automatically terminate a toasting operation after a time interval the length of which is dependent on the temperature of the toaster, said terminating means including a thermally-actuable element positioned against the vertical intermediate wall in the mechanism chamber to subject the element to heat conducted through the intermediate wall and subjected also to radiant heat directly from the toasting means and to a draft of cooling air caused by the toasting means and flowing through the mechanism chamber.

2,152,101

METHOD AND APPARATUS FOR MAKING CAPSULES BY SUBMERGED FILLING ACTION

Robert P. Scherer, Detroit, Mich.

Application October 28, 1935, Serial No. 47,095
9 Claims. (Cl. 18—21)



1. That method of forming and filling capsules with a liquid filler content comprising submerging a pair of strips of capsule forming material within said liquid filler content and while submerged advancing them along converging paths into juxtaposition, forming corresponding cavities in such strips prior to juxtaposition thereof and while the strips are submerged urging corresponding portions of the strips surrounding said cavities together sealing said portions together thereby forming liquid filled capsules.

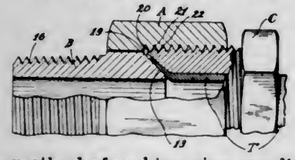
6. Apparatus for forming and filling capsules with a liquid filler content comprising a liquid filler tank, mechanism operable to advance a pair of strips of capsule forming material along converging paths into juxtaposition within said tank including a pair of die rolls provided with corresponding capsule forming cavities, said rolls being rotatably supported within the tank to urge said strips into submerged juxtaposition between the rolls and with corresponding cavities of the rolls moved into registration sealing the strips together around the margins of said cavities, mechanism operable to establish a suction within corresponding cavities of the rolls drawing corresponding portions of the strips thereinto prior to the juxtaposition of the strips between the rolls.

2,152,102

FITTING AND METHOD OF MAKING SAME

Henry D. Stecher, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application January 28, 1935, Serial No. 3,705
Renewed January 27, 1938
11 Claims. (Cl. 29—157)



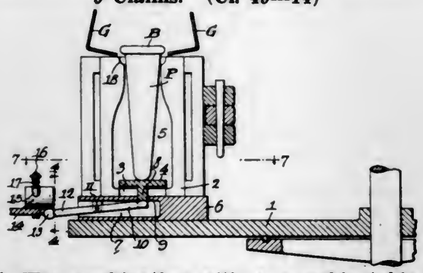
1. The method of making pipe couplings of ferrous material which includes the steps of rotating a piece of bar stock in an automatic screw machine, drilling a central aperture in the bar, forming a screw threaded end and a cylindrical surface on the bar, cutting off the bar to provide a conical projection adjacent one end of the cut off piece, forming a hollow member having an internally threaded portion and an internal cylindrical surface adapted to engage the cylindrical surface on the member formed from bar stock, assembling said tubular member and said member formed from bar stock with their respective cylindrical surfaces in contact, supplying copper to the adjacent cylindrical surfaces, and heating the assembled members in a furnace having a reducing atmosphere to a temperature at which the copper will melt and alloy with the adjacent steel surfaces thereby permanently and securely joining said members.

2,152,103

GLASS FORMING MACHINE

Charles W. Studley, Sapulpa, Okla., assignor to Liberty Glass Co., Sapulpa, Okla.

Application May 14, 1937, Serial No. 142,694
9 Claims. (Cl. 49—14)



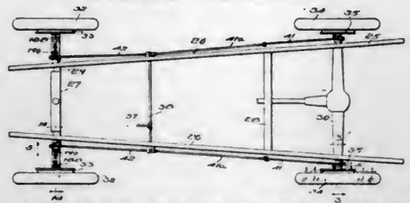
1. The combination with a movable table, a blow mold, and means for lowering a parison into the blow mold, said blow mold having a seat in its upper portion for engagement by the neck finish of the parison, of a member seated within the bottom portion of the blow mold, and resilient means controlled by the movement of the table for elevating said member within the blow mold to receive the weight of the parison when released within the blow mold and for controllably lowering said member to lower the parison onto said seat.

2,152,104

BRAKE DEVICE

John W. Tatter, Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Refiled for abandoned application Serial No. 257,397, February 27, 1928. This application June 19, 1936, Serial No. 86,064
2 Claims. (Cl. 188—78)



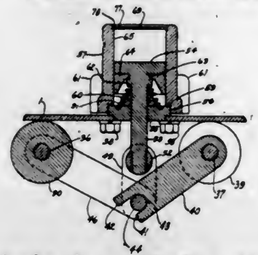
1. A brake comprising a rotatable brake drum, a brake band, a member provided with a groove the edges of which are substantially radial to the brake drum and spaced a substantial distance apart arcuately of the drum and held against rotation with respect to the drum, a lug rigidly secured to said brake band, said lug being substantially the same width as and having corresponding radial edges and being engageable with said groove to limit angular displacement of the brake band around the axis of rotation of the drum, and means for contracting the brake band and for yieldingly holding said lug in said groove.

2,152,105

BRAKE

John W. Tatter, Akron, Ohio, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Substituted for abandoned application Serial No. 564,085, September 21, 1931. This application June 19, 1936, Serial No. 86,070
3 Claims. (Cl. 188—152)



1. In a brake, the combination of a brake drum, a brake support member, a single brake shoe in said brake drum, a fixed anchor between the ends of said single brake shoe, said fixed anchor being connected with said brake support member, toggle members pivotally connected to the ends of said brake shoe, a pair of links pivotally connected to said toggle members, a member pivotally mounted in said pair of link members, a hydraulic cylinder suitably mounted on said brake support member, said hydraulic cylinder extending in a plane substantially parallel with the axis of said brake drum, a piston slidably mounted in said hydraulic cylinder, means connecting said piston with said member pivotally mounted in said pair of link members, said means extending through said brake support member, means for receiving hydraulic pressure to move said piston away from said brake shoe, and means for adjusting said brake shoe relative to said brake drum.

2,152,106

DIAL CONSTRUCTION

Walter Dorwin Teague, Jr., Forest Hills, N. Y., assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application December 2, 1937, Serial No. 177,708
5 Claims. (Cl. 116—124.1)



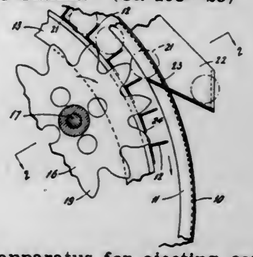
1. A dial for radio sets, comprising a disc-like member, bearing a plurality of concentric scales or indicia, having an outer beveled portion, bearing the outermost scale and at least one inner portion bearing another scale and lying approximately at the same angle to the general plane of the disc-like member, the said two portions being connected by a reversely beveled portion, the said dial means being translucent, in combination with a plate-like member located behind the said disc-like member and bearing vanes located substantially at the boundary lines of the said scales, and illuminating means in the spaces demarked by said vanes

2,152,107

CAN HANDLING APPARATUS

Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application August 9, 1937, Serial No. 158,161
3 Claims. (Cl. 198—25)



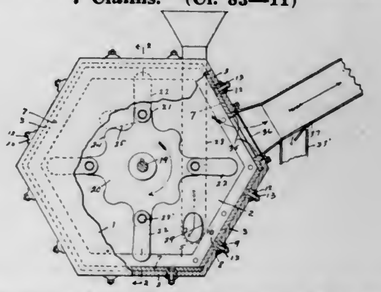
1. In an apparatus for ejecting cans from a cooker or the like of the reel and spiral canway type, a rotatable reel of longitudinally extending angle shaped pusher bars, each bar having one flange extending substantially radially of said reel and the other flange extending substantially circumferentially of said reel, spiral canway means surrounding said reel, a toothed ejector wheel mounted within the circumference of said reel and having involute teeth driven by said reel, and discharge means for receiving cans from said reel; the circumferential flanges of said pusher bars being partially cut away in the path of said ejector wheel to provide circumferential flange portions of reduced width in said path, whereby to allow the teeth of said wheel to project through between successive pairs of adjacent bars and lift the cans from the reel into said discharge means while providing support for cans upon the reel until engagement thereof by said ejector wheel.

2,152,108

ORE-BREAKING DEVICE

Reuben S. Tice, Monterey, Calif.

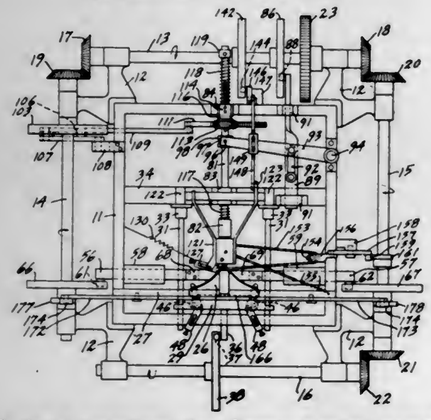
Application March 6, 1936, Serial No. 67,438
7 Claims. (Cl. 83—11)



1. A device for reducing relatively large pieces of ore to substantially powder-like fineness comprising a polygonal-sided drum-like casing having at least six abutting sides and having opposite end walls and disposed with its end walls substantially vertical in which casing the sides thereof are flat and substantially of the same dimensions, a shaft co-axial with the central horizontal

axis of the casing that passes centrally through the end walls of the casing, said shaft rotatably extending through one of said end walls into the casing and a single row only of hammers within the casing secured to the shaft and radially extending therearound in a single vertical plane centrally of the casing for revolving with the shaft upon rotation of the latter the hammers extending closely adjacent the end walls of the casing, said hammers being spaced substantially equidistant at their outer ends from the central portions of said sides of the casing when said hammers are in radially extended position, the space providing said clearance being of a width radially of the drum axis to substantially prevent grinding of the relatively large pieces of ore between the sides and hammers, an outlet for the powdered ore in one of the sides of the casing positioned in the upper half thereof and an ore inlet for relatively large pieces of ore to be reduced to powder form positioned adjacent one of the lateral sides of the hammers closer to said axis than the outlet whereby the powdered ore will be blown out of the casing through the outlet by motion of the hammers.

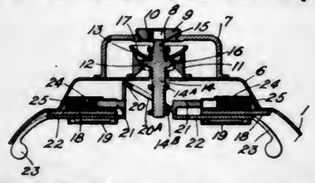
2,152,109
GARMENT HANGER MACHINE
Francis B. Todd, Attalla, Ala.
Application March 24, 1938, Serial No. 197,789
13 Claims. (Cl. 140—71)



1. In a machine for forming wire garment hangers, the combination with a form plate, of a feed carriage for carrying wire blanks to the form plate, forming arms pivotally mounted on the underside of the feed carriage, upturned fingers provided on the forming arms for engagement with the ends of the wire blanks, and connecting links having their inner ends pivotally connected to the forming arms and their outer ends engaging the frame of the machine for actuating the forming arms to bend the wire blanks around the form plate.

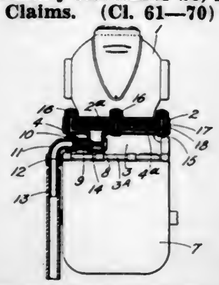
2,152,110
DIVING SUIT VALVE
Ernst Töpper, Berlin-Neukolln, Germany, assignor of one-half to William Hamilton Martin, London, England
Application November 2, 1937, Serial No. 172,466
In Germany November 13, 1936
10 Claims. (Cl. 61—70)

1. An air escape means for a diving suit, comprising a valve member having a first rigid head and a second resilient head, guiding means for said member, a valve seat for said rigid head, a valve seat for said resilient head, and means interior to the diving suit for controlling the position of said first head in respect of said first seat, said last named means serving to vary the sealing pressure of the resilient head with respect to its



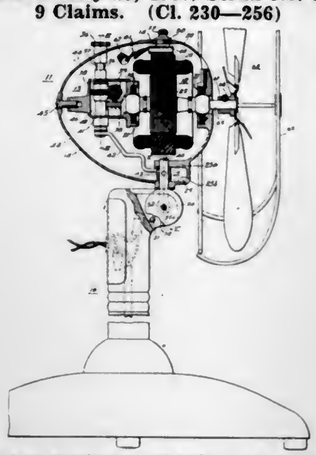
seat during all changes of the position of said rigid head while at all times maintaining sealing cooperation of the resilient head and its seat in the absence of excessive suit pressure.

2,152,111
AIR FEED FOR DIVING SUITS
Ernst Töpper, Berlin-Neukolln, Germany, assignor of one-half to William Hamilton Martin, London, England
Application November 24, 1937, Serial No. 176,334
In Germany November 28, 1936
9 Claims. (Cl. 61—70)



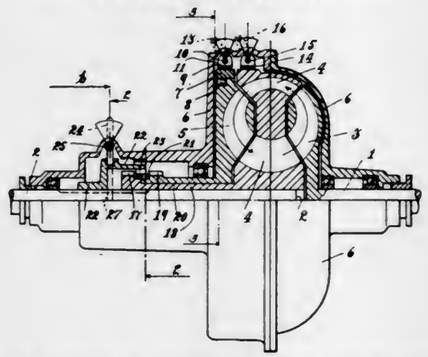
1. In a diving suit, the combination of a hollow helmet flange, a hollow flange on the body portion, and hollow interattaching means for said flanges, the whole thereby acting as an air passage.

2,152,112
OSCILLATING FAN
Torsten H. Tornberg, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 25, 1937, Serial No. 144,622
9 Claims. (Cl. 230—256)



1. In a fan driving mechanism, the combination of a motor including a stator and a rotor, a first cover portion in which one end of the rotor is journaled, means for supporting said stator within the first cover portion, a bracket within which the opposite end of the rotor is journaled, means for securing the bracket to said cover portion and a second cover portion enclosing said bracket and engaging the first cover portion.

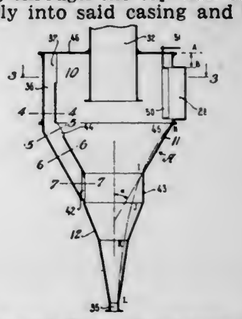
2,152,113
HYDRAULIC POWER TRANSMISSION
Willem Petrus van Lammeren, Voorschoten, Netherlands
Application October 23, 1936, Serial No. 107,245
In Great Britain November 27, 1935
6 Claims. (Cl. 60—54)



1. A reversible hydraulic power transmission of the Föttinger type, comprising a driving and a driven shaft, a vaned pump impeller on the driving shaft, a first rotatable vaned member adjacent the pump impeller and a second rotatable vaned member adjacent the first rotatable vaned member, said vaned members co-operating to form a fluid power transmitting circuit, releasable braking means for preventing rotation of said first vaned member, a releasable one-way braking device for preventing rotation of the second vaned member in the direction reverse to that of the first vaned member but allowing it to rotate in the same direction as the first vaned member so that the transmission can act as an hydraulic coupling, coupling means for selectively coupling either of said rotatable vaned members to the driven shaft and means for preventing said second vaned member rotating faster than the first vaned member in the forward direction, the arrangement being that said first vaned member acts as the forward driving member when its braking means is released and it is coupled to the driven shaft and said second vaned member acts as the reverse driving member when its one-way braking means is released and it is coupled to the driven shaft, the first member being braked and acting as a guide vaned member.

2,152,114
DUST SEPARATOR
Hermannus van Tongeren, Heemstede, Netherlands
Original application August 11, 1932, Serial No. 628,408. Divided and this application April 2, 1936, Serial No. 72,400. In the Netherlands August 17, 1931
10 Claims. (Cl. 183—83)

1. Apparatus for removing dust and other foreign matter from a gas comprising a vertically disposed casing the upper portion of which has a curved, substantially vertically disposed side wall, a wall closing the top of said casing, said casing having a gas inlet opening, a gas supply conduit disposed to discharge tangentially into said casing through said inlet opening, a gas outlet pipe extending through the top wall of said casing downwardly into said casing and having its



lower end open and disposed between the planes of the upper and the lower ends of said inlet opening, the side wall of the casing having a tangentially disposed skimming opening extending upwardly to the top wall of said casing, and a dust discharge duct leading from said skimming opening.

2,152,115
DUST COLLECTOR
Hermannus van Tongeren, Heemstede, Netherlands
Application May 5, 1937, Serial No. 140,987
In Great Britain May 8, 1936
18 Claims. (Cl. 183—110)

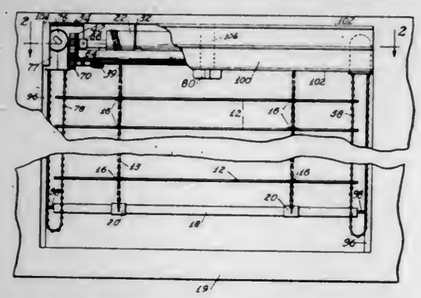


1. In a dust collector, walls forming a conduit the cross-section of which is substantially rectangular and decreases from the inlet towards the outlet end owing to the convergence of two of said walls, the other pair of said walls being parallel to each other, at least one of the walls of said conduit being formed by vanes which are inclined so that the direction of flow of the gas escaping between said vanes is approximately opposite to the direction of the main gas flow along the conduit, and at least one of said converging walls being movable to alter the angle of convergence.

2,152,116
VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,792
12 Claims. (Cl. 156—17)

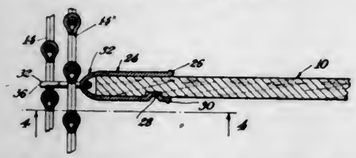
1. In a blind of the type having a plurality of

spaced slats and flexible members cooperating with said slats to raise and lower the same and also to pivot the said slats about their respective axes, operating mechanism comprising supporting means, a carriage member supported by said supporting means for movement about a horizontal axis and having flexible slat engaging elements connected thereto and operable to tilt said slats when said carriage is rotated about the said horizontal axis, an elongated winding member supported on said carriage member and being rotatable about, and slidable along, a horizontal axis substantially parallel with that of said car-



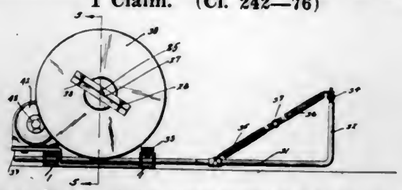
riage, said winding member having flexible elements attached thereto and to one of said slats such that a simultaneous rotative and sliding movement of said winding member will effect a winding thereon of the said flexible element attached thereto to effect a raising and lowering of said slats, said mechanism further including manually operable means for rotating said carriage, manually operable means for rotating said winding member independently of said carriage, and means operable when said winding member is rotated to slide the same along its axis of rotation.

2,152,117
VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,795
7 Claims. (Cl. 156—17)



7. In a Venetian blind of the type including slat-supporting members and a plurality of slats, clip means for removably attaching said slats to said supporting means, said clip means comprising: a U-shaped clip member of springy material having outwardly flared lips at the end of the legs of the U and there being provided an inwardly directed part in one of the legs between the lip and the bight portion of the clip and constituting a detent, said clips being attached to said slats with the lip portion thereof fitted onto the edges of the slats, and each of said slats having a detent-receiving notch formed therein adjacent the edges thereof onto which the clips are fitted and into which one of said detent formations is received when the clip is attached as aforesaid, and means for attaching said clips to said supporting means.

2,152,118
MACHINE FOR UNROLLING, MEASURING, AND REROLLING YARDAGE
Claude L. Walter and Raymond L. Blodgett, Portland, Oreg.
Application February 6, 1937, Serial No. 124,438
1 Claim. (Cl. 242—76)



In a device of the class specified, a frame having means for winding or unwinding yardage, a yardage guide associated with such frame comprising a pair of horizontal members having upright portions, the horizontal members being slidably mounted transversely in the frame, means for securing said members against sliding movement, a guide rod mounted to the upper end of the upright portions, a spring connected at one end to the top of each upright portion, a guide rod connected to the other ends of the springs, and springs each having one end connected to the second guide rod in proximity to its connection to the first springs and their other ends connected to the horizontal members.

2,152,119
BUCKLE
Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1937, Serial No. 166,471
10 Claims. (Cl. 24—194)

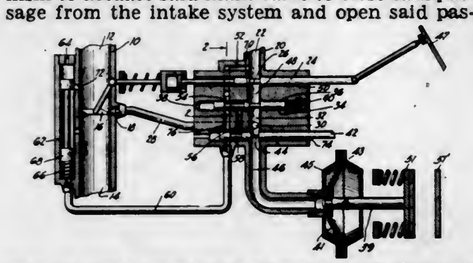


4. A slide buckle comprising a pair of slidably engaged frames disposed in a face-to-face substantially parallel relation, said frames having side bars and cross bars connecting said side bars for defining openings therethrough to receive a strap, means on said frames for directing relative longitudinal movements thereof, one cross bar on one of said frames having a recess in the face thereof for receiving an insert and an integrally formed underlying portion extending over a major portion of said recess and presenting a strap-engaging face inclined relative to the path of movement of the frames, and one cross bar on the other of said frames having a strap engaging face cooperating with the inclined face of the first mentioned frame to clamp the strap threaded therebetween in adjusted positions.

2,152,120
AUTOMATIC CONTROL OF CLUTCH AND THROTTLE ACTUATION OF AUTOMOTIVE VEHICLES
Ralph S. Whittington, Springfield, Mass., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Original application July 15, 1932, Serial No. 622,703. Divided and this application November 1, 1937, Serial No. 172,170
2 Claims. (Cl. 192—.01)

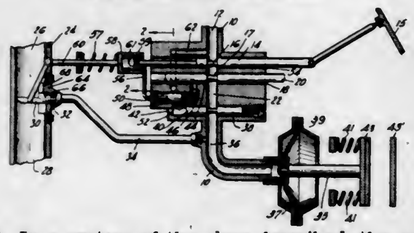
1. In an automatic control means for the clutch of an automotive vehicle, the combination with

the intake system, the carburetor riser and throttle valve, and a mechanism for controlling the throttle valve, of a pressure responsive means for releasing the clutch, means providing a passage between said intake system and said pressure responsive means, a main valve in said passage operable to control communication between said passage and said intake system, and between said passage and the atmosphere, an auxiliary valve in said passage for closing the passage between atmosphere and said pressure responsive means, means operating when the motor is idling to actuate said main valve and said auxiliary valve to provide direct communication between said intake system and said pressure responsive means to release said clutch, means operating upon the actuation of said throttle valve control mechanism to actuate said main valve to close said passage from the intake system and open said pas-



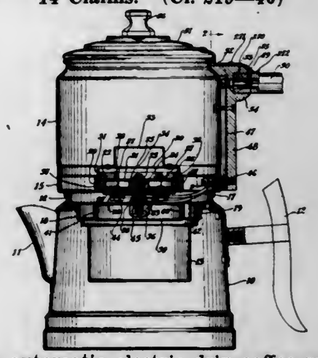
sage to the atmosphere whereby said clutch is moved toward engaged position, means operative by conditions accompanying the partial engagement of said clutch to close said auxiliary valve, and a conduit connecting said passage between said auxiliary valve and said pressure responsive means to said carburetor rising through a port being exposed to vacuum in said intake system when said throttle valve is closed and exposed to pressure in the carburetor riser on the opposite side of said throttle valve as said throttle valve is opened, a third valve in said passage, said third valve being located between said pressure responsive means and a point where said conduit connects to said passage, said third valve being operable to control communication between said passage and said pressure responsive means, and between atmosphere and said pressure responsive means.

2,152,121
AUTOMATIC CONTROL OF CLUTCH AND THROTTLE ACTUATION OF AUTOMOTIVE VEHICLES
Ralph S. Whittington, Springfield, Mass., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Original application July 15, 1932, Serial No. 622,703. Divided and this application November 1, 1937, Serial No. 172,171
5 Claims. (Cl. 192—.01)



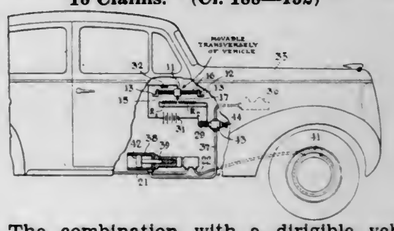
1. In a system of the class described, the combination with the intake system and the carburetor throttle valve of the motor, of a pressure responsive means for releasing the clutch, means providing a passage between said intake system and said pressure responsive means, means when the motor is idling to open said passage whereby vacuum from said intake system actuates said pressure responsive means to release said clutch, means operating upon the actuation of said throttle valve control mechanism to reduce the vacuum action on said pressure responsive means whereby said clutch is moved toward engaged position, and a member responsive to pressure changes accompanying the operation of said system, said member acting to open said throttle valve upon a predetermined drop in vacuum in said system.

2,152,122
AUTOMATIC ELECTRIC COOKING UTENSIL
Albert C. Wilcox, Massillon, Ohio, assignor to Federal Enameling & Stamping Company, McKees Rocks, Pa., a corporation of Pennsylvania
Application August 28, 1934, Serial No. 741,811
14 Claims. (Cl. 219—40)



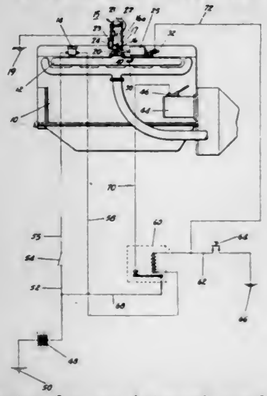
5. An automatic electric drip coffee maker including a water container, a coffee basket beneath the water container, heating means associated with the water container, means for discharging the water from the water container through the coffee basket, the heating means being inoperative when the water is discharged from the water container, a lid for the water container, and means for preventing opening of said lid until the heating means is rendered inoperative.

2,152,123
AUTOMATIC VEHICLE CONTROL SYSTEM
Allison R. Williams, Yazoo City, Miss.
Application December 17, 1937, Serial No. 180,443
16 Claims. (Cl. 188—152)



1. The combination with a dirigible vehicle having a braking system, of a power means for energizing said system; and automatic means responsive to lateral movement of said vehicle for rendering said energizing means effective under predetermined conditions.

2,152,124
ENGINE STARTING MECHANISM
Albert H. Winkler, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application November 16, 1936, Serial No. 111,067
8 Claims. (Cl. 290—38)



4. A starter for an internal combustion engine including a battery, a starter motor, an intake manifold and a carburetor having a throttle valve, an electrical switch controlled jointly by the position of the throttle valve and by the pressure in the manifold to interconnect the battery and starter motor when the throttle approaches the closed position and the pressure in the manifold is substantially atmospheric.

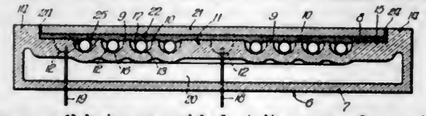
2,152,125
AUTOMATIC UNLOCKING SEPARABLE CONNECTOR
William A. Wulle, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey
Application August 2, 1937, Serial No. 156,875
8 Claims. (Cl. 173—328)



8. A separable electric connector comprising an elongated plug member and an elongated receptacle member adapted to be coupled and uncoupled by relative endwise movement, means to normally hold said members in locked assembled relation and arranged to effect release of said members when an abnormal pull is applied in use to said members to separate them, said means including a locking element on one of said members and arranged for limited rotative movement about the longitudinal axis thereof, means normally urging said element in one direction of rotative movement, and means to compel movement of said element in an opposite direction of rotative movement to unlock said members upon relative endwise movement of said members, while in locked relation, due to an abnormal pull applied to said members.

2,152,126
HEATING DEVICE
Hugh E. Young, Chicago, Ill., assignor to John Wentworth, Chicago, Ill.
Application October 2, 1936, Serial No. 103,733
3 Claims. (Cl. 219—37)

1. In a heating device of the character described, an evacuated flat hollow body of non-porous insulating material closed to the atmosphere and comprising a lower wall and an upper wall integrally connected to said lower wall, the marginal portion of said upper wall being thickened relative to said lower wall and the remainder of said



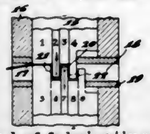
upper wall being provided at its upper face with reinforcing ribs defining grooves, electrical resistance heating elements in said grooves, and a plate of high heat conductivity overlying said grooves in proximity thereto and supported at its marginal portion by said thickened marginal portion of said upper wall.

2,152,127
METHOD OF MAKING PISTON RINGS
Victor F. Zahodiakin, Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, a corporation of New Jersey
Application April 10, 1934, Serial No. 719,885
14 Claims. (Cl. 29—156.6)



1. The process of forming a piston ring of flexible strip material, consisting of bending said strip into zigzag shape, successively die-pressing the corrugations to obtain squared corners, and thereafter substantially closing the throat of each corrugation whereby cross passageways are formed opening at the inner and outer peripheries of the ring.

2,152,128
METHOD OF MAKING PISTON RINGS
Victor F. Zahodiakin, New York, N. Y.
Application March 13, 1936, Serial No. 68,748
3 Claims. (Cl. 29—156.6)

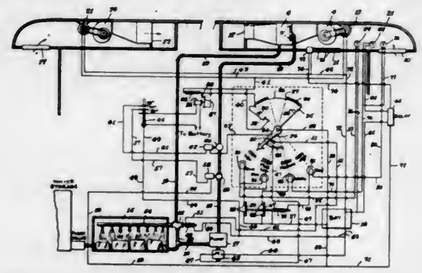


1. The method of fabricating a piston ring from a strip of metal consisting of the steps of, clamping the metal between opposing dies, bending the metal over the side of one of said opposing dies by means of a bending die and forming the crown of the corrugation between said bending die and an opposing die, bending the metal over the side of said bending die to form the other side wall of the corrugation and clamping the metal between another set of dies in alignment with the first set, thereafter retracting the bending die a slight amount and pressing the crown wall of the corrugation against said bending die by means of said die opposing said bending die, said opposing die having sharp corners whereby the corrugation is provided with sharp edges.

2,152,129
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application March 13, 1936, Serial No. 68,698
3 Claims. (Cl. 62—6)

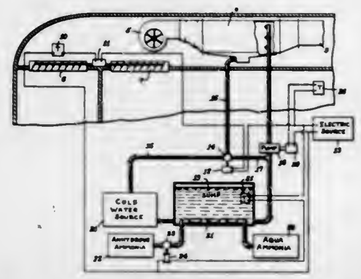
2. Air conditioning control apparatus for a passenger vehicle having an air washing system

adapted to operate alternatively in refrigerative cooling or evaporative cooling cycles, comprising a visual signal in said vehicle for indicating when said system should be operated in the evaporative



cooling cycle, and means responsive to changes in the wet bulb temperature of outdoor air entering said system for actuating said signal when the wet bulb temperature of the outdoor air has fallen to a predetermined minimum point.

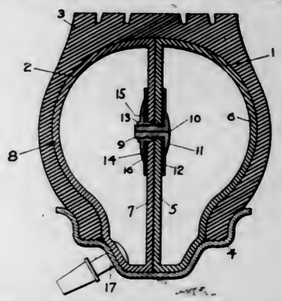
2,152,130
AIR CONDITIONING SYSTEM
Samuel M. Anderson and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Boston, Mass.
Application March 4, 1938, Serial No. 193,942
8 Claims. (Cl. 62—6)



7. An air conditioning system for supplying cold air to a room comprising an air cooler, main refrigerating means for supplying chilled liquid to said cooler, a room thermostat for controlling the effectiveness of said means, auxiliary refrigerating means for additionally chilling said liquid, and an air stream thermostat in the path of the air leaving said cooler for rendering said auxiliary refrigerating means effective when said main refrigerating means under control of said room thermostat is ineffective to maintain a predetermined minimum temperature of the air leaving said cooler.

2,152,131
PNEUMATIC TIRE
Benjamin Howard Benson and Bernard E. Mendelsohn, Brookline, Mass.
Application September 28, 1938, Serial No. 232,125
3 Claims. (Cl. 152—341)

1. An inner tube for a pneumatic tire comprising twin-tube sections having mating walls in contact with each other, an exteriorly-screw-threaded stud having a restricted bore therethrough extending through and projecting from the contacting wall of one tube section, and a nut member secured to the contacting wall of the other tube section and having a collar situated on the inside of said wall, said stud extending through the wall of said other tube section and having screw-threaded engagement

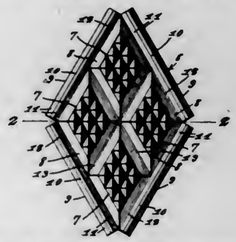


with the nut, said restricted bore providing a constantly open slow-leak passage between said tube sections.

2,152,132
ACETOACETYL AMIDES AND PROCESS FOR THEIR PREPARATION
Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application December 12, 1936, Serial No. 115,532
19 Claims. (Cl. 260—247)

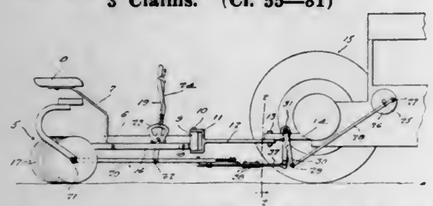
1. Process for preparing an acetoacetyl amide, which comprises slowly introducing diketene into and agitating the same with a water dispersion of a nitrogen-containing compound selected from the group consisting of primary aromatic amines, primary and secondary aliphatic amines, and ammonia.

2,152,133
SAFETY DEVICE
George E. Brousseau, Manchester, N. H.
Application March 23, 1938, Serial No. 197,717
1 Claim. (Cl. 24—3)



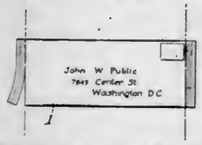
A new article of manufacture comprising a body formed from pliable material into sections of various shapes and sizes and having a flat rear face, some of said sections being grouped together and each grouped section having a raised roughened surface, beveled border walls about the roughened surfaces to provide feathered edges, border sections surrounding the grouped sections and having beveled portions providing feathered edges connected to the outer feathered edges of the grouped sections, the inner feathered edges of the grouped sections being connected together, ribs formed on the border sections, all of said sections adapted to be severed from each other for use on or with articles to set up a frictional engagement therewith or with surfaces adjacent said articles to hold the articles against movement, and said feathered edges facilitating severance of the sections.

2,152,134
CULTIVATOR DISK GANG OPERATOR
Harry H. Buhr, Sumner, Iowa, assignor of one-half to Fred Buhr, Sumner, Iowa
Application June 30, 1938, Serial No. 216,791
3 Claims. (Cl. 55—81)



1. In combination with a tractor having a power take-off, an agricultural machine including ground-engaging elements, means for changing the angle of the elements, said means including a shaft on the tractor, a crank on the shaft, control means from the crank to the ground-engaging elements, an arm on the shaft, and a connection between the arm and the power take-off.

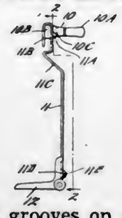
2,152,135
COMBINED LETTER SHEET AND ENVELOPE
Charles Z. Case and Carter J. Hughey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 22, 1938, Serial No. 203,592
1 Claim. (Cl. 229—92.1)



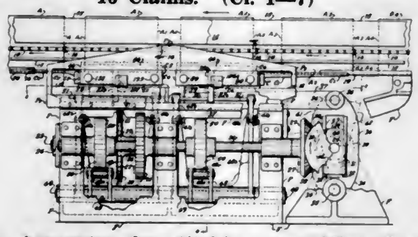
A combined letter sheet and envelope comprising a letter sheet bearing an area to be written upon, spaced parallel bands bordering the lateral sides of said area and spaced from the lateral edges of the sheet, parallel spaced adhesive coated areas extending parallel to said parallel bands and adjacent the edges of the sheet, said sheet being free from transverse adhesive coated lines and being adapted to be folded with the written area inside and sealed along the entire laterally adhesive coated edges, whereby the sheet may also serve as an envelope, the lateral parallel bands including heavily printed areas, said letter sheet comprising paper normally opaque to writing but translucent to the extent that the positions of the heavily printed areas are perceptible from the opposite side of the sheet, whereby the position for severing the ends of the folded sheet may be visible from the folded and pasted sheet.

2,152,136
THREAD GUIDE
Freeman Cass, Trenton, N. J., assignor to Mitchell Bissell Company, Trenton, N. J., a corporation of New Jersey
Application June 20, 1938, Serial No. 214,823
4 Claims. (Cl. 242—157)

1. In a thread guide device, in combination, a guide having a base portion and a thread receiving eye, said base portion having grooves on opposite sides of the surface thereof adjacent its rear end, and extending transversely of the longitudinal axis of the guide, a supporting wire for said guide formed of resilient material and having one end thereof shaped to form a holder for said guide, said holder having portions yieldably engaging said grooves on opposite sides of said guide and a portion arranged to engage the rear end of the guide.

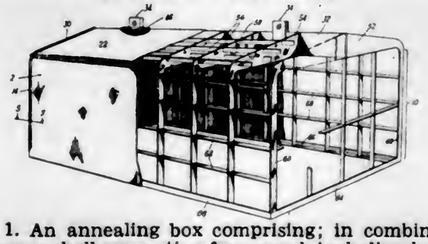


2,152,137
APPARATUS FOR STITCHING ASSEMBLIES
Harry W. Faeber, Philadelphia, Pa., assignor to The Cuneo Eastern Press, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 8, 1938, Serial No. 189,411
16 Claims. (Cl. 1—7)



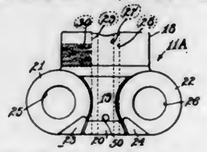
1. Apparatus for stitching assemblies of signatures comprising means for continuously conveying assemblies in succession to a stitching stage, cyclically operating mechanism including a carriage, means for causing forward and return strokes of said carriage along the path of said assemblies in each of successive cycles and for imparting to the forward and return strokes durations respectively materially less and greater than one-half of each cycle, stitching mechanism on said carriage, and means for operating said mechanism during said forward stroke.

2,152,138
HEAT TREATING EQUIPMENT
James Fletcher, Akron, and Earl E. Schoessow, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application April 20, 1937, Serial No. 137,934
12 Claims. (Cl. 263—49)



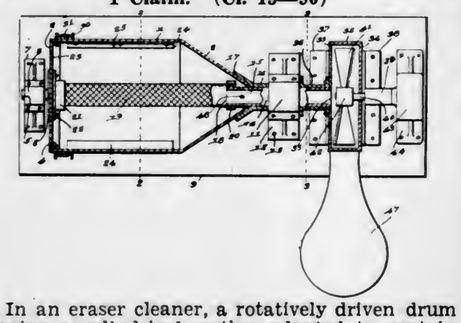
1. An annealing box comprising; in combination; a shell supporting framework including base rails, a series of inverted U-shaped frame members including cross beams and uprights spaced longitudinally of and connected to the base rails, and a main top beam connecting said cross beams; and an inverted U-shaped thin metal shell having its lower edges welded to the base rails and its top portion secured by welding to the main beam and its portions intermediate the base rails and main beam being unsecured to the framework so as to permit substantially free expansion of the shell relative to the frame.

2,152,139
METHOD OF MAKING MINING MACHINE CHAINS AND LINKS THEREFOR
Frank L. Fulke, Terre Haute, Ind., assignor to Frank Prox Company, Terre Haute, Ind., a corporation of Indiana
Application March 27, 1935, Serial No. 13,198
10 Claims. (Cl. 29—148)



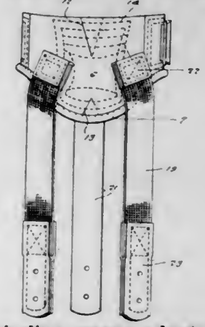
1. The method of making a mining machine cutter chain link which includes the steps of forging a link blank shaped to provide a head and a plurality of portions of different thicknesses, each one of said last-named portions having at least one surface parallel to at least one surface of each other one of said last-named portions, and machining certain of said parallel surfaces to reduce the thicknesses of certain of said last-named portions to adapt said link for use with any selected one of various mining machines.

2,152,140
ERASER CLEANING MACHINE
Charles L. Gilbert, Spokane, Wash.
Application November 29, 1937, Serial No. 177,050
1 Claim. (Cl. 15—90)



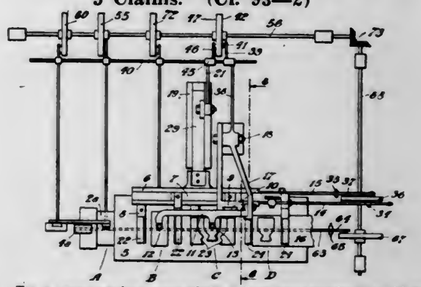
In an eraser cleaner, a rotatively driven drum having a cylindrical section adapted to contain erasers sufficient in number substantially to amount to congestion and provided with a conical section forming an extension of the interior of said cylindrical section and said conical section having an outlet opening and the remaining end of said cylindrical section having air intake openings, suction means connected with said outlet opening for sustaining currents of air through said drum to carry off dust ladened air therefrom, said cylindrical section having lifters for lifting and then releasing the erasers to tumble the latter whereby the tumbling erasers will continually obstruct and divert currents of dust ladened air from their normal courses, and a tubular abutment connected with said conical section and discharging into said outlet opening and extending through said conical section and axially through said cylindical section and being secured thereto to rotate therewith and form a revolving abutment to arrest and deflect erasers descending thereagainst, said abutment being foraminous substantially throughout its length to form an elongated egress for entrance thereinto of obstructed currents of dust ladened air at any point lengthwise of said drum.

2,152,141
ATTACHMENT FOR ARTIFICIAL LIMBS
Thomas Kohl, Wilkes-Barre, Pa.
Application July 9, 1937, Serial No. 152,836
3 Claims. (Cl. 3—11)



1. Leg encircling means adapted to be removably secured on the leg at the knee thereof and used for the connection and suspension of an artificial leg, said means being curved conformably to the curvature of a knee cap and comprising outer and inner layers of flexible material, and upper and lower reinforcing leather strips interposed between said outer and inner layers and stitched thereto said strips having opposed notched edges of obtuse angled form to permit of flexing movement of said means incidental to the bending of the leg.

2,152,142
WRAPPING MACHINE
Maurice Krafft, Lausanne, Switzerland, assignor to the firm Sapal Société Anonyme des Plieuses Automatiques, Lausanne, Switzerland
Application August 24, 1937, Serial No. 160,667
In Switzerland September 1, 1936
5 Claims. (Cl. 93—2)



1. In a wrapping machine for wrapping articles having transverse sectional areas of varying diameter, a plurality of operating stations at which the wrapping is effected, means operable at the first of said stations for folding a sheet of wrapping material around the article to the shape of a straight tube disposed tangential to the article along the circumference of that transverse sectional area thereof having the greatest diameter, and a plurality of grippers for moving the articles from one operating station to the next following station, one at least of said grippers having gripping surfaces of a shape corresponding to a portion of the shape of the articles to be wrapped whereby said gripper, upon gripping an article partially wrapped in said tube-shaped

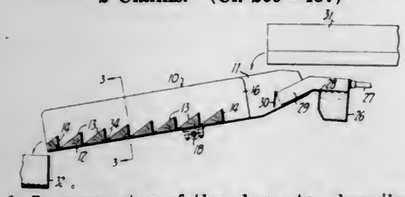
wrapping sheet to carry the article from one station to the next following station, simultaneously performs a wrapping operation by applying a portion of the tube-shaped wrapping sheet against that surface portion of the article corresponding to the shape of the gripping surfaces.

2,152,143

RAISIN CLEANING METHOD

Ernest E. Martin, Fresno, Calif., assignor to Rosenberg Bros. & Co., San Francisco, Calif., a corporation of California

Application December 15, 1937, Serial No. 179,894
2 Claims. (Cl. 209—437)



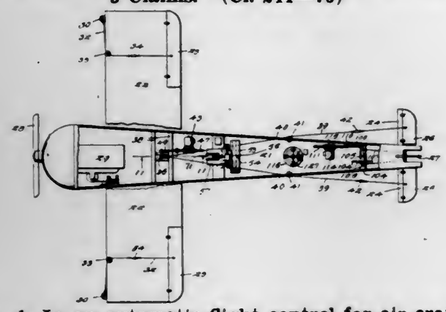
1. In apparatus of the character described, an inclined riffle structure including a plurality of steps, resilient pads covering the upstream faces of said steps, means for introducing a continuous flow of water into the upper end of said riffle structure, and means for introducing raisins into the stream of water whereby the raisins are sluiced through the riffle structure and heavier foreign material is separated therefrom, the upstream faces of said steps being inclined against the flow of water through said structure.

2,152,144

AIRCRAFT

Giuseppe Minelli, Dawson, N. Mex.

Application July 2, 1937, Serial No. 151,728
5 Claims. (Cl. 244—76)



1. In an automatic flight control for air craft, an electrical mechanism for actuating each of the elevator and rudder controls for vertical and horizontal avigation respectively of the craft, an automatic switch means for controlling the operation of each electrical means one independently of the other to maintain the craft at a given altitude and direction, and means for preventing the operation of the switch means for the actuation of the electrical mechanism for the elevator controls until the craft has reached a predetermined altitude.

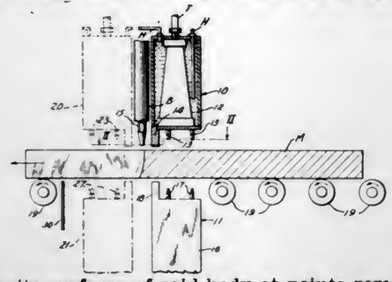
2,152,145

METHOD AND APPARATUS FOR CUTTING AND HEAT-TREATING METAL

Herbert H. Moss, Brooklyn, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application April 30, 1936, Serial No. 77,158
13 Claims. (Cl. 148—9)

1. A method of gas-cutting a ferrous metal body and concurrently counteracting the hardening effect induced in said body by such cutting operation, said method comprising applying a high temperature flame against successive portions of one surface of said body to preheat such portions to a kindling temperature; applying an oxidizing jet against such successively preheated portions; concurrently directing supplementary high temperature heating flames locally against



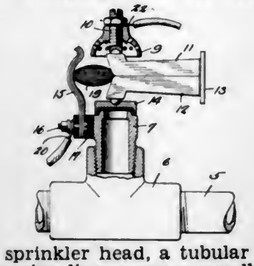
opposite surfaces of said body at points removed from the point of application of such preheating flame and said oxidizing jet but located substantially along the line of cut; and effecting motion of said body relative to such preheating flame, oxidizing jet and supplementary flames along the line of cut to produce a cut in said body and simultaneously counteract the hardening effects induced by the cutting operation.

2,152,146

SPRINKLER HEAD SIGNALING ATTACHMENT

Charles R. Murray, Sr., San Francisco, Calif.

Application May 18, 1937, Serial No. 143,365
2 Claims. (Cl. 169—39)



1. In a sprinkler head, a tubular base secured in a water-pipe line, a cap normally closing the upper end of the base, a circular supporting member rising from the base, a head secured to the circular supporting member directly over the upper end of the base, a pair of arms having their adjacent side edges contacting, a screw extending through the head and engaging one of said arms, the opposite arm resting against the cap holding the cap in place, a bar secured to the outer ends of the arms and held in position by fusible metal, a spring arm, a member disposed between the spring arm and inner ends of the first mentioned arms urging the first mentioned arms laterally when the fusible metal melts, releasing said first mentioned arms and cap whereby water is released to the head.

2,152,147

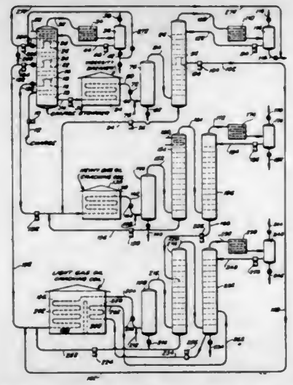
CONVERSION OF HYDROCARBON OILS

Charles W. Nofsinger, Summit, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application September 22, 1937, Serial No. 165,025
2 Claims. (Cl. 196—49)

1. A process for converting higher boiling hydrocarbon oils into lower boiling hydrocarbons

which comprises passing a charging stock comprising residual constituents of crude petroleum once through a single-pass cracking zone wherein the oil is subjected to cracking conditions of temperature and pressure to effect viscosity-breaking thereof, passing resultant viscosity-broken products to a separating zone wherein vapors separate from liquid residue, passing resultant separated vapors to a fractionating zone wherein the vapors are fractionated to form a heavy gas oil condensate and a light gas oil condensate, directing the heavy gas oil condensate to a recycling cracking zone wherein it is subjected to cracking conditions of temperature and pressure to effect conversion into lower boiling hydrocarbons, passing resultant cracked products from said recycling cracking zone to a second separating zone wherein vapors separate from residue, directing resultant separated vapors to a second fractionating zone wherein the vapors are fractionated to form a heavy reflux condensate and a lighter condensate, cycling said heavy reflux



condensate to said recycling cracking zone, directing aforesaid light gas oil condensate to a second recycling cracking zone wherein it is subjected to cracking conditions of temperature and pressure to effect conversion into lower boiling hydrocarbons, passing resultant cracked products from the second recycling cracking zone to a third separating zone wherein vapors separate from residue, passing resultant separated vapors to a third fractionating zone wherein the vapors are fractionated to form a heavy reflux condensate, an intermediate condensate and a light distillate, cycling the heavy reflux condensate from the third fractionating zone to the second recycling cracking zone, introducing said lighter condensate from the second fractionating zone to the third fractionating zone wherein it is subjected to vaporization and resultant vapors are subjected to fractional condensation to thereby combine constituents of said lighter condensate with the intermediate condensate in the third fractionating zone and withdrawing said intermediate condensate as a product of the process.

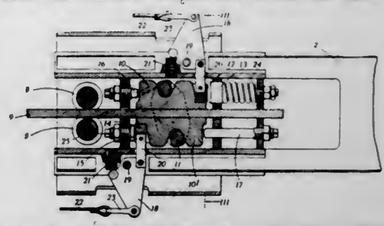
2,152,148

SHAKER CONVEYER

Tage Georg Nyborg, Worcester, England, assignor of one-half to The Mining Engineering Company Limited, Worcester, England

Application March 24, 1937, Serial No. 132,838
In Great Britain June 10, 1936
9 Claims. (Cl. 198—220)

1. In a shaker conveyer comprising two sections in telescopic relation to one another, means for advancing or retracting one of these sections relatively to the other comprising a longitudinal bar rigidly connected to one of these sections, shoes arranged on each side of the longitudinal bar, an inclined member embracing the shoes, fixed abutments carried by the other section, removable abutment members between the fixed



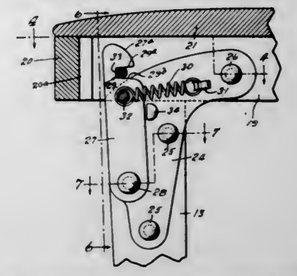
abutments and the inclined member pressing eccentrically upon the inclined member during movement of the conveyer so as to vary its angularity and move the shoes to clamp the bar and means for selectively rendering the removable abutment members inoperative during the forward and backward stroke of the conveyer respectively.

2,152,149

FOLDING CHAIR

Alan B. Park, Metropolis, Ill., assignor to The Metropolis Bending Company, Metropolis, Ill., a corporation of Illinois

Application June 14, 1937, Serial No. 148,027
10 Claims. (Cl. 155—141)



1. In a folding chair, the combination of a back, a seat frame pivoted to said back and including a pair of side elements and a front element connected thereto, a pair of front legs, a bracket pivotally connecting each front leg to a side element, a detent movably mounted on the inner face of each of the said brackets, fixed latch members connected each to the front portion of a side element and to the front element of the seat frame and each having a portion spaced from the said front element, said portions being adapted, when the chair is in open position, to be operatively engaged by said detents, respectively, and means for simultaneously operating said detents thereby to unlatch the same from said fixed latch members.

2,152,150

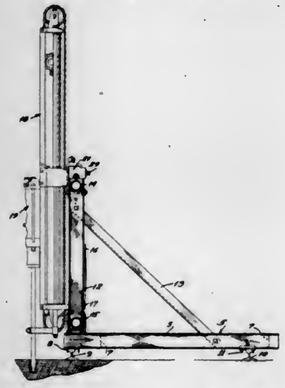
QUARRY DRILL FRAME

Gustav C. Pearson, Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill., a corporation of Delaware

Application May 9, 1938, Serial No. 206,958
6 Claims. (Cl. 255—51)

1. In a quarry frame, the combination of a bar and a drill supported thereby, a saddle securing the drill to the bar, an element secured to the

bar, coacting means carried by both the saddle and element for moving the drill with respect to



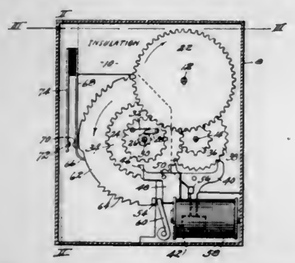
the bar, and adjustable means limiting the movement of the drill upon the bar.

2,152,151

AUTOMATIC INDICATING SYSTEM

William J. Phillips, North Kansas City, and Raleigh Scovel, Kansas City, Mo.

Application July 29, 1936, Serial No. 93,220
Renewed February 16, 1939
8 Claims. (Cl. 179—5)



1. In an automatic indicating system, having an annunciator, impulse sending mechanism in circuit with the annunciator comprising a circuit making and breaking disc, having a series of notches formed in the periphery thereof; a switch in said circuit having a part thereof in following engagement with the periphery of the disc to intermittently open and close the said circuit; means for rotating the disc about its axis; a latch to normally hold the rotating means inactive; an electro-magnet for moving the latch to release the rotating means; and a circuit having a switch therein for energizing the electro-magnet, said last mentioned switch being held closed when the latch is holding the rotating means inactive.

2,152,152

DENTAL INVESTMENT OR REFRACTORY MATERIAL

Emil M. Prosen, Philadelphia, Pa., assignor to Nobilium Products, Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application July 28, 1937, Serial No. 156,231
2 Claims. (Cl. 22—188)

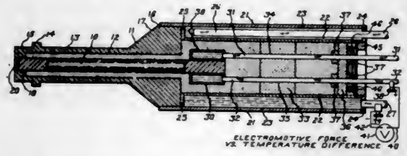
2. In a refractory for dental castings wherein the shrinkage of metal cast therein is compensated by a corresponding expansion of the refractory and wherein the refractory is capable of quickly setting with a phosphoric acid solution in from 2 to 15 minutes at atmospheric temperatures, said refractory comprising a silica quartz vehicle from 90% to 95%, a magnesia bonding agent from 5% to 10% and a phosphoric acid solution in a quantity sufficient to reduce the mixture to a moldable state.

2,152,153

THERMOCOUPLE

Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 22, 1935, Serial No. 51,142
6 Claims. (Cl. 136—5)



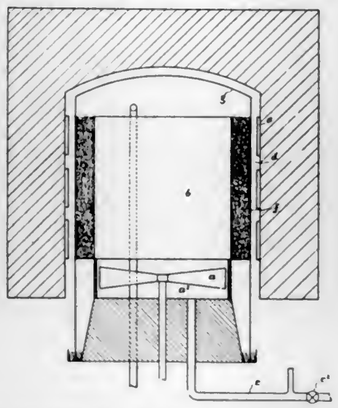
1. A thermocouple comprising an element of boron carbide (B_4C), an element of graphite, and means holding said elements together in intimate contact.

2,152,154

METHOD OF AND APPARATUS FOR THE HEAT TREATMENT OF METALS AND ALLOYS

Alfred Gordon Evans Robiette, Erdington, Birmingham, England, assignor to Birmingham Electric Furnaces Limited, Erdington, Birmingham, England, a British company

Application January 20, 1936, Serial No. 60,002
In Great Britain January 19, 1935
2 Claims. (Cl. 34—24)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



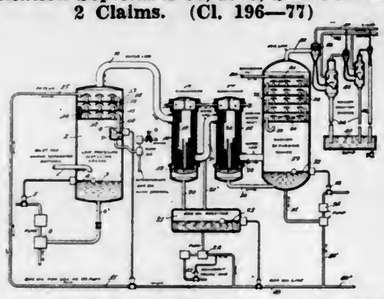
2. A process for the the cleaning and annealing of metals and alloys of metals comprising the step of treating said metals or alloys of metals with heated air which has been passed in contact with an oxidizable medium consisting of a metal or an alloy of metal of substantially the same constitution as the metal or alloy of metal undergoing treatment.

2,152,155

METHOD OF PROTECTING VACUUM-CREATING EQUIPMENT OF DISTILLING PLANTS

Robert L. Rude, Toronto, Ontario, Canada, assignor, by mesne assignments, to The British American Oil Company, Limited, Toronto, Ontario, Canada, a corporation of Canada

Application September 30, 1935, Serial No. 42,749
2 Claims. (Cl. 196—77)



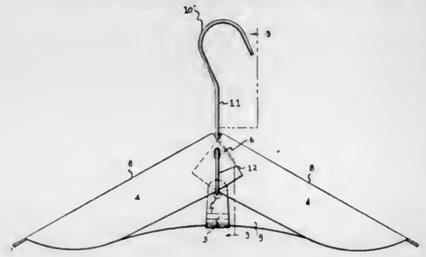
1. In the flash distillation of hot residuum from a mineral oil cracking operation, the process which comprises flashing hot residuum into a zone maintained at a pressure substantially below atmospheric, passing the gases and vapors produced in said flashing step through a plurality of pools of absorbent oil to condense a portion of the vapors, condensing a further portion of vapors to produce an intermediate condensate, passing the still uncondensed highly volatile vapors and gases from the intermediate condensation step through a plurality of superposed pools of an absorbent oil maintained at a temperature at which it has substantially zero vapor pressure under the conditions obtaining in the apparatus, utilizing the solution of vapors in said absorbent oil produced in the last condensation step, as a part of the cracking stock, utilizing the intermediate condensate as the absorbent oil for the first named condensation step, and conducting the stripped residual gases to a steam jet type of vacuum-creating equipment to maintain the system under a vacuum.

2,152,156

GARMENT HANGER

Harry M. Simmons and Henry C. Ruen, Detroit, Mich., assignors to Cleaners Hanger Company, Detroit, Mich., a corporation of Michigan

Application April 21, 1937, Serial No. 138,157
14 Claims. (Cl. 223—87)



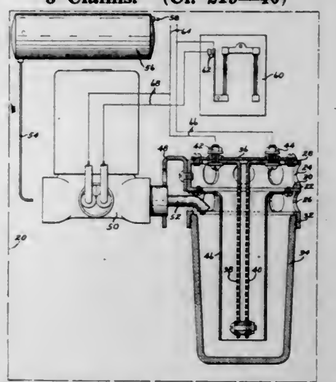
1. A garment hanger comprising a garment support providing a pair of garment seats, downwardly diverging from the mid portion to the ends of such support, and arched to form such seats and to form front and rear walls integrally connected by the seats, a tongue integrally projecting from one of said walls, and a hanger member secured to the support and rising therefrom, substantially between the seats, and establishing a tie connection between the other wall and said tongue.

2,152,157

REFRIGERATING APPARATUS

Edwin C. Sittler and Richard S. Gaugler, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 30, 1935, Serial No. 18,978
Renewed October 7, 1937
8 Claims. (Cl. 219—40)



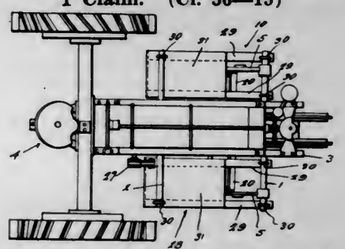
3. A vaporizing means including a plurality of insulated electrodes, liquid confining means for confining liquid to bring it into contact with the electrodes, means for continuously applying electric energy to said electrodes during normal operation of the vaporizing means, means for supplying a liquid to be vaporized to said liquid confining means, flow control means for controlling the flow of the liquid to said liquid confining means for controlling the vaporization of the liquid, and humidity responsive means for opening and closing said flow control means independently of the application of electric energy to said electrodes, said flow control means being both opened and closed in direct response to the operation of the humidity responsive means.

2,152,158

COTTON STALK CUTTER

Clarence Slater, Lewisville, Tex.

Application May 3, 1938, Serial No. 205,827
1 Claim. (Cl. 56—15)



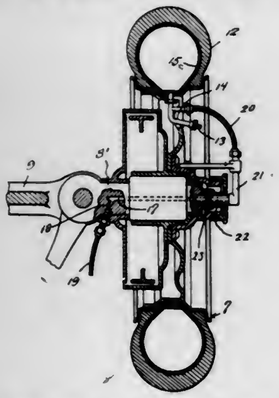
In combination with a tractor including a frame, a pair of bars mounted transversely beneath the frame at longitudinally spaced points, a pair of angular beams having one end connected to the front bar and extending rearwardly and downwardly therefrom, bars mounted on

the beams and providing, in conjunction therewith, a frame structure, a stationary knife mounted transversely on said frame structure, a plurality of rotary knives mounted on the frame structure and adapted for coaction with the stationary knife, shields for the knives, each shield including a pair of bars connected at spaced points to the first named bars and terminating in downwardly curved rear end portions, plates mounted on the last named bars, substantially V-shaped braces extending between said last named bars and the beams, and means for actuating the rotary blades.

2,152,159
TIRE PRESSURE INDICATING DEVICE

Emmet R. Smith, Sunray, Eldon J. Redd, Dalhart, and Oscar Leroy Smith, Sunray, Tex.

Application April 23, 1938, Serial No. 203,966
3 Claims. (Cl. 73—31)



1. In an automobile, the combination with an axle member, a supporting wheel mounted on said axle member and having a pneumatic tire, and an instrument board, said axle member having an axial passage opening at one end through the outer end of said axle member and at the other end through one side of the axle member inwardly of said wheel, of a pressure indicator carried by said instrument board, means establishing constant communication between the tire and the end of said axial passage at the outer end of said axle member, and means establishing constant communication between the other end of said axial passage and said indicator.

2,152,160
AQUEOUS WOOD PRESERVING LIQUID

Desider Steinherz, Great Neck, N. Y.

No Drawing. Application May 11, 1937, Serial No. 141,930
1 Claim. (Cl. 134—78.6)

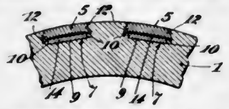
An aqueous wood preserving liquid, which contains more than 0.6% sodium silicofluoride and is stable at ordinary room temperature, consisting of sodium silicofluoride and at least about an equal amount of zinc chloride dissolved in water.

2,152,161
INLAID ARTICLE AND METHOD OF INLAYING

Milford Guy Sypher, Jersey City, N. J., assignor to Plastic Inlays, Inc., Summit, N. J., a corporation of New Jersey

Application June 23, 1938, Serial No. 215,341
16 Claims. (Cl. 41—35)

4. The method of ornamenting articles, which method comprises providing a recess in an article, placing a flat member in said recess, placing a substantially arcuate member on said flat

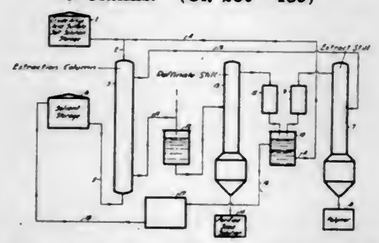


member, and increasing the width of said arcuate member by flattening it on said flat member to secure it in said recess.

2,152,162
PURIFICATION OF AQUEOUS SOLUTIONS OF ALIPHATIC ESTERS OF POLYBASIC INORGANIC ACIDS

Anton Johan Tulleners, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application December 12, 1936, Serial No. 115,563
In the Netherlands December 24, 1935
5 Claims. (Cl. 260—459)



1. A process of purifying polymer-containing aqueous solutions of salts of alkyl acid sulfates of at least eight carbon atoms per molecule which comprises subjecting said aqueous solution to countercurrent extraction with a hydro-carbon boiling below about 160° C. and containing a water soluble aliphatic alcohol, distilling the resulting extract phase to remove extracted polymer as bottoms, distilling the raffinate to take off overhead said hydrocarbon, said alcohol and water, mixing and stratifying the condensed distillates from both distillations, adding the resulting alcohol rich phase to polymer-containing aqueous alkyl acid sulfate salt solution to be purified and using the hydrocarbon phase as an extractant for the polymer in the resulting mixture.

2,152,163
PURIFICATION OF SALTS OF ALIPHATIC ACID ESTERS OF POLYBASIC INORGANIC ACIDS

Anton Johan Tulleners, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

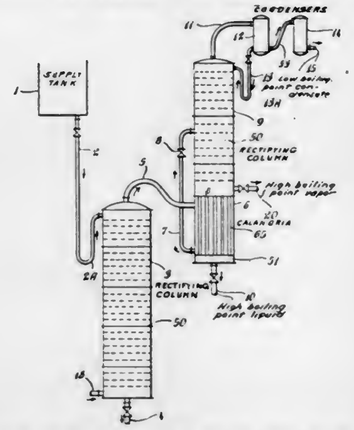
No Drawing. Application September 27, 1937, Serial No. 165,903. In the Netherlands October 10, 1936
9 Claims. (Cl. 260—459)

1. A process for purifying an impure salt of an aliphatic acid ester of a polybasic inorganic acid which salt contains at least six carbon atoms per molecule and is contaminated with an inorganic salt impurity which comprises contacting the impure salt with an oxygenated organic solvent having at least six carbon atoms in the molecule which is a non-emulsifying solvent for the acid ester salt and effecting a separation of the contacted mixture into a phase containing inorganic salt impurity and a phase containing said salt of an acid ester of a polybasic inorganic acid in said oxygenated organic solvent.

2,152,164
DISTILLATION PROCESS

Theodore O. Wentworth, Cincinnati, Ohio

Application May 13, 1935, Serial No. 21,186
13 Claims. (Cl. 202—73)

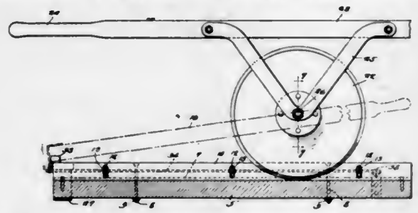


1. The process of separating two volatile liquids from a mixture thereof which comprises feeding the liquid mixture into the top of an exhausting column operating at a relatively high pressure, passing the vapors into a heating section at the base of a second distilling column operating at a lower pressure where said vapors condense, passing said condensate into a mid-section of said lower pressure distilling column, withdrawing the less volatile liquid substantially free of the more volatile liquid continuously from the lowest sections of both said higher pressure column and said lower pressure column, and withdrawing the excess vapors of the less volatile liquid, not required for the rectifying action in the said lower pressure column from the base of said lower pressure column for external use as a heating or power medium.

2,152,165
SHEET METAL APPARATUS

Tom Wilson, Lake Village, Ark.

Application December 23, 1937, Serial No. 181,431
3 Claims. (Cl. 164—55)

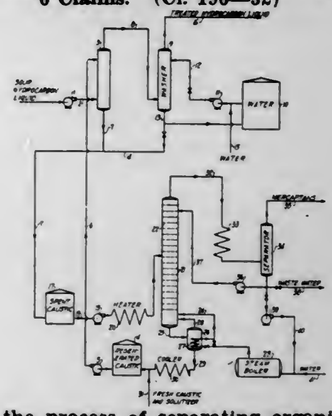


1. A device of the class described, comprising a base, parallel guide bars having beveled lower surfaces, mounted on the base, said guide bars being spaced apart providing a longitudinal guideway through which a cutting blade is moved in cutting a length of sheet metal placed on the guide bars, metallic strips secured to the adjacent faces of the guide bars, the lower edges of the metallic strips resting on the base and providing a support for the inner edges of the guide bars whereby the guide bars may be adjusted vertically regulating the width of the space between the guide bars, and means for clamping an article to the guide bars while the article is being cut by a cutting member moved through the space between the guide bars.

2,152,166
PROCESS OF SEPARATING MERCAPTANS CONTAINED IN A HYDROCARBON DISTILLATE

David Louis Yabroff, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 28, 1936, Serial No. 102,893
6 Claims. (Cl. 196—32)

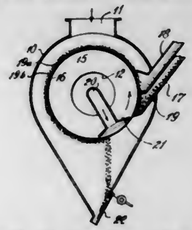


1. In the process of separating organic acid-reacting substances contained in a water-insoluble neutral or basic organic liquid, the steps comprising treating said liquid with an aqueous solution of a strongly alkaline base in an amount sufficient to absorb a major portion of said acid-reacting substances, said solution containing a substantial amount of a butylene glycol and from 15 to 50% water, under conditions to form two liquid layers, one comprising the aqueous alkaline solution containing acid-reacting substances, and the other consisting essentially of the treated organic liquid, and separating the layers.

2,152,167
METHOD OF TREATING PULVERULENT MATERIAL

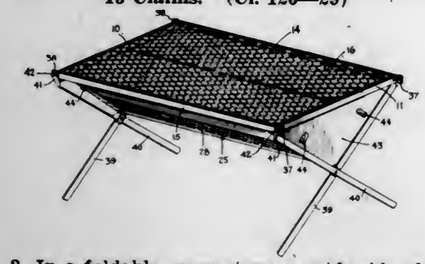
Nikolai Ahlmann, Copenhagen, Denmark, assignor to F. L. Smidth & Company, New York, N. Y., a corporation of New Jersey

Application June 5, 1937, Serial No. 146,547
In Great Britain June 12, 1936
8 Claims. (Cl. 34—24)



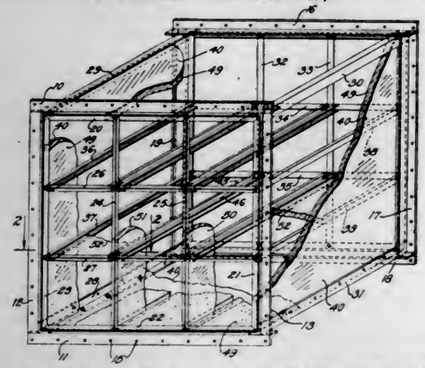
7. A method of treating finely divided material which comprises forming two layers of the material upon a gas-permeable support with the layer in contact with the support formed of larger particles than those in the layer remote from the support, the layer of larger particles being thicker than the layer of smaller particles, and passing treating gas through the layers and then through the support.

2,152,168
CAMP STOVE
Leonard H. Anderson and Leonard J. Anderson, Bridgeport, Conn.
Application August 25, 1938, Serial No. 226,642
13 Claims. (Cl. 126—29)



2. In a foldable camp stove, a grid; side plates pivoted at opposite sides of the grid and movable into a position to form a firebox disposed beneath the grid; end walls pivotally mounted at opposite ends of the grid and movable to complete the firebox; and lugs formed on the end walls for engaging the side walls and limiting the pivotal movement thereof whereby a trough-shape firebox is formed.

2,152,169
SOUND ABSORBING UNIT
Saul Carl Appel, Medford, Mass.
Application January 8, 1938, Serial No. 184,006
8 Claims. (Cl. 181—46)



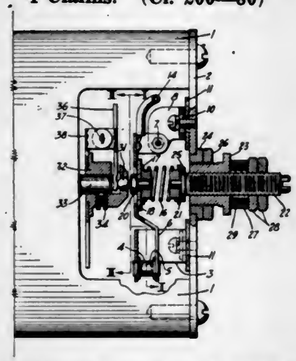
1. A sound absorbing unit which comprises front and rear frames formed of angle irons, a plurality of channel irons interconnecting said frames, a sheathing disposed around said frames, sound absorbing walls secured to the inner surface of said sheathing and enclosing a plurality of cells formed by vertical and horizontal walls of sound absorbing material supported by said channel irons, each cell having at least two walls in common with other cells.

2,152,170
METHOD OF PREPARING ICING
John Areiter, Lynbrook, N. Y.
Application May 5, 1937, Serial No. 140,801
5 Claims. (Cl. 99—139)



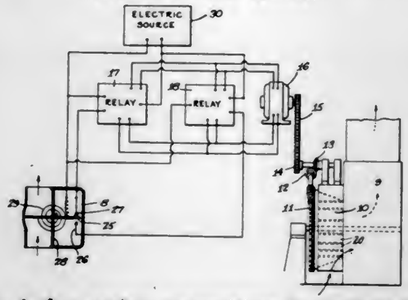
4. The process of preparing a stable, ready-to-use, non-hardening food composition for decorative and like purposes, consisting of subjecting to sudden, hard boiling, without otherwise agitating, a mixture of sugar, salt, citric acid and water, in an open vessel, removing the foam rising to the surface until the mixture becomes clear and the formation of foam stops, adding syrup, a water-mixed, hot vegetable coloring and a hot, sterile emulsified vegetable oil, covering the vessel and boiling the mixture under pressure at between 226° to 227° F., permitting the composition to cool and age for about 24 hours, adding flavoring to the aged composition and creaming it to a smooth, uniform consistency, while cold, placing the creamed composition into containers and hermetically sealing them.

2,152,171
GOVERNOR
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application May 4, 1935, Serial No. 19,901
4 Claims. (Cl. 200—80)



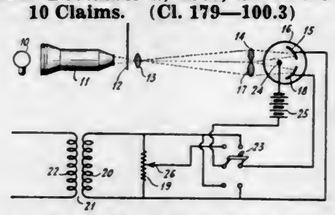
1. In a governor comprising a rotatable member; means for controlling the speed of rotation thereof comprising electrical circuit controlling means, means responsive to variations in the speed of said member for operating said circuit controlling means, and adjustable means for frictionally resisting operation of said circuit controlling means.

2,152,172
FAN SYSTEM
Amos C. Bartlett, Braintree, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application May 23, 1936, Serial No. 81,455
3 Claims. (Cl. 98—50)



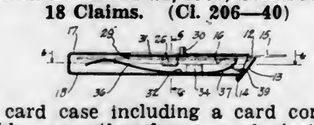
1. A fan system comprising in combination, means forming a ventilating passage, a fan connected to said passage, a plurality of spin inducing vanes in the inlet to said fan, means for adjusting said vanes for varying the total volume of air moved by said fan, and means responsive to changes in the volume of the air moving through said passage for adjusting said last mentioned means to maintain a constant air volume moved through said passage and delivered by said fan.

2,152,173
SOUND REPRODUCING APPARATUS
Herbert Belar, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 2, 1935, Serial No. 52,458
10 Claims. (Cl. 179—100.3)



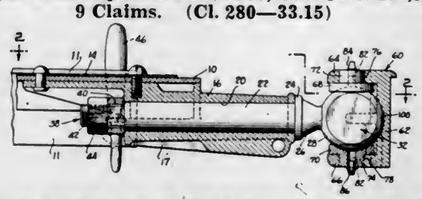
1. A sound reproducer including a plurality of light responsive elements, an amplifier circuit, and means operable to connect said elements to said circuit either in push-pull or parallel relation with one another.

2,152,174
CARD CASE
Joseph Brunetti, Carlstadt, N. J.
Application December 21, 1937, Serial No. 180,943
18 Claims. (Cl. 206—40)



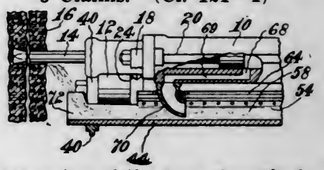
1. A card case including a card container, a swingable cover therefor, a card ejector in the container, spring means for maintaining a pack of cards in engagement with the ejector, the cover coacting with the ejector so that a card that is being ejected presses against and causes opening movement of the cover, and means releasably engaging the cover with the spring means whereby said spring means tends to keep the cover closed, with the cover being fully openable without restriction by the spring means for reloading the container.

2,152,175
COUPLING DEVICE
Miles H. Carpenter, York, Pa.
Application September 19, 1936, Serial No. 101,536
9 Claims. (Cl. 280—33.15)



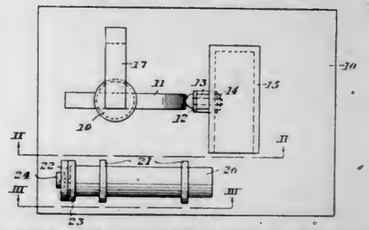
1. A socket for a draw-bar head generally spherical but having one diameter reduced, comprising a vertical base plate, a pair of rearwardly extending flanges thereon, co-axial bores in said flanges, and a pair of concave cups having flat backs with reduced extensions thereon opposite their concavities seated flat against the inner faces of said flanges with their extensions fitting in said bores.

2,152,176
FOG ELIMINATING APPARATUS FOR ROCK DRILLS
Ernest H. Dickenson, New York, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application September 2, 1938, Serial No. 228,141
5 Claims. (Cl. 121—1)



1. In apparatus of the type described, a pneumatically operated rock drill having an exhaust passage and an exhaust conducting nozzle associated therewith, guide means for said rock drill to permit axial movement of said drill, an exhaust receiving member extending lengthwise of said guide means and stationary with respect thereto, adapted to receive said nozzle and having an opening to atmosphere adjacent the forward end of the guide means, and sealing means on said receiving member and about said nozzle to concentrate the inflow of air to said opening and said nozzle.

2,152,177
SOUND-WAVE GENERATOR
William J. Eisenbeis and Charles O. Williamson, Pittsburgh, Pa.
Application April 27, 1937, Serial No. 139,254
4 Claims. (Cl. 84—454)

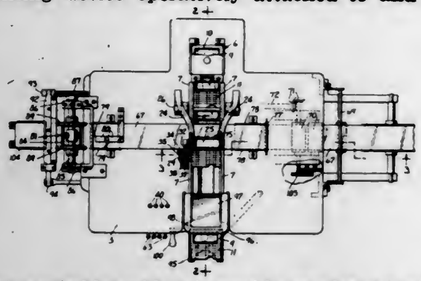


1. In a sound-generating system, the combination with a resonator tube open at one end, a diaphragm closing the other end of the tube, a microphone connected to said diaphragm, and means mounting said tube effective to prevent the transmission of vibrations thereto through media other than the atmosphere.

2,152,178
LABEL PRINTER
Harmon P. Elliott, Watertown, Mass., assignor to the Elliott Addressing Machine Company, a corporation of Massachusetts
Application July 17, 1937, Serial No. 154,155
14 Claims. (Cl. 101—48)

1. In a label printing and addressing apparatus comprising a plurality of address-bearing stencils, a reciprocable member adapted for pressing ink through successive stencils, means for feeding such stencils successively through the printing zone of such apparatus, means for feeding a web of paper also through said printing zone and apparatus for cutting it into a series of sections each

bearing a stencilled imprint, a supplemental printing device operatively attached to and in



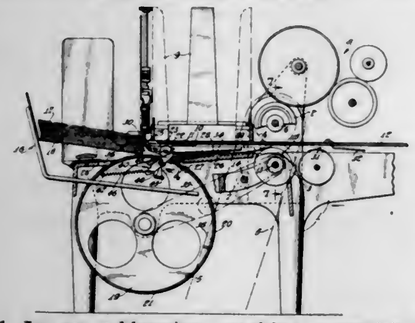
part carried by said reciprocable member adapted for also printing one or another of a series of selected marks on each such label section.

2,152,179

ADDRESSING MACHINE

Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts

Application August 26, 1937, Serial No. 160,985
8 Claims. (Cl. 271—51)



1. In an addressing machine comprising a combined card gripping, printing and forwarding mechanism together with a rotating drum and cooperating superposed pressure roller located at the proper distance from said mechanism and adapted to feed the forward end of a card of a predetermined length toward, and part way into, the gripping zone thereof, supplemental feeding means for advancing a shorter card an additional distance toward said printing mechanism sufficient to also project its forward end into such gripping zone, which said supplemental means comprises a device provided with means for clamping it to the inner surface of the periphery of said drum and adapted to engage the rear edge of any such card and to continue such engagement along a portion of said card's path extending beyond the zone of cooperation between said drum and pressure roller.

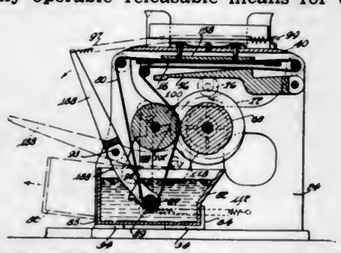
2,152,180

AUTOMATIC STENCIL MOISTENER

Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts

Application November 9, 1937, Serial No. 173,645
2 Claims. (Cl. 91—54)

1. In an apparatus for moistening stencil blanks, comprising an endless belt and means for guiding it through a blank-moistening zone, the combination of a movable water tank, a frame pivoted to swing in a substantially vertical plane with its lower end carrying belt tightening means and immersed in said tank when both are in normal positions, a spring having a strength graduated to produce a predetermined tension in said belt operatively connected to said frame, and manually operable releasable means for clamp-



ing said frame in the position assumed whenever such spring-produced tension has been applied to said belt; whereby when said clamping means has been released to permit a swinging of said frame so as to allow removal of said tank, the belt tightening mechanism will return automatically to normal position when released ready to be again clamped in such position.

2,152,181

TOE IRON

Theodore Elliott, Winchester, Mass.

Application June 10, 1938, Serial No. 212,923
5 Claims. (Cl. 280—11.35)



1. A toe iron comprising a base plate having oppositely disposed flanges, a pair of side plates having horizontal portions positioned on said base plate and between said flanges, means on said base plate and on said horizontal portions for adjustable engagement therebetween, and a cover plate comprising two parts, one part overlying the horizontal portion of one side plate, the other part overlying the horizontal portion of the other side plate and means for binding said base plate, horizontal portions and cover plates against a ski, whereby one of said cover plates may be removed to permit individual adjustment of one side plate without disturbing said other side plate.

2,152,182

MANUFACTURE AND TREATMENT OF TEXTILE MATERIALS

George Holland Ellis and Alexander James Wesson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 18, 1937, Serial No. 131,672. In Great Britain April 1, 1936
5 Claims. (Cl. 8—95)

1. Process for the incorporation of insoluble metal compounds in artificial filaments, threads, yarns, fabrics and other textile materials having a basis of organic derivatives of cellulose, which

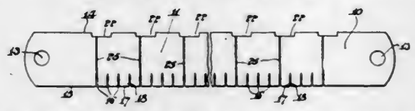
comprises treating the materials first with a soluble salt of barium, then with sodium carbonate and finally with an aluminium sulphate.

2,152,183

POWER HACKSAW BLADE

Layton R. Fetterolf, Langhorne, Pa.

Application June 18, 1937, Serial No. 148,831
11 Claims. (Cl. 29—106)



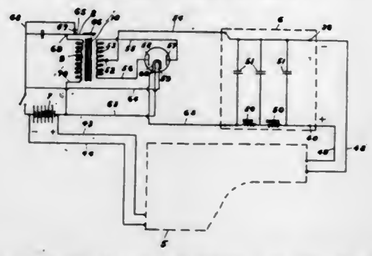
2. A hacksaw blade having teeth on one edge thereof, and having cutaway portions on the opposite edge thereof, and grooves on the side faces of the blade extending from said cutaway portions to said teeth.

2,152,184

POTENTIAL SUPPLY MEANS FOR RADIO APPARATUS

Belgrave F. Gostin and Charles E. Neale, Cincinnati, Ohio, assignors, by direct and mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 23, 1931, Serial No. 564,544
6 Claims. (Cl. 250—27)



2. A device of the character described having, in combination, a source of direct current of relatively low potential, a transformer having primary and secondary windings, connections between said source and said primary winding including an interposed circuit interrupting device, a rectifier valve connected with said secondary winding and including a heater element connected directly with said source and independently of said secondary winding, and output leads from said valve and said secondary winding.

2,152,185

PROCESS FOR SULPHURIZING ORGANIC COMPOUNDS HAVING UNSATURATED LINKAGES OF AN ALIPHATIC CHARACTER

Edward Gottesmann, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to Karl Werner Posnansky, Berlin-Charlottenburg, Germany

No Drawing. Application March 22, 1935. Serial No. 12,518. In Germany March 26, 1934
12 Claims. (Cl. 106—23)

1. A process for sulphurizing an organic unsaturated fatty oil which comprises adding hydrogen sulphide and sulphur to said fatty oil and causing them to react simultaneously with said fatty oil at an elevated temperature.

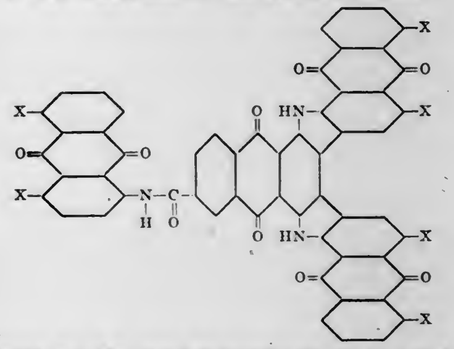
2,152,186

DYESTUFFS OF THE ANTHRAQUINONE SERIES

Donald P. Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 25, 1938, Serial No. 215,874
2 Claims. (Cl. 260—316)

1. The compounds of the general formula:



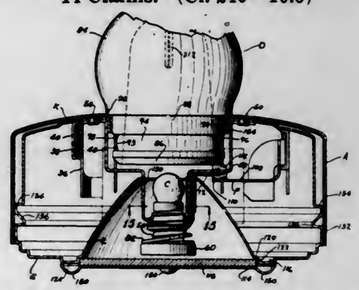
where the X's stand for hydrogen or an aroylamino radical of the enzene series.

2,152,187

FLASHLIGHT

Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application October 25, 1935, Serial No. 46,721
14 Claims. (Cl. 240—10.6)



1. A flashlight comprising a casing; a globe mounted upon said casing and protruding therefrom; a reflector mounted within said casing directly adjacent the inner end of said globe; and a lamp bulb mounted within said casing in illuminating relation with both said globe and said reflector, the reflecting surface of said reflector being disposed to direct light from said lamp bulb away from said globe.

2,152,188

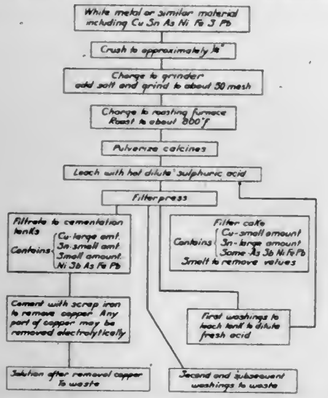
PROCESS FOR TREATING MATERIAL CONTAINING COPPER AND TIN

Max F. W. Heberlein, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application February 10, 1938, Serial No. 189,771
3 Claims. (Cl. 75—63)

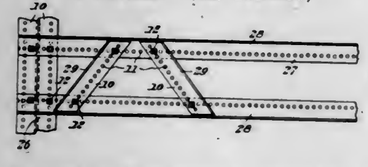
1. A process of the kind described which comprises taking a material containing about 10 to 50% copper and about 20 to 60% tin including

intermetallic compounds, mixing salt with the material and roasting the mixed material at a



temperature of the order of 800 to 900° F. to convert copper and tin into oxides.

2,152,189
STEEL CONSTRUCTION
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application April 23, 1936, Serial No. 75,984
2 Claims. (Cl. 189—37)



2. A metal building member comprising spaced chord members and connecting web members, each of said members being composed of an angle bar having holes uniformly spaced along a center line parallel to an edge thereof, the distance between said center line and an edge of said angles being an integral multiple of the center-to-center spacing between said holes.

2,152,190
COMPOSITE BLOCK
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application May 28, 1936, Serial No. 82,227
1 Claim. (Cl. 72—37)

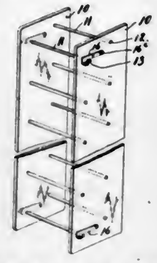


A load-bearing insulating block having a cellular core of expanded material composed at least in part of Portland cement having cellular outer surfaces and forming an insulating medium, and a dense non-cellular veneer also composed at least in part of Portland cement forming a load-bearing medium, said veneer being bonded to the outer surfaces of the core and interlocked with the outer cells of the core, whereby an intimate bond is formed between the core and the veneer.

2,152,191
PREPARATION OF DI(ARYLAMINO) ANTHRAQUINONES
Wilbert A. Herrett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 28, 1936, Serial No. 108,093
17 Claims. (Cl. 260—378)

1. In the method for the preparation of a di(arylamino) anthraquinone in which a quinizarine compound selected from the group consisting of quinizarine and leuco quinizarine is condensed with an arylamine to form a leuco di(arylamino) anthraquinone and the leuco di-arylamino) anthraquinone is oxdized to the di(arylamino) anthraquinone, the improvement which comprises condensing the quinizarine compound with the arylamine in the presence of an acetic acid condensing agent and monochlorbenzene, and subjecting the reaction mass to the oxidizing action of an aromatic nitro compound.

2,152,192
ASSEMBLABLE SUPPORT FOR ARTICLES
Herbert E. Hoffman, Brooklyn, N. Y.
Application December 4, 1937, Serial No. 178,012
1 Claim. (Cl. 211—34)



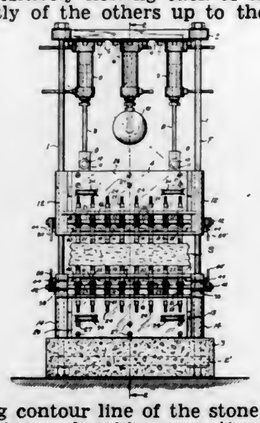
In a collapsible and assemblable supporting device a pair of side members serving as standards and formed with sets of openings displaced vertically relative to one another, cross members capable of engaging said sets of openings and adapted to extend in staggered formation, each cross member of one set and a corresponding cross member of another set together serving to support a plurality of articles in a downwardly slanting position, at least two of said cross members have slits near their ends and catches provided on each side plate to engage said slits of said cross members and to secure the parts in assembled position

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2,152,193
STONE CUTTING MACHINE
Paul M. Johanning, Milwaukee, Wis.
Application June 17, 1938, Serial No. 214,230
7 Claims. (Cl. 125—23)

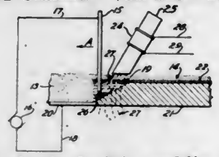
1. In a machine for breaking or dividing stone slabs, the combination of a frame, a stationary cross-head in operative connection with said frame, a reciprocable cross-head slidably connected to said frame, combined means in operative connection with the machine for reciprocating said reciprocable cross-head and for urging the same under pressure toward the stationary cross-head, a row of chisels operatively and reciprocably associated arranged and connected in opposed and aligned stone cutting relation in each of said cross-heads, means for urging each of said chisels independently of the others up to the desired cutting contour line of the stone slab

to be cut, provisions operatively associated arranged and connected with each of said crossheads for positively holding each of said chisels independently of the others up to the said de-



sired cutting contour line of the stone slab during the cutting or breaking operation, and provisions operatively associated and arranged with respect to the machine for delivering a percussion impact upon the reciprocable cross-head.

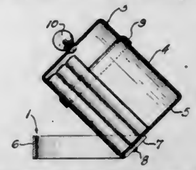
2,152,194
ELECTRIC WELDING
Lloyd T. Jones, Berkeley, Calif., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
Application April 17, 1936, Serial No. 74,849
11 Claims. (Cl. 219—10)



1. A method of electric welding which comprises providing an unbonded granular non-metallic material of high electrical resistance and having a negative temperature coefficient of resistance in full contact with all the surfaces to be united by welding; inserting an electrode into said material; passing, from said electrode through said material to said surfaces, an electric current of sufficient magnitude to melt progressively the portion of the electrode in said material and to heat and melt progressively a definite quantity of said material; and applying a magnetic field to such molten material in such a manner that the lines of flux of said magnetic field intersect the lines of flow of current in said molten material thereby to displace laterally said lines of flow of current to increase the lateral penetration of the welding heat in said surfaces and consequently to decrease the vertical penetration of the heat therein.

2,152,195
CIGARETTE HOLDER
Ralph N. Kircher, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application February 14, 1936, Serial No. 63,881
3 Claims. (Cl. 206—1)

1. In a device of the character described, a shell-like holder having a cylindrical body, a closed lower end and an open upper end, and a base including a horizontally disposed metal strip adapted to rest on its edges on a suitable

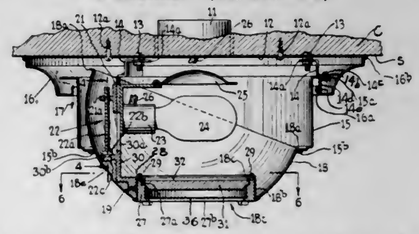


support and having inclined ends abutting and rigidly fastened to the bottom of the body to secure the same in an inclined position.

2,152,196
MOTOR FUEL AND METHOD OF MAKING THE SAME
Vaman R. Kokatnur, New York, N. Y., assignor to Autoxygen Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 1, 1935, Serial No. 43,058. Renewed August 27, 1938
12 Claims. (Cl. 44—9)

1. A volatile fuel for internal combustion engines, comprising as its principal element a hydrocarbon liquid boiling within the gasoline range having intimately combined therewith, at least 10% of water, with water in the interior phase, the particle sizes of said water containing fuel being in the order of 1 to 3 microns.

2,152,197
LIGHTING FIXTURE CONSTRUCTION
Joseph Levy, New York, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application November 26, 1937, Serial No. 176,451
6 Claims. (Cl. 240—78)

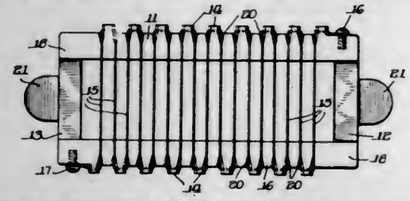


1. In a lighting fixture construction of the character described the combination of an electric light source with a casing comprising a housing portion, a base baffle extending about said housing portion to provide a ventilating passage communicating the interior of the housing with the exterior of the fixture, both housing and baffle being adapted to be rigidly mounted to a support, a hemi-spherical shell portion for supporting said light source mounted for universal movement on the housing and forming a closure for the casing, said shell portion having an opening, the rim portions of said opening being located at unequal distances from the plane of the perimeter of the shell portion.

2,152,198
BUTTER SLICER
Albert Lowenfels, White Plains, N. Y.
Application July 31, 1935, Serial No. 34,093
1 Claim. (Cl. 30—117)

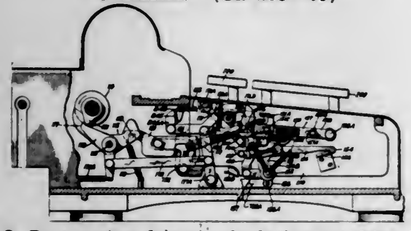
A butter slicer comprising a frame having oppositely disposed spaced apart side members and

spaced apart end members connecting the side members at the ends thereof, the bottom surfaces of each of said side members comprising an inner relatively horizontal portion and an outer tapered portion inclining upwardly and outwardly from the inner portion, said outer portion being grooved with transversely extending grooves terminating at the inner portion, projections arranged on the outer side of each of said side members, there being spaces between the projections, the sides of the projections being in substantial alignment



with said grooves and the projections on one of the side members being alternately disposed with respect to the projections on the other side member whereby the projections on one side member are aligned with the spaces between the projections on the other side member, a single continuous wire arranged alternately around the projections on the side members and within said grooves whereby said wire provides spaced parallel cutters extending across the frame, and means for anchoring the ends of the wire to the frame.

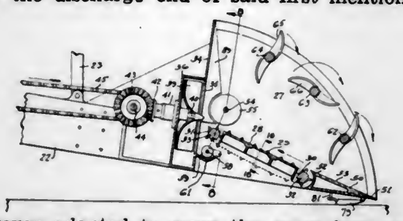
2,152,199
CALCULATING MACHINE
Anthony B. Machado, Alameda, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application January 23, 1933, Serial No. 653,085
Renewed May 29, 1937
6 Claims. (Cl. 235—79)



2. In a motor driven calculating machine having cyclically operable actuating mechanism and a controllable transmission between said mechanism and the motor; the combination of means including a spring-urged member movable to control said transmission to cause connection of said motor with said actuating mechanism, means for restraining said member against such movement, means driven by said motor for returning said member into engagement with said restraining means, and an operation controlling element for concurrently tripping said restraining means and rendering said returning means ineffective.

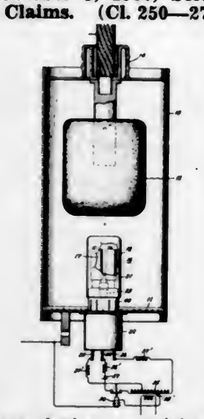
2,152,200
SNOW PLOW
Joseph E. McCulley, Scappoose, Oreg.
Application October 23, 1937, Serial No. 170,612
3 Claims. (Cl. 37—43)

1. A snow plow having a plurality of revolvable cutting elements on its snow engaging side in combination with a conveyor disposed beneath said cutting elements, a pair of exhaust fans having their intakes at the discharge end of said conveyor, a transverse screw conveyor mounted over the discharge end of said first mentioned



conveyor adapted to move the snow from said first mentioned inlets, a second screw conveyor disposed below the discharge of said first mentioned conveyor also adapted to move snow toward the inlets of said fans.

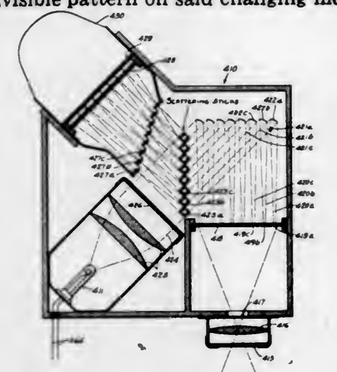
2,152,201
DISCHARGE DEVICE
Lawrence D. Miles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 9, 1937, Serial No. 168,197
9 Claims. (Cl. 250—27.5)



1. A discharge device comprising an anode and a pool-type cathode having a discharge space therebetween and means for facilitating the initiation of a discharge through said space upon the application of a favorable difference of potential between said anode and cathode, said means comprising one or more keep-alive electrodes effective to maintain a continuous holding arc to the cathode surface throughout the normal operation of the device and a shielding member extending from a point below the cathode surface to and around the keep-alive electrode, said shielding member substantially completely enclosing the keep-alive electrode except for the provision of one or more narrow slots in the member at the cathode surface, such slots extending in a generally normal direction with respect to the cathode surface.

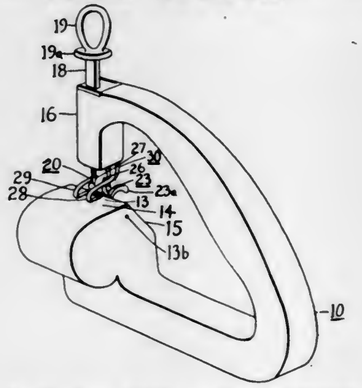
2,152,202
INVISIBLE LIGHT FINDER
Herman Potts Miller, Jr., Harrisburg, Pa.
Original application September 12, 1931, Serial No. 562,590. Divided and this application January 27, 1936, Serial No. 60,988
32 Claims. (Cl. 250—1)

1. In a system for viewing an invisible wave pattern, a local wave source, means for changing the length of at least a portion of the waves from said source, means for directing the waves from said invisible pattern on said changing means for



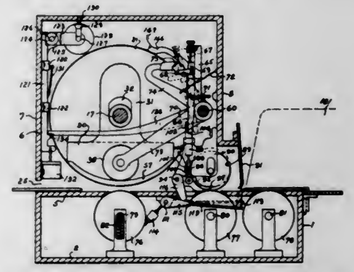
intensifying at least a portion of said waves of changed length, and means separating said waves of changed length from said local waves for observing said intensified waves in accordance with said pattern of said invisible waves.

2,152,203
HAND SEWING MACHINE
Thomas E. Monroe, Atlanta, Ga.
Application March 12, 1935, Serial No. 10,665
8 Claims. (Cl. 112—169)



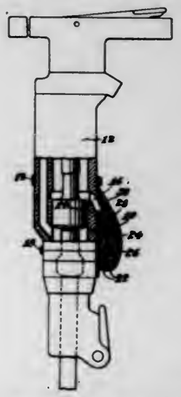
1. A fit-in-hand sewing machine comprising a support, said support having opposite ends in vertical alignment with each other, a circular housing in the lower of said ends, a needle-receiving hole disposed above and to one side of said housing, a passageway for thread communicating with said hole and housing, a second passageway communicating with said hole; an aperture in the upper of said ends, a plunger slideably mounted in said aperture, said plunger having a circular ring on the upper end thereof, a needle having a hook near one end disposed at the opposite end of said plunger, an inverted U-shaped member slideably mounted with said needle so as to register with said hook and form an eye when in its lower-most position, a primary foot in frictional engagement with said plunger, a flat spring holding said foot in such engagement, and an auxiliary foot interlaced with said primary foot and slideably mounted on the side of said upper end of said support.

2,152,204
POSTAGE METER
Montague Moore, Burnaby, British Columbia, Canada
Application August 11, 1937, Serial No. 158,527
16 Claims. (Cl. 101—91)



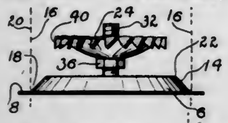
16. In a postage meter, a bed plate, a feed roller, a disc upon a shaft parallel to the feed roll, means for imparting continuous rotation to the disc, a printing head slidably mounted upon the disc, an arcuate rim on the periphery of the printing head, a postage stamp upon the printing head, a bell crank adapted to engage the arcuate rim, a cam upon the shaft rotatable with the disc, said cam being mounted upon the same axis as the disc, and a rock shaft parallel to the disc shaft having an arm for engaging the cam, and means for engaging the bell crank to move the printing head radially of the disc to dispose the postage stamp into printing position as a letter enters between said disc and feed roll.

2,152,205
MUFFLER
William A. Morrison, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 18, 1937, Serial No. 131,592
1 Claim. (Cl. 181—50)



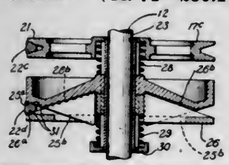
An exhaust muffler for fluid pressure operated machines, comprising a casing of resilient material, a wall on the casing shaped to conform with the contour of the machine and having an opening at one end adapted to overlie the exhaust outlet of the machine, an expansion chamber in the casing, an exit passageway from the chamber located at the other end of the casing, baffling means in the chamber overlying the exit passageway, and straps on the casing to attach the casing to the machine.

2,152,206
FUEL AND AIR MIXER
James O. Neal, Bremerton, Wash.
Application June 24, 1936, Serial No. 87,070
3 Claims. (Cl. 48—180)



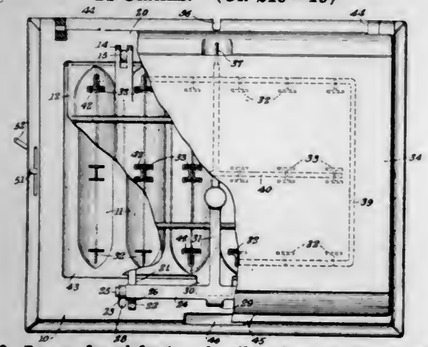
1. A fuel mixing device comprising an atomizing cup having the edge portion thereof formed into vanes disposed angularly in relation to said cup and having passages therebetween whereby the mixture passing through said passages will follow a whirling course.

2,152,207
VARIABLE SPEED REDUCER
Joseph Needham, Passaic, N. J.
Application April 16, 1936, Serial No. 74,730
6 Claims. (Cl. 74—230.17)



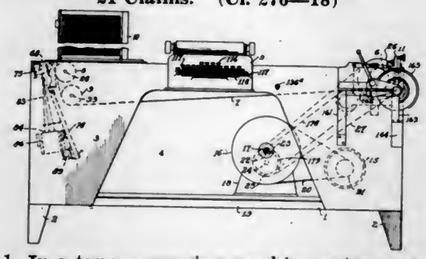
3. A variable speed belt drive unit of the character described, said unit comprising a sleeve adapted for free rotary movement on a supporting shaft, a pulley secured to one end of said sleeve, a cone comprising relatively movable discs slidably mounted on and keyed to the other end portion of said sleeve, means at said last named end of the sleeve for retaining the cone discs against displacement from said sleeve, tensional means for independently moving each of said discs to maintain the same in tensional engagement with the belt arranged therebetween, adjacent surfaces of the discs of said cone being beveled and provided with circumferentially spaced ribs, the ribs of one disc intermeshing with the ribs of the opposed disc for keying said discs together, and one of said discs being cut out to receive the ribs of the opposed disc to provide a compact arrangement of said discs one upon the other.

2,152,208
FRANKFURTER BROILER
Stewart Nelson, New York, N. Y.
Application March 23, 1937, Serial No. 132,526
14 Claims. (Cl. 219—19)



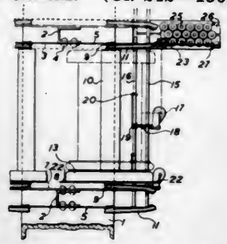
9. In a frankfurter broiler two permanently spaced electrodes, each adapted to enter and contact the meat of a frankfurter, the piercing ends of said electrodes being formed with chisel-shaped beveled portions adapted to compress the adjacent meat of said frankfurter; said beveled portions being on opposed portions of said spaced electrodes.

2,152,209
TYPE COMPOSING MACHINE
Frank H. Poeppelmeier, Dayton, Ohio, assignor to Dayton Type, Incorporated, a corporation of Delaware
Application April 12, 1937, Serial No. 136,244
21 Claims. (Cl. 276—18)



1. In a type composing machine, a type magazine, an ejector, a wide belt passing below the magazine to receive the type discharged therefrom and to conduct it to the ejector, and means for discharging type feet first from the magazine upon the belt for carriage by the latter to the ejector.

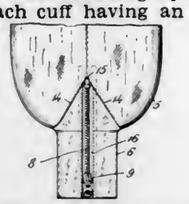
2,152,210
YARN CREEL AND OTHER APPARATUS
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application April 15, 1937, Serial No. 137,037
In Great Britain May 6, 1936
9 Claims. (Cl. 242—156)



1. A mounting for a bobbin or like package comprising a vertical spindle adapted to receive the package, bearings adapted to receive the ends of said spindle, a member rotatable with said spindle, a thread guide, and carrying means adapted to permit said guide to be traversed lengthwise of the package by the thread during unwinding, said guide being adapted to move, when the thread fails to support it, into contact with said member, thereby stopping the rotation of said member and the package.

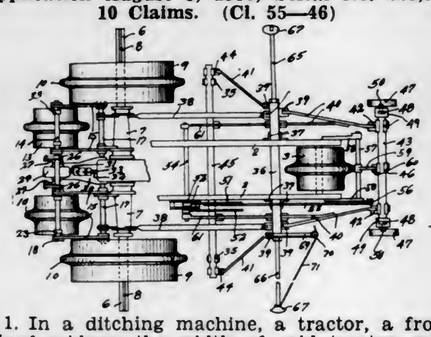
2,152,211
GARMENT
Bertrand Rabbiner, Brooklyn, N. Y., assignor to Aero-Bocker Knitting Mills, Inc., New York, N. Y., a corporation of New York
Application April 29, 1938, Serial No. 204,985
3 Claims. (Cl. 2—228)

1. A garment having legs each provided with a cuff at its bottom of narrower width than the leg, the lower edge of each leg proper having at least one recess extending upwardly from its lower edge, each cuff having an extension pro-



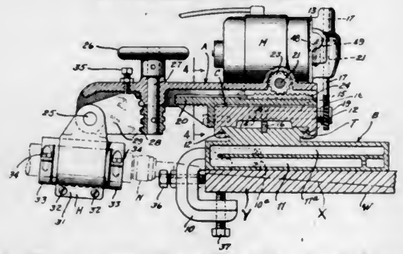
jecting upwardly into the recess of the leg to which it is attached and having an opening extending upwardly from its lower edge into but not beyond its said extension, and fasteners affording closures for the opening in the cuffs.

2,152,212
DITCHER AND PACKER MACHINE
Bernard C. Reinkens, Pasco, Wash.
Application August 8, 1938, Serial No. 223,664
10 Claims. (Cl. 55—46)



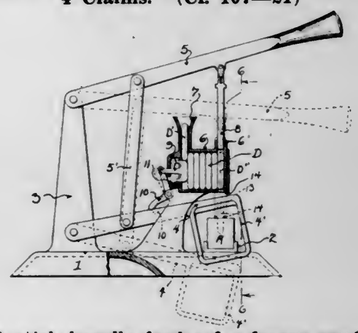
1. In a ditching machine, a tractor, a front wheel midway the width of said tractor, rear wheels at opposite sides of said tractor shiftable laterally of the tractor to space them predetermined distances from the longitudinal center of the tractor, rear rollers at the back of the tractor disposed between the rear wheels and spaced from the rear wheels and each other transversely of the tractor, the wheels and rollers having circumferential ribs for forming trenches in the ground as the tractor moves across a field, and means carried by the tractor for breaking up the ground in front of the wheels and rollers.

2,152,213
METAL SCARFING MACHINE AND PROCESS
Walter B. Rowland, Upper Montclair, and Walter R. Linden, Palisades Park, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 30, 1932, Serial No. 626,864
Renewed August 20, 1936
15 Claims. (Cl. 148—9)



1. The process of scarfing the edge of a metal plate or the like, which consists in directing gaseous heating and oxidizing jets against said edge along a plane extending from said edge diagonally through said plate and emerging in one face of said plate back from said edge; and, during the application of such heating and oxidizing jets, cooling the other face of said plate adjacent said edge.

2,152,214
MACHINE FOR APPLYING STICK HANDLES TO FROZEN CONFECTION BLOCKS
Hans Sattler, Sheboygan, Wis.
Application October 17, 1938, Serial No. 235,351
4 Claims. (Cl. 107—21)



1. A stick handle feeder for frozen confection blocks comprising a magazine having a discharge throat, means for discharging sticks from the throat, a reciprocative guide shoe forming a wall of the magazine throat portion, a foot extending from the bottom of the shoe having a stick-receiving guide mouth, and means for feeding the stick and shoe to a face of the block followed by a further travel of said stick to pierce the block.

2,152,215
WITHDRAWN

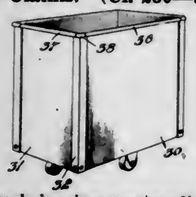
2,152,216
FLASHING SWITCH
Albert B. Scott, Los Angeles, Calif., assignor to S. C. K. Corporation, Los Angeles, Calif., a corporation of Nevada
Application September 21, 1936, Serial No. 101,731
4 Claims. (Cl. 200—90)



1. In a switch for a flashing lamp, the combination of a pair of electro-magnets, an armature mounted to oscillate on an axis between said magnets operating to swing forward on its axis when the circuit is closed through the magnets, separable contacts in circuit with the coils of the electro-magnets, said separable contacts including a resilient member with a contact constantly in the circuit and in the path of the armature so as to be struck by the armature in its forward swing, said armature operating to carry the current and thereby short-circuit the coils through the same, said resilient

member operating to give a return swing to the armature, thereby enabling the contacts to come together again to reclose the circuit through the coils.

2,152,217
BOX HAND TRUCK
Thomas Shaw, Cranston, R. I.
Application September 15, 1936, Serial No. 100,800
9 Claims. (Cl. 280—50)

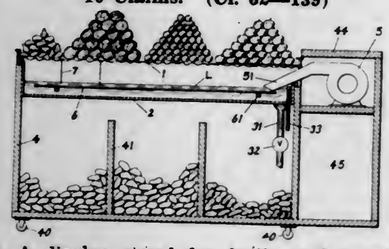


1. A box truck having upstanding walls, a bottom wall located above the lower edge of said upstanding walls and provided with a flange extending downwardly along said upstanding walls, and an angle iron having a portion spaced from the bottom wall and engaging said flange and a portion supporting said bottom wall at a point inwardly from said upstanding walls, and means secured only to said angle iron for mounting wheels.

2,152,218
COLORING RUBBER
Walter Fairbairn Smith, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 4, 1936, Serial No. 67,175. In Great Britain March 4, 1935
8 Claims. (Cl. 18—50)

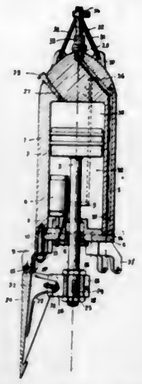
3. Process for superficial coloration of rubber, which comprises milling the rubber with an arylamide coupling component of the type used in dyeing cotton by the "ice-color" method, vulcanizing and forming the rubber, and thereafter treating the rubber with an aqueous solution of a diazotized arylamine.

2,152,219
FRUIT DISPLAY STAND
Howard P. Smith, Olympia, Wash.
Application March 28, 1938, Serial No. 198,464
10 Claims. (Cl. 62—139)



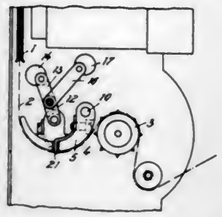
1. A display stand for fruits and vegetables, comprising a water-filled tray, a screen supported above the water level therein, and a blower having its nozzle disposed partly above and partly beneath the water level, whereby to effect circulation of the water, and to effect evaporation and delivery of the moisture-laden air upwardly through a part of the screen and over the fruits and vegetables supported thereon, and means to block access of the moisture-laden air to a different part of the screen, whereby the fruits and vegetables on such latter part are cooled by the water circulation thus induced.

2,152,220
DRILLING BUCKET HAMMER
Guillaume Jean Solomon, Paris, France
Application March 6, 1937, Serial No. 129,294
In France May 12, 1936
2 Claims. (Cl. 255—1)



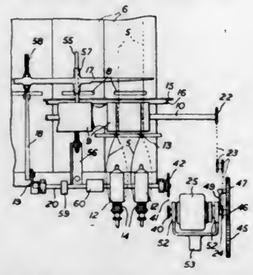
1. A machine for sinking vertical and slightly inclined holes in the ground comprising in combination a cylinder, a piston reciprocatable therein, jaws articulated thereto, connecting means operatively connecting the said jaws to the piston, vibratory means in the said cylinder for driving the said jaws into the ground, and duct means in the said cylinder for supplying motivating power both to the said piston and to the vibratory means.

2,152,221
FILM FEEDING DEVICE
Otto Steiner, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 23, 1936, Serial No. 102,109
In Germany October 3, 1935
4 Claims. (Cl. 88—18.6)



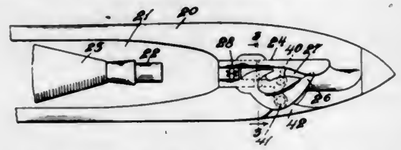
1. In a motion picture apparatus having a film gate and a sprocket wheel for continuously transporting the film, in combination, a single beating lever disposed between said film gate and said sprocket wheel and designed to periodically engage and lengthen a loop portion of the film, said lever having a plurality of stepped guide surfaces for guiding and impelling films of different widths, said guide surfaces for wide films projecting over those for narrow films in direction of the active beating movement of said lever, cross bars between the inner guide surfaces and on a level therewith, a feeding tooth at one of said cross bars, and a mechanism connected with said beating lever for causing said lever to effect feeding beats of a constant beating angle.

2,152,222
MEANS FOR EFFECTING INTERMITTENT TREATMENT OF RUNNING YARNS AND THE LIKE
William Ivan Taylor and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application September 18, 1937, Serial No. 164,444
In Great Britain September 26, 1936
11 Claims. (Cl. 117—22)



1. Apparatus for intermittently treating a running yarn, comprising a yarn-engaging member, an epicyclic gear adapted to move said member in a direction transverse to the path of the yarn so as to displace said path at intervals, and a speed-controlling member in association with said epicyclic gear and adapted to vary the rate of operation of the gear so as to vary the frequency of movement of the yarn-engaging member.

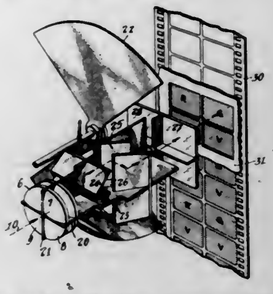
2,152,223
SHUTTLE
William A. Tebo, Anthony, R. I.
Application October 5, 1938, Serial No. 233,450
14 Claims. (Cl. 139—217)



1. In a shuttle a pair of opposed friction tension members for exerting a slip grip on the running filling yarn as it passes through said members, one of said members having a series of ridges or grooves over a portion of its area which extend at an acute angle in one direction to the running filling, and the other member having a series of ridges or grooves which extend at an angle in the other direction to the running filling.

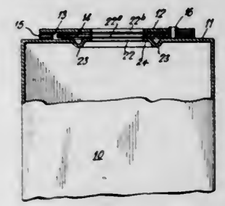
2,152,224
MULTIPLE IMAGE OPTICAL SYSTEM
Richard Thomas, Los Angeles, Calif.
Application June 30, 1936, Serial No. 88,151
7 Claims. (Cl. 88—16.4)

1. A photographic optical system whereby a plurality of images of a scene may be obtained simultaneously without visible parallax, comprising: four segmental optical units arranged about a common axis parallel to the optical axes of said units, each of said units including an objective lens segment containing the optical center thereof, the objective lens segments being arranged with their optical centers closer together than the geometrical centers of image areas in an image plane; means for deflecting light from each of said objective lens segments in a direction away from an adjoining optical unit; compensating reflective plane means adapted to direct deflected light onto desired image areas, said compensating means being stationary with respect to the image plane and lying at an angle of more than 45° to



the optical axis; shutter means operably positioned between said deflecting means and the image plane; septum means separating said segmental units; and color filters positioned between said optical units and the image plane whereby images of complementary color value can be simultaneously recorded.

2,152,225
CLOSURE FOR RECEPTACLES
Percy M. Thorn, New Rochelle, N. Y.
Application April 6, 1936, Serial No. 72,950
7 Claims. (Cl. 221—62)

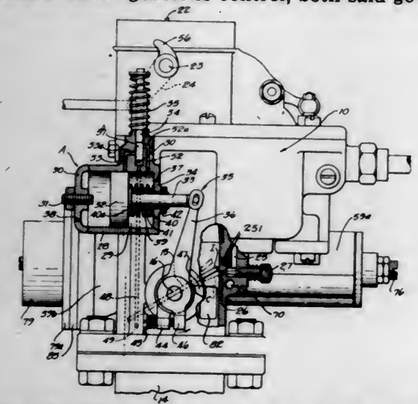


1. A closure for containers or the like comprising a face member of paper, a circumferential rim around and fastened to the face member upon its under side and adapted to be attached to the end wall of a paper container and to form therewith a compartment, a shutter within said compartment and pivoted to said face member, means for attaching said rim to a container, there being aligned openings in said face member and said shutter in one position of the latter.

2,152,226
ENGINE DECELERATION AND GOVERNOR CONTROL
Albert G. H. Vanderpoel and Karl W. S. Ostling, Los Angeles, Calif., assignors to California Machinery & Supply Co. Ltd., Los Angeles, Calif., a corporation of Delaware
Application February 21, 1938, Serial No. 191,684
20 Claims. (Cl. 123—103)

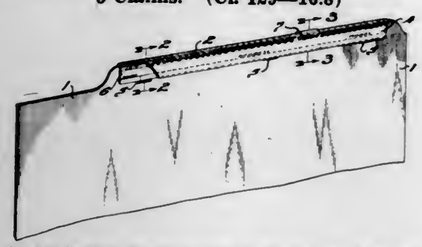
1. In engine fuel feeding apparatus comprising a suction passage having an inlet and an outlet, and a throttle valve in said passage; means for manually operating said throttle valve, a governor controlled in accordance with engine speed to close said valve and thereby govern the engine speed, and control means responsive to low suction passage pressures at the outlet side of the

throttle for closing the throttle beyond its closed position under governor control, both said gover-



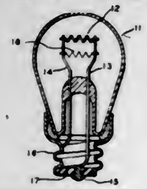
nor and control means being operable independently of said throttle operating means.

2,152,227
INDEX DEVICE
Conrad Veit, Detroit, Mich.
Application February 21, 1936, Serial No. 65,031
3 Claims. (Cl. 129—16.8)



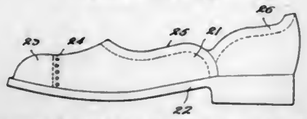
1. An index device comprising a card, a return bent transparent strip secured over the upper edge of the card, one side of the strip being longer than the other, a series of wire stitches extending through the longer side of the transparent strip and through the card, an insert strip inserted beneath the free side of the transparent strip and exposed to view therethrough, the lower edge of the insert strip resting on the wire stitches.

2,152,228
ELECTRICAL INCANDESCENT LAMP FOR SERIES CONNECTION
Harry F. Waters, New York, N. Y.
Application May 5, 1937, Serial No. 140,840
1 Claim. (Cl. 176—24)



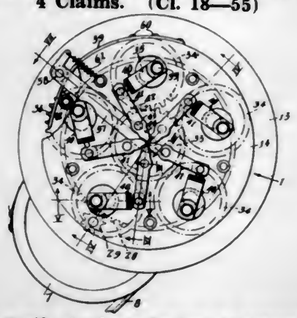
An incandescent lamp for series connection comprising a sealed glass vessel, a filament in said vessel, lead-in wires extending into said vessel and forming a gas-tight seal therewith for supporting said filament, a base cemented to said vessel and having contacts therein electrically connected to said wires for passing current through said filament, and a resistance element located within said base and permanently connected across said wires and across said filament said resistance element being so proportioned as to pass substantial current during the normal operation of said filament, and in case of rupture of said filament being capable of passing sufficient current to the filaments of other lamps of the same type connected in series therewith to bring such filaments to at least dim incandescence.

2,152,229
OVERSHOE
Harry F. Waters, New York, N. Y.
Application May 21, 1937, Serial No. 143,963
3 Claims. (Cl. 36—7.3)



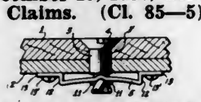
1. An overshoe adapted to form a decoratively perfect unitary structure with a particular shoe of predetermined type, size and style over which it will be worn to the extent of substantially losing its identity as a distinct and separable unit which comprises a body portion and a sole portion constituted of an impermeable material having an outer surface imitative of the outer surface of said particular shoe and having its upper terminal edges at a substantial distance from said sole portion and accurately conforming to decorative and structural lines of said shoe whereby the overshoe when worn over said particular shoe will form a separately undistinguishable and decoratively unitary structure therewith.

2,152,230
METHOD OF FORMING TAMPONS
John L. Webb, Los Angeles, Calif., assignor to Holly-Pax, Inc., Los Angeles, Calif., a corporation of California
Application June 29, 1936, Serial No. 87,866
4 Claims. (Cl. 18—55)



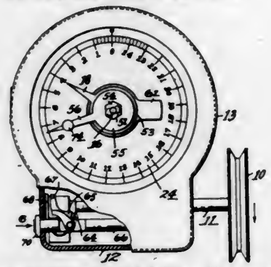
1. The method of producing a tampon of absorbent fibrous material, which tampon is relatively dense, rigid and self-retaining while dry but expands into a much larger, soft and porous body when wetted, said method consisting in the steps of first forming a loose, large, approximately cylindrical tampon uncompressed in a longitudinal direction from said material in dry, loose condition and then laterally compressing the tampon while dry by simultaneously applying equal pressure to at least three circumferentially spaced areas of its lateral surface, each of said spaced areas extending longitudinally substantially the full length of the tampon, said pressure being in a transverse direction only.

2,152,231
LOCK SCREW DEVICE
Michael Yaneson, Newark, N. J.
Application December 15, 1937, Serial No. 179,846
4 Claims. (Cl. 85—5)



1. In a locking screw adapted to cooperate with an apertured locking plate having a transverse groove, and including a shank portion surmounted by a head at one end, the feature comprising a reduced portion projecting axially from the other end of said shank portion and serving as bearing means in the aperture of the locking plate when inserted therein, and an integral symmetrical screw means forming a rigid projection upon the end of said reduced portion and adapted to extend entirely through said locking plate in assembled relation of the screw and plate.

2,152,232
YARN MEASURING MACHINE
John A. Adell, Orange, Mass.
Application July 1, 1937, Serial No. 151,423
18 Claims. (Cl. 33—132)



1. In a measuring machine, the combination of a main shaft, a gear rotatably mounted thereon, a stop disc centered on the main shaft, yielding means for connecting the stop disc and gear to normally urge the gear into a predetermined position with respect to said stop disc, means for fixing the stop disc in stationary position to fix the stopping point for the gear, and means whereby the loosening of said means will permit the adjustment of the disc.

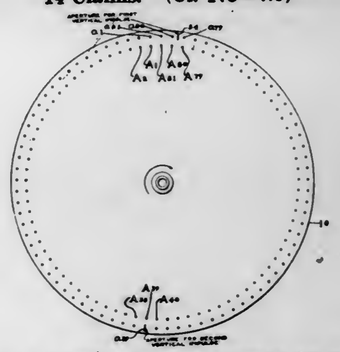
2,152,233
SPLIT LINE WEIGHT
Ernest C. Baker, Seminole, Okla.
Application July 26, 1938, Serial No. 221,459
2 Claims. (Cl. 255—26)

1. A line weight comprising a weight body having a slot therein, said slot extending from one end longitudinally to terminate inwardly of the opposite end of the body, said body at the last-mentioned end of the slot being formed with a recess, a detent member having an opening at one end and a reduced lug at its opposite end, said lug being adapted for engagement in the recess, the end of the body through which the slot opens being formed with an opening therethrough with which the opening in the end of the detent is registrable, and a keeper element for disposition through the registering openings to prevent the lug end of the detent from becoming displaced from the recess in the weight body, said body being formed with a longitu-



dinally extending bore and a knot-receiving bushing in the body and against which the detent bears to prevent displacement of the bushing.

2,152,234
TELEVISION SYSTEM
Randall C. Ballard, Marion, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application July 19, 1932, Serial No. 623,325
14 Claims. (Cl. 178—7.6)



12. In a television system, means for producing horizontal synchronizing impulses occurring at a frequency x, means for producing vertical synchronizing impulses occurring at a frequency y, and means for interlocking said first means and said second means to maintain a fixed frequency relation between x and y, where

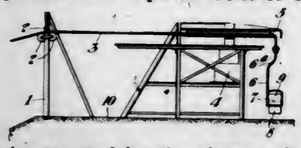
$$\frac{x}{y}$$

is equal to a whole number plus ½, and where y is at least equal to the rate at which persistence of vision substantially causes flicker disappearance.

2,152,235
AERIAL SKI TRAMWAY
Gordon H. Bannerman, Worcester, Mass., and James M. Curran and Glen H. Trout, Omaha, Nebr., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 17, 1937, Serial No. 175,164
3 Claims. (Cl. 104—180)

1. An aerial ski tramway including a traveling rope and a chair suspended from said rope, means for supporting said rope, means for driving said rope, said chair being suspended at such a height from the ground as to permit skiers to

become seated thereon by standing in front of the same, and said tramway including a hand line depending from said rope in front of said chair



so it can be grasped by the skiers, whereby the latter may start themselves in motion to relieve them from the shock of becoming seated on said chair with uncomfortable speed.

2,152,236

INSECTICIDE

Charles H. Batchelder, Hamden, Conn., dedicated to the free use of the Public

No Drawing. Application August 28, 1936, Serial No. 98,344
3 Claims. (Cl. 167—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of making nicotine tannate in concentrated form consisting in reacting nicotine and tannin in an aqueous medium in the presence of a protective colloid.

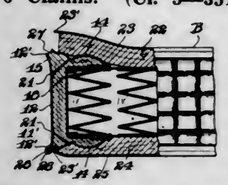
3. The process of making nicotine tannate in concentrated form consisting in reacting nicotine and tannin in an aqueous medium in the presence of nontannin constituents of quebracho extract.

2,152,237

MATTRESS AND METHOD OF MANUFACTURE

Michael Bechik, St. Paul, Minn., assignor to Salisbury & Satterlee Way Co., Minneapolis, Minn., a corporation of Delaware

Application April 7, 1934, Serial No. 719,505
6 Claims. (Cl. 5—351)



2. A mattress including, an inner spring structure having a textile covering, a border having a padding between an outer border covering with lining strips attached by roll stitching along lines spaced from the longitudinal edges thereof, and an inner lining along said border padding, means attaching said inner lining to said covering of said inner spring structure, means attaching the free edges of said lining strips secured to said border covering to said inner spring structure covering to overlap the ends of said border padding over the corners of said inner spring structure, a top and bottom padding extending over said inner spring structure, an outer mattress sheathing extending over said top and bottom padding, and means binding the edges of said top and bottom coverings with the edges of said border covering.

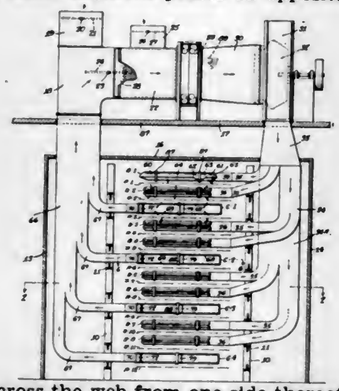
2,152,238

MATERIAL TREATING APPARATUS

Charles P. Bridges, Dedham, Mass.

Application January 24, 1936, Serial No. 60,611
4 Claims. (Cl. 34—48)

1. An apparatus for treating a web of material provided with a plurality of passes having, in combination, a conduit, a blower for causing air to flow into the conduit, means connected to the conduit for discharging air, impelled by the blower, vertically against the opposite faces of one of the passes and against the non-adjacent faces of two other adjacent passes in opposite direc-



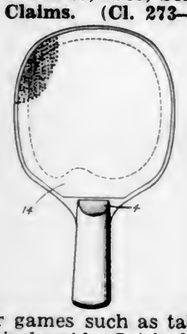
tions across the web from one side thereof to the other and lengthwise of the web towards its opposite ends, at least one collector located between the adjacent faces of said two other passes for collecting the discharged air, and means for conveying away the air collected.

2,152,239

BAT FOR GAMES SUCH AS TABLE TENNIS

Elwood W. Burnard, Rochester, N. Y.

Application March 29, 1938, Serial No. 198,727
7 Claims. (Cl. 273—76)



3. A bat for games such as table tennis comprising a relatively wide, flat body portion and a handle portion; the body portion having a recess on each side thereof that is spaced from the outer edge of the body portion, said recesses at their inner ends near the handle portion being of irregular formation and conforming respectively to the positions of the thumb and index finger on opposite sides of the bat, inserts of resilient material such as sponge rubber arranged in and conforming to said recesses, and a covering on each side of the body portion extending over said insert of resilient material and secured to the body portion at points around said recess.

2,152,240

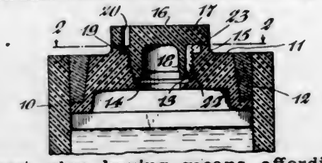
STORAGE BATTERY VENTING MEANS

Humbert Cantoni, Paris, France, assignor to U S L Battery Corporation, Niagara Falls, N. Y., a corporation of New York

Application October 22, 1934, Serial No. 749,384
5 Claims. (Cl. 136—177)

4. In combination with a storage battery cell

cover having a filling aperture therein, and having a boss on its upper surface concentric with, and spaced from said aperture, a vent plug engaging the wall of said aperture to close the same and having an enlarged top portion in contact with said boss which, in conjunction with said boss and said cover, forms a condensing chamber,



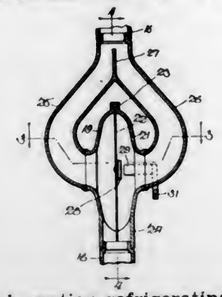
said vent plug having means affording communication from the interior of said cell to said condensing chamber and means out of registry with said first named means affording communication from said condensing chamber directly to the atmosphere, said condensing chamber being completely closed except for said communicating means.

2,152,241

ABSORPTION REFRIGERATION

Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 3, 1935, Serial No. 24,675
15 Claims. (Cl. 62—119.5)



5. In an absorption refrigerating system using inert gas, a gas pump for causing the inert gas to circulate, said pump including a casing member, a diaphragm mounted thereon for forming a chamber therewith, means for vibrating said diaphragm to change the volume of said chamber, means for supplying gas to said chamber, a conduit connected to said casing member and arranged to cooperate with said member and diaphragm to cause gas to flow therethrough in response to the changes in volume in said chamber resulting from motion of said diaphragm.

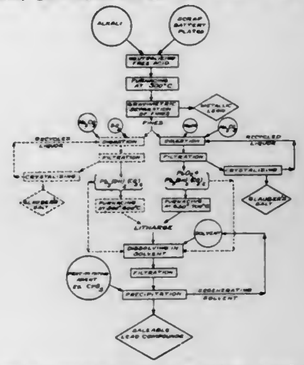
2,152,242

RECOVERY OF LEAD VALUES

Leo P. Curtin, Cranbury, N. J.

Application August 10, 1935, Serial No. 35,681
16 Claims. (Cl. 23—71)

1. In the recovery of lead values, the process which comprises neutralizing the free acid in scrap storage battery plates, separating the fines from the grids, converting the fines into lead basic carbonate substantially free from the normal carbonate by a digestion step with an aqueous liquor comprising a caustic alkali and an alkali metal carbonate, in such proportions that the carbonate is in excess while only sufficient caustic alkali is present to insure the production of lead basic carbonate substantially free from the normal carbonate, dissolving said lead basic carbonate in a solvent, filtering off the insoluble impurities, precipitating the lead values in the



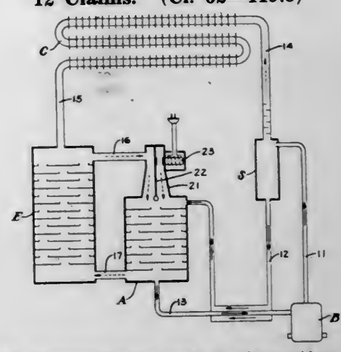
filtrate by a metathetic reaction and recovering said precipitate.

2,152,243

FLUID CIRCULATION IN ABSORPTION REFRIGERATORS

George Pierce Daiger, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 17, 1935, Serial No. 21,920
Renewed August 16, 1938
12 Claims. (Cl. 62—119.5)



2. In a hermetically sealed absorption refrigerating system, a pump for circulating a fluid within the system, said pump including a conduit for the fluid, a blade mounted for oscillatory movement in said conduit and means for oscillating said blade.

2,152,244

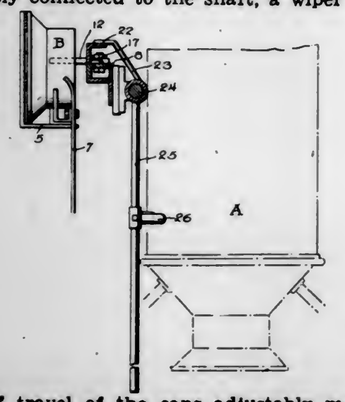
CONVEYER FOR CANS AND CAN COVERS

Edward C. Damrow, Fond du Lac, Wis.

Application August 1, 1935, Serial No. 34,281
Renewed January 21, 1939
2 Claims. (Cl. 198—221)

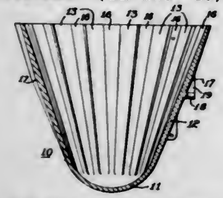
1. In conveying mechanism for cans and can covers in a milk can and milk can cover washing machine the combination of a reciprocating feeder for the cans, a reciprocating feeder for the can covers above the can feeder, means for rigidly connecting the two feeders so they will move simultaneously in the same direction, a separate trackway for each feeder, means for reciprocating the feeders along their respective trackways, a series of spring actuated pawls on each feeder, means for preventing the initial forward feeding of a can cover excepting simultaneously with its companion can comprising a baffle placed lengthwise of the can cover trackway to fold the first cover feeding pawl into inop-

erative position, an oscillatable shaft journaled on the side of the can cover trackway opposite the baffle, a baffle lifting arm fixed to the baffle and the oscillatable shaft, a down-hanging rod adjustably connected to the shaft, a wiper in the



line of travel of the cans adjustably mounted upon the down-hanging rod to be contacted by a can when placed in initial can feeding position whereby the wiper and the down-hanging rod are pushed aside, the shaft is oscillated, and the baffle is lifted out of pawl folding position.

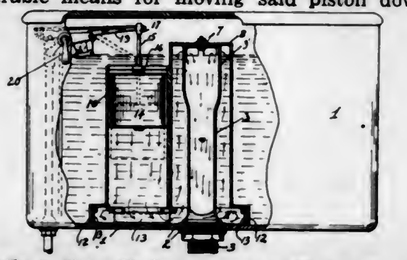
2,152,245
CINDER POT
Archibald D. Davies, Pittsburgh, Pa.
Application May 14, 1938, Serial No. 207,987
4 Claims. (Cl. 266—39)



1. A cinder pot for receiving molten slag and the like having a closed spheroidal bottom and an upwardly diverging side wall, the said side wall being of increased thickness intermediate its top and bottom and being provided with a series of circumferentially spaced tapered substantially flat-bottomed channel-shaped sections provided with legs connecting adjacent sections together.

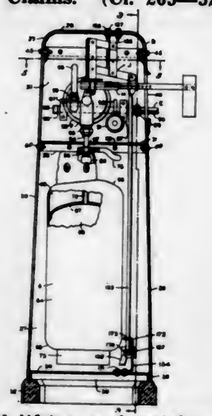
2,152,246
TANK
Francisco de la Cuesta, Habana, Cuba
Application September 27, 1937, Serial No. 165,993
1 Claim. (Cl. 4—46)

In a flush tank, a pipe fixed in an opening in the bottom of the tank and extending upwardly, a cylindrical casing having a closed top surrounding the pipe in a spaced relation with respect thereto, a cylinder arranged adjacent said casing and having a wall portion formed integrally with a wall portion of the casing to provide a wall portion common to the cylinder and the casing, said common wall portion being terminated at the lower end to provide a passage from the cylinder to the casing, a plurality of flap valves for admitting fluid from the tank to the lower portion of the cylinder and the casing, a floating piston arranged for reciprocation in the cylinder, an inlet pipe for said tank, a lever operably responsive to the upward movement of said piston for closing said inlet and manually operable means for moving said piston down-



wardly in the cylinder to open said inlet whereby the fluid pressure closes said flap valves and discharges liquid through said pipe during the downward movement of said piston.

2,152,247
LOAD LIFTING AND WEIGHING DEVICE
Paul S. Endacott, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application July 16, 1934, Serial No. 735,541. Divided and this application July 27, 1936, Serial No. 92,895
3 Claims. (Cl. 265—52)



1. In a load lifting and weighing device, the combination of a rigid support, a vertical arm rigid with said support, a lever pivoted intermediate its ends to the lower portion of said vertical arm to swing in a vertical plane, a vertical hanger pivoted intermediate its ends to one end portion of said lever, a scale at the lower portion of said hanger, a link parallel to said lever pivotally connected to the upper end portion of said hanger and to said vertical arm, and means connected to the other end portion of said lever for raising and lowering the same and retaining it in a fixed position.

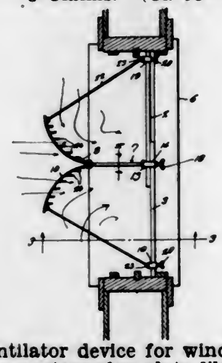
2,152,248
TRIHEXOSAN-CARBOXYLIC ACID SALTS AND PROCESS OF MAKING SAME
Marja Finkelsztejn, Paris, France, assignor, by mesne assignments, to the firm of Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Application November 16, 1936, Serial No. 111,177. In Switzerland November 21, 1935
20 Claims. (Cl. 260—528)

8. Process for the manufacture of a metal salt of the trihexosan-carboxylic acids, comprising

treating trihexosan in alkaline solution with an oxidizing agent and separating the trihexosan-carboxylic acid thus produced in the form of a sparingly soluble metal salt.

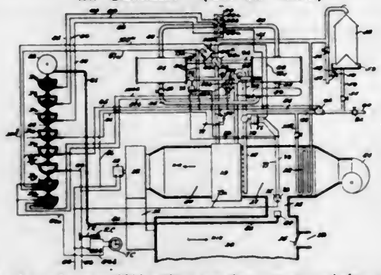
15. The metal salts of trihexosan-carboxylic acids.

2,152,249
WINDOW VENTILATOR
Michael A. Galgoczy, Jr., Cleveland, Ohio, assignor of one-fourth to Frank Bucsi, Cleveland, Ohio
Application February 1, 1938, Serial No. 188,150
3 Claims. (Cl. 98—44)



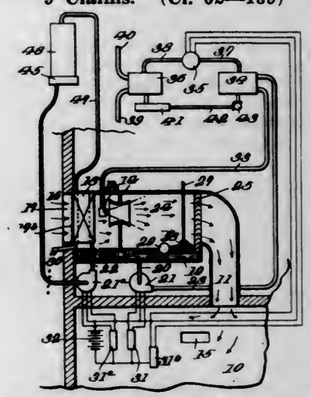
3. A ventilator device for windows comprising a screen, a rectangular plate-like deflector unit adapted to be secured at one end to said screen to extend from one side thereof centrally of the same and having at the opposite end thereof a pair of baffle portions of flexible material disposed side by side for flexing laterally into oppositely curved separated relation, means for securing the unit to said screen comprising a pair of angle brackets fitting around the upper and lower edges of said screen and provided with anchoring devices secured to the first-mentioned end of said unit, and means for flexing said baffle portions into different set positions comprising a pair of clips slidably mounted on the upper edge of said screen, and rodlike connections extending between said portions and clips and pivoted thereto.

2,152,250
CONTINUOUS CYCLE HEATING AND COOLING SYSTEM
Norman H. Gay, Los Angeles, Calif.
Application September 3, 1935, Serial No. 39,064
22 Claims. (Cl. 62—129)



8. An air conditioning system comprising a duct through which is circulated the air to be conditioned, a radiator in said duct, a refrigerating plant including a condenser and an evaporator, means for admitting fresh air into said duct so that it passes over said radiator, precooling means for modifying the fresh air before it passes to the radiator, spray means for introducing water into the fresh air, and control devices responsive to the humidity of the circulating air for varying the operation of said spray means and of said radiator, and control devices responsive to the temperature of the circulating air for selectively controlling the operation of the spray means and of the radiator, said latter devices including also means for varying the precooling effect at said precooling means.

2,152,251
AIR CONDITIONING APPARATUS
Norman H. Gay, Los Angeles, Calif.
Application December 2, 1935, Serial No. 52,577
9 Claims. (Cl. 62—139)



1. In an air conditioning system, means providing a path for the movement of air, a radiator positioned in said path, Venturi throat equipment in said path downstream of said radiator and through which all air must pass, means supplying a cooling medium to the radiator and directing cooling liquid spray into said throat equipment to provide successive treatments for the air, said spray and throat equipment constituting the sole means for conveying air through said path and means for individually controlling the supplying of cooling medium to the radiator and to the spray whereby the cooperative effect of said radiator and spray can be varied.

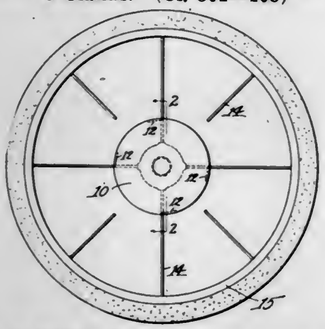
2,152,252
LAWN MOWER
Hiram F. Godwin, Detroit, Mich., and Frank C. Speke, Toledo, Ohio
Application February 15, 1936, Serial No. 64,000
15 Claims. (Cl. 56—26)



1. In a lawn mower comprising a frame structure and having a knife fixed thereon; adjustable cutting mechanism including spaced bearing members, each having an outer peripheral portion journaled in an opening of one pair of opposite sides of said frame respectively, each of said members having an internal bearing surface eccentrically located with respect to its outer peripheral portion, a cutting reel comprising a shaft having opposite end portions journaled in

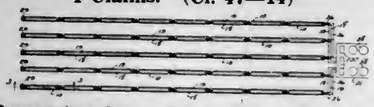
said internal bearing surfaces, said reel being adjustable toward and away from said knife by rotation of said bearing members relative to said frame structure, and means for positively adjusting said reel including an element for rotating each of said bearing members respectively and having a common manually operable actuating element positively connecting said bearing rotating elements for simultaneously rotating said bearing members and moving the opposite end portions of said reel in unison and throughout substantially equal distances.

2,152,253
HUB CAP
Henry F. Greene, Sr., East Templeton, Mass., assignor to Gardner Tool and Stamping Company, a partnership composed of Paul V. Anderson, William Le Clair, and himself
Application December 16, 1937, Serial No. 180,203
3 Claims. (Cl. 301—108)



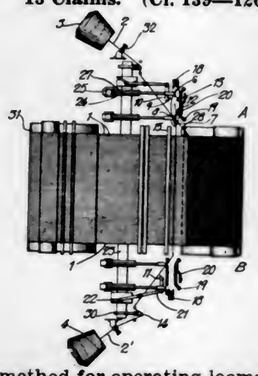
1. As an article of manufacture, a hub cap comprising a sheet metal disc, its edge being provided with ears projecting therefrom and each ear having a notch in the edge thereof, the notches on two adjacent ears being on the sides thereof which project toward each other, said ears being arranged in pairs around the circumference of the cap.

2,152,254
APPARATUS FOR WATER CULTURE OF VEGETATION
William M. Hansen, Phoenix, Ariz.
Application March 31, 1938, Serial No. 199,272
4 Claims. (Cl. 47—14)



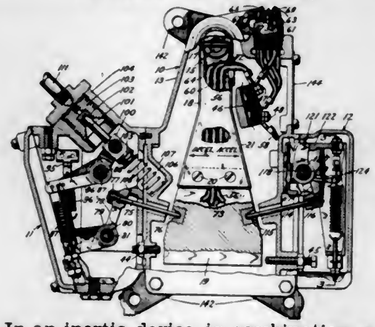
1. Apparatus for water culture of vegetation comprising a plurality of rows of water tight units, treated water supply and return pipes extending longitudinally of the rows and submerged in the units, a central retreatment station connected to the pipes for controlling standardization and circulation in the apparatus, a pressure relief valve connected to the pipes in the unit at that end of the row most remote from the retreatment station, said valve being adjusted to permit the escape of part or all of the water into the units, said units being disposed in stepped relation progressively from a high point at the remote end of the row to the low point at said retreatment station, and gates in the unit permitting the treated irrigation water escaping from each upper unit to the next adjacent lower unit.

2,152,255
METHOD AND LOOM FOR WEAVING
Ernst Hefti, Winterthur, Switzerland, assignor to Gebruder Sulzer Aktiengesellschaft, Winterthur, Switzerland, a corporation
Application October 2, 1937, Serial No. 166,934
In Switzerland October 8, 1936
13 Claims. (Cl. 139—126)



1. The method for operating looms for weaving having a gripper shuttle and a stationary spool for the weft thread comprising the step of moving the shuttle to a predetermined position after it has arrived and is stopped in the shuttle box and before releasing the weft thread from the shuttle, thereafter releasing the weft thread from the shuttle, and pulling the thread backwards until the free end of the thread is adjacent to the fabric edge.

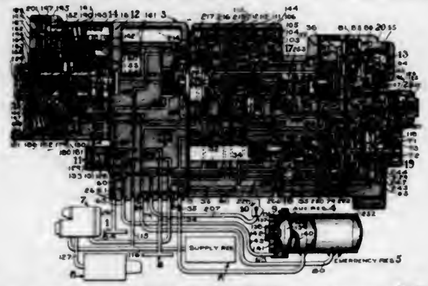
2,152,256
INERTIA DEVICE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 6, 1937, Serial No. 119,238
12 Claims. (Cl. 200—52)



1. In an inertia device, in combination, a body movable under a force of inertia, a rockable arm movable in accordance with the movement of said body, and a plurality of springs for sequentially opposing movement of said rockable arm.

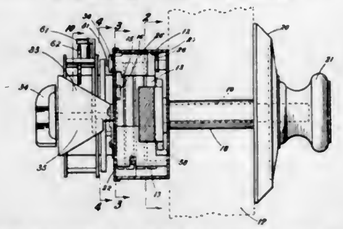
2,152,257
BRAKE MECHANISM
Ellis E. Hewitt, Edgewood, and Donald L. McNeal, Wilkinsburg, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application August 24, 1937, Serial No. 160,562
93 Claims. (Cl. 303—26)

1. In a vehicle brake equipment, in combination, a communication through which fluid under pressure is supplied to effect an application of the brakes, a straight air pipe through which fluid under pressure may be supplied to said communication, a brake pipe, a brake controlling valve device operative upon a gradual reduction in brake pipe pressure for supplying fluid under pressure to said communication and operative upon a sudden reduction in brake pipe pressure for also supplying fluid under pressure to said communica-



tion, means operative to limit the pressure of fluid supplied by the brake controlling valve device in response to the gradual reduction in brake pipe pressure, valve mechanism responsive to the sudden reduction in brake pipe pressure for cutting said means out of operation, and valve means responsive to the pressure of fluid supplied through the straight air pipe for also cutting said means out of operation.

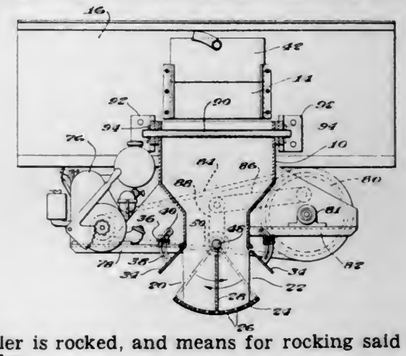
2,152,258
TIME DELAY COMBINATION LOCK
Charles M. Hirn, Cincinnati, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a corporation of Ohio
Application February 23, 1938, Serial No. 192,171
8 Claims. (Cl. 70—269)



1. In a device of the class described the combination of a clockwork selectively rendered operative and inoperative from the exterior of the device, a combination lock including cooperating tumbler mechanism and a gate controlling operation of the lock, and means operable by the clockwork for withholding the gate from the tumbler mechanism during unwinding movement of the clockwork.

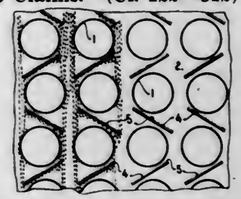
2,152,259
SAND SPREADING APPARATUS
Albert F. Humphrey, Somerville, Mass.
Application August 2, 1938, Serial No. 222,650
9 Claims. (Cl. 275—2)

1. In a device for spreading sand or other loose material upon a roadway, in combination, a hopper into which the material to be spread is received, said hopper being provided with two opposed side openings, an impeller mounted to rock in the hopper in the path of material falling freely through said hopper, said side openings being positioned relatively to said impeller so that a part of the falling material is struck by said impeller and forcibly deflected from the hopper through said side openings alternately as the im-



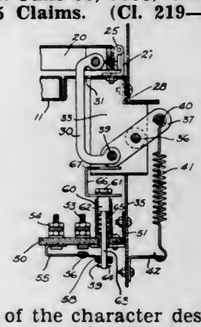
peller is rocked, and means for rocking said impeller.

2,152,260
TUBE PLATE FOR MULTITUBULAR BOILERS
Frédéric C. Huygen, Schiedam, Netherlands, assignor to N. V. Machinefabriek "Breda" v/h. Backer & Rueb, Breda, Netherlands
Application June 20, 1938, Serial No. 214,819
In the Netherlands January 27, 1937
3 Claims. (Cl. 122—512)



1. A tube-plate for a multitubular boiler having holes for the fire-tubes and projections which are welded to the plate near the tube openings at the side thereof from which the tubes extend each projection facing part of the circumference of a tube and leaving a free passage between adjacent projections and between the tubes.

2,152,261
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application June 30, 1936, Serial No. 88,169
5 Claims. (Cl. 219—37)



1. A stove of the character described comprising a cooking top, a plurality of heating elements positioned within said cooking top, a cover mounted on said cooking top for movement into and away from a concealing position overlying said cooking top, a cut-out switch in circuit with said

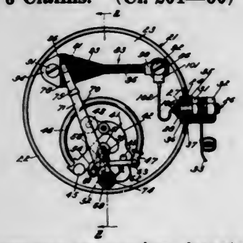
heating elements positioned within an enclosed location within the stove beneath the cooking top and removed from the heat thereof, mechanism for counterbalancing the cover including an operating connection extending downwardly through said cooking top and connecting with said cover, and means for effecting actuation of said cut-out switch to open circuit position in response to movement of said connection upon the lowering of said cover.

2,152,262

PRESSURE RESPONSIVE RHEOSTAT

Maximilian Klein and Bernhard Willach, Sellersville, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania

Application September 3, 1935, Serial No. 39,062
6 Claims. (Cl. 201—60)



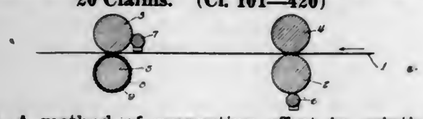
1. In a pressure responsive rheostat; a casing including a cylindrical wall and a transverse end wall; a bracket mounted within said casing and with its back against said end wall; a pressure responsive element carried by said bracket and spaced considerably from one portion of said cylindrical wall, said element being uniformly responsive to equal increments of pressure variation; a contactor arm pivoted to said bracket and extending, in a plane in front of said responsive element, to a point considerably therebeyond and adjacent said portion of said cylindrical wall; a substantially flat and rectilinear resistance strip including non-uniform resistance areas supported on said end wall and spaced therefrom so as to lie in the aforementioned plane, said resistance strip extending chordally across said casing beyond the ends of the arc described by the free end of said contractor arm; said free end of said contractor arm being formed to contact opposite sides of said strip to thereby prevent movement of said free end away from said strip and consequent breaking of said contact; and means interconnecting said arm and said responsive element so that uniform movement of said responsive element causes said free end of said arm to uniformly move along said resistance strip, whereby the effective resistance of said rheostat is non-uniformly varied by equal variations of pressure in said responsive device.

2,152,263

METHOD AND APPARATUS FOR PREVENTING OFFSET IN PRINTING

Theodore E. Knowlton, New York, N. Y.

Application April 28, 1930, Serial No. 447,962
20 Claims. (Cl. 101—420)



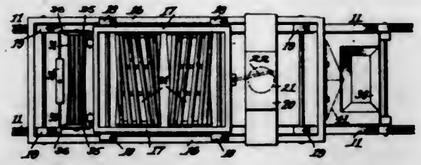
1. A method of preventing offset in printing characterized by printing a blank sheet upon one face, supporting the sheet on a foraminated woven layer, and then printing the sheet on the reverse side.

2,152,264

METHOD OF AND APPARATUS FOR SURFACING PAVEMENTS

John E. Loft, Worcester, Mass.

Application May 27, 1937, Serial No. 145,146
14 Claims. (Cl. 94—45)



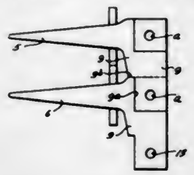
5. A road surfacing machine comprising a traveling frame having rollers for resting on a pair of forms and carrying the frame, a carriage having rollers supported on said traveling frame, means for moving said carriage back and forth horizontally on the frame, and rollers carried by said carriage and capable of moving up and down, said rollers comprising operating surfaces formed of spaced bars extending from one end to the other.

2,152,265

SICKLE GUARD

Thomas A. P. Matthews, Newport, Tenn.

Application July 23, 1938, Serial No. 220,954
1 Claim. (Cl. 56—310)



In a sickle guard, guard teeth, each of the guard teeth being provided with a laterally disposed plate at its blade adjacent end portion, each of said plates at one end provided with a recession on one side, the other side of the plate at its opposite end constructed to provide a reduced extension for disposition in the recession of the adjacent end of an adjoining plate, the other end portion of each plate being reduced transversely to provide a forward shoulder, each of the teeth having a laterally disposed portion at its blade adjacent end portion to abut the shoulder of the adjacent end of the adjoining plate.

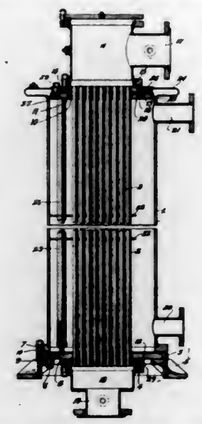
2,152,266

HEAT EXCHANGE EQUIPMENT

Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 14, 1937, Serial No. 142,552
2 Claims. (Cl. 257—224)

2. A head exchange unit of the tube and shell type having a nest of tubes in the shell, a floating tube sheet at one end of said nest of diameter such as to fit and float within the shell, a second tube sheet adjacent the same end of the tube nest arranged at the outer face of the first sheet, with a space therebetween, the second tube sheet being of smaller diameter than the first, a ring removably attached to the first tube sheet and lying substantially in the plane of the second tube sheet, a header of smaller diameter than the ring for the adjacent ends of the tubes, means securing the header to the second tube sheet, and a flexible joint including a bellows member connected



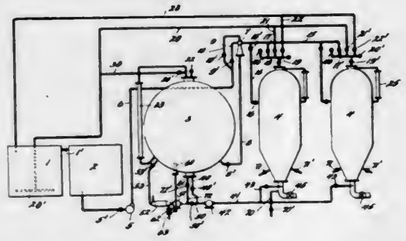
with the ring and also with the adjacent edge portion of the shell.

2,152,267

METHOD AND APPARATUS FOR DIGESTING FIBROUS MATERIAL

Albert D. Merrill, Watertown, N. Y., assignor to Chemipulp Process Inc., Watertown, N. Y., a corporation of New York

Application April 1, 1936, Serial No. 72,165
5 Claims. (Cl. 92—7)



1. The method of digesting fibrous cellulosic material which comprises charging a digester with fibrous material, accumulating a volume of hot digestion liquor under pressure in an accumulator tank, circulating such hot acid liquor through the digester and directly back to the accumulator until the fibrous material in the digester is uniformly heated to a predetermined degree, and during such circulation recirculating a separate stream of acid directly to and from the accumulator, and while heating such stream automatically controlling the degree of heat imparted thereto to maintain the temperature of the acid in the accumulator at between substantially 75° C. and 100° C.

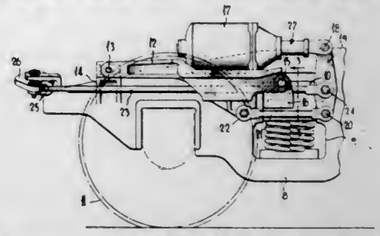
2,152,268

BRAKING MECHANISM FOR RAILWAY CAR TRUCKS

Harry A. Moeller and Claude L. Orr, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio

Application May 6, 1937, Serial No. 141,156
16 Claims. (Cl. 188—33)

1. A railway car truck including a side frame member and a transverse bolster, an air cylinder mounted on an end of said bolster and having a piston rod, and brake actuating mechanism operatively connected to the piston rod.

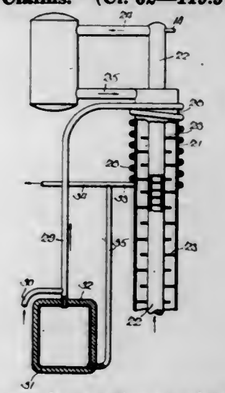


2,152,269

ABSORPTION REFRIGERATING APPARATUS

Rudolph S. Nelson, Rockford, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 17, 1933, Serial No. 680,748
Renewed August 16, 1938
10 Claims. (Cl. 62—119.5)



5. The method of operating a refrigerating system of the continuous absorption type employing an evaporator and an absorber in circuit and using a pressure equalizing medium, which comprises using a portion of the liquid refrigerant not utilized in the main evaporator to cool another liquid by bringing relatively warm portions of the medium into heat exchange relation, but out of contact with said refrigerant to facilitate the evaporation of the same, and passing said other liquid into heat exchange relation, but out of contact with the refrigerant as it evaporates to thus cool said liquid.

2,152,270

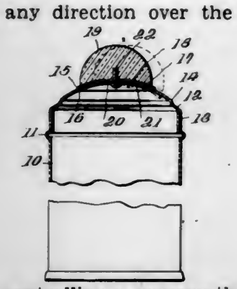
DISPENSING CONTAINER

Robert Nyden, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 24, 1938, Serial No. 209,817
11 Claims. (Cl. 221—62)

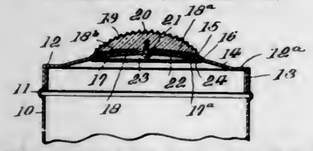
1. A dispensing container comprising a body portion, a can top therefor, said can top having a central opening therethrough, a closure member disposed on one face of the can top, a resilient member bearing against the opposite face of the can top, and means extending through the central opening for connecting said resilient member to said closure member for maintaining the said closure member in sealing contact with the face of the can top, said central opening being dimensioned relative to said connecting means for permitting movement of said closure

member in any direction over the face of the



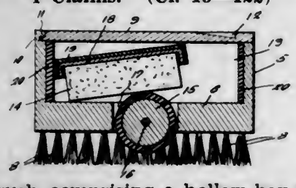
can top for controlling a passage through which the contents of the container is dispensed.

2,152,271
DISPENSING CONTAINER
Robert Nyden, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 24, 1938, Serial No. 209,818
7 Claims. (Cl. 221—62)



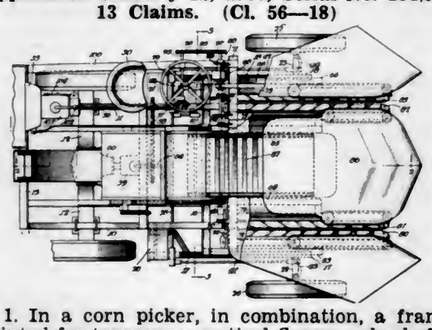
1. A dispensing container comprising a body portion, a can top therefor having a slot and a dispensing opening at each end thereof, an outer closure member overlying said slot and said dispensing openings in the intermediate position thereof, a spring member abutting against the inner face of said can top, one of said members having a boss snugly fitting the side walls of said slot for guiding said members for rectilinear movement, and means extending through said boss for connecting said members for movement in unison for uncovering one or the other of said dispensing openings.

2,152,272
FOUNTAIN BRUSH
Michael Ombrello, Bronx, N. Y.
Application April 14, 1938, Serial No. 202,089
4 Claims. (Cl. 15—122)



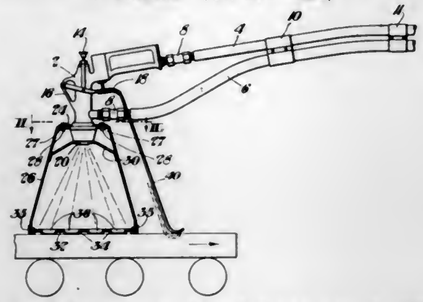
2. A brush comprising a hollow box like head provided on one side thereof with bristles, said brush also having an opening in said one side thereof, a horizontally arranged roller rotatably supported in the opening and extending transversely of the head and having portions extending above and below said side, a block of cleansing material located in the chamber formed by the hollow head and of less area than the chamber, said block having a portion resting on the roller whereby the block is moved back and forth in the chamber as the roller is rotated first in one direction and then in the other and a weight having a chamber in its underside receiving the upper portion of the block, said weight moving with the block.

2,152,273
CORN PICKER
August Otto, Sandwich, Ill.
Application January 12, 1938, Serial No. 184,626
13 Claims. (Cl. 56—18)



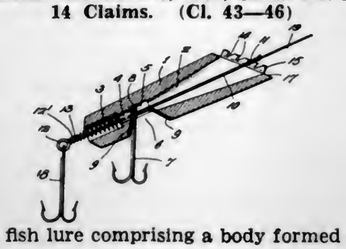
1. In a corn picker, in combination, a frame jointed for transverse vertical flexure, wheels for independently supporting each member of the frame, picker mechanism mounted on the rear section of the frame and projecting forward of the line of frame flexure, and means for vertically moving the forward end of such section.

2,152,274
STENCIL ATTACHMENT FOR SPRAY GUNS
Martin S. Papazian, Worcester, Mass.
Application August 26, 1936, Serial No. 98,029
7 Claims. (Cl. 101—114)



1. In combination with a spray gun, a nozzle on said gun, a plate secured to said gun behind said nozzle and extending at substantially right angles to said nozzle, a sheet metal hood substantially frusto-pyramidal in shape removably secured at its smaller end to said plate, a cowl secured to the inside of said hood and receiving the nozzle therethrough, a stencil carried by said hood and being removable therefrom, and means for automatically operating said gun when said hood is placed against a body to be marked.

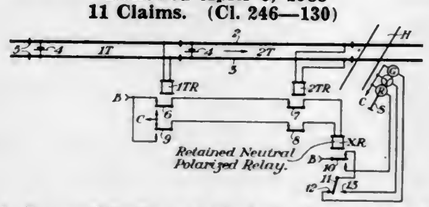
2,152,275
FISH LURE
Virgil Parkins, Tiffin, Ohio
Application November 6, 1937, Serial No. 173,229
14 Claims. (Cl. 43—46)



1. A fish lure comprising a body formed with a

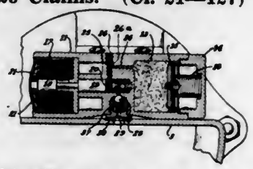
longitudinally extending bore, the under portion of the body being formed with a recess communicating with the bore intermediate the length thereof, a stem extending through the bore, means for detachably engaging said stem and holding the stem in place, a hook suspended from the rear end of the stem back of the body, and a hook under the body having its shank extending upwardly through the recess and engaged with the stem.

2,152,276
CONTROLLING APPARATUS FOR HIGHWAY CROSSING SIGNALS
George R. Pflasterer, Greenville, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 30, 1936, Serial No. 88,103
Renewed April 6, 1938
11 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track including an intersection with a highway, a first track section and a second track section included in said stretch and successively occupied by a train approaching said intersection, a track circuit including a track relay for said first section, a pole changer including contacts of said track relay, a polarized relay governed by said pole changer and by traffic conditions in said second section, a highway crossing signal at the intersection capable of displaying three different indications, and means governed by said polarized relay for controlling said signal.

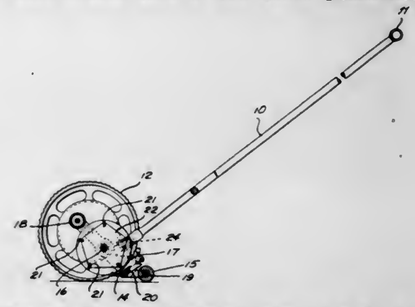
2,152,277
SUCTION CLEANER
Frank L. Pierce, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 21, 1934, Serial No. 754,009
In Great Britain November 23, 1933
23 Claims. (Cl. 21—127)



7. In combination in a suction cleaning apparatus, suction-creating means to create a flow of air and an odorizer unit, said unit comprising a reservoir for a volatile agent, an exhaust chamber open to said reservoir, normally closed valve means between said chamber and the air flow, and means to force a charge of agent from said chamber through said valve and into the air flow.

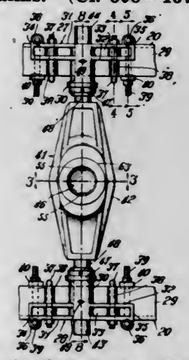
2,152,278
MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application June 18, 1937, Serial No. 148,835
3 Claims. (Cl. 56—249)

1. In combination with a lawn mower having a substantially rigid frame, a wheel on each side of said frame making tractive contact with the ground, a rotary cutting reel comprising spiral fly knives mounted on said frame between said wheels, means operatively connecting said reel and said wheels to cause rotation of said reel when said wheels are rotated, a handle attached to said frame and a bed knife positioned to



make a shearing contact with said fly knives when said reel is rotated; means for pivotally attaching said handle to each side of the frame at a point below the horizontal plane of the axis of said wheels and to the rear of the axis of said cutting reel.

2,152,279
TOWING DEVICE FOR TRUCKS AND THE LIKE
Harry Randall and William Randall, Chicago, Ill.
Application April 9, 1936, Serial No. 73,466
4 Claims. (Cl. 308—137)

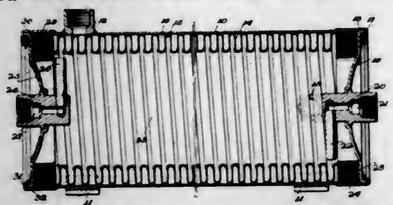


1. In a vehicle towing device, the combination of a bearing sleeve, a block rigidly connected to said sleeve at right angles thereto and having a portion of its bottom face offset upwardly to enable it to fit over rivet heads or the like, lugs extending downwardly from said block at one side face thereof, and bolts carried by said block arranged to have hooked engagement with a frame bar for holding the block rigidly in position with said lugs pressed firmly against the side face of said frame bar.

2,152,280
VAPOR CONDENSER AND METHOD OF MAKING THE SAME
Anthony D. Rapuano, New Haven, Conn., assignor to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application December 17, 1936, Serial No. 116,418
3 Claims. (Cl. 113—118)

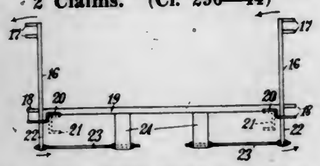
1. The method of making a condenser which includes the steps of forming a spirally corrugated tubular wall having corrugations whose depth is materially greater than their width,

providing a casing with an end closure having an annular channel, filling said channel with fluid solder while said casing is on end, holding one or more corrugations at the end of said corrugated wall in said solder until the same is con-



gealed, providing a similar closure for the opposite end of said casing, filling the channel thereof with fluid solder, and inverting said casing and holding one or more corrugations at the opposite end of said corrugated wall in said last named solder until the same is congealed.

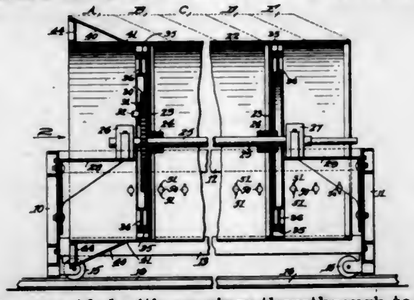
2,152,281
ARRANGEMENT OF DOORS ON MOTOR VEHICLES
Francis Henry Redfern, Folkestone, England
Application December 28, 1936, Serial No. 118,016
In Great Britain January 15, 1936
2 Claims. (Cl. 296—44)



1. An arrangement of doors on a motor vehicle comprising, on each side of the vehicle, a pillar fixed at its lower end to a suitable part of the base of the vehicle and free at its upper end, a pair of brackets at the upper end of the pillar integral therewith and a pair of brackets at the lower end of the pillar, a pair of doors each having, on the edge adapted to come adjacent said pillar and towards the upper end thereof, apertured hinge parts and each of said doors having, towards the lower end of the same edge, apertured hinge parts, the said hinge parts at the upper and lower ends of the doors co-operatively engaging with the pairs of brackets at the upper and lower parts of the pillar respectively, hinge pins between the said brackets and said hinge parts, channels in the said adjacent edges of the doors which carry the hinge parts to close upon the pillar to accommodate said pillar when the doors are in the closed position and serve to conceal said pillar both from the inside and the outside of the vehicle, said pillar being of less height than the doors, the channel portions of the doors being discontinued immediately above the upper end of the pillar to leave the door portions to come over and enclose said pillars from above, for the purposes set forth.

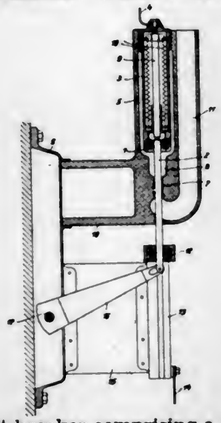
2,152,282
WINDING DRUM FOR REELS
Fulton Rindge, Longmeadow, Mass.
Original application October 8, 1936, Serial No. 104,678. Divided and this application June 14, 1937, Serial No. 148,169
2 Claims. (Cl. 242—117)

1. In a warping reel in which multi-thread sections of yarn are wound preparatory to warping, a yarn-receiving drum comprising a sheet metal cylinder and an enlarged truncated conical portion mounted on said cylinder adjacent one end thereof, said conical portion being permanently secured to the outside of said cylinder at a point spaced from one end of said cylinder, said cylinder



being provided with openings therethrough to receive the knotted ends of groups of warp yarns.

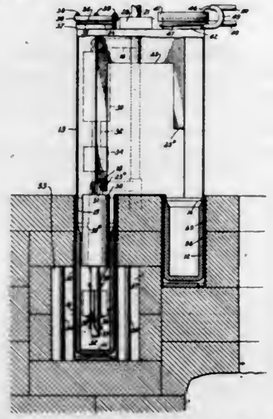
2,152,283
ELECTRIC CIRCUIT BREAKER
Sigwart Ruppel, Berlin, Germany; Frida Strauss, née Ruppel, New York, N. Y., heir of Sigwart Ruppel, deceased
Application August 19, 1935, Serial No. 36,859
In Germany August 25, 1934
14 Claims. (Cl. 200—149)



1. A circuit breaker comprising a housing having a gas evolving wall and defining a passage, said housing being substantially closed to atmosphere during closed circuit conditions, said housing containing a gas accumulating chamber, a conductive electrode closely fitting said passage in said housing and freely relatively removable with respect to said housing, an insulating member imposed in said passage to limit the size of said passage, and a pair of terminals interconnected by said electrode during closed circuit conditions.

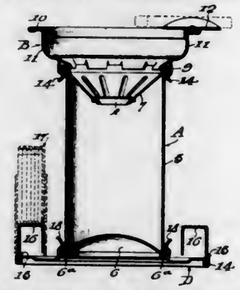
2,152,284
METHOD OF HEAT TREATING AND APPARATUS THEREFOR
Chester B. Sadtler, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application March 13, 1936, Serial No. 68,716
13 Claims. (Cl. 148—21.5)

1. A heat treating apparatus comprising, in combination, a pair of heating containers having openings in the upper portions thereof, means for maintaining said containers at relatively high but different temperatures, an enclosing structure having a transfer chamber formed therein communicating with said openings in said heating containers and cooperating with said heating containers to form a hermetically sealed enclosure, said enclosure having an aperture therein, an actuating member extending into said enclosure through said aperture, means including a supporting member operatively connected to said actuating member for conveying material through said transfer chamber from one of said heating containers to another in response to movement of said actuating member, a plurality of relatively movable telescoping sleeves arranged about said actuating member, and means including a pool of sealing liquid arranged between adjacent portions of at least two of said telescoping sleeves for hermetically sealing said aperture in said enclosure.



13. A method for heat treating high speed steel which comprises subjecting a steel article to the successive temperature phases of, preheating to a low temperature, heating to a high temperature, and quenching, all in an evacuated atmosphere, and maintaining the atmosphere about the steel article at substantially the same low pressure both during and between said phases.

2,152,285
ASH RECEIVER
Wilfred R. Schirmer, Rapid City, S. Dak.
Application June 16, 1936, Serial No. 85,557
2 Claims. (Cl. 131—51)



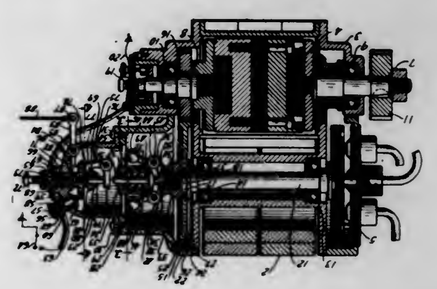
1. In an ash receiver, the combination of a container comprising a cylindrical body, an open top, and a circumferentially extended seam permanently connecting the body and top; and a cigar-supporting annulus detachably engageable with the seam and including a lower edge portion slitted and bent to present alternated fingers engageable above and beneath the seam for yieldably retaining and positioning the annulus on said seam.

2,152,286
WELDING ROD
Pieter Schoenmaker, Nijmegen, Netherlands, assignor to Willem Smit & Co's Transformatorenfabriek, Nijmegen, Netherlands
Application August 16, 1937, Serial No. 159,392
In the Netherlands November 4, 1936
4 Claims. (Cl. 219—8)



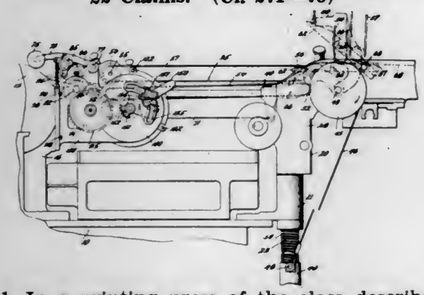
1. A slag-forming coating material for welding rods comprising an organic substance, free SiO_2, a metal oxide by which oxygen is split off, and manganese or ferro-manganese, said material satisfying the following conditions (1) the ratio of the number of gram-molecules of free SiO_2 to the number of gram-molecules of metal oxide by which oxygen is split off and which is derived at least to 80% by weight from iron, lying between 3.5 and 1, (2) at least a quantity by weight of manganese or ferro-manganese which is capable of combining with all the oxygen which is susceptible of being split off, and (3) from 10 to 20% by weight of non-melting carbohydrates.

2,152,287
AUTOMATIC SAFETY DEVICE FOR INTERNAL COMBUSTION ENGINES
Leland L. Scott, Kansas City, Mo.
Application April 8, 1937, Serial No. 135,722
5 Claims. (Cl. 123—146.5)



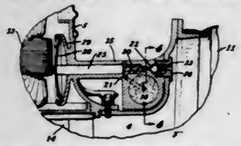
1. An ignition omitting mechanism for internal combustion engines including a housing, a fixed contact carried by the housing and adapted to be connected with an ignition circuit of an engine, a contact member movable in the housing to and from contacting relation with the fixed contact, a bell crank latch lever pivotally mounted in the housing and selectively engaging the contact member, trip mechanism in the housing engageable with an arm of said bell crank lever, a spring normally retaining said bell crank latch lever in latching engagement with the contact member and for urging said contact member into one position relatively to the fixed contact, and means responsive to speed of the engine for actuating the trip mechanism.

2,152,288
SHEET DELIVERY MECHANISM FOR PRINTING PRESSES OR THE LIKE
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application May 11, 1937, Serial No. 142,043
22 Claims. (Cl. 271—75)



1. In a printing press of the class described, having an impression cylinder, means for driving said cylinder at a constant angular velocity, and an endless tape conveyor disposed with its receiving end adjacent said cylinder and its discharge end adjacent the point of delivery of the printed sheets; means having a single connection with said cylinder driving means to drive said conveyor, said means comprising a plurality of trains of epicyclic gearing adapted to convert the uniform velocity of said driving means to a variable velocity and imparting it to said conveyor, whereby the conveyor is adapted to receive a sheet from the cylinder while moving at approximately the peripheral speed of said cylinder and to discharge it at a reduced speed.

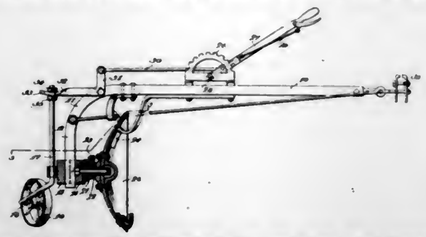
2,152,289
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 21, 1934, Serial No. 754,007
In Great Britain November 23, 1933
12 Claims. (Cl. 21—127)



1. In combination in a suction cleaning apparatus, means to create a flow of air, a volatile agent source, means to move a quantity of agent from said source to said air, and means automatically to actuate said last mentioned means at the initial cleaning operation and to prevent such actuation at subsequent operations.

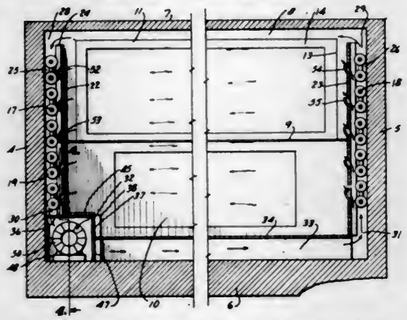
2,152,290
AGRICULTURAL IMPLEMENT ATTACHMENT
Albert H. Splittstoesser, Kulm, N. Dak.
Application September 13, 1938, Serial No. 229,764
4 Claims. (Cl. 97—6)

1. An attachment of the character described comprising a draft beam, a standard aft of said beam, a two-part block embracing said standard, means clamping the parts of the block when the latter is rotatably adjusted, a concavo convex disk journaled on said block, a bearing on said block, a trailer wheel having an axle shank swiveled in said bearing, a hitch for the beam, and



means manually adjusted for raising and lowering the shank in said bearing.

2,152,291
REFRIGERATED CASE
Raymond H. Starr, Clarence Masters, and Chester K. Litman, Kansas City, Mo., assignors to Koch Butchers' Supply Company, North Kansas City, Mo., a corporation of Missouri
Application September 15, 1937, Serial No. 163,996
5 Claims. (Cl. 62—89.5)



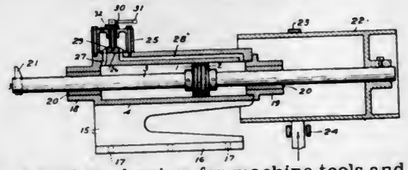
1. In a compartment to be refrigerated, means forming vertical passageways at opposite locations in the compartment and having air inlet and outlet openings respectively, a refrigerating element in each of the passageways, a duct connecting the lower ends of the passageways, and means connected with said duct for effecting circulation of air from the compartment and through one of said passageways for movement through said duct to the other of said passageways for discharge into the compartment.

2,152,292
PROCESS FOR THE PRODUCTION OF ALKYL ESTER SALTS
Adrianus Johannes van Peski and Anton Johan Tulleners, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1935, Serial No. 28,215. In the Netherlands July 3, 1934
4 Claims. (Cl. 260—460)

1. Process for preparing wetting agents and detergents comprising cracking a paraffinic petroleum fraction selected from the group consisting of petrolatum and paraffin wax first in the liquid phase and subsequently in the vapor phase to provide a cracked fraction containing a mixture of olefines having more than six carbon atoms per molecule, reacting said mixture of olefines with a strong inorganic polybasic acid and neutralizing the resulting mixture of alkyl acid derivatives of said acid.

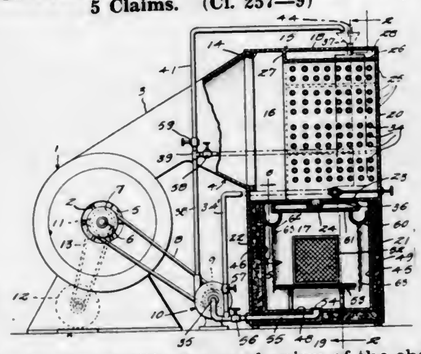
4. Process for preparing wetting agents and detergents comprising cracking a paraffinic petroleum fraction selected from the group consisting of petrolatum and paraffin wax to provide a cracked fraction containing a mixture of olefines having more than six carbon atoms per molecule, substantially selectively removing at least a part of the unsaturated compounds more reactive than the normal olefines contained in said fraction, reacting the remaining substantially normal olefines with sulfuric acid and neutralizing the resulting mixture of alkyl acid sulfate derivatives.

2,152,293
HYDROSTATIC TOOL FEED
Frederick A. Wagner, Oakland, Calif.
Application January 12, 1937, Serial No. 120,245
5 Claims. (Cl. 77—32)



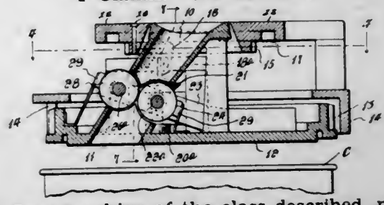
2. A feed mechanism for machine tools and the like comprising a cylinder adapted to hold oil, a rotor fitting in said cylinder of a length to provide for longitudinal movement in said cylinder, a substantially oil-sealed shaft extending into the cylinder and connected to said rotor adapting it for rotary as well as longitudinal movement within the cylinder, said rotor formed with an extremely shallow but always open spiral oil channel arranged and adapted to convey oil from one end to the other of the rotor as the same is revolved in the cylinder when filled with oil, and whereby the rotor and shaft are forced to travel longitudinally of the cylinder when revolved, and due to the minuteness of the oil channel and viscosity of the oil the shaft is substantially locked against endwise movement when the rotor is still, means for mounting the cylinder on a machine tool, and means forming with said shaft a boring bar for said machine tool.

2,152,294
AIR CONDITIONING MECHANISM
Earl Clarence Warwick, Glendale, Calif.
Application June 2, 1938, Serial No. 211,459
5 Claims. (Cl. 257—9)



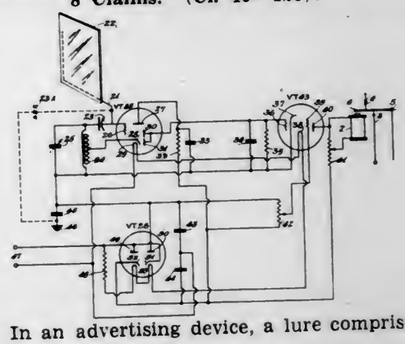
4. An air conditioning mechanism of the character described, comprising a cabinet structure having a portion constructed to provide a chamber, a plurality of water tubes extending across said chamber, said chamber having one side open and having air outlet apertures at the other side, a blower unit connected with the open side of the chamber for discharging air thereinto for passage between said tubes to escape at the opposite side of the chamber, water receiving receptacles at the ends of said tubes, one of said receptacles having a portion lying above the tubes and being provided with a water inlet, the other receptacle having a portion extending below the tubes and provided with a water outlet, means whereby water passing through said water outlet will be raised to the top of the mechanism for discharge into said water inlet, said means including a pipe line running directly to the inlet and a pipe coil tapped at one end into said pipe line and having its other end arranged for discharge into said inlet, valve means in the pipe line between the said inlet and the point at which said coil is connected therewith, and means for controlling the temperature of fluid passing through said coil to said inlet.

2,152,295
APPARATUS FOR PRODUCING ADDITIONAL DRAFT IN DRAWING FRAMES
Jan Weinberger, Chrastava, Czechoslovakia, assignor of twenty-five per cent to St. George Textile Corporation, New York, N. Y., a corporation of New York
Application October 25, 1937, Serial No. 170,912
In Yugoslavia October 27, 1936
4 Claims. (Cl. 19—159)



1. In a machine of the class described, means for feeding the sliver to a can including a rotary plate, an inclined sliver channel rising from the rotary plate, a stationary case above the plate and into which the upper end of the channel rotatably extends, said plate being rotatable on a vertical axis extending centrally through the upper end of the inclined channel whereby a sliver passing through the channel remains at all times spaced from the wall thereof, a pair of sliver drafting rollers extending across the channel adjacent the lower end thereof for lengthening the sliver and holding the same spaced from the channel walls, and a gear drive for the rollers cooperatively carried by the rotary plate and stationary case and rendered operable upon rotation of the plate.

2,152,296
ADVERTISING DEVICE
David Albert Weis and William L. Woolf, New York, N. Y., assignors to Talking Advertising Corporation, a corporation of New York
Application September 21, 1936, Serial No. 101,834
8 Claims. (Cl. 40—126)



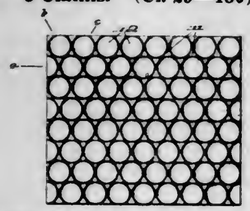
1. In an advertising device, a lure comprising

a robot having movable lips, sound producing apparatus including a sound record carrying an advertising message, a sound reproducer located in said robot, electric means for operating the lips of said robot, means responsive to the approach of an object near said robot for initiating the operation of said sound producing apparatus, and circuits for energizing said sound producing means and said lip operating means from said sound producing apparatus whereby the movable lips of said robot are operated in synchronism with the advertising message.

2,152,297
SHEET METAL STOCK FOR PANELING AND OTHER PURPOSES

George R. Wilson, Washington, D. C., assignor to Lumasyne, Inc., Washington, D. C., a corporation of Delaware

Application January 7, 1937, Serial No. 119,506
5 Claims. (Cl. 29—180)

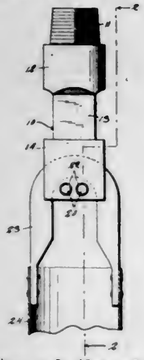


3. Ornamental sheathing having light reflecting properties and adapted to be readily cut or otherwise formed to any size or shape, and comprising stiff and durable sheet metal having a brightly finished front face, and formed throughout its front face with shallow circular depressions of a depth no greater than half their radius arranged in substantially edge to edge relation and with very narrow sinuous flat surface areas extending between the different depressions.

2,152,298
CONNECTOR FOR BAILERS AND SAND PUMPS

Bert P. Wininger, Duncan, Okla., assignor of forty per cent to Herbert Strachan, Stephens County, Okla.

Application February 24, 1938, Serial No. 192,370
3 Claims. (Cl. 166—19)

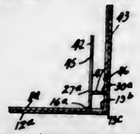


1. A connector of the character described, comprising a body formed at its upper end with an upwardly tapered screw and at its lower end with a head having a transversely extending slot from end to end, the upper wall of the slot being transversely curved and being upwardly curved longitudinally, a supporting block fitting in said slot and having an upwardly bowed upper face complementary to the upper wall of the slot, said upper face being transversely grooved, the said block being of less length than the slot and positioned midway of the ends thereof, and a plurality of bolts passing through the head and through said block and detachably holding the block in place.

2,152,299
ADVERTISING NOVELTY

George Arndt, New York, N. Y.

Application December 16, 1938, Serial No. 246,028
1 Claim. (Cl. 40—126)

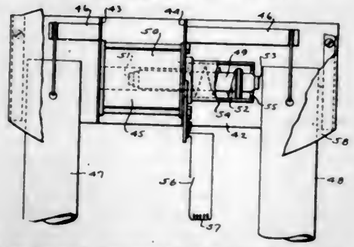


A device of the nature described comprising an outer layer of flexible material divided into a base section and a cover section along a hinge line, an inner layer similarly divided and superposed upon the outer layer, a figure cut, scored and bent from the inner layer, the said figure comprising a section bendable from the base section along a lowermost score line parallel to and spaced from and below the hinge line of the inner layer, a shelf bendable from the figure section above and parallel to the said lowermost score line, and a tab bendable from the said shelf, the said inner layer being pasted to the outer layer throughout its entire area with the exception of the figure and shelf portions to make the said figure self-erecting when the cover is turned up on the said hinge line.

2,152,300
CHIME

Gisbert L. Bossard, Dayton, Ohio

Application July 31, 1933, Serial No. 682,956
3 Claims. (Cl. 177—7)

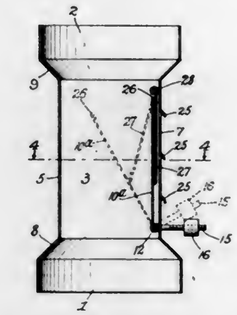


1. A solenoid operated device of the character described comprising a support, a solenoid coil substantially horizontally supported thereon, a plunger movable in said coil and having a striking tip at both ends thereof, a pair of sounding members mounted on said support in line with said solenoid and one at each end thereof, an energizing circuit including a control member for said coil for moving the solenoid plunger against one of said sounding members and maintaining the plunger substantially at a limiting position until said control member is operated, said control member manually determining the time of deenergization of the coil, the length of said plunger being so coordinated with the length of the solenoid coil as to slightly space the end of the plunger from said one sounding member when the energization of said coil is maintained, and spring means for moving the plunger to an opposite limiting position to strike the other sounding member, said spring being of such length as to provide a normal position of the plunger, when the coil is deenergized, in which the end of the plunger is slightly spaced from said other sounding member.

2,152,301
DRAFT REGULATOR

James L. Breese, Santa Fe, N. Mex., assignor to Oil Devices, Santa Fe, N. Mex., a limited partnership of Illinois

Application February 19, 1937, Serial No. 126,572
2 Claims. (Cl. 236—45)

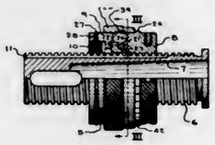


1. In a control damper for flues, a flue passage member including a portion of generally rectangular cross section, a pressure responsive valve member pivoted in said rectangular portion in substantially air tight relation with the walls thereof, a pivot member for said valve extending through two opposite walls of said rectangular portion adjacent a third wall, said third wall having an opening therein, and weight means associated with the pivot member and adapted normally to hold said valve member withdrawn against said third wall of said rectangular portion to close said opening, one face of said valve member being subjected to pressures existent within the flue, the other being subjected to outside atmospheric pressure, and movable sealing means associated with said valve member, including a pressure responsive flap mounted for rotation about an axis parallel with the axis of rotation of said valve member, the free outer edge of said flap being normally at all times engaged by the outer face of said valve member.

2,152,302
LOCK FOR TOOL HOLDERS

Joseph F. Buhr, Ann Arbor, Mich., assignor to Buhr Machine Tool Company, Ann Arbor, Mich.

Application May 6, 1937, Serial No. 141,055
2 Claims. (Cl. 279—9)

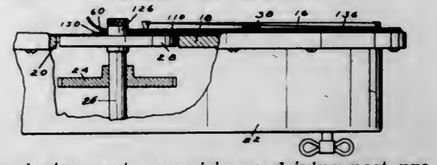


1. In a tool holder of the character described having a body, a tool support rotatably mounted therein, and means for locking said support to said body, an adjustable sleeve for holding said locking means in operative position, so mounted on said body that force on said sleeve induced by chip pressure will tend by rotation thereof to move said sleeve to maintain said locking means in operative position.

2,152,303
RECORDING INSTRUMENT

James D. Cunningham, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Original application January 6, 1936, Serial No. 57,657. Divided and this application May 4, 1936, Serial No. 77,684
1 Claim. (Cl. 234—75)



An instrument comprising a driving post provided with a flange for supporting a chart having an opening to be centered on said post and yielding holding means for the chart including a leaf spring arm secured at one end to the instrument beyond the margin of the chart and biased toward the chart, said holding means being formed with an annular portion loosely encircling the driving post and directly engaging the chart to press it against the supporting flange.

2,152,304
INDEX

George H. Dawson, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application April 24, 1936, Serial No. 76,106
9 Claims. (Cl. 129—16.8)



1. In combination with a sheet member having an index tab projecting from one edge thereof, an indicator signal slidably secured to said sheet member, said signal being movable a substantial distance into the exposed area of said tab, and means to prevent accidental separation of said signal from said sheet members.

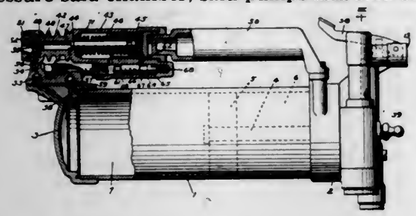
2,152,305
LUBRICATING DEVICE

Adiel Y. Dodge, South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application August 13, 1936, Serial No. 95,752
10 Claims. (Cl. 221—47.3)

1. A unitary portable lubricating device comprising, a fluid-operated pump, a storage chamber for fluid under pressure, means to conduct fluid from said storage chamber to said pump to operate the pump, means to conduct fluid under pressure to the chamber and a booster pump to receive fluid from said conducting means and

discharge it into said chamber under increased pressure said chamber, said pumps and said con-



ducting means forming a portable self-contained unit.

2,152,306

METHOD OF REMOVING METAL OBSTRUCTIONS FROM WELLS

John J. Grebe and Sylvia M. Stoesser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application September 30, 1936, Serial No. 103,360

2 Claims. (Cl. 166—21)

1. In a method of removing a metal obstruction from the bore of a well, the step which consists in introducing into the well an aqueous solution consisting of from 22 to 35 per cent of HCl, from 2 to 7 per cent of HNO_3, and 1 to 4 per cent of $CuCl_2$, the balance being water.

2,152,307

METHOD OF PREVENTING INFILTRATION IN WELLS

John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 24, 1937, Serial No. 150,131

7 Claims. (Cl. 166—21)

1. In a method of treating water-bearing formations adjacent the bore of an oil or gas well, the step which consists in introducing into the well a treating solution comprising an alkali-metal phosphate and a water-soluble soap.

2,152,308

METHOD OF PREVENTING INFILTRATION IN WELLS

John J. Grebe, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 24, 1937, Serial No. 150,132

8 Claims. (Cl. 166—21)

1. In a method of treating water-bearing formations adjacent the bore of an oil or gas well, the step which consists in introducing into the well a treating solution comprising a water-soluble aluminate and a water-soluble soap.

2,152,309

APPARATUS FOR PLOTTING THE SITE PLAN FOR A LANDSCAPE

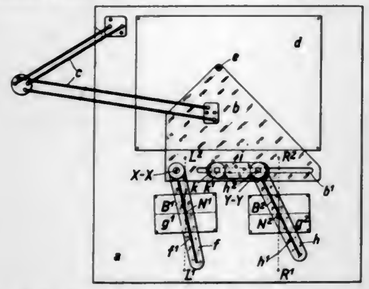
Otto von Gruber, Jena, Germany, assignor to the firm Carl Zeiss, Jena, Germany

Application December 11, 1936, Serial No. 115,318

In Germany December 14, 1935

1 Claim. (Cl. 33—79)

An apparatus for plotting the site plan of a landscape from two stereoscopic images obtained by photographing said landscape vertically from aircraft, said apparatus comprising a stationary plate, a displaceable plate and means interconnecting said plates for universal parallel motion of said displaceable plate in a plane, said means consisting of two link-parallelograms hinged together, a plotting pencil disposed in said displaceable plate and coordinated to a plotting sur-



face parallel to said plane, two rules mounted on said displaceable plate and rotatable about axes at right angles to said plane, the distance apart of said axes being variable, and means for displacing at least one rule relatively to said displaceable plate along a line intersecting said axes at right angles, each of said rules being adapted to determine a straight line intersecting at right angles the axis of rotation of said rule.

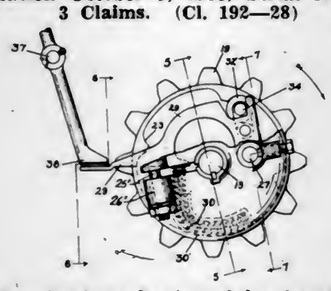
2,152,310

CLUTCH MECHANISM

Arthur J. Hartley, Peoria, Ill.; The Central National Bank and Trust Company of Peoria and Neta S. Hartley, executors of said Arthur J. Hartley, deceased, assignors to Hart-Carter Company, Peoria, Ill., a corporation of Delaware

Application October 9, 1935, Serial No. 44,145

3 Claims. (Cl. 192—28)



1. In a clutch mechanism of the class described, the combination of a driving member revolving on a shaft, consisting of a bell shaped housing enclosing a central bearing boss and arcuate faced driving lugs on its inner periphery, a driven member fixed to said shaft and substantially closing the open end of the driving member, an arm within this enclosure and extending outwardly therefrom rockably mounted on a pivot relatively fixed eccentric to said shaft, a second arm pivotally mounted at one of its ends on the first said arm, a pawl element rotatably carried by the other end of said second arm whereby it engages a driving lug when the first said arm is in clutch engaging position and clears said driving lugs when the first said arm is out of clutch engaging position, means engageable with the first said arm for swinging the same about its pivot to cause said pawl to engage with and to disengage from said driving

lugs, and a projection on the arm extending outward from the enclosing members to engage the means to cause the swinging movement of said arm.

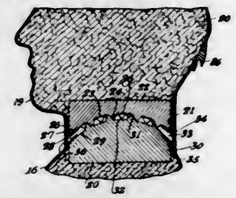
2,152,311

SEAMLESS RUBBER FIGURE

Emanuel Jacobson, New York, N. Y.

Application June 11, 1935, Serial No. 25,982

10 Claims. (Cl. 46—156)



1. In a figure, a seamless cast rubber casing having integral limbs, the casing having representations thereon in the form of relative elevations and depressions, the elevations and depressions in the outer surface of the casing being more sharply defined than the corresponding elevations and depressions on the inner surface thereof, pliable stuffing material inserted in said casing and maintaining the normal contour thereof, and means inside the casing for maintaining the limbs in various set positions, said means including a pair of separable interengaging members secured to the casing.

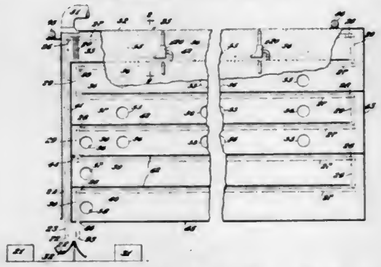
2,152,312

TREATMENT OF LEATHER

Chester S. Jennings, Syracuse, N. Y., and Frank W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application August 4, 1936, Serial No. 94,138

6 Claims. (Cl. 34—24)



1. That treatment of leather which includes the following steps; transporting the leather through a plurality of compartments divided into two groups, subjecting the leather as it travels through the initial group of said compartment to the action of a stream of dry conditioned air set up in that group of compartments by which the moisture content of the leather is reduced and thereafter subjecting the leather as it travels through the final group of compartments to the action of a stream of humid conditioned air set up in that group of compartments by which the moisture content of the leather is increased to a predetermined amount, the stream of air set up in the initial group of compartments flowing in a direction opposite to that in which the leather travels and the stream of air set up in the final group of compartments flowing in the same direction as that in which the leather travels.

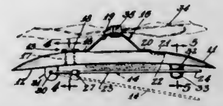
2,152,313

CLASP FOR HAIR ORNAMENTS

Stephen F. Kayn and Daniel D. Whyte, New York, N. Y., assignors to Injection Moulding Corp., New York, N. Y., a corporation of New York

Application October 19, 1937, Serial No. 169,757

5 Claims. (Cl. 132—47)



1. An ornamental clasp comprising a body portion, and a plurality of fastening devices on opposite faces thereof, each of said fastening devices comprising a swivel member and a latch therefor, the swivel member of one of said fastening devices being actuable for horizontal displacement about a vertical axis and the swivel member of the other of said devices being actuable for vertical displacement about a horizontal axis.

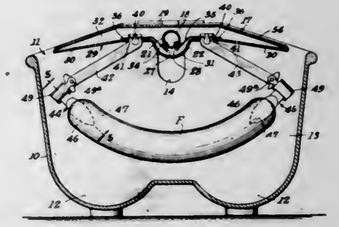
2,152,314

FRANKFURTER COOKER

Samuel Kohn, Jackson Heights, N. Y.

Application December 7, 1936, Serial No. 114,581

13 Claims. (Cl. 219—19)



1. A frankfurter grill comprising a bowl, a member mounted transversely across the top thereof, and a plurality of independently tiltable units mounted on said member, adapted to swing from operative to inoperative positions, each unit being adapted to receive and support a frankfurter.

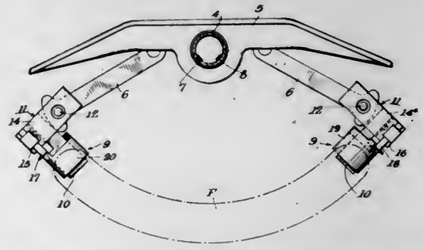
2,152,315

FRANKFURTER COOKER

Samuel Kohn, Jackson Heights, N. Y.

Application December 7, 1936, Serial No. 114,582

10 Claims. (Cl. 219—19)



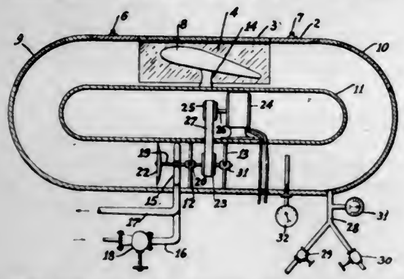
1. An electrode for frankfurter cookers, comprising a prong adapted to pierce a frankfurter, and a member mounted on each side of said prong adapted to engage and cooperatively clamp the outer surface of said frankfurter.

2,152,316
ANTENNA
Roman Kopanski, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio
Application July 22, 1938, Serial No. 220,791
5 Claims. (Cl. 250—33)



1. A radio antenna comprising a hollow metallic tubular member, a longitudinally extensible metallic member mounted within said tubular member, and a liquid of comparatively high surface tension within said tubular member and substantially and continuously filling the space between said members during all positions of the extensible member, whereby there will be prevented a rattling of the same in any adjusted position.

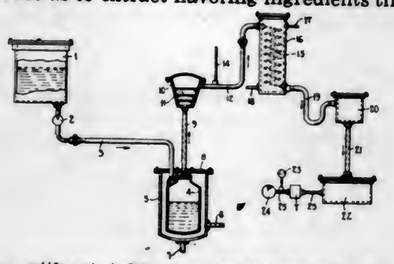
2,152,317
WIND TUNNEL AND METHOD FOR DETERMINING STREAMLINE CONTOURS
Albert J. Kramer, Washington, D. C.
Application July 27, 1937, Serial No. 155,982
6 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



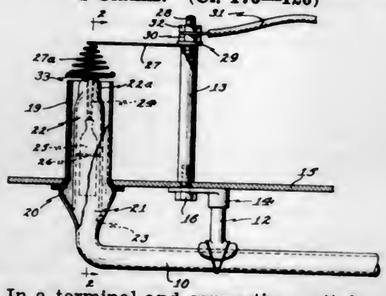
1. The method of determining streamlined contours, said method consisting of subjecting to the influence of a conditioned flow medium a model of material disposable by sublimation.

2,152,318
METHOD OF MAKING GIN
Alfred J. Liebmann, New York, N. Y.
Application September 29, 1936, Serial No. 103,091
3 Claims. (Cl. 99—34)

3. In the art of making gin, that step which consists in heating substantially neutral spirits to a temperature of substantially 60° C. and at a pressure of substantially 500 mm. of mercury, and contacting the vapor resulting from such heating and at said pressure with flavoring material so as to extract flavoring ingredients therefrom, without taking up substantially any extract.



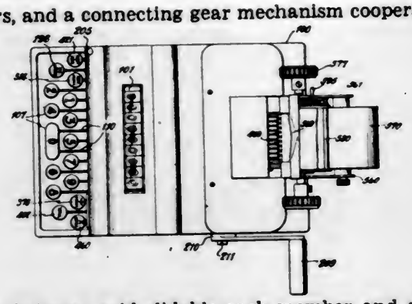
2,152,319
CONNECTING ELECTRODE UNIT FOR NEON SIGNS
George Louis Link, Chicago, Ill.
Application August 11, 1938, Serial No. 224,345
4 Claims. (Cl. 176—126)



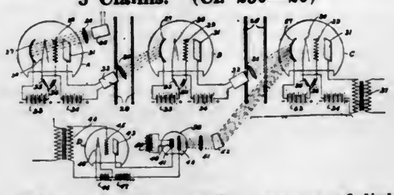
1. In a terminal and connecting unit for neon signs or the like, a cylindrical guard housing open at one end and having an annular bead at its other end adapted to seat against the sign wall when said unit is inserted in a sign wall aperture; an enlarged integral cylindrical extension within said housing and having one end joined to a sign tube, to communicate the interiors of such tube and said extension and thereby forming a cylindrical air space between said guard housing and said enlarged extension; a tubular electrode mounted within said insulator member; and electrical contact wires secured at one end to said electrode and passing through said sealed end of said insulator member and projecting exteriorly therefrom.

2,152,320
ADDING AND CALCULATING MACHINE
Louis M. Llorens, New York, N. Y., assignor, by mesne assignments, to George Moore, Hastings on Hudson, N. Y.
Application February 3, 1931, Serial No. 513,112
Renewed September 3, 1937
14 Claims. (Cl. 235—60)

1. In a machine of the class described, the combination with an accumulator and actuators therefor, of a transversely movable carriage, a plurality of differential stop bars slidably mounted on said carriage and each formed with a plurality of stepped actuator stopping shoulders, a plurality of digit keys, and means settable by said digit keys for effecting movement of said stop bars to positions representing numbers for controlling said actuators comprising a set of key levers, transversely slidable bars controlled thereby, a slidable rack member controlled by said slide bars, and a connecting gear mechanism cooperating between said slidable rack member and said differential stop bars.

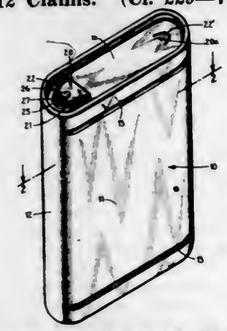


2,152,321
ELECTRONIC TUBE AND APPARATUS EMPLOYING SAME
Oran T. McIlvaine, St. Charles, Ill., assignor to The McIlvaine Patent Corporation, St. Charles, Ill., a corporation of Delaware
Application July 9, 1934, Serial No. 734,353
5 Claims. (Cl. 250—20)



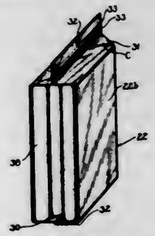
1. The combination with a source of light in the form of a gaseous glow discharge lamp and means for causing the same to fluctuate, of an amplifier tube comprising an anode and grid and an associated cathode adapted and positioned to emit electrons under the influence of the light of said lamp and a transparent envelope for enclosing said anode, grid and cathode, and a second gaseous glow discharge lamp in circuit with the anode of said tube and constituting a variable source of light the intensity of which is amplified by said tube and varies in accordance with the fluctuations of said first named lamp by reason of the impingement of the light thereof onto the cathode of said tube and the flow of electrons to said anode from said cathode.

2,152,322
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application January 30, 1936, Serial No. 61,476
12 Claims. (Cl. 229—7)



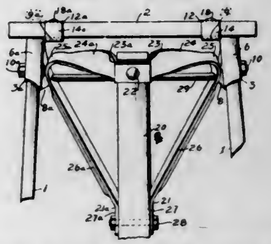
1. A container comprising a body and a closure member therefor, the latter comprising a blank including fibrous material having a raised area and a furrow adjacent the outer edge of said area formed by cutting some of the fibers of said blank.

2,152,323
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application March 18, 1937, Serial No. 131,616
11 Claims. (Cl. 93—35)



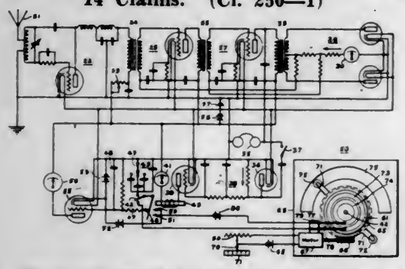
1. The method of forming a container which comprises adhesively joining layers of fibrous and foil sheet material together to form a laminated blank, folding said blank with a foil layer innermost to form a rectangular-like body, applying heat and pressure to the overlapping ends of the blank to activate a thermoplastic adhesive interposed between said overlapped ends, folding portions of two opposed side walls of the body inwardly to form an end wall, pressing opposed halves of the inner peripheral metallic surface of a marginal portion at an end of said body into engagement, and applying heat and pressure to said margin to activate a thermoplastic adhesive on said marginal portion to imperviously seal the engaged metallic surfaces thereof together.

2,152,324
LADDER
Robert W. Pulver, San Jose, Calif.
Application January 25, 1938, Serial No. 186,844
1 Claim. (Cl. 228—32)



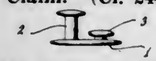
In a ladder of the character described, a head iron to be mounted on the ladder leg and hingedly associated with the stiles comprising, a member having its central portion bent to engage three sides of the leg at its upper end, and fastening means therefor, each side portion of the member being twisted and extended laterally and then bent and extended downwardly at an angle to form a brace seated upon the leg, means for fastening the two brace ends fixedly to the leg, each side portion being provided with means adjacent the last named bend for swingably engaging a supporting member.

2,152,325
ALTITUDE DETERMINING SYSTEM FOR AIRCRAFT
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr.
Application September 16, 1937, Serial No. 164,113
14 Claims. (Cl. 250—1)



1. The method of determining altitude which comprises propagating and directing upwardly radiant energy waves to form an interference pattern in space the points of maxima of which are separated by a distance proportional to altitude, counting the number of maxima encountered in traveling a given horizontal distance and calculating therefrom the altitude.

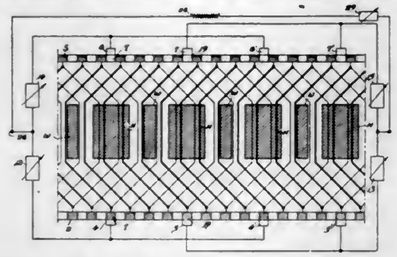
2,152,326
COLLAR BUTTON
Frederic H. Rauh, South Orange, N. J.
Application May 24, 1938, Serial No. 209,673
1 Claim. (Cl. 24—91)



A collar button, for use in the neck band of a shirt having a conventional button hole near each end thereof, embodying a substantially flat, rigid, base plate provided with a short, fixed, headed shank and a longer, fixed, headed shank both projecting from the same side of the plate in the same direction, said shanks being relatively spaced from each other so as to be insertable together in one of such button holes, the short shank being proportioned to receive only one thickness of said neck band and the longer shank being proportioned to receive at the same time both ends of the neck band and both ends of a detachable collar, whereby the neck band may be slackened by reversing the position of the shanks in said neck band button holes.

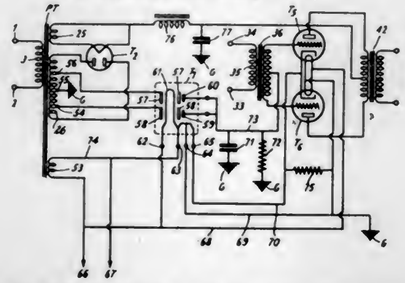
2,152,327
ALTERNATING CURRENT COMMUTATOR MACHINE
Paul Rauhut, Berlin-Karlshorst, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany, a German company
Application March 5, 1937, Serial No. 129,178
In Germany March 2, 1936
12 Claims. (Cl. 172—276)

1. In an alternating current commutator machine, an armature winding of the lap type, a commutator consisting of principal segments connected to the armature winding and of auxiliary or dummy segments, commutator brushes the width of which is such that they can cover at most two segments at the same time, two brushes arranged next to each other and connected to the same potential lead in every commutating zone, one of these brushes making complete contact with one principal segment, the other being in complete contact with an auxiliary or dummy segment, a resistance common to the brushes, all the brushes of the same sign always standing on segments of the same sign of all commutating zones being connected directly in parallel, and



connected across the common resistance to the corresponding potential lead of the machine, and means for making the resistance of the resistance branches greater when the machine is started than when it is running.

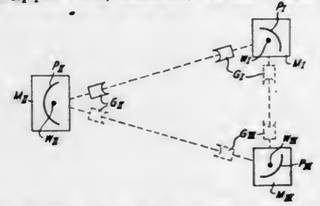
2,152,328
INTERLOCKING CIRCUITS
Otto H. Schade, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 15, 1933, Serial No. 702,451. Divided and this application February 15, 1936, Serial No. 64,050
6 Claims. (Cl. 179—171)



4. In combination, a thermionic tube, means whereby space current in said tube furnishes a grid-biasing potential thereto, additional means for furnishing grid biasing potential to the tube, and means providing connections between said first mentioned and additional means whereby, when the additional means is active, the first mentioned means is automatically rendered inactive.

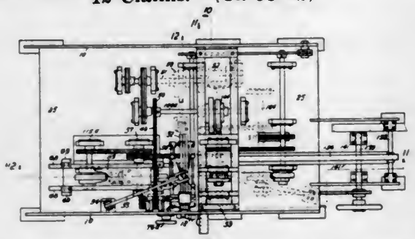
2,152,329
DUPLEX COMMUNICATION APPARATUS
Karl Schüssler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 19, 1937, Serial No. 137,666
In Germany May 8, 1936
6 Claims. (Cl. 250—11)

5. A short wave communication system having a first station equipped with both a relatively narrow angle antenna and a wide angle antenna, receiving and transmitting apparatus at said station, said wide angle antenna being coupled to said receiving apparatus in the absence of communication between said station and a second station, and means at said first station responsive to a predetermined signal received over said wide angle antenna from said second station for disconnecting said last antenna from said receiving apparatus and for connecting same to said transmitting apparatus, whereby a busy signal is sent



out over said wide angle antenna, and additional means at said first station also responsive to said predetermined signal for automatically directing the position of said narrow angle antenna to communicate with said second station.

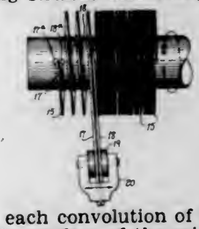
2,152,330
AUTOMATIC WRAPPING MACHINE
Alvin O. Shafer, Lansing, Mich., assignor to Rikerd Lumber Company, Lansing, Mich., a corporation of Michigan
Application November 3, 1934, Serial No. 752,601
12 Claims. (Cl. 93—2)



1. An automatic wrapping machine, including in combination, a forming box having inlet and outlet openings, a plurality of rollers arranged adjacent the edges of each of said openings, a conveyor adapted to transfer a section of wrapping material to a position adjacent the inlet opening of the forming box means independent of said conveyor for engaging the edges of the wrapping material to position it in alignment with said inlet opening, means for positioning an article to be wrapped adjacent said section of wrapping material, and means for pressing the article to be wrapped and the section of wrapping material into and out of said forming box between said rollers.

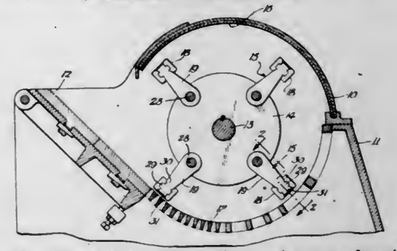
2,152,331
HELICAL-FIN HEAT-EXCHANGE UNIT AND METHOD OF PRODUCTION
Richard W. Shoemaker, Woodbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut
Application October 26, 1936, Serial No. 107,552
6 Claims. (Cl. 113—118)

1. A helical-fin heat-exchange unit comprising: a tubular body-member of copper-base material having a substantially-smooth ungrooved outer surface; a pair of copper-base material complementary helical stabilizing-strands of substantially-rectangular form in cross-section extending around the exterior of the said body-member in intimate thermal engagement with the ungrooved outer surface thereof and spaced apart to snugly accommodate a fin between them; and a helical fin of copper-base material extending around the exterior of the said body-member and having its inner edge portion positioned between the said complementary substantially-rectangular stabilizing-strands; the said stabilizing-strands also being spaced apart



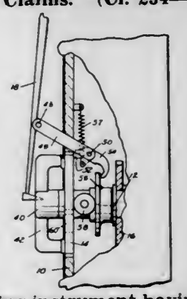
intermediate each convolution of the said helical fin to leave the surface of the said body-member free for the access of air or other fluid thereto, and the said copper-base stabilizing-strands having a melting-point substantially corresponding to the melting-point of the said fin.

2,152,332
HAMMER FOR IMPACT PULVERIZERS
Forrest E. Smith, Chicago, Ill.
Application March 11, 1937, Serial No. 130,223
6 Claims. (Cl. 83—11)



1. An impact hammer for rotary pulverizers comprising, in combination, a one-piece hammer tip formed with a channel opening in one end, said channel being cruciform in cross section and having restricted throats opening respectively to opposite sides of said tip, a hammer arm adapted to extend selectively through either one of said throats and having an enlarged head slidably disposed in said channel between said throats, and a projection on the outer end of said head slidably disposed in the other of said throats.

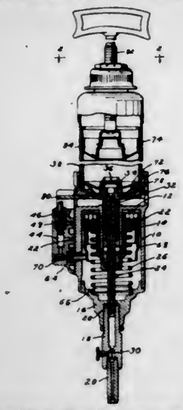
2,152,333
RECORDING INSTRUMENT
Albert F. Spitzglass and Otto T. Handwerk, Chicago, Ill., assignors to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application June 18, 1937, Serial No. 148,850
14 Claims. (Cl. 234—72)



3. A recording instrument having a chart-driving central post, chart holding means including

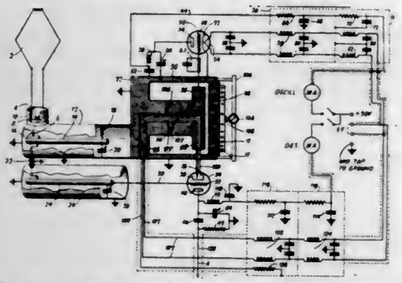
a part rotatably carried by said post, a pen for making a record on the chart, a pen lifter, means slidably carried by said post for operating said pen lifter and means operated by rotation of said part on the post and connected to said last named means to slide said last named means on the post thereby to operate the pen lifter.

2,152,334
LUBRICATING DEVICE
Harry R. Tear, Des Moines, Iowa, assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Illinois
Application January 5, 1938, Serial No. 183,444
17 Claims. (Cl. 221—47.4)



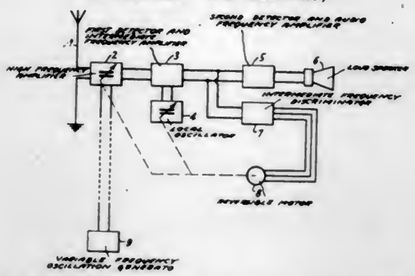
1. A lubricating device comprising, a lubricant supply source, a pump movably connected to said supply source, power means for operating said pump, control means for the power means and means operated by a thrust on said supply source toward the pump to operate the control means.

2,152,335
SHORT WAVE SYSTEM
Bertram Trevor and Ralph W. George, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application December 6, 1935, Serial No. 53,136
Renewed October 1, 1938
16 Claims. (Cl. 250—20)



12. An oscillator-detector circuit for short waves comprising a metallic cylinder having a closed-off base, a metallic projection extending from said base internally of said cylinder, means for varying the capacity between said projection and said cylinder, an oscillator tube having a grid, a cathode and a plate, means including a resistance and a condenser connecting said grid to said projection, a low resistance direct current connection connecting said cathode to said cylinder, a tuned circuit including a coil and a variable condenser connecting said plate to said cylinder, a detector tube having a cathode, a heater for said cathode, a grid and a plate, the leads for said cathode and heater extending through openings in said cylinder and conduits within said base and projection whereby said cathode fluctuates in potential at a high frequency, means for subjecting the grid of said detector tube to high frequency potentials while maintaining it at ground direct current potential, and a circuit tuned to a beat frequency connected to the anode of said detector tube.

2,152,336
METHOD AND DEVICE FOR REMOTE TUNING OF RADIO RECEIVING APPARATUS
Carel Jan van Loon, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application June 11, 1937, Serial No. 147,681
In Germany July 27, 1936
2 Claims. (Cl. 250—40)

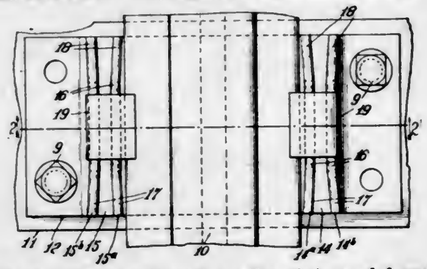


2. In a radio receiver provided with means for automatically compensating for frequency drift by varying the frequency to which the radio receiver is tuned in accordance with deviations between the frequency of the desired incoming signal and the frequency to which the receiver is tuned when receiving the signal, the method of tuning the radio receiver from one point of a frequency band to another which consists in generating local oscillations of a frequency which is approximately equal to the frequency to which the radio receiver is tuned and applying the locally generated oscillations to an intermediate input circuit of the receiver and continuously varying the frequency of the locally generated oscillations while applying them to the radio receiver to cause operation of the said means whereby the radio receiver is tuned as the frequency of the generated oscillations is varied and discontinuing the application of the generated oscillations to the radio receiver at a point where the frequency of the generated oscillations is approximately the same as the frequency of the signal energy emanating from a desired broadcasting station.

2,152,337
RAIL RETAINING TIE PLATE
Harold G. Warr, Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware
Application September 21, 1936, Serial No. 101,796
11 Claims. (Cl. 238—304)

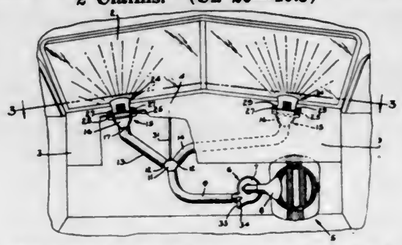
1. A rail-retaining tie plate comprising, in combination, a rolled metal base plate having a seat portion for a rail and formed at either side of the

seat with a pair of ribs which extend longitudinally of the seat, the upper edges of the ribs of each pair being bent toward each other at angles which progressively increase relative to the base for a portion of their length, and rail-retaining members provided with portions supported on said ribs and overlying the longitudinal edges of



the rail base positioned on the plate and formed with means adapted to extend between said ribs of the plate and movable lengthwise of the ribs into binding engagement with the inturned upper portions thereof whereby the retaining members are held interlocked with the upper edges and inner surfaces of said ribs.

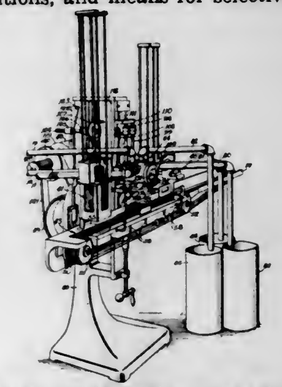
2,152,338
WINDSHIELD DEFROSTER
Carl H. Will, Minneapolis, Minn., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn., a corporation of Delaware
Application March 20, 1937, Serial No. 132,065
2 Claims. (Cl. 20—40.5)



1. A nozzle for a defroster comprising a lower body portion having an intake opening adapted to be connected to a suitable source of heat, said body portion having an elongated flattened discharge opening, the wall of which is adapted to be inserted through a correspondingly shaped opening in the wall of the instrument panel of a vehicle, and a deflector adapted to be fitted against the upper portion of the instrument panel and having means for securing it to said lower body portion, whereby the instrument panel is clamped between said body and deflector, thereby to secure the nozzle in position adjacent to the windshield.

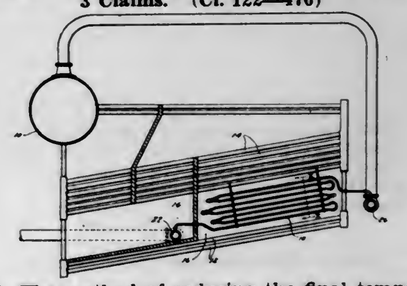
2,152,339
METHOD OF AND APPARATUS FOR PACKAGING MATERIALS
Swan F. Anderson, Rockford, Ill.
Application March 2, 1936, Serial No. 66,624
20 Claims. (Cl. 226—99)

1. In combination with a machine for delivering a liquid under pressure in a continuous flow, filling means including a valve movable to open and closed positions for periodically interrupting the flow of liquid delivered thereto under pressure exerted on the liquid by said machine, conveying means for presenting successive containers to said filling means, power driving means for periodically actuating said valve to its open and closed positions, and means for selectively vary-



ing the speed of said driving means to vary the duration of the open periods of said valve and thereby vary the quantity of material discharged under the pressure exerted thereon by said machine.

2,152,340
SUPERHEATER BOILER
Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Application January 24, 1933, Serial No. 653,254
3 Claims. (Cl. 122—476)



1. The method of reducing the final temperature of steam from a superheater having a plurality of units including heat absorbing elements extending adjacent each other in determined spaced relation which comprises spacing at least portions of certain adjacent elements so close together as to materially lessen the effect of the gases thereon under given conditions as compared with the effect of the gases thereon under like conditions when in said determined spaced relation.

2,152,341
CORE CATCHER
Carl Francis Baker, Taft, Calif.
Application April 25, 1936, Serial No. 76,476
Renewed December 30, 1938
5 Claims. (Cl. 255—72)

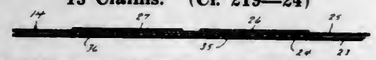
1. In combination with a core drill, a core catcher comprising an outer housing having a connection at its lower end for the core drill and a connection at its upper end for a drill string by which the structure is supported, means being provided to permit the flow of fluid from the drill string through the core catcher and into the well, core retaining means within the housing, a core barrel associated therewith and into

which a core may be projected as it is cut, means permitting a circulation of fluid upwardly through the core barrel and preventing a down flow of fluid through the core barrel, a cross head slidable within the housing and carrying the core barrel and core retaining means, an operating tube slidable within the housing and through which a circulation of drilling fluid may normally take place, a valve seat at the upper end of the oper-



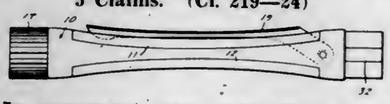
ating tube and carried thereby, means creating a fluid seal between the bore of the housing and the upper end of said operating tube whereby the flow of fluid around the tube will be prevented, and a valve member adapted to be dropped through the drill string to rest upon the valve seat and prevent circulation of drilling fluid whereby the downward pressure of said fluid will move the operating tube and the cross head to actuate the core retaining means.

2,152,342
PERMANENT WAVING MECHANISM
Frederick K. Bezzenberger, Cleveland Heights, Ohio, assignor to Adolf Kietz, Bellevue, Wash., and Phil D. Spaeth, Cincinnati, Ohio
Application July 2, 1936, Serial No. 88,620
13 Claims. (Cl. 219—24)



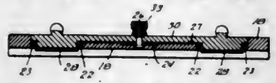
9. An electrolytic heating means for permanent hair waving comprising a pair of electrolytic heating cells connected in series each consisting of a pair of sheet metal electrodes separated by a sheet of electrically non-conductive, liquid sustaining material, a single sheet of metal constituting one electrode of each cell and a single sheet of said liquid sustaining material constituting the separators for both cells.

2,152,343
PERMANENT WAVING APPARATUS
William H. Brown, Bedford, Ohio, assignor to Adolf Kietz, Bellevue, Wash., and Phil D. Spaeth, Cincinnati, Ohio
Application February 26, 1936, Serial No. 65,888
5 Claims. (Cl. 219—24)



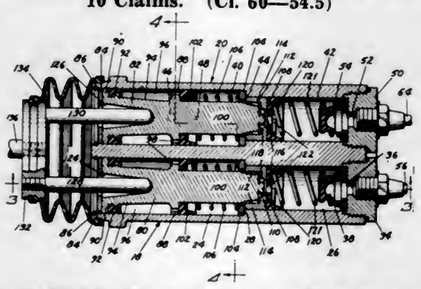
3. In permanent wave mechanism, a curler rod having spaced, longitudinally extending electrode elements on the outer surface thereof and means for connection of one side of a source of current to each, said electrodes having a pair of adjacent edges diverging toward an end of the curler rod whereby to produce a greater heating effect centrally than at said end.

2,152,344
PERMANENT WAVING DEVICE
William H. Brown, Bedford, Ohio, assignor to Adolf Kietz, Bellevue, Wash., and Phil D. Spaeth, Cincinnati, Ohio
Application February 24, 1937, Serial No. 127,476
2 Claims. (Cl. 219—24)



1. In a clip for electrolytic heating of wound curls in permanent waving, an electrode contact carrying element having a depression formed in one face thereof and an opening extending from the bottom of said depression through said element, a permanent contact in said depression, a removable electrode contact received in said depression and having a projection extending through said opening, sealing means surrounding said projection for prevention of passage of vapors through said opening and a retaining element overlying said electrode and substantially closing said depression.

2,152,345
FLUID PRESSURE BRAKING SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 17, 1936, Serial No. 101,201
10 Claims. (Cl. 60—54.5)

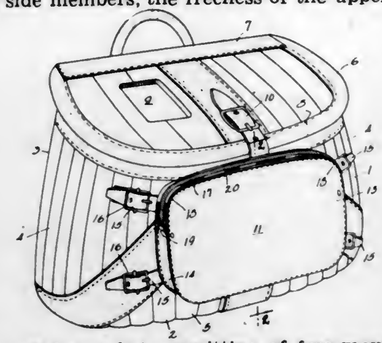


1. A fluid braking system comprising a pair of interconnected fluid pressure producing devices each including a large chamber and a small chamber, said large chambers being interconnected and each of said small chambers being provided with an outlet, and means operative upon attaining a balanced pressure in the chambers to segregate a large chamber from a small one.

2,152,346
FISH BASKET
Laurence M. Dickson, San Francisco, Calif.
Application September 8, 1937, Serial No. 162,899
3 Claims. (Cl. 43—31)

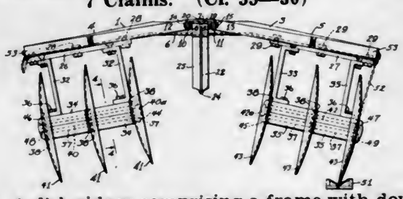
1. In combination, a fish basket, a pocket secured upon the basket so as to leave the upper edge and part of the end sections of both the front and rear members of the pocket free of the basket for defining free flaps having independent movement toward and away from the basket, the upper section presenting two flexible and separable side members giving access to the pocket,

and means movable from one end of the pocket to the other for interlocking the upper edges of the side members, the freeness of the upper sec-



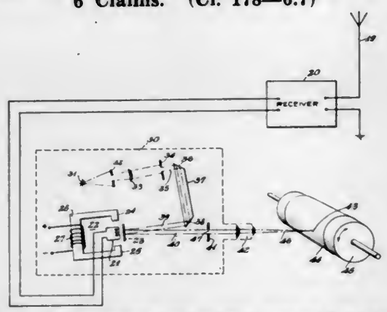
tion of the pocket permitting of free movement of the upper edges during the interlocking operation relative to one another and relative to the basket.

2,152,347
DISK RIDGER
Gilio Ferraro, Hollister, Calif.
Application May 4, 1937, Serial No. 140,665
7 Claims. (Cl. 55—30)



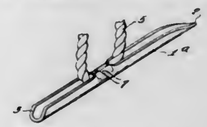
1. A disk ridger comprising a frame with downwardly inclined ends, two sets of disks, a separate support for each set, each support being placed beneath one of the downwardly inclined ends for disposing the outermost disk in each set at a lower level than the innermost disk of the same set, and means for adjustably securing the supports to the frame for positioning the sets of disks nearer or further away from the center of the frame, the downwardly inclined ends acting as positioning means for holding the disk sets at the same inclined angles, regardless of the distance that separates them from the frame center.

2,152,348
TELEPICTURE RECORDING SYSTEM
William G. H. Finch, New York, N. Y.
Application August 7, 1936, Serial No. 94,730
6 Claims. (Cl. 178—6.7)



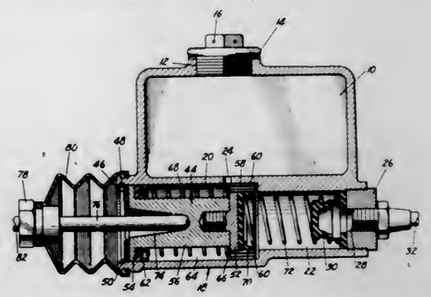
1. In a telepicture recorder: means for producing a square light beam having a predetermined width comprising an exciter lamp, a square aperture, a condensing lens, and prism means for reflecting said beam 180 degrees; a disc having a square opening; means for reflecting said square light beam through said opening including a mirror; said aperture, condensing lens and prism means being inclined at an angle with respect to said disc for preventing interference of the reflected beam with the beam producing means, the dimensions of said opening being substantially equal to that of said reflected beam section; means for deflecting said mirror in accordance with received telepicture signals for passing correspondingly variable sections of said reflected light beam through said opening; means for condensing the light passing through said opening into a light spot upon a light sensitive record sheet; and means for scanning said light spot across said sheet.

2,152,349
TAG FASTENING DEVICE
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 7, 1936, Serial No. 114,609
9 Claims. (Cl. 40—20)



1. An article of the class described comprising a tag, a retainer and a string loop connecting the tag and retainer, said retainer having a tubular intermediate part through which a portion of the string loop extends with adjoining string portions extending from the ends of said part, the retainer having shallow channel portions merging into the tubular part and disposed at opposite sides thereof in substantial alignment therewith.

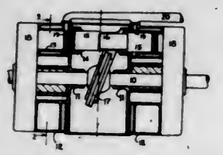
2,152,350
FLUID PRESSURE PRODUCING DEVICE
Clarence V. Gardner, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 30, 1937, Serial No. 151,106
6 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a double diametral cylinder, a piston reciprocable therein, a ring on the head of the piston movable axially with relation thereto, means for advancing the ring with the piston during the initial movement of the piston on its compres-

sion stroke and for retaining the ring against the shoulder at the junction of the large and small chambers of the cylinder as the piston proceeds on its compression stroke, means for returning the piston to its retracted position, and a sealing cup on the head of the piston received by the ring when the piston is in its fully retracted position.

2,152,351
ENGINE MECHANISM
Edwin S. Hall, New Haven, Conn.
Application February 8, 1938, Serial No. 189,402
5 Claims. (Cl. 123—58)

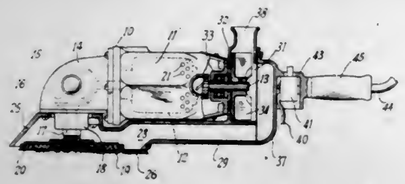


2. In a parallel cylinder Diesel engine, a shaft, cylinders spaced about and parallel to said shaft in two similar groups facing each other, double-ended piston members connecting and operable in corresponding cylinders of said two groups, and operable connections located between said groups of cylinders and connecting the central portions of said piston members with said shaft, each of said piston members and associated reciprocating parts of said operable connections having an effective reciprocating mass defined by the following relationship:

$$M=\frac{(1200 \text{ to } 1500)\ P}{S\times N^2}$$

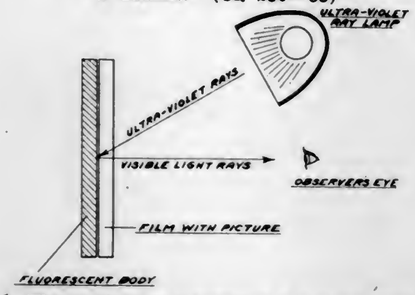
in which:
P=maximum fluid pressure operating on each end of any piston member during normal operation;
S=number of inches in the piston stroke;
N=rev./min. rated engine speed; and
M=effective reciprocating mass of each piston member and associated parts.

2,152,352
ELECTRIC SURFACING TOOL
William E. Holt, Livingston, N. J.
Application October 19, 1937, Serial No. 169,792
6 Claims. (Cl. 51—170)



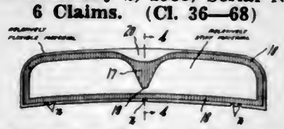
1. A portable surfacing tool comprising an electric motor having a horizontally arranged armature shaft, a vertical spindle at one end of said armature shaft and having a surfacing element on its lower end, and gearing operatively connecting said armature shaft and spindle, a dust hood surrounding said surfacing element, a fan chamber at the opposite end of said armature shaft, an exhaust fan in said chamber, and a dust conduit extending below said motor and connecting said dust hood and fan chamber.

2,152,353
ROENTGEN PHOTOGRAPHY
Hans Lewin, Hamburg, Germany
Application April 16, 1936, Serial No. 74,791
In Germany April 25, 1935
2 Claims. (Cl. 250—53)



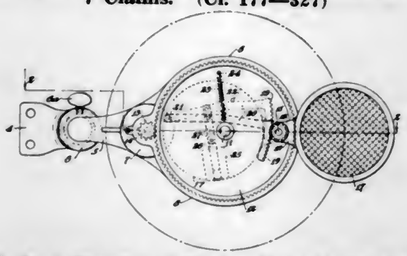
1. The method of inspecting a picture pervious to visible light, which consists in placing said picture with one of its sides in proximity to a converting surface adapted to become fluorescent under the influence of ultra-violet light, exposing said picture to ultra-violet light which first impinges upon the other side of said picture and then passes through said picture to strike said converting surface and thereby convert the invisible ultra-violet light into visible light which passes through said picture in the reverse direction to said ultra-violet light, and viewing said picture by direct inspection from said other side.

2,152,354
SHOE COUNTER
Ethel W. Maclean, Bayside, Long Island, N. Y., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application February 2, 1938, Serial No. 188,328
6 Claims. (Cl. 36—68)



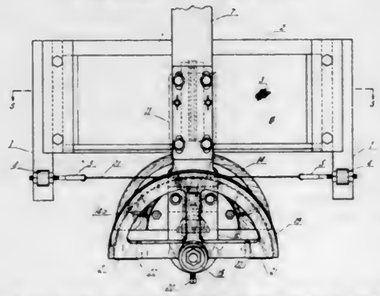
1. A shoe counter skived at its marginal portions and locally at its back wall over a zone extending from its upper edge much farther inwardly.

2,152,355
DIRECTION INDICATOR FOR VEHICLES
William P. MacMicking, St. Paul, Minn.
Application October 24, 1936, Serial No. 107,431
7 Claims. (Cl. 177—327)



3. In a direction indicator for vehicles, a substantially cylindrical casing, a rotary member mounted in said casing, a signal movably mounted on said rotary member, said signal being extensible to project from and adjacent to the outer periphery of said casing, power-driven means for rotating said member and means for extending and retracting said signal on said member.

2,152,356
APPARATUS FOR DECORATING GLASSWARE
George W. Meyer, Glenshaw, and Samuel E. Shackelford, Westview, Pa.; said Shackelford assignor to said Meyer
Application March 14, 1938, Serial No. 195,840
3 Claims. (Cl. 101—124)



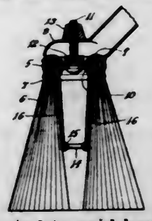
1. Apparatus for decorating bottles or the like, comprising a screen mounted to be movable in contact with the cylindrical or main body portion of the bottle and a screen mounted to be movable in contact with the shoulder or neck portion of the bottle, means for moving said first-named screen over the bottle, and means operative with and in response to the movement of said first-named screen for actuating the second named screen whereby both imprints of the screens are made on the body and shoulder portion of the bottle simultaneously.

2,152,357
PROCESS FOR MANUFACTURE OF CHLORINATED HYDROCARBONS
Wendell W. Moyer, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application January 3, 1936, Serial No. 57,369
15 Claims. (Cl. 260—650)

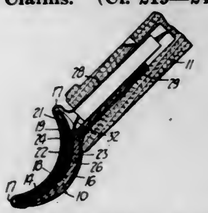
1. In the chlorination of a compound of the group consisting of hydrocarbon compounds and halogenated hydrocarbon compounds containing a hydrogen atom replaceable by chlorine and hydrocarbon compounds and halogenated hydrocarbon compounds containing an unsaturated linkage, the improvement which comprises passing a gaseous mixture of the compound with nitrosyl chloride, in amount sufficient to chlorinate a substantial proportion of said compound, through a reaction zone wherein it is heated to a temperature above about 200° C. and below the temperature at which substantial thermal decomposition of either the compound or chlorination product occurs at a space velocity between 100 and 1000 cubic feet of reaction mixture, reduced to normal temperature and pressure, per hour per cubic foot of reaction space.

2,152,358
BRUSH
Louis Palmeri, Wethersfield, Conn.
Application April 26, 1937, Serial No. 138,885
7 Claims. (Cl. 15—168)

1. In combination with a brush of the character described comprising a head, bristles mounted in said head, and separate clamping means including an upper and a lower clamping plate connected to said head; a separate bar secured to said lower plate in position between said bristles.

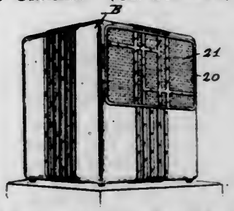


2,152,359
HAIR WAVING HEATER
Alexander M. Poniatoff, Mill Valley, Calif.
Application June 20, 1936, Serial No. 86,293
4 Claims. (Cl. 219—24)



3. In a hair waving heater, a metallic member adapted to have one face of the same applied to a moistened strand of wound hair, an electrical heating element adjacent the other face of said member, said element being formed of a ballast resistor wire and having metal walls covering both faces of the same, said metal walls being in good heat conductive relationship with said metallic member.

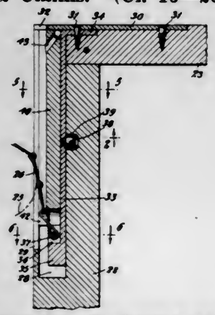
2,152,360
HUMIDIFYING AND COOLING APPARATUS
Raymond A. Robic, Outremont, near Montreal, Quebec, Canada
Application October 27, 1937, Serial No. 171,330
5 Claims. (Cl. 261—92)



1. A humidifying and cooling apparatus comprising a casing adapted to provide a fluid reservoir in the bottom portion thereof, the said reservoir having inlet and outlet openings in the upper rear and front portions, a support member supported transversely in the casing, a sleeve secured on the intermediate portion of the support member, an arm extending forwardly from the sleeve having a bearing element thereon, a bracket extending rearwardly from the sleeve formed with a shaft bearing, a longitudinally extending shaft journalled in the said bearings, a motor mounted on the bracket, a blower fan in the rear portion of the casing operatively connected with the motor, speed reduction gearing between the drive shaft of the motor and the

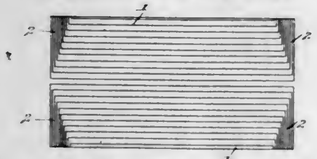
longitudinal shaft, a rotor core secured on the longitudinal shaft, a spiral coil of sheet material wound about the core having resilient folded projections spacing the convolutions of the coil, and a ring secured about the periphery of the coil.

2,152,361
SLIDABLE SASH SUPPORT REPLACEMENT DEVICE
August Ruesch, New York, N. Y.
Application March 22, 1938, Serial No. 197,328
2 Claims. (Cl. 16—202)



1. In a device for attaching a counter-weighted flexible connection to a window sash, said sash having an undercut longitudinal groove in the upper portion of its side edge, a bar fixed in the sash groove, a dowel set in said bar to engage a corresponding opening in the sash, means at the bottom of said bar to engage said flexible connection, a filler strip having a grooved outer face through which said connections pass, and means to retain said bar within the groove.

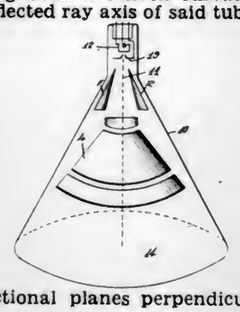
2,152,362
DEFLECTING COIL FOR CATHODE RAY TUBES
Ernst Ruska, Berlin-Zehlendorf, Germany, assignor to the firm Fernseh Aktiengeselischaft, Zehlendorf, near Berlin, Germany
Application September 16, 1936, Serial No. 101,173
In Germany September 30, 1935
5 Claims. (Cl. 250—156)



1. In combination with a cathode ray tube, means for producing a ray deflecting field having a controlled intensity distribution in a plane normal to the undeflected ray axis, comprising deflecting coils having a plurality of turns, each turn having a plurality of turns, each turn having side conductors disposed parallel to the undeflected ray axis of said tube and end conductors concentric about said axis, said side conductors defining a cylindrical surface.

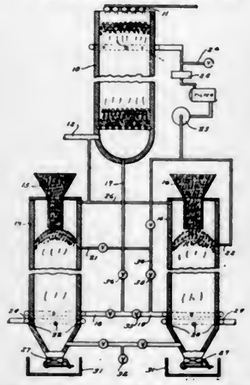
2,152,363
DEFLECTING DEVICE FOR BRAUN TUBES
Ernst Ruska, Berlin-Zehlendorf, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application December 6, 1935, Serial No. 53,264
In Germany December 12, 1934
4 Claims. (Cl. 250—159)

1. An electrostatic ray deflecting device for a cathode ray tube, consisting of two deflecting plates having each a convex curvature relative to the undeflected ray axis of said tube as defined



by cross-sectional planes perpendicular to said axis.

2,152,364
RECOVERING VALUES FROM PHOSPHATE ROCK
Warren R. Seyfried, Tampa, Fla.
Application March 22, 1937, Serial No. 132,258
8 Claims. (Cl. 23—88)

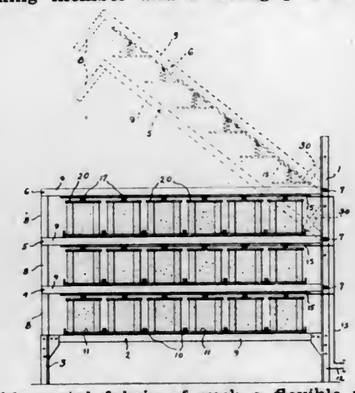


1. The process comprising passing HCl containing gases through an absorption tower employing an aqueous absorption medium, leaching phosphate rock with the HCl solution thus obtained, collecting the volatilized constituents from the leaching operation and passing said volatilized constituents through the absorption tower with the HCl containing gases to absorb the volatilized fluorine compounds therein, and utilizing in part the solution from the leaching step as the aqueous absorption medium.

2,152,365
STRUCTURE FOR ELECTRICALLY CURING OR HARDENING MOIST WORKPIECES
James Miller Smith, Detroit, Mich., assignor to The Technical Development Corporation, Detroit, Mich., a corporation of Michigan
Application February 3, 1937, Serial No. 123,823
7 Claims. (Cl. 219—19)

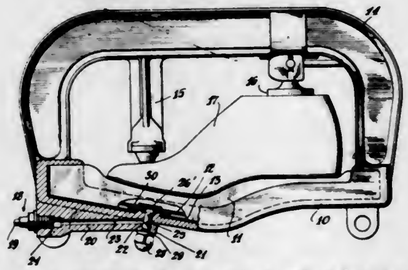
6. In a device for hardening or curing a work piece formed from a mix moistened or wetted with water, and which work piece has the characteristic of maintaining its geometric form during the hardening thereof, the combination of a metallic support for the work piece constituting an electrical conductor and connected to electrical conducting means, another conducting member adapted to be placed into contact with another surface of the work piece under pressure and which is connected to electrical conducting

means whereby current may pass through the work piece, said conducting member comprising, a backing member and a facing pad of com-



pressible metal fabric of such a flexible nature as to adapt itself to the irregular surface of the work piece.

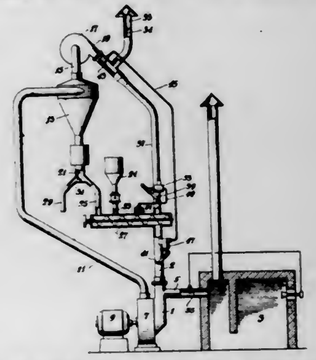
2,152,366
SHOE PRESS
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application September 2, 1937, Serial No. 162,131
8 Claims. (Cl. 12—36)



1. In a press having a pad carrying frame and an inflatable pressure pad carried thereby, the combination comprising, a press frame wall adjacent said pad and having an opening therethrough, a hollow throat member in said opening having an open end communicating with the interior of said pad, said press having a conduit communicating with said wall opening, said throat member having an aperture leading to its interior and located in said wall opening in position to receive fluid from said conduit, a flange on the inner end of said throat member overlying the interior wall of said pad, a gasket surrounding said throat member between said pad and press wall, an outer gasket surrounding said throat member adjacent the outer side of said press wall, and a single tightening nut threadable over the outer end of said throat member to tighten both said gaskets in sealing relation at the ends of said press wall opening.

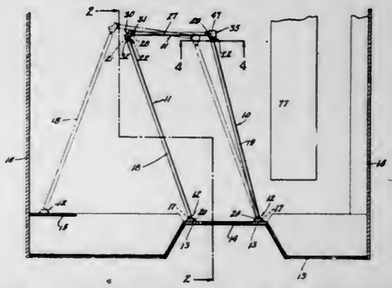
2,152,367
DRYING APPARATUS
Alfred R. Smith, Forest Hills, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application April 13, 1938, Serial No. 201,681
5 Claims. (Cl. 34—34)

1. In apparatus of the kind described, the combination of a drying and pulverizing mill, a furnace, a duct from the furnace to the mill to supply drying gases, a mixing device, means to deliver to the mixing device raw wet material to be treated, means to deliver to the mixing device treated dried material to be mixed in the mixing device with the raw material, a separator, a fan, a duct carrying the mixed material from the mixing device to the mill, a duct to convey



the gases and material from the mill to the separator, means to conduct the gases from the separator to the inlet of the fan, a duct from the outlet of the fan to the mixing device, damper means in the duct to the mixing device, and damper means in the duct from the mixing device, whereby the pressure in the mixing device can be adjusted to a point differing slightly from atmosphere.

2,152,368
ENCLOSURE
Joseph A. Volk, Wilton, Conn.
Application January 28, 1938, Serial No. 187,440
13 Claims. (Cl. 135—5)

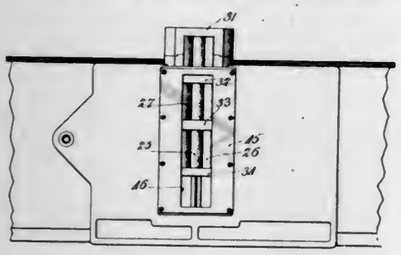


1. An enclosure comprising at least two shafts in angular position to one another; at least one sheet of flexible material secured to one of said shafts; means for connecting said shafts to one another to permit angular motion of said shafts relative to each other in any direction; and means for rotating said shafts simultaneously, for winding and unwinding said sheet.

2,152,369
FILM MAGAZINE
Lloyed E. Whittaker, Hollywood, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application August 10, 1937, Serial No. 158,311
8 Claims. (Cl. 88—17)

1. A magazine for motion picture film having in one side an opening through which film may

be fed and in another side, adjacent said opening, a socket to receive a light-excluding unit from the latter side, said unit comprising a casing having inner and outer light-excluding ends



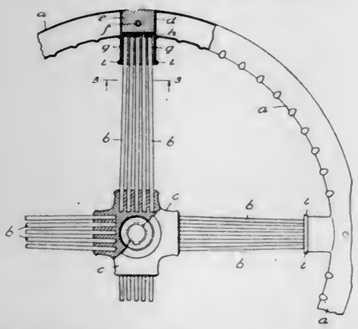
and means in the casing for guiding the film, and means for securing said unit in the socket, said inner end being smaller than the socket so that the unit may be removed endwise through said latter side without disassembling the unit.

2,152,370

HAND STEERING WHEEL

Frank George Woollard, Smethwick, near Birmingham, England, assignor to The Birmingham Aluminum Casting (1903) Company Limited, Smethwick, near Birmingham, England, a British company

Application September 7, 1937, Serial No. 162,591
In Great Britain November 30, 1936
15 Claims. (Cl. 74—552)



1. A steering wheel having a rim, a central attachment boss, a number of spokes each built up of a number of resilient wires anchored in the boss, and means for attaching the resilient wires to the rim so as to allow them end movement with respect to the rim, said means comprising a metal sleeve for each spoke secured to the rim, and a rubber block having bores for the wires fitted in the sleeve.

2,152,371

PREPARATION OF PENTAERYTHRITOL

Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application October 8, 1937, Serial No. 168,066
8 Claims. (Cl. 260—635)

1. The condensation of formaldehyde and acetaldehyde to pentaerythritol in the presence of a mixture of a member of the group consisting of the alkali metal and alkaline earth metal hydroxides and a tetraalkylammonium hydroxide.

2,152,372

NITRATED PENTAERYTHRITOL MOTHER-LIQUOR

Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application November 4, 1938, Serial No. 238,804
11 Claims. (Cl. 52—5)

1. The process of nitrating the syrup remaining after the separation of the pentaerythritols from the reaction mixture produced in the commercial pentaerythritol alkaline condensation of formaldehyde and acetaldehyde, comprising the treatment of this syrup with a nitrating acid at a temperature below 30° C.

5. The nitrated product resulting from the nitration of the substantially pentaerythritol-free syrup produced in the commercial alkaline condensation of formaldehyde and acetaldehyde.

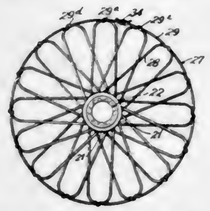
8. An explosive comprising the syrupy nitrated product resulting from the nitration of the substantially pentaerythritol-free syrup produced is the commercial alkaline condensation of formaldehyde and acetaldehyde.

2,152,373

VALVE STEM AND METHOD OF CONSTRUCTING SAME

Adelbert E. Bronson, Shaker Heights, and William F. Goff, Akron, Ohio, assignors to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 26, 1935, Serial No. 56,220
16 Claims. (Cl. 154—14)



1. A method of constructing a valve stem for inflatable rubber articles which comprises mounting the tubular stem proper in a suitable fixture and then while the stem proper is held in the fixture fashioning directly on the inner end of the stem proper a flexible base by forming a plurality of radially extending cord loops the inner ends of which turn about and tightly engage the stem proper, and interconnecting the outer ends of the loops by a cord extending circumferentially of the base and turned about the bight of the loops.

11. A valve stem for an inflatable rubber article comprising a stem proper and a flexible base, said base having a plurality of radially extending cord loops the inner ends of which tightly embrace said stem proper.

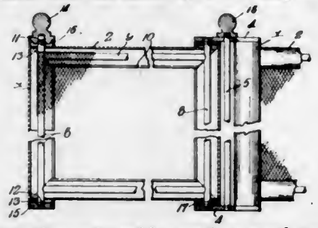
2,152,374

FRAME FOR FIRE SCREENS, ETC.

Leland M. Burr, Jr., Lincoln, Mass., assignor to Cutter Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application April 26, 1937, Serial No. 138,952
16 Claims. (Cl. 189—36)

1. A frame for firescreens and other articles comprising longitudinal and transverse frame members one of which is provided with an inwardly facing slot, a portion of the slot being enlarged to receive the end of the second of

said members, said end having an opening extending therethrough within and lengthwise of the first member, a rod extending lengthwise within said first member and having a portion



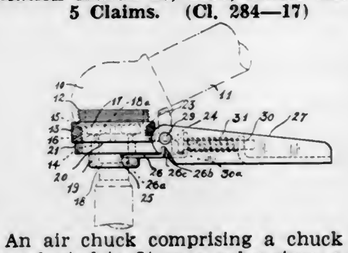
projecting through said opening, and means interfitting with said projecting portion and with the end of said first member for securing the parts together.

2,152,375

CHUCK CLIP

John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 10, 1937, Serial No. 130,050
5 Claims. (Cl. 284—17)



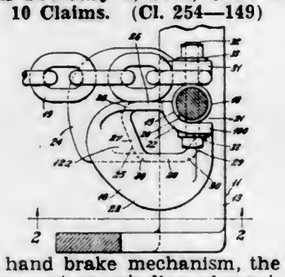
1. An air chuck comprising a chuck head, a sleeve adapted to fit on a valve stem, a member connecting said head and sleeve, slidable means associated with said sleeve for locking the chuck in position upon the valve stem, and means for actuating said slidable means including a ring supported by said sleeve and an operating handle pivoted on said ring and having a portion operatively associated with said slidable means and functioning upon movement of said handle to positively actuate said slidable means in one direction.

2,152,376

HAND BRAKE

George F. Endicott, St. Paul, Minn., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application February 1, 1936, Serial No. 61,972
10 Claims. (Cl. 254—149)



1. In a hand brake mechanism, the combination with a rotary winding element having a winding surface concentric with the axis of rotation thereof; of a quick take-up member on said element having a winding portion projecting beyond the winding surface of said element, said quick take-up member having a vertical opening, said opening extending entirely through one side of said member to permit entrance of said element sidewise into said opening; and means for securing said member to said element.

2,152,377

DEPTH GAUGE FOR RAKES

Frank Friedheim, Minneapolis, Minn.
Application May 3, 1937, Serial No. 140,303
2 Claims. (Cl. 55—10)

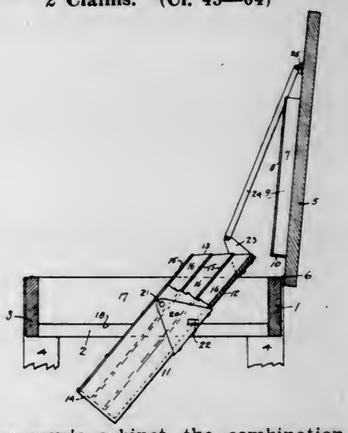


2. A rake comprising an elongated, concavely curved sheet metal rake head having at its lower edge a multiplicity of longitudinally contiguous triangular-shaped sheet metal teeth forming triangular-shaped notches between them, a handle secured to said rake head and a pair of depth gauge members one mounted at each end of said head, said depth gauge members extending downwardly from above said teeth adjacent said head for some little distance and having lower runner portions projecting in advance of the teeth relative to the direction of raking movement of the rake over the ground.

2,152,378

PIANO BENCH MUSIC CABINET

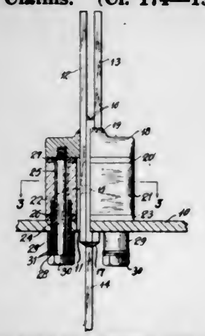
William H. Gelbaugh, Tacoma, Wash.
Application August 19, 1937, Serial No. 159,888
2 Claims. (Cl. 45—64)



1. In a music cabinet, the combination of a supporting frame; a lid hingedly secured to said frame; a music holder pivotally mounted in said frame the longitudinal axis of said pivots being positioned adjacent the top edge of said music holder whereby, the said music holder, while substantially filling the lower portion of the space contained by said frame, is unbalanced therein and tends to swing on its pivots from its horizontal position to its inclined position; and a long link connecting the upper portion of said lid to the rearward end of said music holder whereby, when the lid is closed the music holder is in a horizontal position in the frame with its open rearward end lying adjacent the hinge of said

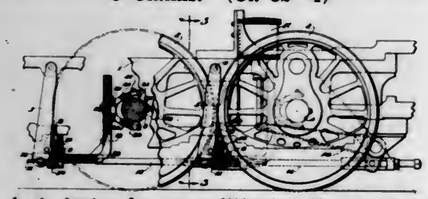
lid and when the lid is raised the music holder is tipped into a rearwardly inclined position in said frame.

2,152,379
TERMINAL MOUNTING
Lealdas W. Haig, Warren, Ohio, assignor to The Standard Transformer Company, Warren, Ohio, a corporation of Ohio
Application August 7, 1937, Serial No. 157,945
4 Claims. (Cl. 174—151)



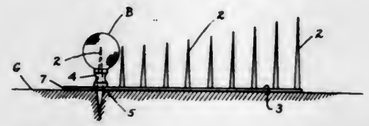
4. In a terminal mounting for a transformer casing having an opening therethrough, a terminal of smaller cross-section than said opening adapted to extend through the opening into the casing without touching the latter, a tubular insulation block surrounding the terminal outwardly of the casing spaced away from the terminal, a metal cap fitted tightly to the terminal outwardly of said block, fastenings extending through the casing and block and into a downwardly opening socket in said cap, said block serving as a spacer between said cap and said casing, and insulation means arranged to prevent the grounding of said cap through said fastenings.

2,152,380
WHEEL MACHINING APPARATUS
Frank L. Hall, Cincinnati, Ohio
Application November 5, 1938, Serial No. 239,106
8 Claims. (Cl. 82—4)



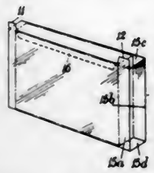
1. A device for reconditioning the worn tread or tire of wheels of a railway vehicle having brake mechanism including brake heads, each having a brake shoe mounted thereon to engage with the wheel tread upon applying the braking pressure, comprising, a tool holder substituted for a brake head having a transverse groove in a face thereof adjacent the tread of the wheel for the reception of a metal cutting tool, a cutter in said groove to act upon the tread of the wheel, an arm extending from the holder at one side of the cutter to engage the wheel tread and a radius connection interposed between the axle of the wheel and the tool holder for regulating and controlling the cutter relative to the wheel tread when the pressure is applied to the brake mechanism, bringing the cutter into action to effect a cutting operation upon rotation of the wheel.

2,152,381
STROKE PERFECTING DEVICE FOR GOLFERS
Howard Harpster, Mount Lebanon, Pa., assignor of one-third to Joseph C. Keaney, Mount Lebanon, Pa., and one-third to James M. Guthrie, Pittsburgh, Pa.
Application July 29, 1938, Serial No. 221,999
3 Claims. (Cl. 273—35)



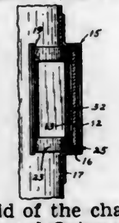
1. A device for use with a golf-ball supported in position to be driven, said device including a flat base adapted to rest on the ground, an elongate index on the face of the base directed to the point of support of the ball for indicating in plan the proper path through which to swing the head of a club, and a guiding vane that is carried by the base, that rises above the surface of the base, that is spaced laterally from said point of support of the ball and extends rearward therefrom in substantial parallelism with said index, and that is delicately yieldable laterally of and in direction of extent of the vane in response to impact of the head of such club.

2,152,382
WRAPPING OF CIGARETTES AND OTHER ARTICLES
George Daniel Horgan, London, England, assignor to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 6, 1937, Serial No. 129,370
In Great Britain April 8, 1936
6 Claims. (Cl. 229—51)



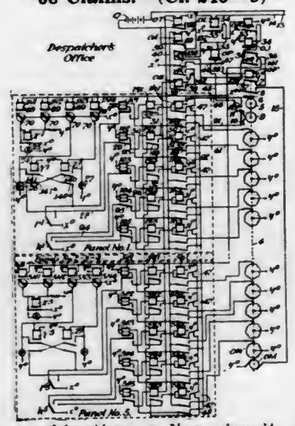
1. An enwrapped package of the class described; said package comprising a cigarette carton or like packet of substantially rectangular contour having front and rear face panels, sides, and ends, defined by substantially straight lengthwise edges and straight transverse edges intersecting the longitudinal edges at right angles; and a wrapper comprising a sheet of somewhat tough wrapping material, such as "Cellophane"; said sheet including in a single substantially continuous member material sufficient in area to extend completely around two face panels and the intervening sides of said packet; with marginal material extending over each end of the packet and folded and sealed in overlapping arrangement; at least one of said end margins being provided with a tab free from sealing attachment to the underlying folds and constituting an extension of an entire end of said wrapper, so that upon retroverting said tab and pulling it manually the associated end fold structure can be ruptured and removed, leaving the remainder of the wrapper vulnerable for ready complete removal from the packet.

2,152,383
FACE SHIELD
Forest D. Leader, Oakland, Calif.
Application June 26, 1937, Serial No. 150,558
4 Claims. (Cl. 2—8)



1. In a face shield of the character described, a pane-holding frame defining a bore for receiving a pane, a pane for mounting in said bore across the axis thereof, and a continuous light-sealing member of resilient material engaging the pane and providing a sealing apron having a periphery which is similar to the bore cross-section and appreciably exceeds the bore periphery whereby the outer apron portion is arranged to be bent out of the plane of its pane-engaging portion for flat engagement with the bore when it is operative in the bore.

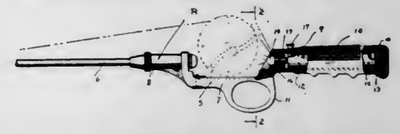
2,152,384
RAILWAY TRAFFIC CONTROLLING APPARATUS
Lloyd V. Lewis, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 16, 1928, Serial No. 254,690
Renewed May 12, 1931
68 Claims. (Cl. 246—5)



68. In combination, a line circuit, means for impressing a plurality of different codes on said line circuit, each of said codes including a series of time spaced impulses, means for manually selecting and storing the condition that any one of said codes is to be transmitted, and means preventing a change in said stored condition during the transmission of a code to thereby prevent its mutilation.

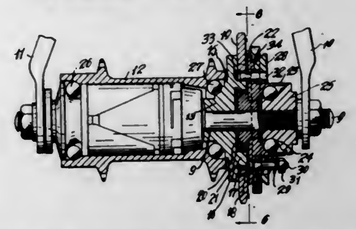
2,152,385
FISHING ROD
Philip J. Mayer, West Bend, and Floyd H. Peters, Milwaukee, Wis.
Application January 28, 1938, Serial No. 187,368
1 Claim. (Cl. 43—23)

A fishing rod comprising, a handle having a reel seat and a hollow handle butt, a flashlight battery in said hollow butt, said butt having a bore communicating with the interior thereof



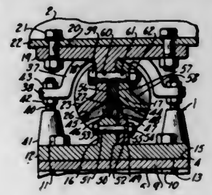
and opening out adjacent the reel seat, and a bulb having its stem detachably fitted in said bore for cooperation with the battery.

2,152,386
SPEED CONTROL MECHANISM
Alvin J. Musselman, Cleveland Heights, Ohio
Application October 4, 1937, Serial No. 167,087
6 Claims. (Cl. 74—290)



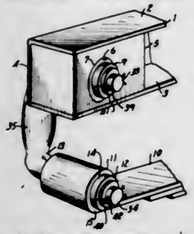
1. In a bicycle, rear forks, a rear wheel hub mounted between said forks, two-speed gearing incorporated in said hub, and means for changing the ratio of said gearing from one speed to the other comprising a spreader mounted on one of said forks slidable rearwardly into operable engagement with the gearing to set the gearing in one of its two speeds, and slidable forwardly completely out of engagement with the gearing for permitting the gearing to move automatically to its other speed, said hub being removable from the forks when the spreader is in its forward position.

2,152,387
OILLESS BEARING
Albert N. Porter, Tulsa, Okla., assignor to J. F. Darby, Tulsa, Okla.
Application May 1, 1937, Serial No. 140,220
3 Claims. (Cl. 308—2)



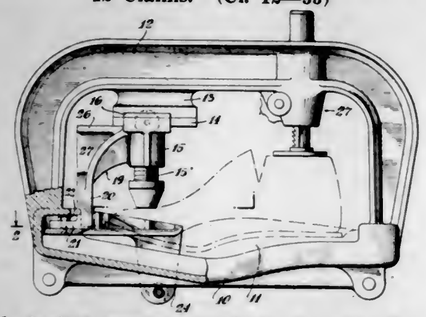
1. A bearing of the character described including a fulcrum member having a socket therein, a removable insert secured in said socket for forming the apex of said fulcrum member, means on the fulcrum member having bearing points directed oppositely to the fulcrum member and in alignment with the apex thereof, a rocking member having a trunnion provided with oppositely directed sockets, and removable inserts secured in said sockets for engagement with the insert on the fulcrum member and the bearing points to retain the rocking member centered on its axis.

2,152,388
SPRING SHACKLE
Albert N. Porter, Tulsa, Okla., assignor to J. F. Darby, Tulsa, Okla.
Application June 9, 1937, Serial No. 147,259
6 Claims. (Cl. 267—54)



1. A device of the character described including a pivot member provided with radially arranged recesses having line bearing seat portions, a pair of bearing sections extending over the pivot member, lugs on the bearing sections projecting into said recesses and provided with line bearing contact portions engaging the bearing seat portions to form an axis of oscillation, said bearing sections having abutting faces for maintaining alignment of said line bearing contact portions, and means encircling the bearing sections for retaining the faces of the bearing sections in abutting relation.

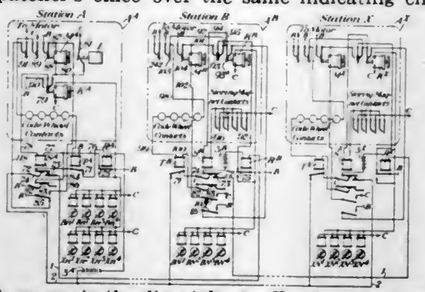
2,152,389
SHOE PRESS
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application October 30, 1937, Serial No. 171,854
12 Claims. (Cl. 12—33)



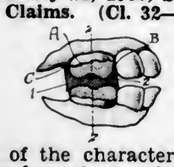
1. A shoe press comprising a base member, a bow member extending thereover, a heel post carried by said bow member, a pressure applying pad on said base member, an adjustable toe post carried by said bow member, a toe post extension member having a reinforcing element for said toe post engageable in supported relation with said bow member, confining plate means connected to said extension member and adapted to control expansion of said pad, and means movably coupling said confining plate means and said base member to prevent upward displacement of the plate means.

2,152,390
REMOTE CONTROLLING APPARATUS
Clarence S. Snavely, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 14, 1929, Serial No. 362,948
72 Claims. (Cl. 246—5)

67. An OS-ing system for transmitting conditions of traffic from a plurality of points along a railway system to the dispatcher's office comprising, means located at each of such plurality of points for transmitting distinctive codes to the dispatcher's office over the same indicating circuit, means in the dispatcher's office for interpreting these codes, and lockout means for preventing only more distant way stations transmitting codes to the dispatcher's office when a particular way station is transmitting a code.

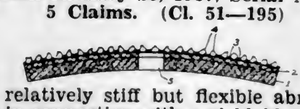


2,152,391
DENTAL APPLIANCE
Charles A. Spahn, Newark, N. J., assignor to The Orthodontists Supply Co. Inc., Newark, N. J., a corporation of New Jersey
Application January 21, 1937, Serial No. 121,524
2 Claims. (Cl. 32—34)



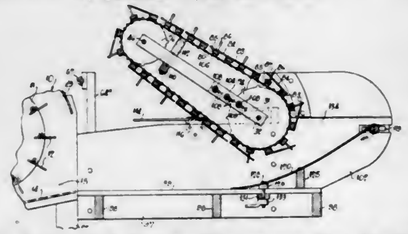
1. A device of the character described comprising a body formed of yieldable material to be gripped and held by and between the jaws of the patient and having a cup-like recess to receive and tightly enclose within it the exposed portion of a tooth to be treated, diametrically opposite arcuate portions of the rim of said recess having upstanding wings projecting therefrom to engage the lingual and buccal sides respectively of the tooth adjacent the gingival margins, said body and rim being deformable so that the rim will snugly contact with portions of the gum and teeth and enclose within said recess the portions of the gum and tooth encompassed by said rim.

2,152,392
ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME
Frank J. Tone, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application January 26, 1937, Serial No. 122,446
5 Claims. (Cl. 51—195)



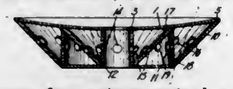
1. A relatively stiff but flexible abrasive disc for use in connection with a yieldable supporting pad against which the disc is held by attachment at the center only, said disc comprising a stiff, resilient backing having a thin layer of abrasive grains attached to a surface thereof and being circular when pressed to form a plane surface but normally curved so that a particular diameter will be a substantially straight line while a diameter intersecting the first-mentioned diameter at an angle of 90 degrees is substantially an arc of a circle, whereby the disc is sufficiently compressed when mounted for use to cause it to lie snugly against the supporting pad.

2,152,393
FEEDING MECHANISM FOR THRESHERS
Charles H. Turner, Statesville, N. C.
Application April 15, 1937, Serial No. 137,084
4 Claims. (Cl. 198—178)



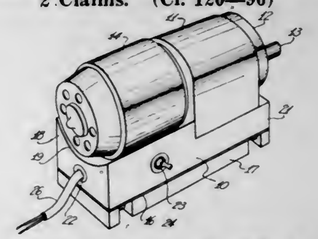
1. Apparatus for feeding vegetation to vegetation processing machines comprising a trough having a pair of spaced sidewalls and a bottom and an intake end and a discharge end, a shaft mounted for rotation in the intake end of said trough, a pair of members pivotally mounted on said shaft and extending towards the discharge end of said trough, a second shaft mounted in the free ends of said members, a pair of sprocket wheels mounted in spaced relation on each of said shafts, a pair of sprocket chains mounted on said sprocket wheels, transversely disposed bars mounted on said sprocket chains, alternately disposed bars having teeth projecting therefrom, the other bars having each one edge of a sheet member secured thereto and having its outer edge slotted to partially surround said teeth on the next succeeding alternate bar and extending to within close proximity to the next succeeding other bar and substantially closing the spaces between all of the bars, the lower portion of said sprocket chains being spaced at all times from the bottom of said trough, means for driving said chains to propel inserted vegetation into said processing machine, the free end of said members supporting said second shaft being upwardly movable by an excess of vegetation being inserted thereunder, and said sheet members moving outwardly relative to the teeth as the chains pass by the sprocket wheels on said second shaft to clear vegetation from the teeth and to move the vegetation into the processing machine at a greater rate than the travel of the sprocket chains.

2,152,394
ASTRONOMICAL MIRROR
Curtis H. Veeder, Hartford, Conn.
Application February 1, 1937, Serial No. 123,457
14 Claims. (Cl. 88—105)



2. A mirror for astronomical purposes comprising a truss framework triangular in section having means for transmitting to the component members thereof external forces acting on the framework at the apex of any triangle as tension or compression forces only and including an annular mirror carrying plate member and a support therefor, said support comprising coaxial tubular members one of which is cylindrical and the other of which is of diminishing cross section toward one end, said members at one of their ends being united with said plate at different distances from the axis of the latter and also being united with each other at their opposite ends to form a plurality of triangles in any axial section constituting the truss framework.

2,152,395
PENCIL POINTER
Clifford G. White, Cedar Rapids, Iowa
Application February 24, 1936, Serial No. 65,272
2 Claims. (Cl. 120—96)



1. In a pencil pointer, a base, a housing mounted on the base, a cutter drive means mounted on the base and secured to the housing on one face thereof, cutting means adapted to be actuated by the cutter drive means and extending within the housing, a cap engaged on the other face of the housing, a pencil holding and guide means secured to the cap and extending therethrough and within the housing in fixed spaced relationship with respect to the cutting means whereby a pencil placed in the holder and moved into the housing will contact the cutting means and have the end formed into a desired point.

2,152,396
WIRE DRAWING LUBRICANT AND METHOD
Robert C. Williams, Columbus, Ohio, assignor to The Ironsides Company, Columbus, Ohio, a corporation of Ohio
No Drawing. Application December 17, 1936, Serial No. 116,380
7 Claims. (Cl. 205—21)

1. A compound for treating steel wire or rod preparatory to a die drawing operation thereon, comprising a liquid body having uniformly dispersed therein lime, a protein dispersing agent and a lubricant.

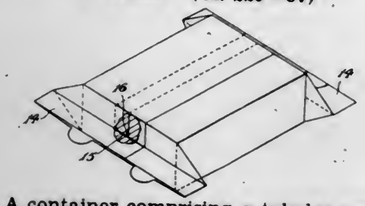
2,152,397
HARNESS CORD FOR LOOMS
Alan E. Brickman, Donora, Pa., and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 1, 1938, Serial No. 217,074
6 Claims. (Cl. 24—123)



1. A harness cord for looms comprising a flexible member of a predetermined length consisting of a multi-strand flexible wire of a reverse lay construction sheathed in a flexible moisture-proof material having a portion of said sheathing removed from each end thereof, and a die-cast terminal member having an eye arranged therein disposed on each end of said flexible member, each of said terminal members enveloping the ends of said multi-strand wire and overlapping

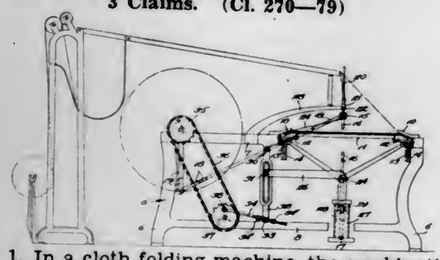
the ends of said sheathing, sealing the ends thereof so as to prevent moisture from entering thereunder and attacking the wire strands and to retard vibration of said strands adjacent the ends of the sheathing at the terminal members, thereby eliminating the danger of breakage of the wire strands at this point.

2,152,398
CONTAINER AND PACKAGE
John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company Limited, London, England
Application June 17, 1938, Serial No. 214,339
In Great Britain June 17, 1937
7 Claims. (Cl. 229—87)



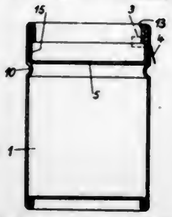
1. A container comprising a tubular metal foil wrapper having overlapping portions cemented together, a non-metal tubular liner disposed within the tubular metal foil wrapper, said tubular liner being of a length which is less than the length of the metal foil wrapper, a closure seam for the metal foil wrapper, the closure seam being formed by pressing together, flattening and cementing an end portion of the tubular metal foil wrapper which extends beyond an end of the liner, and a liner closure for that end of the liner which is adjacent the closure seam, said liner closure being formed by opposed portions of the liner being moved towards each other and into a plane substantially normal to the sides of the tubular liner so that the edges of said portions are arranged in substantially abutting relationship.

2,152,399
CLOTH-FOLDING MACHINE
Frank M. Collier and Ladd J. Lumpkin, Jr., Rock Hill, S. C.
Refiled for abandoned application Serial No. 146,938, June 7, 1937. This application September 8, 1938, Serial No. 229,024
3 Claims. (Cl. 270—79)



1. In a cloth folding machine, the combination with a frame, folding blades, opposite pairs of stationary and movable cloth folding jaws, and a source of pressure, of devices for alternately transmitting pressure to the movable jaws of the respective pairs of jaws and comprising a pair of divergently connected members pivoted to said movable jaws respectively, a crank pivotally connecting said members to said source of pressure, a rocker arm movably mounted on said frame and slidably connected to said crank, a power driven element rotatably mounted on said frame, a rod carried by said element and connected to said rocker arm for oscillating the latter to effect alternate movement of said movable jaws relative to said stationary jaws respectively.

2,152,400
CONTAINER
Duilio Da Rold, Milan, Italy, assignor to Heinrich Hermann Heer, Zurich, Switzerland
Application October 23, 1937, Serial No. 170,685
In Italy October 26, 1936
3 Claims. (Cl. 229—51)



1. In a container of cardboard, paper or the like comprising a container body and a cover provided with a flange adapted to be fitted into said body, said body having a weakened portion, so as to enable the cover to be separated from the body, said weakened portion being formed in the body at a point which is located between the bottom of the cover and the upper edge of the closed container, and a member located at least in part between the cover flange and the adjacent wall of said body and having a tongue projecting through a slot at said weakened portion for being grasped to apply a lifting force thereby to break the part of the body above the weakened portion from the remainder of the body.

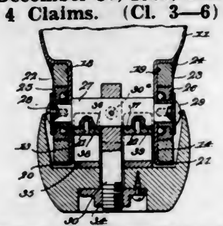
2,152,401
ARTIFICIAL LIMB
Charles H. Davies, Philadelphia, Pa.
Application May 4, 1935, Serial No. 19,897
5 Claims. (Cl. 3—2)



1. An artificial limb comprising a thigh portion and a shin portion articulated by means of a pivot bolt which is non-rotatable relative to the shin portion, a split brake drum fixed on said bolt, means fixed to the thigh portion and frictionally engaging said drum, and a lever for engagement by a control strap, said lever being formed with and projecting radially from one of the parts of said split drum.

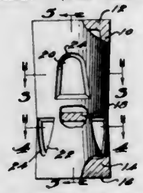
3. An artificial limb comprising a hollow shin portion and a bracket including a band portion secured to the upper margins of said shin portion throughout the circumferential extent of the latter, said bracket having integral bearing portions for a pivot bolt, a pivot bolt supported in said bearing portions, a thigh portion pivoted on said bolt, the rear part of the band portion being downwardly off-set relative to its forward portion and having a downwardly curved upper edge adapted to abut the rear surface of the thigh portion to limit relative bending in one direction of the two limb portions, said rear surface being transversely curved and the curve of said upper edge conforming substantially thereto to provide extended abutting contact, said thigh portion having a lower rear part extending in front of and abutting the rear part of said band portion when the two limb portions are in straightened relation.

2,152,402
ANKLE JOINT STRUCTURE FOR ARTIFICIAL LIMBS
Charles H. Davies, Philadelphia, Pa.
Application December 30, 1936, Serial No. 118,417
4 Claims. (Cl. 3—6)



1. An artificial limb comprising a hollow metal shin portion, a fitting closing the rear portion of the ankle end of said shin portion, a fitting closing the forward portion of the ankle end of said shin portion, said fittings being welded in place, side portions of the shin portion depending between said fittings, and bearing-carrying reinforcements fixed to said depending portions.

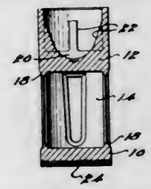
2,152,403
VALVE TAPPET
Joseph L. Dostal, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1938, Serial No. 214,492
7 Claims. (Cl. 123—90)



1. A blank for a valve tappet comprising, in combination, a hollow generally cylindrical body portion, and three axially spaced imperforate transverse walls integrally joined thereto.

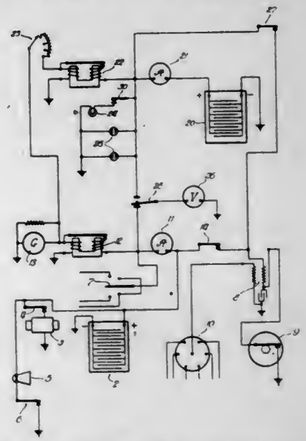
2,152,404
VALVE TAPPET
Joseph L. Dostal, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1938, Serial No. 214,493
5 Claims. (Cl. 123—90)

1. A one-piece hollow barrel type valve tappet of cast construction comprising a hollow cylindrical body, a solid wall closing one end of said body, a second solid wall extending transversely



of said body intermediate the ends thereof, said body intermediate said walls being provided with windows therethrough, and that end of said body opposite the first mentioned wall being opened.

2,152,405
SYSTEM FOR SUPPLYING ELECTRICITY TO MOTOR VEHICLES
Henry C. Dreischerf, Chicago, Ill.
Application May 7, 1937, Serial No. 141,345
8 Claims. (Cl. 290—37)

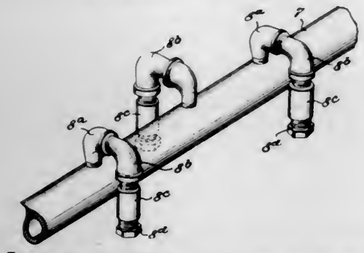


1. In a starting and ignition system, main and auxiliary storage batteries, a generator for charging said batteries, a motor, a switch for connecting said motor to the main battery, an ignition system, a switch for connecting said ignition system to the main battery, an independently operable switch for connecting said system to the auxiliary battery, and circuit connections including said switches whereby the motor may be connected to the main battery alone or to the two batteries in parallel and the ignition system may be connected to either battery alone or to the two batteries in parallel.

2,152,406
METHODS OF PICKLING METALS
Albert Jean Ducamp and Marie Emile Alfred Baule, Chaville, France
No Drawing. Application December 8, 1936, Serial No. 114,871. In France December 10, 1935
10 Claims. (Cl. 148—8)

1. A method for removing superficial impurities from metals, which comprises contacting said metals with a liquid water-repellent pickling composition which is a non-solvent for pickling residues and has a lower specific gravity than water.

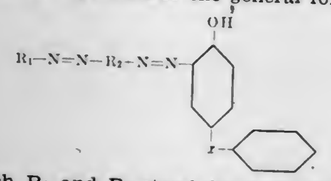
2,152,407
ROAD OILING MACHINE
Granville B. Fawley, Cootes Store, Va., assignor of one-fourth to George S. Aldhizer, Harrisonburg, Va.
Application July 20, 1937, Serial No. 154,654
5 Claims. (Cl. 299—34)



1. In a road oiling machine, a substantially horizontally disposed tubular header, and a plurality of nozzles connected to said header, each of said nozzles comprising a substantially elbow shaped nipple which is tapped into the header along the upper portion thereof and projects upwardly therefrom and a discharge nozzle connected to said nipple and having a substantially elbow shaped portion which together with said nipple forms a substantially inverted U-shaped nozzle, the discharge end of the nozzle being projected downwardly and terminating at a point substantially in alignment with or below the bottom of the header.

2,152,408
SECONDARY DISAZO DYESTUFFS
Charles Graenacher, Riehen, Richard Sallmann, Binningen, and Hans Johner, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 13, 1937, Serial No. 174,490. In Switzerland November 16, 1936
4 Claims. (Cl. 260—186)

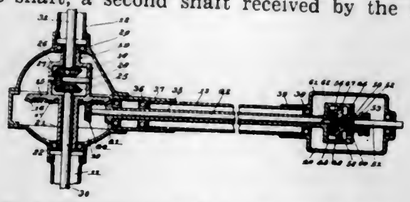
1. The azo-dyestuffs of the general formula



in which R_1 and R_2 stand for aromatic nuclei consisting themselves of not more than two condensed nuclei, at least one of these nuclei being monocyclic and not more than one representing a condensed dicyclic nucleus, one azo-group stands in 1-position and the other stands in 4-position to the radical R_2, and x stands for a member of the group consisting of a diphenyl linkage and a CH_2—group, which products are free from sulfo groups and carboxyl groups.

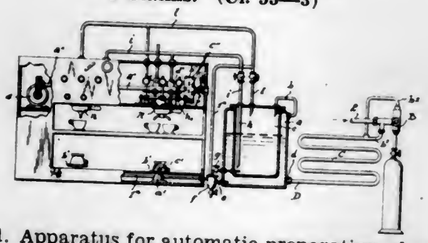
2,152,409
TWO-SPEED DIFFERENTIAL
Irenaeus Basil Holtz, Ashville, Pa.
Application October 7, 1937, Serial No. 167,846
1 Claim. (Cl. 74—326)

In a vehicle differential provided with a main housing and a spider casing, the combination of a disc connected with the casing and having ring gears of different diameters thereon, an elongated shaft housing extending from the main housing, an auxiliary housing connected to the outer free end of the shaft housing, a hollow shaft in the elongated housing and having its opposite ends extended into the main and auxiliary housings, a gear fixed to one end of the shaft and meshing with the ring gear of larger diameter, a clutch element on the other end of the shaft, a second shaft received by the first



shaft, a gear on one end of the second shaft and meshing with the other ring gear, a clutch element on the other end of the second shaft and housed by the first clutch element, a drive shaft having one end projecting into the auxiliary housing, a third clutch element within the first clutch element and slidably keyed to the drive shaft, and means for moving the third clutch element into operative engagement alternately with the first and second clutch elements.

2,152,410
APPARATUS FOR THE PREPARATION OF COFFEE INFUSIONS
Francesco Illy, Triest, Italy
Application August 28, 1936, Serial No. 98,410
In Italy September 9, 1935
3 Claims. (Cl. 53—3)

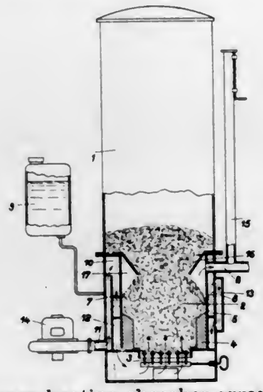


1. Apparatus for automatic preparation of coffee infusions comprising in combination, a water supply, means introducing carbon dioxide into the water, a boiler having two closed compartments into one of which the water carrying the carbon dioxide is fed, means for heating the boiler, a valve operably responsive to the pressure within one of said compartments to pass the fluid therefrom to the other compartment and means associated with said valve adapted to remove solid matter from the fluid passing from the first compartment to the second, and means for carrying the heated fluid to a container for the coffee grounds.

2,152,411
GAS PRODUCER
Herbert Isendahl, Berlin-Halensee, Germany
Application August 22, 1938, Serial No. 226,205
In Germany January 15, 1937
4 Claims. (Cl. 48—64)

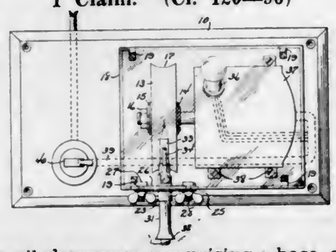
2. A gas producer of the updraft type comprising a body member, a grate in said body member, heat insulating means surrounding the lower portion of said body member above said grate, a conical cast iron annulus extending inwardly from the body member whereby to form a free air space

therebetween, said annulus being positioned so that the lower edge thereof lies above the hottest zone within said body member, a reservoir arranged about said body member and above said insulated portion whereby to provide steam gen-



eration, a super-heating chamber arranged above and in communication with said reservoir, and means for supplying air to said super-heating chamber to form an air and steam mixture, said super-heating chamber having a greater heat transfer area than said reservoir.

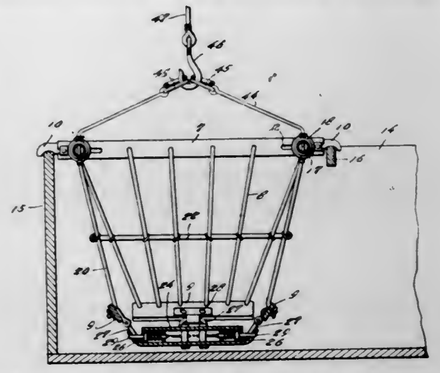
2,152,412
PENCIL SHARPENER
Howard W. Jenkins, Henderson, Ky.
Application January 26, 1937, Serial No. 122,465
1 Claim. (Cl. 120—96)



A pencil sharpener comprising a base, a revolvable grinding wheel mounted thereon and having a concave periphery, a transparent casing fashioned with a pencil receiving slot and secured to the base and housing said wheel, a pair of aligned tubes clamped to said casing about said slot and vertically adjustable on said casing, and a guide tube extending through said first mentioned tubes and adjustable therewith to position a pencil tangentially to the wheel and within said concave periphery, said casing coacting with said tubes to permit the end of a pencil to be viewed and adjusted into operating engagement with said wheel from the exterior of said casing.

2,152,413
CORN RELOADER
Casper Kayser, Owatonna, Minn.
Application June 13, 1938, Serial No. 213,489
5 Claims. (Cl. 294—67)

1. A basket for the purpose specified having peripheral walls composed of upper rails and lower plates, and flexible elements connecting the plates with the rails, a bottom member hinged at one edge thereof to one of said lower plates, latch means for detachably connecting the other lower plates to the remaining edges of the bottom member, manually operated means for releasing



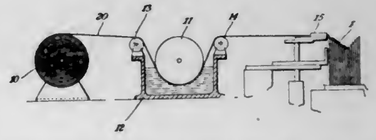
the latch means of one lower plate and manually operated means for simultaneously releasing all the latch means.

2,152,414
COWL VENTILATOR SCREEN
George C. Knight, Detroit, Mich.
Application September 9, 1937, Serial No. 163,111
4 Claims. (Cl. 98—2)



1. A cowl ventilator screen for use with a cowl ventilator having inturned end flanges in which each flange is provided with a notch, a sheet metal screen frame, a pair of lugs struck up from each end of the sheet metal screen frame and arranged to be engaged over the inturned flanges at the opposite ends of the cowl ventilator and a member extending outwardly from each end of the screen frame and arranged to engage in the notches of the flanges as the lugs of the screen frame are engaged over said inturned flanges.

2,152,415
MANUFACTURE OF KNITTED GOODS
Theodor Krasselt, Reuth v/ Neumark, Germany, assignor of four-fifths to Maurice Presburg, Paris, France, and one-fifth to George Angus & Company Limited, Newcastle-on-Tyne, England, a British company
Application May 16, 1936, Serial No. 80,154
In Germany June 6, 1935
1 Claim. (Cl. 66—125)



A method of manufacturing knitted articles from asbestos yarn, which consists in first wetting the yarn with an aqueous soap solution and then knitting the wet yarn to the desired form on a machine.

2,152,416
MANUFACTURE OF CIGARETTES
Walter Everett Molins, deceased, late of Deptford, London, England, by Harold Bernardo Molins, Deptford, London, England, and Moses Hyman Isaacs, London, England, executors, assignors to Molins Machine Company, Limited, Deptford, London, England
Application December 5, 1935, Serial No. 53,104
In Great Britain December 20, 1934
8 Claims. (Cl. 131—52)



8. A method of manufacturing mouthpiece cigarettes by aligning double length stub portions and double length cigarette portions, said cigarette portions having a length which is greater than twice the length required in the finished product, moving the cigarette portions and stub portions in a lengthwise direction, and pressing the cigarette and stub portions together in a lengthwise direction so as to reduce their length to the desired length, securing the cigarette and stub portions together by severed lengths of wrapping material while said portions are moving lengthwise, and severing the cigarette portions and stub portions substantially midway of their length.

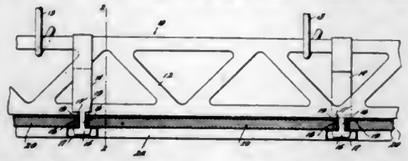
2,152,417
NECKTIE
James Natalie, Mechanicville, N. Y.
Application January 10, 1938, Serial No. 184,320
1 Claim. (Cl. 2—148)



A necktie comprising a body portion terminating at the upper end in a permanent knot, said body portion and knob having a central vertical opening, a neck band connected at the ends to the knot at opposite sides of said opening, the opening in the body portion and in the knot permitting the body portion and knot to be spread laterally at the opening to form a wide V-shaped opening to permit the neck tie to be applied over the wearer's head, and a zipper connected to the edges of said opening and closing the opening after the tie has been applied.

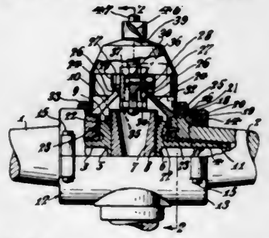
2,152,418
BUILDING CONSTRUCTION
Anders C. Olsen, Gwynedd, Pa.
Application September 4, 1935, Serial No. 39,155
Renewed September 10, 1938
4 Claims. (Cl. 72—118)

1. In a ceiling construction of the built-up panel type, in combination, parallel horizontally disposed channel beams having apertures formed in the webs thereof and the webs being vertically disposed, vertically disposed suspending elements having their lower ends laterally directed and passing through the apertures in the webs of the beams for suspending said beams, hanger



members looped over the tops of the beams and extending downwardly beyond the same, said hanger members lying flat against the webs of the beams, panel edge supporting strips attached to the lower ends of the hanger members and disposed in parallel relationship, and panels extending between, and having their parallel edges supported by, said supporting strips.

2,152,419
VARIABLE PITCH PROPELLER
Haviland H. Platt, New York, N. Y.
Application January 18, 1935, Serial No. 2,349
13 Claims. (Cl. 170—162)

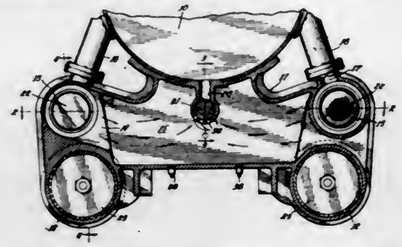


1. In a fluid-borne craft, the combination of a multi-bladed variable pitch propulsive screw and a shaft therefor, a flow responsive air screw connected to the shaft of said propulsive screw but mounted for limited rotational movement relative thereto and means adapted to cause the rotational movement of said air screw relative to said shaft to vary the pitch of said propulsive screw, said means including a threaded shaft upon which is mounted said air screw, a nut on said last mentioned shaft and mounted for movement axially thereof upon rotation of such shaft, and means operatively interposed between said nut and the blades of the propulsive screw for transforming axial movements of said nut into pitch variations of the blades of said propulsive screw, said latter means including gearing.

2,152,420
LOCOMOTIVE
Frank P. Roesch, Chicago, Ill.
Application October 4, 1937, Serial No. 167,154
15 Claims. (Cl. 105—44)

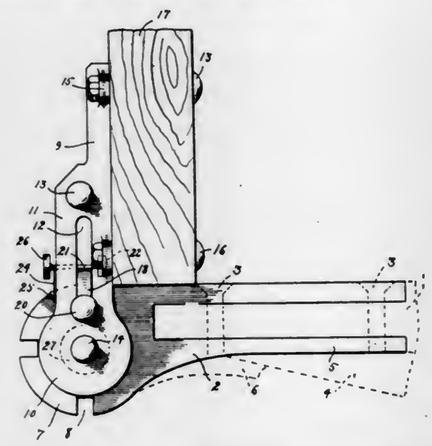
1. In a locomotive engine, the combination with a fire box and boiler having a smoke-box, of a saddle upon which the smoke-box is supported having a large hollow therein, valve chambers and associated cylinders supported from the saddle, short passages from the ends of the valve chambers to the hollow in the saddle into which the steam from the cylinders is exhausted and expanded, an exhaust steam passage from the hollow of the saddle to the smoke-box, a valve

in said exhaust steam passage, and means for holding said valve closed until the exhaust steam



from the cylinders raises the pressure in the hollow of the saddle to a desired degree.

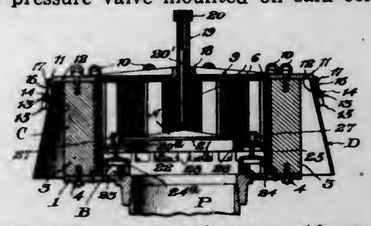
2,152,421
VEHICLE STAKE
Bernard Skoog, Grand Marais, Minn.
Application May 27, 1938, Serial No. 210,447
4 Claims. (Cl. 280—145)



1. In an adapter for vehicle stakes, means for rigid attachment to the marginal edge of the deck of a vehicle, said means having an enlarged cylindrical portion for extension beyond said deck, means for rigid attachment to a stake, said latter means being of two separable like halves each having an enlarged cylindrical portion for clamping engagement, against opposite sides of the similar enlargement of said first mentioned means, and a latch pivotally carried upon said last mentioned means and selectively engageable with the cylindrical engagement of said first mentioned means, whereby to vary the relative angle of said deck and stake carrying means.

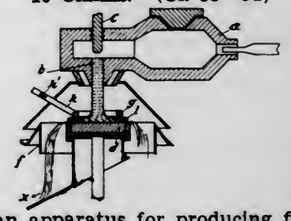
2,152,422
SAFETY DEVICE FOR VOLATILE LIQUID STORAGE TANKS
John J. Tokheim, Cedar Rapids, Iowa
Application January 25, 1937, Serial No. 122,278
6 Claims. (Cl. 220—44)

1. A safety device for volatile liquid storage tanks including in combination, a casting having a central valve seat and a plurality of separate valve seats surrounding the central valve seat, said casting having passages for establishing communication between the last named valve seats and the space beneath the central valve seat, a pressure valve mounted on said central



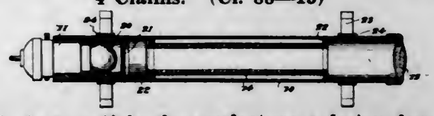
valve seat, and vacuum valves on said separate valve seat.

2,152,423
PRODUCTION OF FIBERS OR THREADS FROM GLASS, SLAG, AND THE LIKE MELTABLE MATERIALS
Lambert von Reis, Herzogenrath, Germany, assignor to Naamlooze Vennootschap Maatschappij tot Beheer en Exploitatie van Octrooien, The Hague, Netherlands
Application December 15, 1934, Serial No. 757,711
In Germany December 18, 1933
10 Claims. (Cl. 83—91)



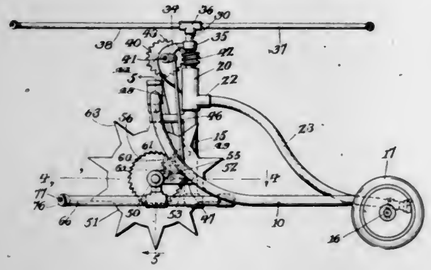
1. In an apparatus for producing fibers from molten glass, slag and the like meltable materials, in combination a tank for molten material, an outlet in this tank wherethrough to discharge a stream of the molten material, a rapidly horizontally rotating solid body below the outlet whereon to deliver the stream of molten material and means above the rotating body directing blasts of gaseous medium under pressure at a plurality of points on the liquid mass on the rotating body in a substantially horizontal direction outwardly in respect to the center of the rotating body.

2,152,424
DESIGNOSCOPE
William O. Wetmore, Gulfport, Fla.
Application March 15, 1937, Serial No. 131,060
4 Claims. (Cl. 88—15)



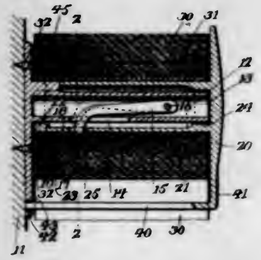
1. As an article of manufacture, a design-forming device for use in connection with a projection machine of the character described comprising a design-forming casing mounted for rotatable movement, said casing having a plurality of spaced transparent plates providing a tumbler-receiving compartment, a regularly formed definitely fixed design carried by one of the transparent plates, and a plurality of regularly formed differently colored transparent tumbler elements freely movable within the tumbler-receiving compartment and adapted to form well-balanced regular and varied symmetrical designs when the casing is revolved and a beam of light is projected therethrough.

2,152,425
AUTOMOTIVE TRAVELING SPRINKLER
John H. Wilson, North Platte, Nebr.
Application November 3, 1937, Serial No. 172,634
5 Claims. (Cl. 299—50)



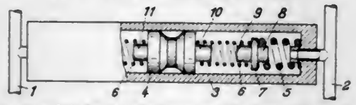
1. An automotive sprinkler comprising a hollow post, a wheeled frame having swiveled connections with the post, a hose connected to the post and supplying water to said post, hollow arms projecting radially from the post, means rotatably mounting the arms on the post and placing the post in communication with the arms, a worm on the mounting, a worm gear carried by the post and meshing with the worm, a tractor wheel, means supporting the post on the wheel, means operatively connecting the wheel with the worm gear so that when the worm is revolved by water issuing from the arms the traction wheel will be revolved for propelling the sprinkler, said supporting means including hollow pipes at each side of the traction wheel and in communication with the post for spraying water forwardly of said wheel.

2,152,426
TOILET PAPER HOLDER
John H. Wilson, North Platte, Nebr.
Application November 3, 1937, Serial No. 172,635
1 Claim. (Cl. 242—55.2)



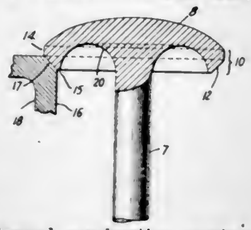
A theft-proof paper holder comprising a plate having an opening and adapted to be secured to a wall of a room, a tubular member projecting from the plate and provided with a slot, a latch pivoted within the member and having a free end normally projecting through the slot, a sleeve slidably received by the tubular member, housed by a roll of paper and having an opening adapted to be aligned with the slot to receive the end of the latch, a disc rigid with the outer end of the sleeve, an arm projecting from the disc and having the free end received by the opening in the plate and cooperating means on the sleeve and tubular member in conjunction with the arm, for preventing twisting of the disc to unseat the latch and for aiding in aligning the opening in the sleeve with the slot in the tubular member.

2,152,427
STABILIZING DEVICE
Hermann Wolf, Koblenz-on-the-Rhine, Germany
Application September 13, 1937, Serial No. 163,673
In Germany September 25, 1936
6 Claims. (Cl. 267—11)



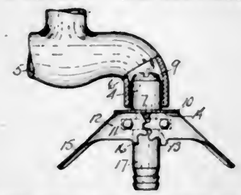
1. In a vehicle stabilizing device of the character comprising a pair of hydraulic damping devices connected through an equalizing device, an equalizing device comprising a cylinder, a piston slidable within said cylinder, and a plurality of springs of different strengths interposed between each side of said piston and the adjacent end of said cylinder.

2,152,428
VALVE
Carl E. Berstler, Reading, Pa., assignor of eighteen and seventy-five one hundredths per cent to Raymond T. Scull, Wyomissing Hills, Pa., eighteen and seventy-five one hundredths per cent to A. W. Golden, Wyomissing, Pa., and eighteen and seventy-five one hundredths per cent to John T. Bair and eighteen and seventy-five one hundredths per cent to George S. Weinerth, both of Reading, Pa.
Application September 27, 1937, Serial No. 165,877
8 Claims. (Cl. 123—188)



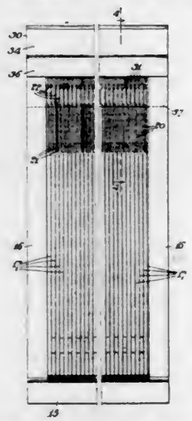
1. An internal combustion engine valve comprising a stem, a head trussed against the forces of the stem and the reactions of the valve seat under the valve-seating action, a tubular valve-seating skirt on the head, and an inner peripheral portion of the valve-seating skirt for radially inwardly overhanging the valve-block seat.

2,152,429
BATHTUB FIXTURE
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application February 23, 1937, Serial No. 126,976
5 Claims. (Cl. 285—165)



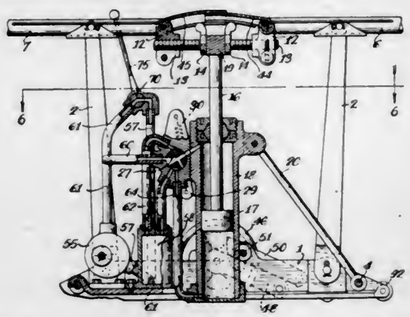
1. A fixture including a threaded support, an expansible member mounted on said support, an expanding lever support rotatably mounted on said threaded support, an expanding lever pivotally mounted on said lever support and having a skirt surrounding and housing said lever support at its end which is adapted to receive a hose, and means on said lever for expanding said member to secure it in place.

2,152,430
COMB AND REED FOR TEXTILE MACHINES
Victor C. Hassold, Chestnut Hill, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 17, 1936, Serial No. 64,327
17 Claims. (Cl. 28—40)



1. In a warp separating device, a frame, a series of dents mounted in said frame, one end of each of said dents being fixedly and permanently secured in said frame, each of said dents being provided with an offset portion near its free end bearing against a resilient portion of an adjacent dent thereby to space the free ends of the dents, and a device removably mounted on the frame and having auxiliary dents fixedly mounted therein and extending into the dent spaces at the free ends of the main dents.

2,152,431
EXERCISING MACHINE
Sigvard Hjalmar Jensen, Detroit, Mich.
Application November 2, 1936, Serial No. 108,745
5 Claims. (Cl. 128—74)



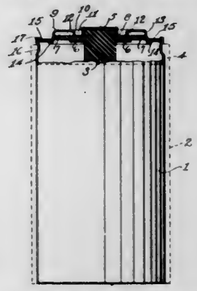
5. In an apparatus of the kind described, the combination of two frames adapted to support a human body, one portion upon one frame and the other portion upon the other frame, a body supporting member between adjacent edges of said frames, said member consisting of two telescoping parts respectively hinged to said edges and means for oscillating said frames in a vertical plane about axes spaced from said adjacent edges.

2,152,432
DEVICE FOR WARP LEASING
Frank H. Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 25, 1937, Serial No. 160,766
12 Claims. (Cl. 28—40)



1. A warp leasing device comprising a frame, and a series of dents mounted therein spaced from each other, thereby to provide dent spaces in which the warp is located, said dents comprising thin flat metallic strips, the plane of each dent strip being substantially parallel to the direction of the main body of the warp, and each alternate dent having a warp engaging hook disposed entirely within the plane of the dent strip.

2,152,433
DRY CELL
Frederick A. Keller, New York, N. Y., assignor to Henry Hyman, Brooklyn, N. Y.
Application December 21, 1935, Serial No. 55,550
3 Claims. (Cl. 136—133)

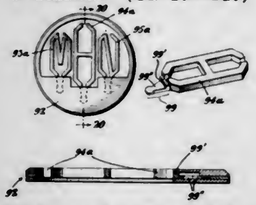


2. In a dry cell, a metal casing forming one electrode, a rod of conducting material in said casing forming the other electrode, a metal cap on the end of said rod having a flange, a washer of insulating material supported on said flange, an annular metal member having two flanges of different lengths, the shorter one of which rests upon the upper surface of said washer and the longer one has an out-turned lip, and a larger washer supported by said lip and the upper end of said casing.

2,152,434
ALLOY STEEL
Augustus B. Kinzel, Douglaston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Original application January 9, 1930, Serial No. 419,744. Divided and this application July 1, 1937, Serial No. 151,452
2 Claims. (Cl. 75—126)

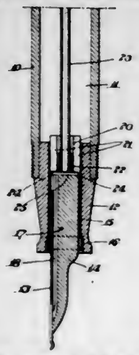
1. Alloy steel containing 0.3% to 1.5% chromium, 0.6% to 0.9% silicon, 0.1% to 1.25% manganese, 0.05% to 0.3% zirconium, carbon in an amount not over 0.9% and the remainder iron and incidental impurities in amounts insufficient to affect materially the properties of the steel.

2,152,435
ORNAMENT
Arthur Knight, Providence, R. I., assignor to Leo K. Stupell, New York, N. Y.
Application January 17, 1939, Serial No. 251,318
9 Claims. (Cl. 40—140)



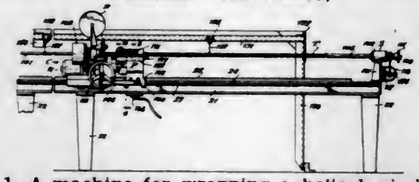
6. A carrier for a plurality of selectively interchangeable units, said carrier being provided with pockets having mouths in edge portions of the carrier for receiving tongues projected from said units; said carrier including a plurality of separate sheet members arranged in face to face relation and secured together to extend all over the expanse of said carrier provided with said pockets, said pockets being in part established by voids in one of said sheet members and in part established by voids in one of said sheet members and in part established by an immediately adjoining sheet member where the latter crosses said voids.

2,152,436
FOUNTAIN PEN
Richard H. Koos, Gloucester, N. J., assignor to Leon H. Ashmore, Collingswood, N. J.
Application November 26, 1937, Serial No. 176,404
7 Claims. (Cl. 120—52)



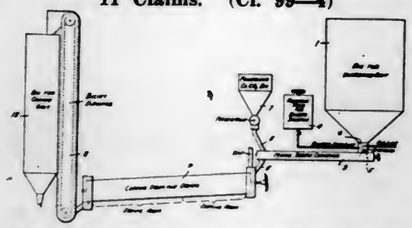
1. In a fountain pen, a barrel portion adapted to serve as a reservoir for the ink, a nipple mounted in one end of said barrel, said nipple having a central bore, a pen point unit mounted in said bore, said pen point unit having a feed member provided with a channel extending to the inner end of said feed member for the passage of the ink and venting air, and a control device mounted within the inner part of the bore of the nipple, said control device having a plurality of members spaced around the interior of the bore to provide therebetween a plurality of passageways for the respective passage of ink and venting air.

2,152,437
HELICAL FIN WRAPPING MACHINE
Joseph D. Lear, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application November 6, 1937, Serial No. 173,212
15 Claims. (Cl. 29—33)



1. A machine for wrapping a helical winding on a tube comprising a machine bed, a pair of supports on said bed for rotatably mounting a tube, means for moving one of said supports longitudinally of the bed with respect to the other of said supports, means for applying power to one of said supports to rotate the tube mounted therein, and means disposed on said power applying support to deliver winding material to the tube.

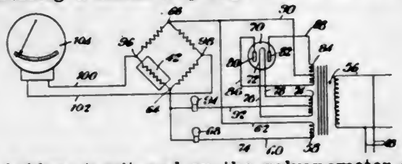
2,152,438
POULTRY FOOD
Brack B. McHan, Quincy, Ill., assignor to Calcium Carbonate Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1935, Serial No. 33,359
11 Claims. (Cl. 99—4)



1. A food product comprising a grit-like particle and a stabilized iodine substance carried by the grit.

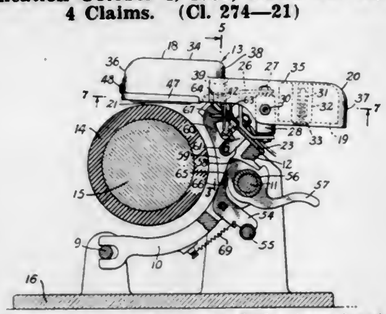
2,152,439
METHOD OF AND APPARATUS FOR ANALYZING GAS
Benjamin Miller, Richmond Hill, N. Y., assignor to Power Patents Company, Hillside, N. J., a corporation of Maine
Application November 8, 1937, Serial No. 173,350
7 Claims. (Cl. 23—232)

1. In a process for analyzing a gas in which a sample of gas is burned with air in contact with a heated catalyst wire mounted in a Wheatstone bridge circuit and the temperature rise of the catalytic wire resulting from the combustion is measured by a galvanometer, the method of operating a Wheatstone bridge circuit which comprises impressing upon the bridge wires an alternating current of sufficient amperage to maintain the temperature of the wire sufficiently high to burn the gas irrespective of its composition, burning the gas in contact with the wire and impressing a small amperage direct current on



the bridge circuit and on the galvanometer circuit to provide a definite operation of the galvanometer by the direct current when the bridge wire is unbalanced by change in temperature resulting from the combustion of the gas.

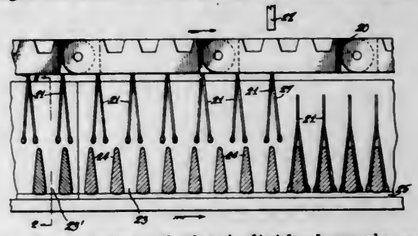
2,152,440
COMMERCIAL PHONOGRAPH
Leland D. Norton, Fairfield, and Victor L. Frykman, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application October 4, 1935, Serial No. 43,576
4 Claims. (Cl. 274—21)



1. Phonograph apparatus of the type having a carriage movable along a record tablet wherein a stylus is freely movable laterally when in operative position to the record tablet and is movable vertically to and from said position, comprising a carrier for supporting and positioning the stylus, a cam plate on said carrier having a cam engaging downwardly exposed surface and cam engaging laterally exposed surfaces, a cam lever on the carriage having cam means adapted to engage said downwardly exposed surface and separate cam means to engage said laterally exposed surfaces, backspacing means for the carriage including a backspacing lever, stylus carrier lifting means including a lifting lever, and means operatively associated with each of said levers for independently engaging and actuating said cam lever to restrain lateral movement of the stylus.

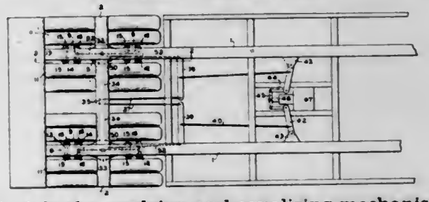
2,152,441
MATCH PACKETING MACHINE AND METHOD
Rodney S. Pullen, Akron, Ohio, assignor to Pullenlite Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 28, 1936, Serial No. 117,818
32 Claims. (Cl. 93—7)

1. A match comb machine including a comb match-processing conveyer having intermittent periods of rest and movement and supporting the combs head-ends-out by their uncut stub strips, a delivery plunger adapted to push the combs at their stub edges and to deliver them successively head edge forward from the conveyer in combination with a comb tray including laterally spaced wedges for successive registry between the spread



rows of matches of the individual combs successively being delivered from the conveyer.

2,152,442
BRAKE APPLYING AND EQUALIZING MECHANISM FOR UNIVERSAL ROCKING WHEEL VEHICLES
Hugh L. Rogers, Albion, Pa., assignor to The Rogers Brothers Corporation, Albion, Pa.
Application December 24, 1937, Serial No. 181,542
9 Claims. (Cl. 188—2)

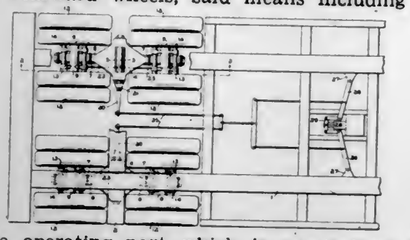


1. A brake applying and equalizing mechanism for a vehicle having a wheel supporting member extending longitudinally of the vehicle and being rockable about an axis extending transversely of the vehicle, wheels mounted on the supporting member forwardly and rearwardly of said transversely extending axis, and brakes for said wheels, respectively, said mechanism comprising a lever mounted on the vehicle for swinging movement about said axis relative to and independently of the rocking of the supporting member, means connecting said lever to the brakes for actuating the brakes by the lever consequent upon swinging of said lever to different positions relative to the said support, a walking beam, means connecting one end of the beam to the lever, power applying means connected to the beam between its ends for exerting a force on the beam generally longitudinally of the vehicle, and means connecting the other end of the beam to said supporting member and operative to rock the beam about its point of connection with the power applying means consequent upon rocking of the supporting member and thereby to maintain said lever, in all rocked positions of the support, in a fixed operative relation to the power applying means and also in a fixed operative relation to the brakes except when the lever is operated by said power applying means.

2,152,443
BRAKE APPLYING AND EQUALIZING MECHANISM
Hugh L. Rogers, Albion, Pa., assignor to The Rogers Brothers Corporation, Albion, Pa.
Application October 17, 1938, Serial No. 235,310
6 Claims. (Cl. 188—2)

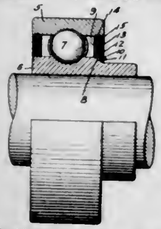
1. The combination with a vehicle having forward and rearward brake-equipped wheels which are constrained for rocking about a fixed axis ex-

tending transversely of the direction of movement of the vehicle and at least two of which, concurrently with such rocking, are rockable about an axis extending in said direction, means arranged for operating brakes on the forward and rearward wheels, said means including a



brake operating part which is constrained to rock about said transverse axis when the wheels rock about said axis, said part having a portion normally extending into alignment with the transverse axis, and brake applying means pivotally connected to said part approximately on said transverse axis.

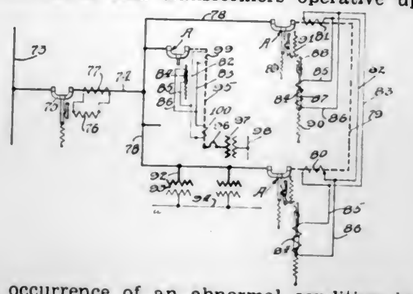
2,152,444
SEAL BEARING
Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application November 5, 1936, Serial No. 109,209
2 Claims. (Cl. 308—187.2)



1. An anti-friction bearing including inner and outer bearing rings with interposed anti-friction bearing members, said inner ring on its outer surface in the space between the two rings having a pair of radially outwardly extending metallic seal plates spaced apart from each other, said outer bearing ring on its inner surface having a circumferentially extending groove facing said inner ring lying between the planes of said seal plates on said inner ring, and a circumferentially continuous relatively thick one-piece seal plate of non-metallic yieldable material seated and confined in said groove and extending between said seal plates on said inner ring and extending in sealing proximity thereto.

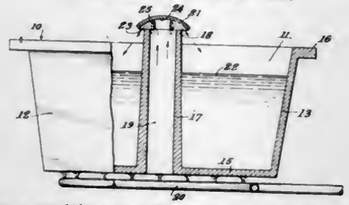
2,152,445
DISTRIBUTION SYSTEM
Joseph J. Shoemaker, Pleasant Ridge, and Howard P. Seelye, Royal Oak, Mich., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1935, Serial No. 3,225
19 Claims. (Cl. 175—294)

1. In a distribution system having a supply circuit connected through a circuit breaker to a plurality of feeders connected to a utilization circuit, and means to automatically open said breaker under abnormal conditions; means for isolating one or more of said feeders relative to the supply circuit and utilization circuit upon the occurrence of abnormal conditions therein, said means comprising switches at the supply and delivery ends of each feeder, current transformers at said switches, the transformers at one end of a feeder being differentially connected to the transformers at the other end thereof, means connected to said transformers operative upon



the occurrence of an abnormal condition in a feeder to pre-set the switches of that feeder and subsequently open only the switches of that feeder, after the circuit breaker in the supply circuit has opened due to the abnormal condition, whereupon the circuit breaker may be again closed to energize the utilization circuit through the un-isolated feeders.

2,152,446
MELTING POT
George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application January 18, 1939, Serial No. 251,463
6 Claims. (Cl. 266—39)

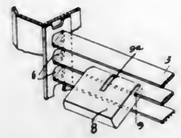


1. In a melting pot for molten metal, a central flue open at both ends and formed integrally with the bottom of the pot, a removable cap for the upper end of the flue, said cap being of greater diameter than said upper end to provide an annular space therebetween, means on the cap for supporting the cap on and in spaced relation to the flue, and a concave under surface on the cap deflecting gases rising in the flue toward the interior of the pot.

2,152,447
ADJUSTABLE GRILLE
Charles S. Wheeler, Los Angeles, Calif., assignor to Controlair Manufacturing Co., a partnership firm composed of said Charles S. Wheeler, an individual, and H. S. McClelland, Inc., a California corporation
Application June 18, 1938, Serial No. 214,531
5 Claims. (Cl. 98—110)

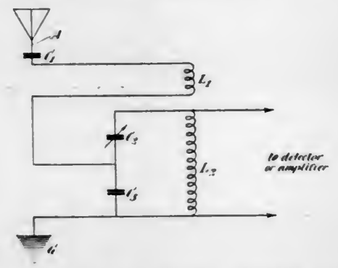
1. In a grille, a frame member defining an opening and including a pair of spaced apart wall members on opposite sides of said opening, said wall members having juxtaposed recesses for receiving and supporting the ends of vanes, and a plurality of vanes extending across said opening,

each having its ends extending into a pair of said juxtaposed recesses in which at least one of the recesses associated with each vane has juxtaposed arcuate edge walls of radius equal to half the width of the end portion of the vane extending



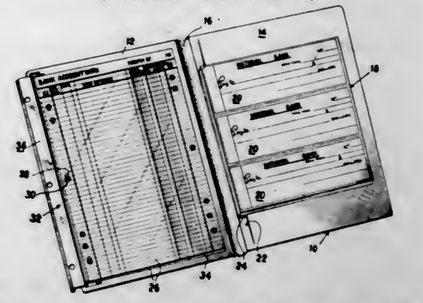
therein and concentric with respect to a common center, whereby the edge of the vane fits snugly against said arcuate edge walls in any one of a plurality of positions of angular adjustment, and are frictionally restrained in any position of adjustment by said arcuate edge wall.

2,152,448
ELECTRICAL SYSTEM
Sidney Y. White, New York, N. Y., assignor to Edward H. Loftin, as trustee
Application August 8, 1925, Serial No. 48,936
8 Claims. (Cl. 178—44)



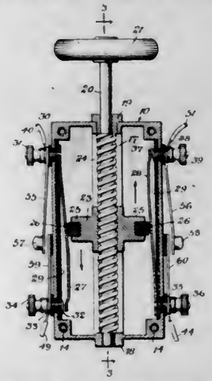
1. In an electrical energy transfer coupling system required to function comprehensively with respect to electrical alternating currents differing in frequency over a substantial range, the combination of a source of electrical alternating currents of diversified frequencies throughout a needed working range and two recipient output terminals, a circuit interposed therebetween including the secondary winding of a two-winding transformer connected in series with a condenser of variable electrical capacity values and a condenser of fixed electrical capacity value, across which latter condenser said source is connected by way of the primary winding of said transformer, said circuit elements being so chosen in relative electrical values that, by varying the electrical capacity of said variable capacity condenser, said circuit is caused to resonate with selected ones of said electrical alternating currents, and said primary winding being so poled that the resulting electromagnetic component of energy transfer aids the energy transferred electrostatically by way of said condensers, the electrical values of said condensers being so relatively proportioned that the obtained efficiency of said electrostatic energy transfer varies substantially the reverse of the inherent gradual variation of said electromagnetic component of energy transfer with variations of frequency, whereby the total efficiency of energy transfer tends towards constancy with variation of frequency, and means for non-reactively conducting energy absorbed within said circuit solely to said recipient output terminals.

2,152,449
CHECK BOOK
Willis S. Whittlesey, Litchfield, Conn., assignor to Miller-Craven, Inc., New York, N. Y., a corporation of New York
Application July 15, 1937, Serial No. 153,713
1 Claim. (Cl. 281—4)



A check book comprising a cover comprising a front piece, a rear piece and a back, means associated with one of said pieces and adapted for detachably holding a block of checks within said check book, a listing sheet positioned against the inside of the other of said pieces, and clamping means associated with the said other piece and adapted for releasably holding said listing sheet against the inside of said other piece, said clamping means being so positioned as to lie adjacent but not upon said check block when said book is closed.

2,152,450
SWITCH
John Arcelon, Mount Vernon, N. Y.
Application December 15, 1936, Serial No. 115,967
2 Claims. (Cl. 200—59)



1. In a switch, a rotatable screw-threaded shaft, a pair of circuit makers and breakers comprising fixed contacts positioned on opposite sides of the shaft adjacent the opposite ends thereof, and spring metal contact strips on the two sides of the shaft engageable with the fixed contacts, and a switch-actuating member mounted on and threaded to said shaft and held against rotation so as to be shifted upon the rotation of the shaft, said switch-actuating member having portions formed of insulating material and engageable with one of the contact strips to shift it into engagement with its fixed contact upon the rotation of the shaft a predetermined amount in one direction, and engageable with the other contact strip so as to shift it into engagement

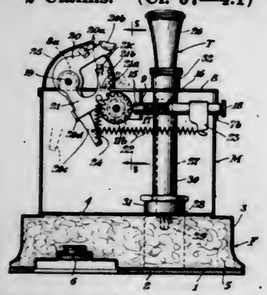
with its fixed contact upon the rotation of the shaft a predetermined amount in the other direction.

2,152,451

TORCH IGNITING APPARATUS

Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey

Application March 9, 1936, Serial No. 67,760
2 Claims. (Cl. 67—4.1)



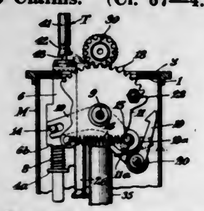
1. Pyrophoric lighting mechanism comprising a fuel receptacle, a sparking device including a rotatable wheel, a pyrophoric metal member bearing against said wheel, means comprising a movable actuating member for operating said sparking device, and a manually actuatable torch engageable with said actuating member to move the same and thereby produce a shower of sparks which move along a path tangentially related to said wheel, said torch comprising a wick which is held by said actuating member for movement substantially longitudinally of said path of the sparks and substantially in the opposite direction taken by said sparks.

2,152,452

PYROPHORIC FLAME PRODUCING MECHANISM

Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey

Application July 6, 1935, Serial No. 30,063
5 Claims. (Cl. 67—4.1)



1. In pyrophoric lighting mechanism, a sparking unit, and a movable torch-actuated member disposed in the path of sparks projected from said unit, said member being a straight bar having a laterally disposed torch-engaging section at the top thereof, said bar, throughout the length thereof, being rectangular and of substantially greater width than thickness, said bar comprising a plurality of sections each of different width.

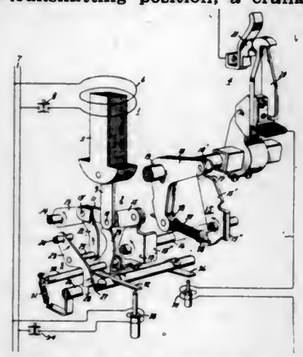
2,152,453

OPERATING MECHANISM

Winfield A. Atwood, Yeadon, and George Rudolph, Manoa, Pa., assignors to General Electric Company, a corporation of New York

Application June 16, 1937, Serial No. 148,498
12 Claims. (Cl. 200—89)

1. Operating mechanism comprising actuating means, a linkage operatively connected to said means, tripping means for holding said linkage in thrust-transmitting position, a crank operatively connected to said linkage and a cam actuated by and movable with said crank, said cam being offset along the axis of rotation of said crank.

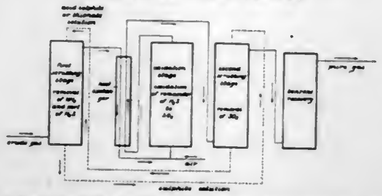


2,152,454

WET PURIFICATION OF GASES, ESPECIALLY COAL DISTILLATION GASES

Hans Baehr, Leuna, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application September 10, 1936, Serial No. 100,212
In Germany September 14, 1935
7 Claims. (Cl. 23—3)



1. The process of removing ammonia, hydrogen sulphide and a benzene hydrocarbon from a gas containing the same which comprises scrubbing said gas at ordinary temperature with an acid solution comprising a compound selected from the group consisting of ammonium thionate, ammonium sulphite and ammonium bisulphite, thereby removing ammonia and part of the hydrogen sulphide from the gas, then subjecting the whole of said gas to an oxidizing treatment converting the remaining hydrogen sulphide into sulphur dioxide, scrubbing the resulting gas with the solution issuing from the first scrubbing stage, returning the resulting solution to the first scrubbing stage, and thereafter treating the resulting gas for the removal of benzene hydrocarbons.

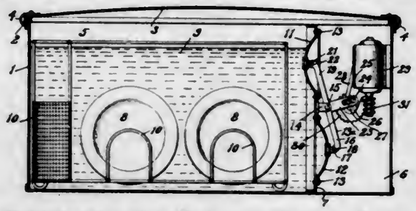
2,152,455

DISHWASHING MACHINE

George K. Ballentine, Ridgewood, N. J.

Application October 28, 1938, Serial No. 237,377
6 Claims. (Cl. 259—98)

1. A machine of the character described comprising a receptacle for containing a single body of washing fluid and dishes to be washed thereby, said receptacle having a wall portion including movable elements mounted one above the other for movement to and from the one body of washing fluid to shift the same bodily at different levels in the receptacle, and means for simultaneously moving said elements in opposite directions, the interior of the receptacle being



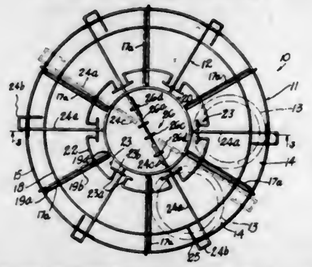
undivided whereby free unrestricted flow and turbulence of the body of water occurs under movement of the movable elements.

2,152,456

TUMBLER BASKET FOR COLLECTIVE DISHWASHING

Catherine Barrie, Cold Spring Harbor, N. Y.

Application November 16, 1937, Serial No. 174,793
11 Claims. (Cl. 141—9)



3. A device including a reticulated means for receiving and holding dishes and affording substantial openings for the washing and air drying of the dishes therein through said openings, comprising a container consisting of a material which will not be substantially affected by repeated and prolonged exposure to water, said container having means therein for holding a series of dishes in spaced predetermined relation to each other and with the concavities of the dishes facing upward, and closure means for the container coacting with the latter to assure reliable retention of the dishes in the relation mentioned upon inverting the container to cause draining and air drying of the dishes, the dish holding means being arranged about a central point, and the closure means being mounted for angular movement about an axis coincident with said center point, the closure means having openings and intermediate bars, said openings and said bars selectively registering with the dish holding means according to the position to which the closure means has been moved.

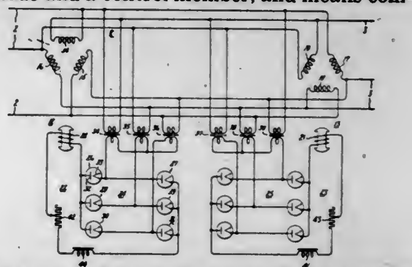
2,152,457

ELECTRIC CIRCUIT

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1938, Serial No. 216,988
32 Claims. (Cl. 171—97)

32. In combination, a constant voltage alternating current circuit, a constant current alternating current circuit, apparatus connected between said circuits for transforming constant voltage alternating current into alternating current of constant value and comprising an alternating current dynamo-electric machine of the synchronous type having an armature winding and a field winding, a source of alternating voltage of substantially constant value, an electric valve means connected between said field winding and said source and comprising an anode, a cathode and a control member, and means comprising a saturable inductive device for impressing on said control member a periodic voltage of peaked wave form variable in phase with respect to the anode-cathode voltage of said electric valve to transmit variable amounts of unidirectional current to said field winding in accordance with an electrical condition of said machine.

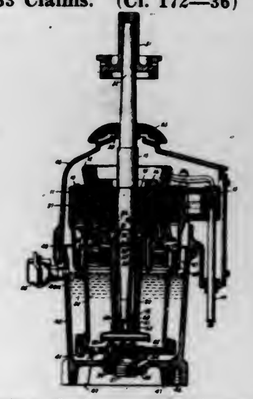


2,152,458

MOTOR

Sven R. Bergman, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application May 8, 1937, Serial No. 141,539
33 Claims. (Cl. 172—36)



1. A spinning device comprising an electric motor including a stationary member and a rotatable member having a vertically extending shaft, an axially extending bearing housing arranged about the lower portion of said vertically extending shaft, a bearing mounted on said bearing housing adjacent said rotatable member and arranged to support said rotatable member, and resilient means arranged adjacent said bearing for resiliently supporting said rotatable member through said bearing housing on said stationary member.

2,152,459

VENT PIPE FOR STORAGE TANKS

George Arthur Biasco, New York, N. Y.

Application January 15, 1937, Serial No. 120,757
1 Claim. (Cl. 116—110)

In combination with a storage tank, for liquids under pressure, having an intake pipe; of a vent

pipe, open at both ends, having an upwardly extending portion exteriorly of the tank and a downwardly extending portion interiorly of the tank, said downwardly extending portion having at a point above its lower end an opening into the tank of lesser area than the diameter of said downwardly extending portion, which opening establishes communication between the tank and said vent pipe, a valve actuated by the rise of liquid in said tank to thereby close the lower end



of the downwardly extending portion; and an audible signaling device, located in said downwardly extending portion adjacent said opening, to first sound an audible signal, after said valve is closed by the liquid, by reason of gas escaping from the tank through the opening to the vent pipe, and then to become submerged and silenced by the accumulation of a body of liquid in said vent pipe after the rising liquid in the tank enters the opening aforesaid.

2,152,460

MANUFACTURE OF PHOTOGRAPHIC GELATIN EMULSIONS

Emil Joachim Birr, Bitterfeld, and Hans Fricke and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application July 10, 1935, Serial No. 30,636. In Germany July 14, 1934

3 Claims. (Cl. 95—7)

1. A photographic silver halide gelatin emulsion containing amino purines in an amount of about 10 milligrams per kilo of dry gelatin.

2,152,461

METHOD FOR THE PRODUCTION OF AN ALKALI METAL SALT OF A MONO-ALKYL TRITHIOCARBONATE

William T. Bishop, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 10, 1937, Serial No. 153,062

6 Claims. (Cl. 260—455)

1. A method for the manufacture of an alkali metal salt of a mono-alkyl trithiocarbonate, which comprises reacting an alkyl mercaptan with an aqueous solution of an alkali metal hydroxide which contains dissolved therein the alkali metal salt of the mono-alkyl trithiocarbonate and with carbon disulfide, and crystallizing and separating the mono-alkyl trithiocarbonate from the reaction mixture.

2,152,462

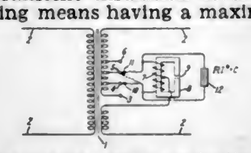
ELECTRIC CIRCUIT

Louis F. Blume and Loyal V. Bewley, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application December 30, 1937, Serial No. 182,640

13 Claims. (Cl. 171—119)

9. In a load ratio control circuit, a transformer winding provided with taps, a preventive reactor adapted to be connected to bridge adjacent taps on said winding, switching means for making and breaking said bridging connection, said reactor having a transient insulation level of V volts, said switching means having a maximum cut-off



current of *i* amperes, and a protective impedance shunting said reactor and having such a value that a current through it of *i* amperes will produce a voltage drop which is exceeded by the transient insulation level of V volts.

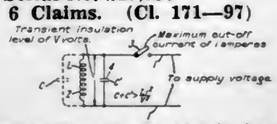
2,152,463

ELECTRIC CIRCUIT

Louis F. Blume and Loyal V. Bewley, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Original application December 30, 1937, Serial No. 182,640. Divided and this application June 15, 1938, Serial No. 213,880

6 Claims. (Cl. 171—97)



6. An electric circuit adapted to be connected to a source of current and containing, in combination, an inductive element of L henrys connected to carry a current supplied by said source, said inductive element having a natural capacitance of C farads, a current interrupting element connected in circuit with said inductance element, said circuit having a transient insulation element of V volts, said current interrupting element having a maximum cut-off current of *i* amperes, and a capacitor connected in shunt with said inductive element, said capacitor having an inductive value of C′ farads such that $C+C'$ is greater than

$$\frac{Li^2}{V^2}$$

2,152,464

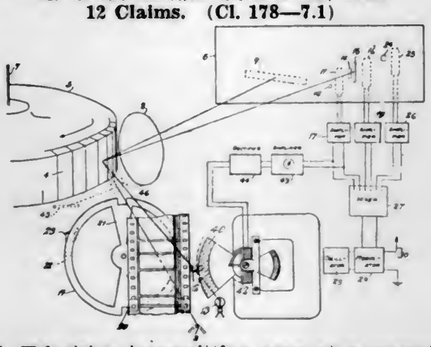
TELEVISION AND THE LIKE SYSTEM

Cecil Oswald Browne, West Acton, London, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain

Application October 10, 1934, Serial No. 747,738

In Great Britain October 12, 1933

12 Claims. (Cl. 178—7.1)



1. Television transmitting apparatus comprising a scanning device for generating from an object to be transmitted trains of picture signals having intervals between successive trains, an amplifier for amplifying substantially only those components of said signals which have a frequency exceeding a predetermined value, means for utilising the components of said signal having frequencies below said predetermined value to obtain a series of pulses of constant amplitude with respect to a fixed datum line, each of said pulses occurring in one of said intervals and having an energy corresponding to the average energy of a plurality of said trains of picture signals, and means for modulating a carrier with the first named components of said signal and said pulses sequentially so that they be on opposite sides of the datum line fixedly related to black in said object.

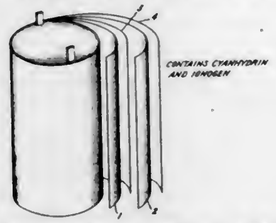
2,152,465

ELECTRIC CAPACITOR

Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application April 1, 1938, Serial No. 199,480

5 Claims. (Cl. 175—315)



1. An electrolyte composition adapted for use in electric capacitors comprising as essential constituents a cyanhydrin and an ionogen.

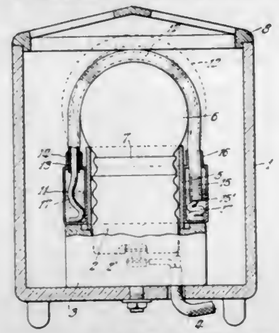
2,152,466

VAPORIZER

James B. Clyne, Chicago, Ill., assignor to L. Bruce Grannis, Chicago, Ill.

Application June 3, 1936, Serial No. 83,296

3 Claims. (Cl. 219—45)



1. In a vaporizing device of the kind described and in combination, a support having an enclosure surrounding the same and provided with a heating element, an annular container surrounding said element and carried by said support, a flexible spirally wound wire conduit having its ends projecting into the container, one end being relatively adjustable in the container, a wick arranged within the conduit with its ends extended into the container, said conduit extended into proximity to the heating element and adjustable relative thereto whereby the same may be arranged a predetermined distance from the heating element, the spaces between the coils of the conduit constituting discharge openings for the escape of vapors from the wick.

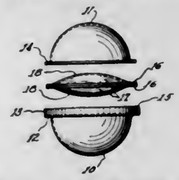
2,152,467

COOLING DEVICE

Stephen A. Crosby, New York, N. Y.

Application February 8, 1936, Serial No. 62,927

11 Claims. (Cl. 62—1)



1. A cooling device comprising a shell, aqueous substance within said shell, and a resilient body supported in said substance.

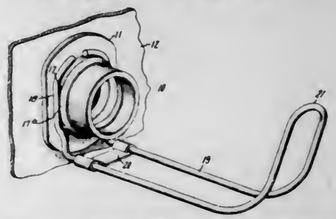
2,152,468

LAMP HOLDER FOR REFRIGERATORS OR THE LIKE

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application October 16, 1937, Serial No. 169,425

4 Claims. (Cl. 240—102)



1. In a lamp holder assembly, a support adapted to be mounted in a wall and having an opening therein, a lamp holder nested in said opening, said lamp holder having a flange engaging one side of said support and being provided with abutment surfaces on the other side of said support, and a lamp guard carried by said lamp holder on the other side of said support, said guard having spaced arms engaging said abutment surfaces and cooperating with said flange to lock said lamp holder in said support.

2,152,469

HOBBING MACHINE

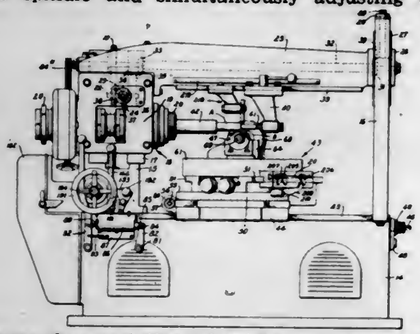
John Edgar, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application September 11, 1935, Serial No. 40,041

18 Claims. (Cl. 90—3)

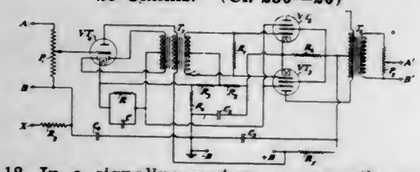
1. A hobbing machine comprising, in combination, a work spindle, means for supporting said spindle in a fixed position, a saddle adjustable axially of said spindle, a hob spindle, means on said saddle for supporting said hob spindle for translation in different selective angular directions relative to said work spindle including a direction axially of said work spindle and a direction perpendicular to said work spindle and for adjustment into different angular positions relative to the direction of translation, power drive means for rotating said spindles in timed rela-

tion, and power drive means for translating said hob spindle and simultaneously adjusting the



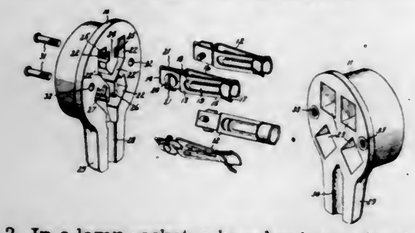
rotary phase relation of said spindles in timed relation to the translation of said hob spindle.

2,152,470
WAVE SIGNALING SYSTEM
John F. Farrington, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 18, 1935, Serial No. 16,949
25 Claims. (Cl. 250—20)



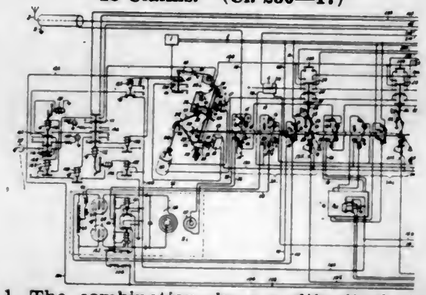
18. In a signaling system, a normally operative electronic repeater, means for impressing static affected bearing waves upon said repeater, means for rectifying at least a portion of all of said waves, and means responsive to rectified static components of said waves of an amplitude greater than a predetermined value for disabling said repeater for periods corresponding substantially to the actual duration of said components.

2,152,471
LAMP SOCKET
Elwood E. Folsom, Trumbull, Conn., assignor to General Electric Company, a corporation of New York
Application October 12, 1938, Serial No. 234,657
6 Claims. (Cl. 173—332)



2. In a lamp socket, a base having a plurality of recesses therein, two of said recesses extending toward each other and forming a channel, other recesses disposed at an angle to each other on each side of said channel, a cover having a plurality of recesses in alinement with the recesses in said base, and contact elements having terminal portions and spaced contact blades for engaging the connector prongs of a lamp, the terminal portions of said contacts being mounted loosely within the recesses in said base and the blades of said contacts extending into the recesses in said cover whereby said contacts are completely enclosed within said base and cover, the recesses in said cover being provided with openings for insertion of the connector prongs of a lamp into engagement with said contact blades.

2,152,472
PROTECTIVE EQUIPMENT
George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application August 14, 1935, Serial No. 36,157
Renewed December 31, 1938
18 Claims. (Cl. 250—17)



1. The combination, in a multiunit electrical apparatus, of means connecting the different units of said apparatus in operating circuit relation with each other, additional means to energize each unit, means responsive to a fault in any unit for deenergizing all of said units while maintaining the connection of said units in circuit relation with each other, and means responsive to continuation of said fault for more than a predetermined interval to disconnect the unit in which said fault occurred from operating circuit relation with the other of said units.

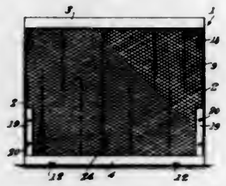
2,152,473
TREATMENT OF COMBUSTIBLE GASES
Roland Hall Griffith and Blick Crawley, London, England, assignors to The Gas Light & Coke Company, London, England, a British company
No Drawing. Application June 18, 1937, Serial No. 148,953. In Great Britain May 13, 1936
7 Claims. (Cl. 23—3.1)

1. A catalytic process for the conversion to ammonia of free oxides of nitrogen in industrial combustible gases containing free hydrogen and organic compounds of sulphur but containing no hydrogen sulphide which process comprises passing the gas at a temperature between 100° and 200° C. into contact with a catalyst consisting of the product of reducing a compound selected from the group consisting of the non-nitrogenous oxygen-containing compounds of nickel and cobalt with a gaseous reducing agent containing an organic sulphur compound.

2,152,474
FIRE SCREEN
Adolph Gromes, Hoboken, N. J.
Application August 3, 1938, Serial No. 222,847
5 Claims. (Cl. 126—202)

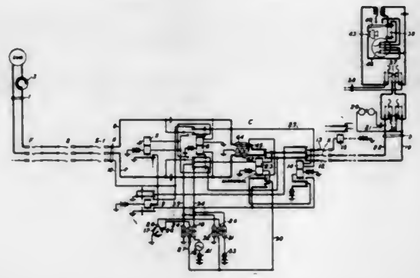
2. A fire screen comprising a framework having cross-top and side elements, two non-aligned bars extending one from the vicinity of each side

element to beyond the center of the screen, and two panels, one slidably hung on each of the bars, and said panels together being enough



wider than the framework opening that an overlap occurs at the center, and each panel extending partially above the cross-top element.

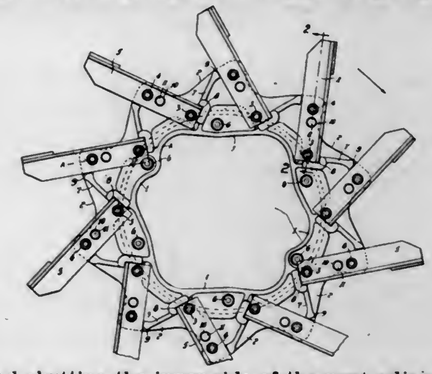
2,152,475
SIGNALING SYSTEM
Clair W. Halligan, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1938, Serial No. 198,713
6 Claims. (Cl. 179—18)



1. The combination with a line of a source of ringing current, a supply circuit for connecting said source of current to said line, a variable-resistance element in said supply circuit having a normal resistance sufficiently high to prevent the flow of ringing current to said line, and automatic means operating periodically to cause a gradual reduction in the resistance of said element to permit a corresponding gradual increase in the flow of ringing current from said source over said line.

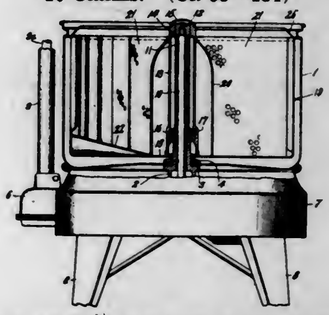
2,152,476
TRACTOR ATTACHMENT FOR WHEELS
William Edward Hardeman, Acocks Green, Birmingham, and Reginald Frank Daw, Stechford, Birmingham, England, assignors to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application August 20, 1937, Serial No. 160,006
In Great Britain August 22, 1936
5 Claims. (Cl. 301—39)

1. A tractor attachment for vehicle wheels comprising a supporting ring, a plurality of strakes detachably mounted on said ring with one side tangent to a circle within and concentric with said ring and with ends operatively projecting beyond the periphery of said ring, and load sustaining lugs on the ring, each lug fitting against the inner end and outer side of one strake



and abutting the inner side of the next adjacent strake.

2,152,477
WASHING MACHINE
David Hays, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application August 31, 1937, Serial No. 161,771
10 Claims. (Cl. 68—154)

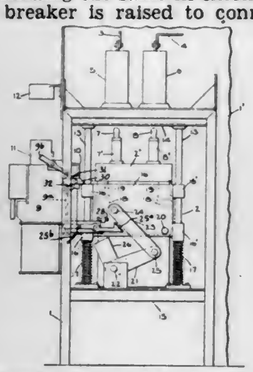


1. In a washing machine, a tub, a receptacle within the tub having peripheral and bottom walls, perforate radial partitions forming therewith compartments for clothes such that clothes are respectively retained in the compartment in which initially placed, means for oscillating the receptacle whereby the clothes are subjected to alternate impacts with the partitions, and stepped portions on the bottom walls of the receptacle whereby the clothes are given circulatory movement in a vertical plane during the oscillation of the receptacle.

2,152,478
ELECTRIC SWITCH GEAR
Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application June 5, 1936, Serial No. 83,663
5 Claims. (Cl. 175—298)

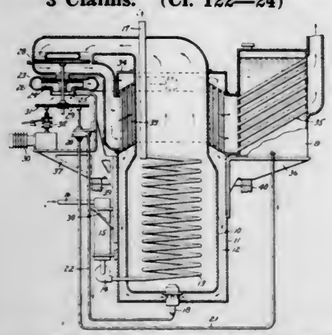
1. Electric switchgear of the draw-out type comprising a stationary supporting frame, a circuit breaker adapted to be tripped by manual means bodily movable in a vertical direction in said frame to connected and disconnected positions, a linkage forming a toggle including a manually operated bell crank pivotally supported on said frame and a link interconnecting said bell crank and said breaker, said toggle being collapsed in the lowered position of said breaker, a latch mounted on said frame for engaging said

toggle and holding the same in extended position when said breaker is raised to connected posi-



tion, and means for releasing said latch when said breaker is tripped by said manual means.

2,152,479
PRESSURE COMBUSTION BOILER
Bruno Hoffmann, Berlin-Spandau, Germany, assignor to General Electric Company, a corporation of New York
Application February 15, 1937, Serial No. 125,901
In Germany February 28, 1936
3 Claims. (Cl. 122—24)

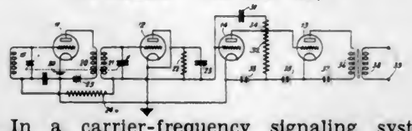


2. A pressure combustion boiler including the combination of a boiler proper having an inner and an outer casing forming a chamber for preheating combustion air, a burner, means including a gas turbine receiving combustion gases discharged from the boiler and a blower driven by the turbine for forcing air through said chamber, a tank and a fuel pump for forcing fuel into the burner, the gas turbine together with the centrifugal blower and the fuel pump being supported on one side of the casing and the fuel tank being supported on the opposite side of the casing.

2,152,480
COMPOUNDS OF THE ANTHRAQUINONE SERIES
Heinrich Hopff, Helmut Eichel, and Adolf Diebold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1937, Serial No. 172,590. In Germany November 4, 1936
5 Claims. (Cl. 260—377)

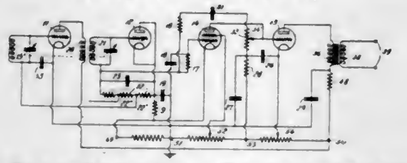
1. A compound of the anthraquinone series having at least one group —NH—C_2H_4—CO—X, X being a radical selected from the class consisting of hydrogen and the alkyl and mononuclear unsubstituted aryl groups.

2,152,481
NOISE SUPPRESSOR
John Kelly Johnson, Rye, N. Y., assignor to Hazeltine Corporation
Application April 6, 1932, Serial No. 603,490
10 Claims. (Cl. 250—20)



5. In a carrier-frequency signaling system tunable over a range of carrier-frequency channels and including a detector and an audio-frequency amplifier, said amplifier being normally biased to cut-off, an arrangement for suppressing interchannel disturbances and voltages below a predetermined value comprising a screen grid noise suppressor tube coupled to said detector, an impedance in the output circuit of said tube for modifying the bias of said amplifier, the bias of said noise suppressor tube and the polarity of the voltage applied thereto from said detector being such that the bias of said amplifier is raised above cutoff only upon the reception of signals above said predetermined value, means for applying an adjustable voltage to the screen grid of said noise suppressor tube to adjust said cut-off level.

2,152,482
NOISE SUPPRESSOR
John Kelly Johnson, Rye, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Application November 21, 1932, Serial No. 643,652
6 Claims. (Cl. 250—20)



1. In a radio receiver, a detector and an audio-frequency amplifier comprising a tube having a cathode, anode, control electrode and a screen electrode, said detector having in its output circuit a resistance across which there is developed a uni-directional voltage dependent upon the intensity of signals applied to said detector, and a connection from a point of said resistance to said screen electrode for causing the transmission through said tube to be greatly reduced when said signal intensity falls below a predetermined value.

2,152,483
CASKET HANDLE
Ben F. Johnson, Connersville, Ind., assignor to National Metal Products Co., Inc., Connersville, Ind., a corporation of Indiana
Application November 1, 1938, Serial No. 238,129
10 Claims. (Cl. 16—111)



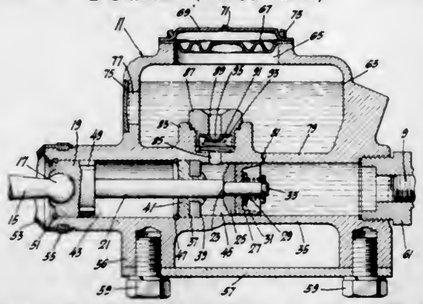
1. A casket handle formed entirely from thin sheet metal and having joined together an exposed face portion adapted to be formed into an ornamental design, a hand grip portion at the bottom of the exposed face portion and extending the full length of the exposed face portion,

and a mounting or supporting portion extending rearwardly of the exposed face portion for the full length thereof and terminating in a portion substantially parallel to and spaced from the exposed face portion.

2,152,484
EMBALMING
Hilton Ira Jones, Wilmette, Ill., assignor to The Naselmo Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 10, 1936, Serial No. 63,211
3 Claims. (Cl. 27—21)

1. In the art of preservation, a desiccating composition which upon taking up water liberates carbon dioxide comprising an anhydrous acidic desiccating agent and a compound selected from the group consisting of alkali and alkaline earth carbonates and bicarbonates.

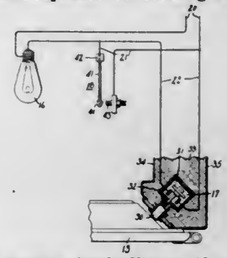
2,152,485
MASTER CYLINDER FOR HYDRAULIC BRAKES
Carl H. Kindl, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1934, Serial No. 750,526
1 Claim. (Cl. 60—54.6)



In a hydraulic brake system, a master cylinder, a piston slidable within said cylinder, a head reciprocable in one end of said cylinder, a rod connecting said head and piston, sealing means secured in said cylinder between said head and piston, said rod slidable through said sealing means, said cylinder having a discharge outlet at its other end, a reservoir integral with said cylinder, a restricted opening between said reservoir and cylinder at that part of the latter corresponding with the retracted position of the piston, said cylinder having a boss integral therewith and projecting into the reservoir, a valve controlled passage in said boss affording communication between the reservoir and that part of the cylinder between the piston and the sealing means, and means engaging said head to reciprocate said head and piston.

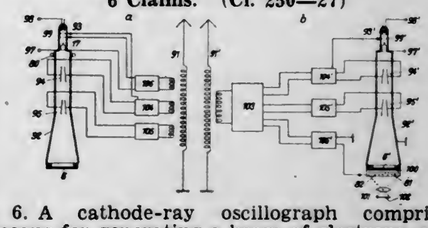
2,152,486
CONTROL AND ILLUMINATING OF REFRIGERATOR CABINETS
James L. Knight, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 3, 1936, Serial No. 108,955
4 Claims. (Cl. 236—1)

1. A refrigerated compartment provided with a door, an electric lamp arranged to illuminate and to heat said compartment, an electric circuit for said lamp, illumination control means including a switch in said circuit for closing said circuit in response to opening said door and for opening said circuit in response to closing said door, and



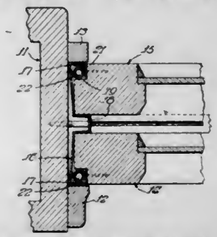
heat control means including a thermostatic device responsive to the temperature within said compartment for independently controlling said circuit.

2,152,487
CATHODE RAY OSCILLOGRAPH
Max Knoll, Berlin-Charlottenburg, Germany
Original application November 18, 1929, Serial No. 408,006. Divided and this application February 5, 1935, Serial No. 5,136. In Germany December 12, 1928
6 Claims. (Cl. 250—27)



6. A cathode-ray oscillograph comprising means for generating a beam of electrons, a receiving member in the path of said beam, means for intercepting the beam, beam deflecting means, a signal circuit, a deflecting control circuit operatively separate from said signal circuit, and common control means for controlling said intercepting means and said beam deflecting means.

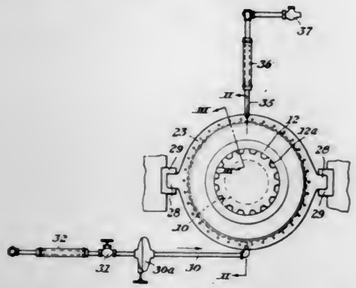
2,152,488
WINDOW CONSTRUCTION
George A. Kreuscher, Kenosha, Wis., assignor to W. J. Dennis & Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,417
8 Claims. (Cl. 20—12)



1. In a window, the combination with a casing having laterally spaced substantially parallel inner and outer stops rigidly secured thereto, of an elongated member formed of resilient material positioned between said stops and laterally movable with respect to the sides of said casing and having oppositely disposed free edge portions movable toward and away from said stops, said member having an elongated substantially U-

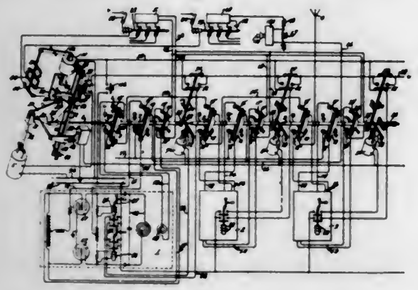
shaped projection adjacent its central longitudinal portion and forming a hollow intermediate stop, and upper and lower sash members slidably mounted, respectively, between said intermediate stop and the inner and outer stops secured to said casing.

2,152,489
BRAKE
Howard Stanly Lamb, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application August 5, 1935, Serial No. 34,755
10 Claims. (Cl. 188—83)



1. A brake for a rotating member comprising a plurality of disks secured to said member for rotation therewith, an annular expansible chamber between each two adjacent disks, means for supplying fluid under pressure to the chambers to cause them to expand and engage said disks, and a restricted outlet in said chamber providing cooling circulation of fluid therethrough.

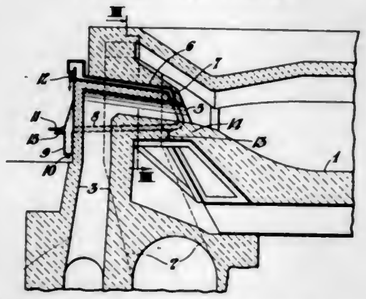
2,152,490
PROTECTIVE APPARATUS
Edward A. Leach, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1935, Serial No. 36,752
19 Claims. (Cl. 179—171)



1. The combination, in a switching scheme, of a plurality of electrical operating units, switching means individual to each of said units for connecting said units to a circuit common to all of said units, common actuating means for said individual switching means, and individual actuating means therefor, said common actuating means being responsive to a fault in any of said units to operate all of said individual switching means to disconnect individually each of the different units from said circuit, and means responsive to the fault to operate the actuating means individual to the unit in which the fault occurred to alter the respective individual switching means, and subsequently to actuate said common actuating means to connect the other of said units to said circuit while said one unit in which said fault occurred remains disconnected.

7. The combination, of a switch actuating member adapted for longitudinal movement, a plurality of movable contact members carried thereby arranged for substantially simultaneous longitudinal movement therewith from circuit closed position to circuit opened position and also to rotate thereon, means to operate said actuating member to move all of said contacts longitudinally thereof from one of said positions to the other, and means selectively to rotate any of said contact members while all of said contact members are in the open circuit position.

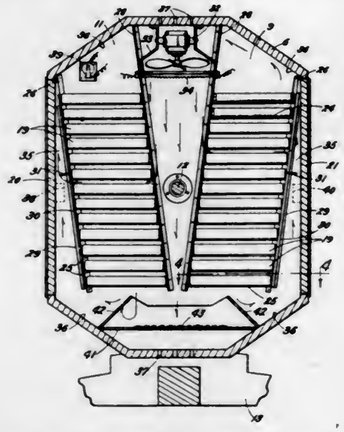
2,152,491
GAS-PORT COOLER
Samuel Naismith, Chicago, Ill., assignor to Open Hearth Combustion Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1936, Serial No. 118,402
1 Claim. (Cl. 122—6.5)



A furnace including a gas chamber opening upwardly to a heating zone, a refractory arch built over the opening of said chamber to form a gas-port having a backwardly angling front end pointing toward said zone, a hollow-walled metal arch inside said refractory arch and extending from the front of the latter back to a location outside of said furnace, a refractory lining for said furnace and means for supporting said metal arch independently of said refractory arch and lining, said metal arch having a backwardly angling front end and internal side bottoms that decline backwardly and are provided with downwardly extending sediment trapping means located exteriorly of the furnace brickwork and having drain openings, the hollow wall of said metal arch having an inlet and an outlet for cooling water.

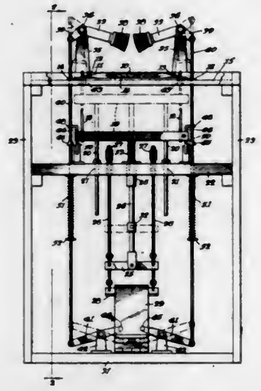
2,152,492
INCUBATOR
William J. Needels, Cincinnati, Ohio
Application August 20, 1936, Serial No. 97,028
3 Claims. (Cl. 119—37)

1. In a device of the character described the combination of a closed cabinet having a top, a bottom, and vertical side walls, an inclined tier of spaced egg trays positioned adjacent each of two opposing side walls of the cabinet and comprising a plurality of divergently arranged tray supports mounted in the cabinet, similarly proportioned trays slidably held on the supports, the inward edge of each tray projecting beyond the tray next above it, and a fan secured to the cabinet centrally above the inner top edges of the trays and adapted to direct air to said tray



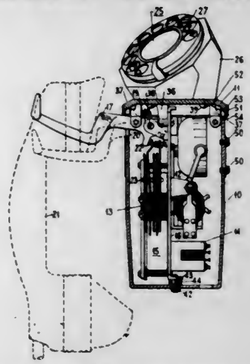
edges whereby to deflect said air laterally across the contents of the trays.

2,152,493
APPARATUS FOR FASTENING ATTACHMENT LOOPS TO SANITARY NAPKINS
Herbert Newman, London, England, assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application May 22, 1936, Serial No. 81,240
In Great Britain August 15, 1935
7 Claims. (Cl. 112—2)



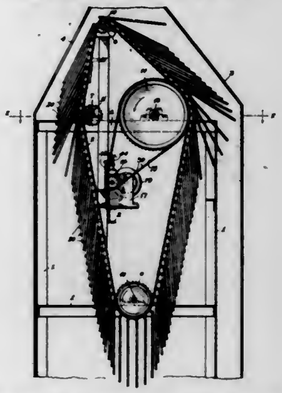
6. In apparatus of the class described, a work table provided with means for positioning and supporting a sanitary napkin having an end tab and a preformed endless loop freely surrounding said end tab, a hooked needle, means for reciprocating said needle so as to pass the hooked end portion thereof through said tab when the needle is moved in one direction, and means for effecting movement of a portion of said loop positioned on that side of the tab opposite to the needle into engagement with the projecting needle portion so as to cause the hooked end portion of the needle, upon return movement, to pull said loop portion through the tab, thereby to cause another portion of the loop to embrace and gather together a portion of the tab and whereby the loop is secured to the tab.

2,152,494
TELEPHONE-HAND-SET MOUNTING
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 26, 1937, Serial No. 144,827
12 Claims. (Cl. 179—100)



1. In a mounting for telephone hand sets, a housing, a dial mechanism supported by said housing, said housing being adapted to be mounted in either of two positions corresponding to the two ends of a desk or table, said dial mechanism occupying the same position with respect to said housing when said housing is mounted in either one of said positions, switching mechanism within said housing, said switching mechanism including a switchhook adapted to extend outside said housing, and means for supporting said switching mechanism within said housing in either of two positions such that said switchhook is adapted to extend in the same direction when said housing is mounted in either one of said two positions.

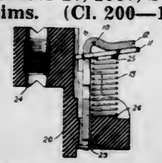
2,152,495
ADVERTISING DISPLAY
Walter Otto, New York, N. Y.
Application June 8, 1938, Serial No. 212,460
10 Claims. (Cl. 40—97)



1. A display device comprising an endless flexible member mounted so that it will travel through a predetermined path, an electric motor, a driving connection between the motor and flexible member whereby the flexible member is caused to travel through the said predetermined path, a control circuit for said electric motor having a manually operated switch which is

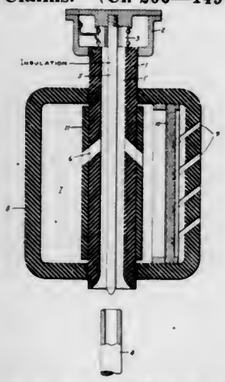
normally open whereby the circuit may be temporarily closed and having another switch which is normally closed and which is provided with means for opening the switch when the flexible member has travelled a predetermined distance, a placard having a plurality of display faces, and means for supporting the placard on the flexible member so that it can shift longitudinally and pivot with respect to the flexible member whereby upon the rotation of the flexible member through the predetermined path the several display faces of the placard are successively exhibited.

2,152,496
ELECTRIC SWITCH
Joseph W. Owens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 17, 1937, Serial No. 164,365
5 Claims. (Cl. 200—166)



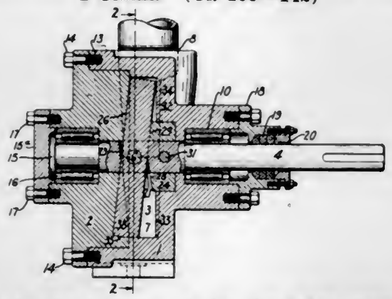
1. In an electric switch, a supporting member, an elongated support having one end secured to said supporting member and its other end provided with a transversely extending projection, a contact member normally resting against the end of said projection, an extension on said contact member engaging said support and slidably connected to said support, a stop on said support, and a spring having one end bearing on said supporting member and its other end in engagement with said extension on said contact member at a point between said stop and the end of said projection to thereby hold said contact member against said stop and said projection.

2,152,497
ELECTRIC CIRCUIT BREAKER
Franz Petermichl, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application May 4, 1938, Serial No. 205,955
In Germany July 29, 1937
4 Claims. (Cl. 200—149)



1. An electric circuit breaker of the gas expulsion type comprising relatively movable contacts, an insulating arc-confining structure within which separation of said contacts takes place, said structure being substantially closed at one end adjacent the point of initial contact separation and open at the opposite end and also having an intermediate opening for venting said structure independently of said end opening, and a gas-cooling exhaust chamber in communication with said intermediate opening, said chamber substantially surrounding said arc-confining structure and being vented in a direction away from said end opening.

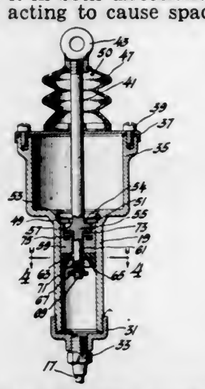
2,152,498
ROTARY PUMP
Francisco Angel Quiroz, Newark, N. J.
Application January 14, 1937, Serial No. 120,465
1 Claim. (Cl. 103—142)



In a rotary pump of the character described in combination a casing having a cylindrical pump chamber therein, said chamber having a perpendicular wall at one end thereof, a wall extending obliquely to the chamber axis at the other end thereof, and a cylindrical wall joining said end walls, said perpendicular wall being provided with a diametrical raised portion extending into the chamber and forming a rib, a fluid inlet port in the cylindrical wall of the chamber extending from one end and side of said rib, a fluid outlet port in the cylindrical wall of the chamber extending from the same end but opposite side of said rib and in the opposite direction from said inlet port, said perpendicular wall and rib having a central bore extending therethrough, a shaft rotatably mounted in said bore and extending into said chamber, a rotor of the same diameter as said chamber fixedly mounted on said shaft within said chamber, said rotor having three faces, one face perpendicular to its axis and the opposite face thereof conical, the third face thereof being cylindrical and joining said other two faces, the perpendicular rotor face being mounted in close contact along the entire rotor diameter with the said rib, the conical rotor face being in close contact with a radial line of the oblique end of the chamber, said rotor having a diametrical slot therein extending throughout the length of the rotor and of a width slightly less than the width of the rib, and a fluid impelling blade of the same width as the slot mounted in said rotor slot to oscillate toward and from the chamber end walls, said blade being so mounted as to have constant contact at one side with the oblique end wall during rotor rotation and to provide a space in the rotor slot at the end thereof adjacent the perpendicular chamber end wall, said space being open to fluid pressures in the pump chamber except when said slot is opposite the rib.

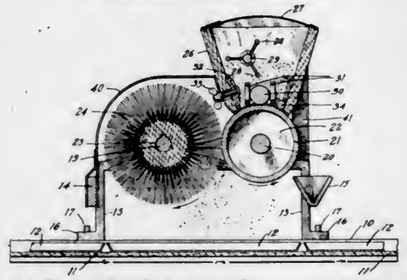
2,152,499
MASTER CYLINDER FOR HYDRAULIC BRAKES
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 1, 1936, Serial No. 82,702
1 Claim. (Cl. 60—54.6)

A master cylinder for a hydraulic brake system, a main piston movable in said cylinder, a piston rod mounted to reciprocate axially relative to said main piston, an inner piston positively connected to said rod, cooperating seal and seat members carried by said main piston and inner piston, means whereby said rod constitutes the sole means for moving said inner piston and is adapted to move it in both directions, movement in one direction acting to cause spaced relation



between the seal and the seat, movement of the rod in the opposite direction operable to effect contact of said seat and seal, both piston and inner piston thereafter moving together, said means whereby the rod moves the main piston when the seat and seal are spaced comprising a compressible spring between the main piston and the end of the rod.

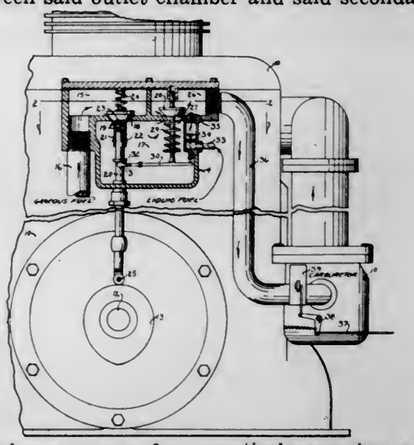
2,152,500
FLOUR DUSTING MACHINE
Peter Rasmussen, Denver, Colo.
Application March 29, 1938, Serial No. 198,733
4 Claims. (Cl. 107—7)



1. A flour dusting machine comprising: an open-bottomed flour hopper; a roller closing the open bottom thereof; depressions in said roller for receiving flour from said hopper; a free, unsupported weighted press roll in said hopper lying upon said roller and acting to press flour into said depressions; a scraper in said hopper contacting said roller as it leaves said hopper for removing flour from the surface of said roller and allowing it to remain in said depressions; a rotary brush for sweeping the flour from said depressions; and means for rotating said brush and said roller.

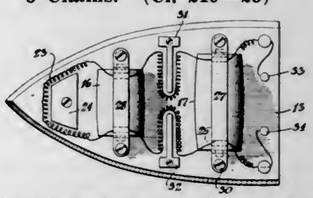
2,152,501
GAS FUEL REGULATOR
Claud L. Robinson, Des Moines, Iowa
Application December 17, 1937, Serial No. 180,385
8 Claims. (Cl. 123—121)

1. In a device of the class described, an inlet chamber designed to be in communication with a source of fuel under pressure, a secondary chamber, a reciprocating valve imposed between said inlet chamber and said secondary chamber, a push rod in slidingly yielding engagement with said valve, a means for reciprocating said push rod, an outlet chamber, a second valve imposed between said outlet chamber and said secondary



chamber, a means for operatively securing said second valve to said push rod; said second mentioned valve so actuated as to be closed when said first mentioned valve is opened and opened when said second mentioned valve is closed, and an outlet in communication with said outlet chamber.

2,152,502
ELECTRIC IRON
Alfred C. Schmidt, Teaneck, and Charles W. Bruger, North Bergen, N. J.
Application March 27, 1937, Serial No. 133,292
3 Claims. (Cl. 219—25)

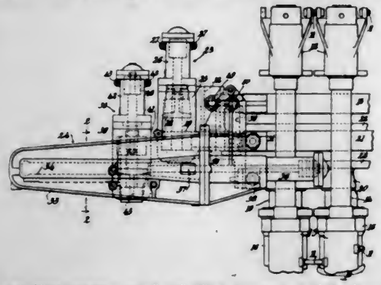


1. An electric sadiron comprising a plurality of rollers tapered from the center towards the ends, and located within chambers in said iron extending from said chambers in part substantially flush with the bottom or smoothing plate of the iron, a heating coil within said iron of considerable length, and means to guide said coil over and between said rollers.

2,152,503
VULCANIZING AND STRETCHING PRESS
Carl F. Schnuck, New Haven, Conn., assignor to Farrel-Birmingham Company, Ansonia, Conn., a corporation of Connecticut
Application October 25, 1937, Serial No. 170,792
9 Claims. (Cl. 18—17)

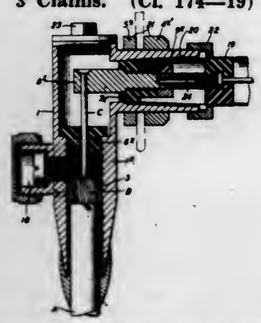
8. The combination with a multiple belt press or the like comprising a frame, a plurality of platens located in said frame including an upper, an intermediate, and a lower one, and means for moving said platens together to compress belting material therebetween; of a stretching frame comprising a pair of spaced side pieces each having pivotal connection with one of said

platens, other than the upper one, at one end of the press, vertical ways in said side pieces, a clamping member slidably mounted in said side pieces, and means for moving said clamping member in horizontal direction; of a clamping frame disposed between the side pieces of the stretching frame and pivotally connected with another of said platens, other than the upper



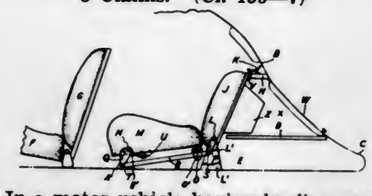
one, at the same end of the press; said clamping frames having vertical ways therein; of rollers carried on the upper platen for engaging the vertical ways of the clamping and stretching frames; and of means located at the opposite ends of the press cooperating with said clamping and stretching frames for subjecting belting material or the like to tension while holding it in position to be compressed between the platens.

2,152,504
COAXIAL CABLE TERMINAL
Thomas R. Scott and Thomas E. D. Menzies, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1936, Serial No. 86,248
In Great Britain July 8, 1935
3 Claims. (Cl. 174—19)



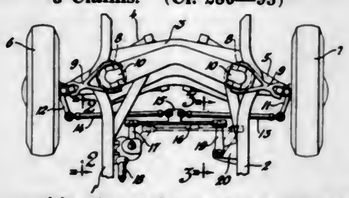
1. A terminating device for a coaxial cable having a tubular conductor and a wire conductor disposed in concentric relation, said device comprising a casing of conducting material having portions disposed at an angle relative to each other, a sleeve soldered to the tubular conductor of the cable and threadedly engaging one of said portions, an insulating bushing threading into said casing at a point adjacent said sleeve for supporting the wire conductor in concentric relation with said casing portion, another insulating bushing threading in the other of said casing portions, a conducting link secured to the last-mentioned bushing and having means for engaging the end of the wire conductor of the cable for establishing electrical connection therewith, and a plug mounted in the last-mentioned portion of said casing and having means for connecting the other end of said link with the outgoing centrally disposed wire conductor of the cable.

2,152,505
REVERSIBLE SEAT AND SQUAB
James Kingston Stuart, Somerton, South Australia, Valentine Wilfred Stacey, Henley Beach, South Australia, and Thomas Alva Wylie, Ridleyton, South Australia, Australia, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 5, 1935, Serial No. 34,826
In Australia May 1, 1935
8 Claims. (Cl. 155—7)



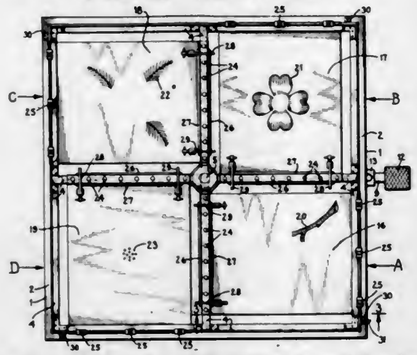
1. In a motor vehicle having loading space for either luggage or passengers, a pair of members adapted when in one angularly related position to constitute a seat and back and when in another angularly related position to constitute horizontal and vertical walls respectively of a luggage compartment, means near an edge of one of the members for pivotally mounting the same on a fixed transverse axis, other means pivotally mounting the other of said members near an edge thereof on a fixed axis in longitudinally spaced parallelism to the first mentioned axis, said monuting means being so constructed and arranged that the free edges of said members travel through intersecting paths upon swinging movement of the members between said angularly related positions and means to compel unison swinging movement of the members comprising an interconnecting link pivotally joined at opposite ends to both members.

2,152,506
STEERING LINKAGE
Maurice A. Thorne, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 10, 1937, Serial No. 141,614
3 Claims. (Cl. 280—95)



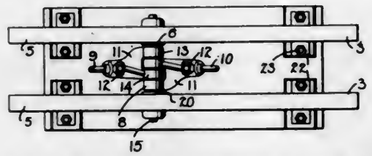
1. In combination, a frame, a pair of independent wheel suspension levers mounted on the frame on intersecting axes, steerable wheels on said levers, a pair of wheel connected rods extending inwardly toward the point of intersection of said axes, a motion transmitting link operably connected to said rods at spaced points normally aligned, respectively, with the axis of an associated wheel suspension lever and disposed transversely of the frame, an idler lever mounted on the frame to support one end of said link, and a steering gear pitman arm connected to the opposite end of said link.

2,152,507
DELINEATING MULTICOLORED DESIGNS ON FABRIC
William M. Trainor, New York, N. Y.
Application June 16, 1937, Serial No. 148,443
6 Claims. (Cl. 101—115)



1. In a device for delineating a multi-colored design on fabric, the combination of a substantially horizontal table for supporting a fabric to which said multi-colored design is to be applied, a substantially horizontal frame for carrying in substantial parallelism therewith a plurality of stencils bearing respective individual complementary increments of said design, said table and frame being relatively movable one with respect to the other in an angular direction about a substantially vertical axis coincident with a focal registration point for said increments of design and said frame being movable toward and away from said table in a direction substantially parallel to said axis, said frame having a plurality of substantially radially extending arms between respective of which and relatively opposite frame portions said stencils are held, said frame being so constructed and arranged that one corresponding side of each stencil is attached to its respective arm and an adjoining side of each stencil throughout a major portion of its length lies contiguous to an adjacent arm to which another of said stencils is attached and means for guiding said frame in its angular and reciprocal movements respectively about and along said axis.

2,152,508
BEARING HOLD-UP AND HOLD-DOWN
Walter C. Trout, Lufkin, Tex., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex., a corporation
Application June 26, 1936, Serial No. 87,405
3 Claims. (Cl. 308—7)

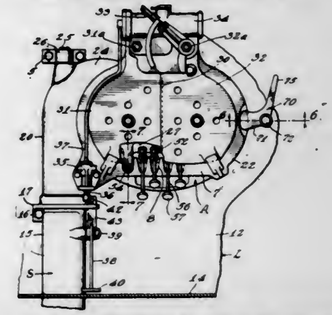


1. A pull line guide comprising a trackway including top and bottom tracks, a carriage including a roller bearing disposed to travel between said tracks, means on said bearing to connect the pull line thereto, and brackets fixed to each end of each track, said brackets on adjacent ends of the tracks being overlapping and complementary, and means to fix said brackets together to space said tracks apart.

2,152,509
METHOD IN THE PREPARATION OF PROGRESSIVE-BURNING SMOKELESS POWDER
Bernhart Troxler, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1937, Serial No. 163,155
7 Claims. (Cl. 52—20)

1. A process for the preparation of unclustered progressive-burning smokeless powder which includes coating smokeless powder in the presence of water with successive substantial fractions of the total deterrent to be applied, the said deterrent when molten being a solvent for nitrocellulose and being applied in the molten state and characterized by a melting point within the range of about 45° C. to about 95° C.

2,152,510
STOKER
Edwin Archer Turner, New York, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1936, Serial No. 106,071
10 Claims. (Cl. 110—104)

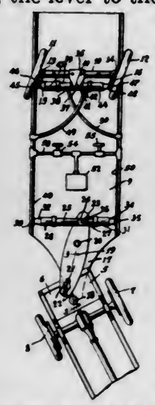


1. In combination with a furnace having a wall with a firing opening therein, a stoker for feeding fuel to said furnace comprising a fuel discharge and distributing unit, said unit including a frame element embracing said firing opening, a conduit portion at one side of said firing opening and arranged to communicate with said frame element, fuel distributing means carried by said frame element, a conveyor for urging fuel through said conduit portion, means for conducting fuel from said conduit portion to said distributing means said fuel discharge and distributing unit being pivotally mounted with respect to said furnace wall to swing about the axis of said conduit portion away from the firing opening to leave said opening entirely exposed, and a door carried by said frame element on the side thereof remote from said furnace wall.

2,152,511
HYDRAULIC STEERING MECHANISM FOR ROAD TRAILERS
Leonard H. Vanderwerf, New York, N. Y.
Application January 21, 1937, Serial No. 121,538
8 Claims. (Cl. 280—33.55)

1. The combination with a motor driven road vehicle having a support on its rear end, a trailer having steerable road wheels and also having a forward member pivotally connected to the support, a lever pivoted on said forward member and having a bearing on the support, a pair of hy-

draulic cylinders arranged on the trailer, means pivotally connecting the cylinders to the trailer, pistons working in the cylinders, and means pivotally connecting the lever to the pistons, where-



by hydraulic pressure is generated in said cylinders by the action of the pistons, and means actuated by said pressure for steering the trailer wheels.

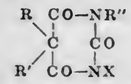
2,152,512

1,5,5-ALKYL-SUBSTITUTED BARBITURIC ACIDS

Ernest H. Volwiler, Highland Park, and Donalee L. Tabern, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application June 17, 1933, Serial No. 676,404
10 Claims. (Cl. 260—33)

1. A barbituric acid derivative, having the formula:



wherein R and R' are selected from the group consisting of saturated and unsaturated primary alkyl groups and saturated groups represented by the formula



wherein R''' and R^{IV} are alkyl groups, R'' is selected from the group consisting of saturated and unsaturated primary, secondary and tertiary alkyl groups free from aryl substituents, at least one of the groups represented by R, R' and R'' being selected from the group consisting of secondary and tertiary alkyl groups, and X being selected from the group consisting of hydrogen and alkali forming groups.

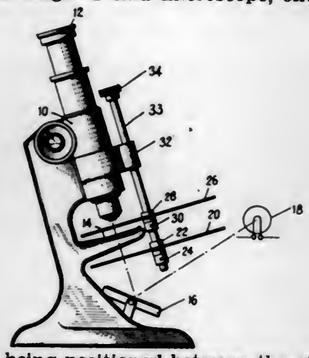
2,152,513

POLARIZING ATTACHMENT FOR OPTICAL INSTRUMENTS SUCH AS MICROSCOPES

Cutler D. West, Boston, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application February 11, 1937, Serial No. 125,197
5 Claims. (Cl. 88—40)

1. In a microscope, in combination, a rotatable shaft, means to position the shaft adjacent the barrel of the microscope, a plurality of relatively thin light-polarizing elements mounted upon said shaft for rotation thereon, each of said elements having a radius substantially greater than the distance from the center of said shaft to the center of the stage of said microscope, one of said



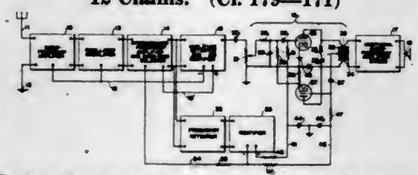
elements being positioned between the stage and the eye-piece of said microscope, the other of said elements being positioned on the opposite side of the stage of said microscope.

2,152,514

AUTOMATIC FIDELITY CONTROL

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application June 18, 1937, Serial No. 148,893
12 Claims. (Cl. 179—171)



5. A selector system for passing a band of frequencies comprising frequency-discriminating terminal circuits substantially aperiodic within the pass band of the selector, one of said circuits comprising resistance and reactance elements, directive coupling means for coupling said terminal circuits in one direction and separate directive coupling means coupling said terminal circuits in the other direction, said elements of said terminal circuits being of such types and values that they co-operate with said coupling means to provide a coupling between said terminal circuits which is degenerative over the major portion of said band and at higher frequencies than the highest frequency of said band and is regenerative at the lower and higher frequencies of said band.

2,152,515

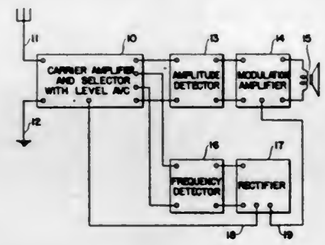
AUTOMATIC SIGNAL INTERFERENCE CONTROL

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application June 18, 1937, Serial No. 148,894
18 Claims. (Cl. 250—20)

1. A modulated-carrier signal receiver comprising means for selecting a carrier having a first characteristic type of modulation representing a desired signal and subject to modulation of said first type and of a second characteristic type by undesired signal disturbances, means for selectively detecting and utilizing said selected-carrier modulation of the first type to reproduce

the desired signal, and means for selectively detecting and utilizing only said selected-carrier



modulation of the second type so to control the characteristics of the receiver as to reduce the effects of said undesired signal disturbances.

2,152,516

METHOD OF COATING COLLAPSIBLE TUBES

Raymond H. White, East Orange, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J., a corporation of New Jersey

Application February 24, 1936, Serial No. 65,202
9 Claims. (Cl. 91—68)



1. The method of protecting the inner surface of a collapsible metal tube from attack by acid and alkali constituents of the tube contents, which comprises coating the said inner surface with a thin elastic film of lacquer material resistant to destruction by the tube contents and containing a member of the group consisting of tin and oxides thereof.

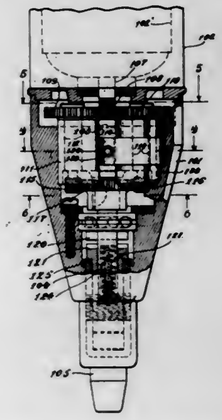
2,152,517

SCREW AND BOLT DRIVING AND NUT RUNNING MACHINE

Kenneth E. Whitney, Baltimore, and Alonzo G. Decker, Towson, Md., assignors to The Black & Decker Manufacturing Company, a corporation of Maryland

Original application August 6, 1934, Serial No. 738,670. Divided and this application February 23, 1938, Serial No. 192,146. Renewed February 11, 1939
7 Claims. (Cl. 81—57)

1. In a portable power-driven rotary tool for driving screws and bolts and running nuts, a source of rotary motion, a tool spindle, means for transmitting rotary motion from the source to the tool spindle, comprising a planetary drive having a rotary carrier, and orbital gear members positioned eccentrically on the carrier and connected to the source and to the tool spindle to drive the tool spindle when the carrier is stationary and to rotate without driving action when the carrier rotates, overload releasing means for latching the carrier to hold it stationary, the tool spindle being driven in rotation when the carrier is latched and being stationary when an excess resistive torque is encoun-



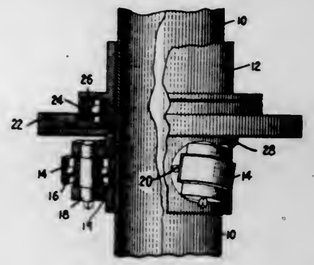
tered and the carrier rotates, the latching means for the carrier being provided with a resilient element tending to return it to engaging position whereby the carrier is stopped and rotated at intervals applying a series of tangential impulses to the work in the direction of the drive so long as the power is applied and the tool is held in operative engagement with the work.

2,152,518

MOTION TRANSLATING MECHANISM

Otto E. Wolff, Arlington, Mass., assignor, by mesne assignments, to Polaroid Corporation, Dover, Del., a corporation of Delaware

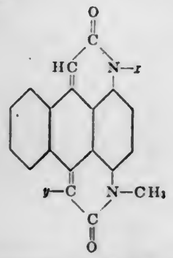
Application December 20, 1937, Serial No. 180,736
7 Claims. (Cl. 74—25)



1. In a device of the character described, in combination, means providing a substantially cylindrical surface, an element surrounding said surface and rotatable about the axis of said cylinder, roller means affixed to said last-mentioned element and in contact with the surface of said cylinder and rotatable about an axis non-parallel to the axis of said cylinder, and means to hold said roller means firmly against said cylindrical surface, said element being supported in its position about said surface by said roller means.

2,152,519
DIANTHRAPYRIDONES
Rudolf Lesser, Berlin, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 16, 1937, Serial No. 174,822. In Germany November 24, 1936
2 Claims. (Cl. 260—278)

1. The dianthrapyridones corresponding to the general formula

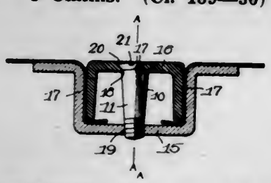


wherein x is a member of the group consisting of phenyl, alkylphenyl, alkoxyphenyl, biphenyl and naphthyl and y is a member of the group consisting of hydrogen, phenyl and nitrophenyl, said products being crystallized orange red to brown red colored compounds of high melting point.

2,152,520
BLEACHING, WASHING, CLEANSING, AND RINSING AGENTS
Otto Lind, Dusseldorf, Germany, assignor to Henkel & Cie. G. m. b. H., Dusseldorf-Holthausen, Germany, a corporation of Germany
No Drawing. Application August 14, 1935, Serial No. 36,117. In Germany August 22, 1934
15 Claims. (Cl. 87—5)

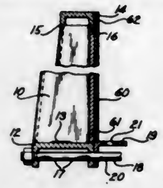
1. In compositions for bleaching, washing, cleansing and rinsing, the combination of substances consisting of one part of an oxygen-yielding compound, one to three parts of a water soluble salt of a phosphoric acid containing less molecularly combined water than orthophosphoric acid, and of from 1 to 3 parts of an alkali metal salt adapted to form an aqueous alkaline solution, said parts being by weight, said phosphoric acid salt being present in a proportion constituting not less than 20% by weight of the said mixture.

2,152,521
METHOD OF LOCKING SCREWS
Harvey B. Lindsay, Evanston, Ill.
Application November 15, 1937, Serial No. 174,620
3 Claims. (Cl. 189—36)



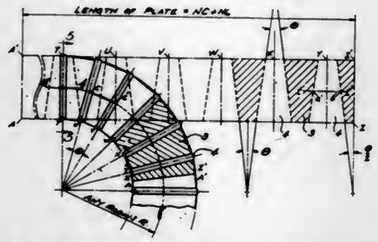
2. In combination with two structural members having spacing means therebetween, a plurality of screws adapted to connect said members together, said screws being disposed at varying angles with respect to said structural members and placed under longitudinal tension so as to establish a resultant pulling stress in a direction tending to bend the intermediate portions of each of said screws out of their respective normal axial alignment and distort the threaded portion of said screws where they engage one of said structural members so as to resist unscrewing from the latter.

2,152,522
REEL AND A METHOD OF FORMING IT
Paul S. McCann, La Grange, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 27, 1934, Serial No. 745,658
5 Claims. (Cl. 242—77)



1. A reel head including a disk formed from sheet material corrugated to form an annulus with the corrugations therein having substantial depth at right angles to the plane of the annulus from edge to edge of the sheet and being progressively deeper from one edge of the material to the other, an annular reinforcing member welded only adjacent the apexes of the corrugations at the outer edge of the annulus, and an annular reinforcing member welded to the inner edge of the annulus only adjacent the mid points between the apexes of the corrugations.

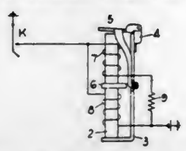
2,152,523
METAL REEL
Lee Roy McGuire, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 26, 1932, Serial No. 639,723
Renewed August 17, 1938
13 Claims. (Cl. 242—77)



13. A sheet material annulus having radial corrugations of uniform width and tapering depth throughout their length extending from the inner to the outer circumferential boundaries of the annulus.

2,152,524
RELAY
Merton R. Miller, Evanston, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 6, 1936, Serial No. 78,221
9 Claims. (Cl. 175—320)

1. In a relay, a magnetic structure and two similar differential windings which prevent the relay from operating its armature when the relay circuit is closed, said windings and structure so related as to cause the relay to operate its armature by generation of a flux in said structure when said circuit is broken.



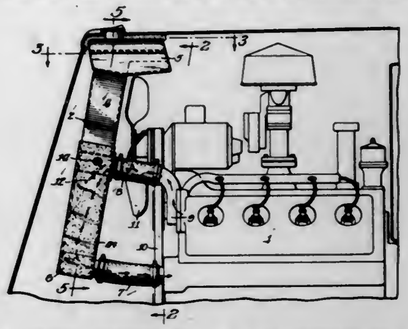
2,152,525
CONSTRUCTION OF ELECTRIC HEATING UNITS AND CONNECTING PARTS THEREFOR
Louis I. Mirel, Brooklyn, N. Y., assignor to Elias Clein, Brooklyn, N. Y.
Application November 11, 1937, Serial No. 174,002
1 Claim. (Cl. 219—21)



As a new article of manufacture, a device comprising a handle having an axially stepped bore, a shank projecting into one step in said bore, a tip having a stepped chamber and disposed with the other end of the shank fixed in one step of said chamber, said shank being provided adjacent its ends with radial ribs which bite into the adjacent walls of the handle and tip to form a permanent connection between the parts, a heating element disposed in said tip, an insulated cable supplying electrical current to said heating element and projecting through said handle and shank, and a strap coiled about the insulated cable and clamped thereto, the coils of said strap seating against the shoulder formed by the second step of the handle bore to prevent withdrawal of the cable and element from said tip and shank.

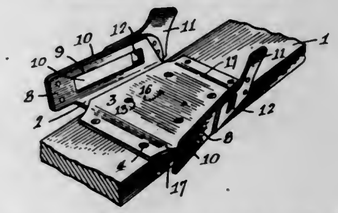
2,152,526
CIRCULATORY COOLING SYSTEM FOR INTERNAL COMBUSTION ENGINES
Willard L. Morrison, Lake Forest, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1934, Serial No. 711,839
5 Claims. (Cl. 123—178)

1. A cooling system for internal combustion engines, comprising a radiator, an engine cooling jacket, a connecting pipe connecting the lower portion of the radiator with the engine cooling jacket, a connection leading from the engine cooling jacket, a pump in said connection, a pipe leading from said pump connection to the upper portion of the radiator and a pipe leading from



said pump connection to the connection between the radiator and the engine cooling jacket.

2,152,527
STIRRUP FOR SKIS
Jean Bertrand, Mont-Rolland, Quebec, Canada, assignor to Andre Bertrand, Mont-Rolland, Quebec, Canada
Application December 30, 1937, Serial No. 182,578
In Canada April 2, 1937
3 Claims. (Cl. 280—11.35)

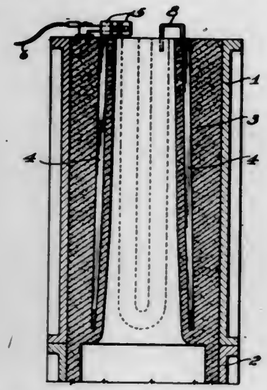


1. A stirrup for skis comprising a pair of members adapted for attachment to the ski and to extend substantially vertically therefrom at the longitudinal edges of the ski, each of said members having a longitudinal slot, and a spring metal plate secured at one of its ends to each of said members and obstructing the adjacent slot except at its forward end, for the purpose described, the other end of said plate being exposed in the form of a finger piece.

2,152,528
MOLD
Florence C. Biggert, Jr., Crafton, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 659,875, March 6, 1933. This application July 23, 1935, Serial No. 32,762
3 Claims. (Cl. 22—200)

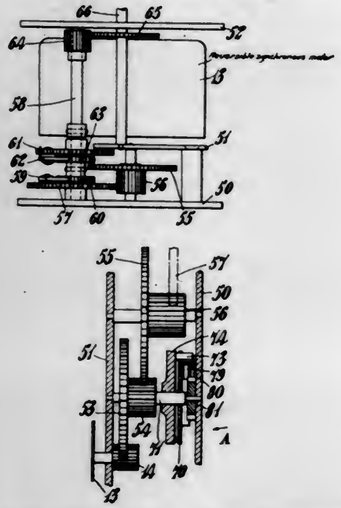
1. A casting mold for making mill roll castings and the like comprising a mold housing, a mold formed of molding material such as sand packed in said housing and conforming in shape to that of a roll having an enlarged body portion and reduced neck portions, resistor elements formed of loose carbonaceous material packed in said molding material adjacent the inner surface of the roll neck-forming portion of the mold and extended from a point adjacent the body of the roll upward and adapted to be removed from the mold with the mold material, and detachable means for connecting said resistor elements in a

current-supplying circuit whereby the neck-forming portion of the mold may be heated when



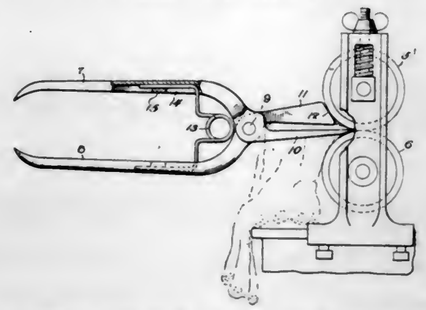
the casting is poured to prevent the metal in that portion of the casting from solidifying until after the metal in the body of the roll has solidified.

2,152,529
ELECTRIC CLOCK
Westgarth Stanhope Forster Brown, Cranbrook, and Alfred John Tennison, Croydon, England
Application February 5, 1936, Serial No. 62,504
In Great Britain February 5, 1935
9 Claims. (Cl. 58—26)



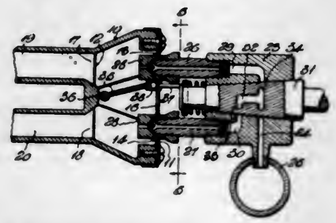
4. A synchronous-motor clock comprising in combination, a synchronous reversible motor, an indicator, a normal driving connection from the motor to the indicator operative when the motor runs in one sense, a fast resetting driving connection from the motor to the indicator operative when the motor runs in the opposite sense, and means in the motor drive and which upon deceleration of the motor when the electric supply is interrupted, blocks rotation of the motor in one direction so that upon restoration of the supply said motor will run in the alternative sense from that in which it was last running.

2,152,530
CLOTHES MANIPULATING TOOL
Virgil S. Brown, Prescott, Iowa
Application June 10, 1938, Serial No. 213,055
1 Claim. (Cl. 294—8.5)



A clothes manipulating tool comprising pivotally connected handles adapted for vertical movement when in operative positions, jaws forming extensions of said handles, the lower of said jaws when in operative position being longer than the other and adapted to support clothes delivered to wringer rollers, the upper of said jaws when in operative position comprising a base portion with side flanges, the said side flanges having bevelled ends, said jaw also having a portion overlying the edges of the flanges and another portion engaging the inclined edges of the flanges to produce a smooth surface for engagement with a roll of the wringer to limit the movement of the clothes-engaging portion of the tool with respect to said rollers.

2,152,531
GAS STOVE BURNER MECHANISM AND IGNITING MEANS
James E. Browning, San Antonio, Tex., assignor of one-half to Claude V. Birkhead and Werner N. Beckmann, both of San Antonio, Tex., co-partners doing business as Birkhead, Beckmann, Stanard & Vance
Application January 27, 1938, Serial No. 187,322
3 Claims. (Cl. 158—118)



1. In a burner mechanism, a chamber having a primary air inlet, a main burner having a gas conducting passage in communication with said chamber, an igniting burner for said main burner also having a gas conducting passage in communication with said chamber, a gas valve having jets for directing gas across said chamber into either of said passages, a primary air directing plate movably mounted in said chamber for directing the primary air into either of said passages according to the passage into which the gas is being directed, and connecting means between said valve and said primary air directing plate whereby the latter is operated by the former.

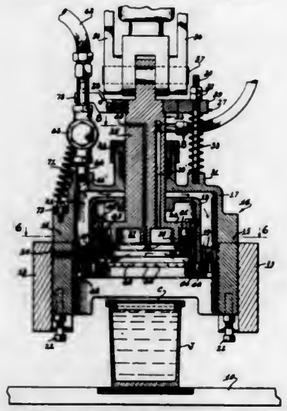
2,152,532
BLEACHING WITH ORGANIC BLEACHING AGENT
Paul J. Carlisle, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1937, Serial No. 182,625
3 Claims. (Cl. 8—108)

1. A process of bleaching dark-colored materials which comprises contacting said materials with tertiary butyl hypochlorite.

2,152,533
HYDROGENATION OF RESINS
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania
No Drawing. Application August 6, 1936, Serial No. 94,637
10 Claims. (Cl. 260—32)

1. In the catalytic hydrogenation of hard normally solid synthetic resin in solution, that preparatory step which comprises agitating the solid resin in contact with finely divided metallic hydrogenation catalyst and thereby charging the catalyst particles electrically so that upon solution of the resin in solvent the catalyst is efficiently suspended substantially uniformly throughout the resultant solution.

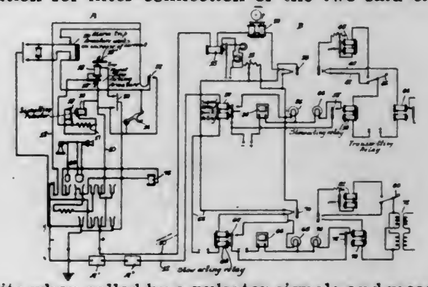
2,152,534
METHOD AND APPARATUS FOR APPLYING CLOSURES TO RECEPTACLES
Leslie R. N. Carvalho and Charles F. Schmidt, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application August 29, 1936, Serial No. 98,498
13 Claims. (Cl. 226—82)



1. The method of sealing a relatively wide-mouthed, partially filled, open-ended receptacle which consists in loosely applying a closure to the open end of said receptacle, directing a stream of hot gas against the underneath side of said closure to lift the closure from the receptacle and fill the unfilled portion of the receptacle with got gas, and moving the closure and receptacle into engagement to entrap the hot gas therein.

2,152,535
ALARM SYSTEM
Francis G. Collins, Quincy, Mass.
Application July 15, 1935, Serial No. 31,372
3 Claims. (Cl. 177—360)

1. In an alarm system having an alarm box circuit, an alarm-transmitting circuit and a central station, the combination therewith of a pulsator in the alarm box circuit, and a trip magnet having one armature controlling the pulsator action and having another armature controlling the alarm mechanism of a box; means whereby only the pulsator controlling armature responds to pulling of the box, thereby to signal the central station; a transmitting relay in said alarm-transmitting circuit; means at the central station for inter-connection of the two said cir-

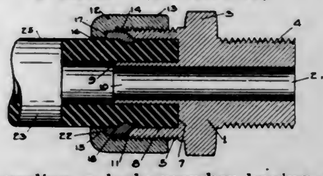


cuits when called by a pulsator signal; and means at the central station for boosting the current in the box circuit, after said inter-connection of circuits, to cause actuation of the alarm armature of said trip magnet, thereby to release the alarm mechanism for transmitting of the alarm direct to the said alarm-transmitting circuit; and means responsive to movement of said alarm armature for shunting said pulsator out of the circuit during sending of the alarm.

2,152,536
LIQUID COATING COMPOSITION
Hugh S. Cooper, Shaker Heights, Ohio, assignor to Cooper Products, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 25, 1935, Serial No. 51,469
1 Claim. (Cl. 134—39)

A liquid coating composition comprising boron nitride as a pigment and a vehicle of the class consisting of drying oils, natural and synthetic resins, and cellulose derivatives.

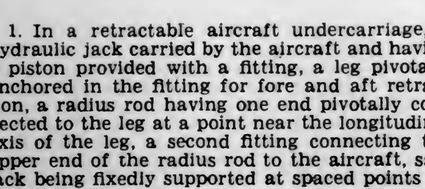
2,152,537
DETACHABLE FITTING
Norman M. Couty, Detroit, Mich., assignor to The Flex-O-Tube Company, Detroit, Mich., a corporation of Delaware
Application November 29, 1937, Serial No. 177,071
1 Claim. (Cl. 285—86)



In a coupling, a body member having an annular hose receiving recess formed by two concentric walls and terminating in an annular flat wall, said recess arranged to receive and to closely fit a hose end, a plane frusto-conical compression surface surrounding the entrance to said recess, a deformable soft metal sealing ring adapted to surround a hose in said recess terminating in a frusto-conical plane upper surface at one end having an inclination different from that of said compression surface and engageable therewith and terminating in a cylindrical portion at its opposite end, and thrust

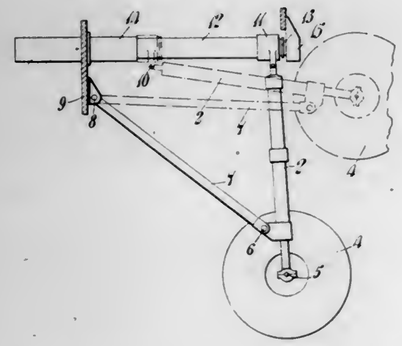
nut means screw-threaded on said body member and entirely enclosing said sealing ring for moving the ring axially with respect to said compression surface to cause application of force to a hose in said recess, whereby the hose is forced axially against said annular flat wall and the ring is forced radially inwardly to form a zone of compression about the hose.

2,152,538
CLOSED CAR VENTILATION
Robert Francis Dalton, Mansfield, Ohio
Application February 23, 1938, Serial No. 192,137
4 Claims. (Cl. 296—44)



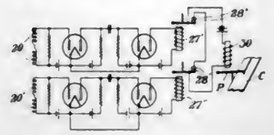
1. In a closed vehicle body having a window opening therein, the combination of a pair of spaced panels pivotally mounted in the window opening for swinging adjustment in a horizontal plane in the same direction, and a pane mounted for vertical sliding movement between said panels.

2,152,539
RETRACTABLE UNDERCARRIAGE FOR AIRCRAFT
George Herbert Dowty, Cheltenham, England
Application April 15, 1936, Serial No. 74,604
In Great Britain April 23, 1935
14 Claims. (Cl. 244—102)



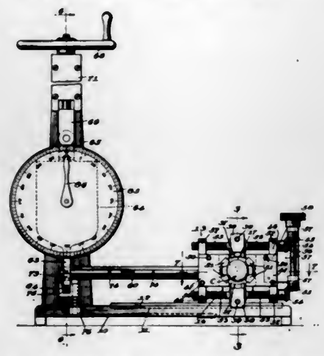
1. In a retractable aircraft undercarriage, a hydraulic jack carried by the aircraft and having a piston provided with a fitting, a leg pivotally anchored in the fitting for fore and aft retraction, a radius rod having one end pivotally connected to the leg at a point near the longitudinal axis of the leg, a second fitting connecting the upper end of the radius rod to the aircraft, said jack being fixedly supported at spaced points on the aircraft and including between said points the path of movement of the piston and fitting whereby the jack will be rigidly supported in all positions against loads due to radius rod compression during retraction.

2,152,540
RAIL FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application January 21, 1937, Serial No. 121,571
9 Claims. (Cl. 175—183)



1. The method of detecting flaws in rails which consists in passing current through the rail to establish an electromagnetic field surrounding the same, operating a plurality of independent flux responsive devices through said field, said devices being arranged to cooperate with predetermined portions of the rail head, independently amplifying the responses from each of said devices, and causing each of the amplified responses, independent of the other responses, to actuate indicating means when said indicating means is in unactuated condition.

2,152,541
APPARATUS FOR TESTING THE STRENGTH OF MOLDED BOTTLE CAPS
George G. Galpin and Charles F. Schmidt, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application October 30, 1937, Serial No. 171,978
8 Claims. (Cl. 265—19)



1. In an apparatus for testing the strength of threaded molded bottle caps, a mandrel having threads thereon designed for full threaded engagement with the threads of a cap to be tested, a tiltable chuck, jaws on said chuck, means for moving said jaws into engagement with a cap placed on said mandrel to clamp the cap therebetween, a lever secured to the chuck, a suspension scale operatively secured to said lever, and means for applying a leverage progressively to said lever through said scale to tilt the chuck.

2,152,542
TOY
Arthur W. Gard, Edgewood, Pa.
Application September 17, 1937, Serial No. 164,272
2 Claims. (Cl. 46—35)

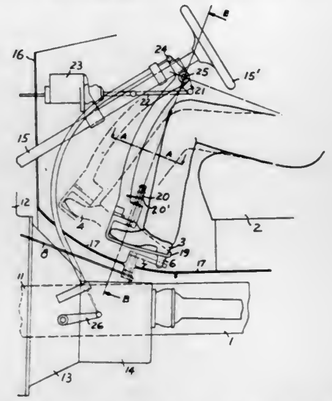
1. An article of the class described comprising a body including two sections of paper-board

overlapped and assembled one upon the other, each of said sections including a body portion and a limb extending therefrom, the body portion of one of said sections extending through substantially 270° with respect to a center, and the body portion of the other section extending through substantially 90° with respect to such center, said assembled sections being creased and folded on lines extending radially with respect to



such center and providing a plurality of flat, segmental portions movable relatively to one another on such radial lines, the limb on one of said paper-board sections overlapping a segmental portion of the body of the other paper-board section, and the limb on the last-named section underlying a segmental portion of the body of the other section, and each of said limbs including two portions angularly movable one relatively to the other.

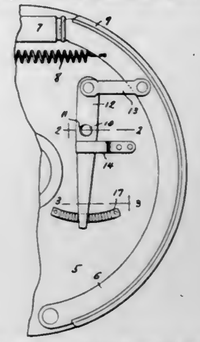
2,152,543
CONTROL MECHANISM FOR MOTOR VEHICLES
Karl Feilcke, Indianapolis, Ind.
Application February 19, 1937, Serial No. 126,717
15 Claims. (Cl. 192—3)



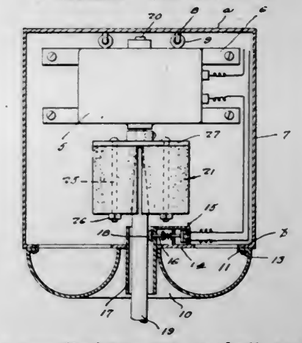
1. In an automotive vehicle, a foot operated brake pedal, pivoted at a point located above the pedal pad, said pedal being constructed and arranged so that the weights of the pedal itself and of the driver's foot resting thereon tend to hold the pedal in inoperative position.

2,152,544
AUTOMATIC BRAKE ADJUSTER
Marcus H. Field, Canton, Ga., assignor of one-third to R. I. Lathem, Canton, Ga.
Application August 5, 1938, Serial No. 223,298
3 Claims. (Cl. 188—79.5)

1. An automatic brake adjuster comprising an adjusting lever, means for mounting said lever for pivotal and a limited sliding movement on a dust plate of a brake drum, means for connecting one end of the lever to a brake shoe associated with the drum, and a ratchet mechanism associated with the other end of said lever and carried by the dust plate.

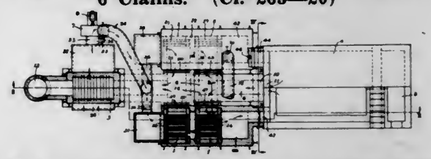


2,152,545
PENCIL SHARPENER
Alvin L. Fenton, Omaha, Nebr.
Application June 10, 1937, Serial No. 147,554
4 Claims. (Cl. 120—96)



1. In a pencil sharpener, a shell, a sharpener unit in the shell having a vertically extending pencil receiving inlet, said shell having a vertically extending pencil guide aligned with the said pencil receiving inlet of the sharpener unit, said shell being provided with a bottom through which the guide extends.

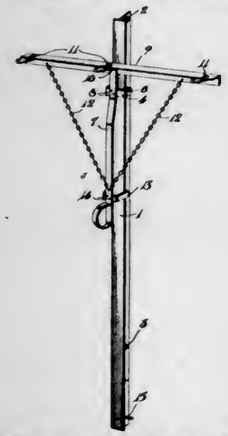
2,152,546
RECUPERATOR FOR MELTING FURNACES
William H. Fitch, Plainfield, N. J.
Application May 1, 1937, Serial No. 140,154
6 Claims. (Cl. 263—20)



2. A recuperator system for supplying highly preheated air to a continuous furnace having a plurality of burners, said system comprising a recuperator unit containing heat transfer tubes through which air is drawn from the atmosphere, two other recuperator units arranged in mutually parallel relationship and to which heated air is supplied from the first recuperator, a pump for

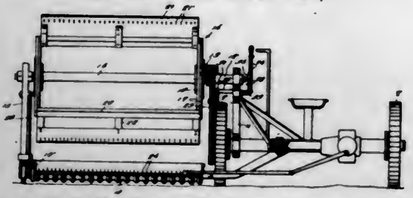
drawing the air through the first recuperator unit and then forcing it through the two parallel recuperator units, and valves for shutting off the flow of waste gases and air from any one of the recuperator units whereby the remaining recuperator units supply hot air to their connected burners during repair of the isolated recuperator.

2,152,547
CLOTHESLINE HOLDER
Aloys Urban Gretter, Chicago, Ill.
Application November 22, 1937, Serial No. 175,816
1 Claim. (Cl. 211—119.17)



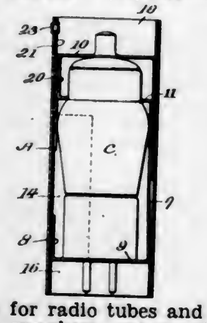
In a clothesline support, an elongated T-bar provided with an aperture adjacent one end for suspension of the bar in vertical position from a hook or the like, a transverse angle bar movably mounted on said T-bar and provided with spaced line engaging means along one flange thereof, an elongated handle rigidly secured at one end to the intermediate portion of the transverse angle bar and provided adjacent said one end with a clevis having a pair of rollers engageable with the rear of the face of the T-bar, a combination guide and catch means secured to the handle adjacent its other end, said transverse bar being movable along said T-bar upon manipulation of the handle and being adapted to be secured in selective positions along the T-bar when said handle is released.

2,152,548
SEED GATHERING ATTACHMENT FOR MOWING MACHINES
Kit Jones, Woodlawn, Tenn.
Application June 1, 1937, Serial No. 145,900
1 Claim. (Cl. 56—207)



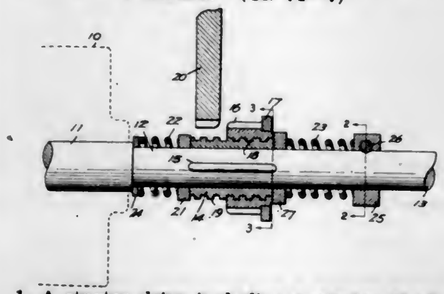
A seed gathering attachment for a mowing machine which includes a supporting frame and a laterally extending cutter bar, comprising a standard, means for connecting the lower end of the standard to a part of the supporting frame, a second standard, said standards having bearing at their upper ends, a shaft journaled in said bearings, a reel carried by the shaft, means for rotating the shaft from one of the ground wheels of the mowing machine, the second standard having a vertically arranged socket in its lower end, a vertically arranged stub-shaft rotatably arranged in the socket and having a forked lower end extending from the socket, a ground engaging wheel carried by the forked part, straps secured to and extending rearwardly from the cutter bar, a pan supported by said straps, spaced bars contacting the upper face of the bottom of the pan and extending parallel to the cutter bar, upwardly extending pins carried by the bars, a downwardly and rearwardly extending bar having its upper end connected with an upper portion of the second standard with the lower end of said last-mentioned bar being of arcuate shape with its convexed edge lowermost and said arcuate end of the bar being located below the plane of the bottom of the pan, a brace connecting an intermediate part of said last-mentioned bar with a lower part of the second standard.

2,152,549
CARTON FOR RADIO TUBES
Christian Mowry Knaur, Williamsport, Pa.
Application December 15, 1937, Serial No. 180,006
5 Claims. (Cl. 229—6)



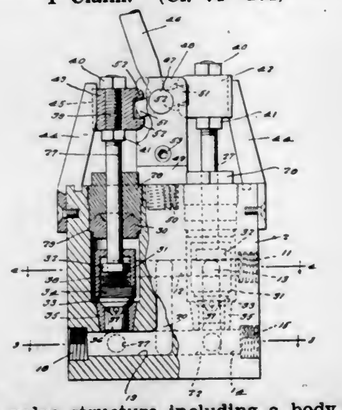
1. A carton for radio tubes and the like consisting of two members, one member telescoped within the other, each member being formed of a single piece of material, the inner member having a tongue cut out of one wall thereof and bent back upon itself and permanently connected to the outer member to allow said inner member to move a predetermined distance within the outer member.

2,152,550
MECHANICAL DRIVE
Joseph F. Koepfle, Detroit, Mich., assignor of one-half to Leo G. Koepfle, Silver Spring, Md.
Application June 17, 1937, Serial No. 148,811
7 Claims. (Cl. 74—7)



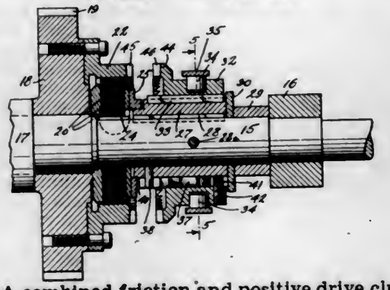
1. A starter drive including a starter shaft, a threaded sleeve rotatable with and solely axially slidable on the shaft, a weighted starter pinion threaded on said sleeve, and cushioning means bearing on each end of the sleeve for resisting the sliding movement of the latter in both directions.

2,152,551
VALVE
Merril R. Lieb, Allentown, and Walter W. Wassum, Alburtis, Pa.
Application November 24, 1937, Serial No. 176,322
1 Claim. (Cl. 74—104)



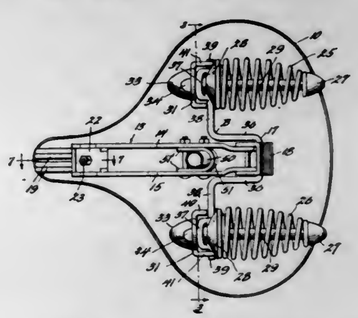
In a valve structure including a body having valve stems passing through its upper portion, a yoke rising from the top of the body between the stems, a horizontal shaft journaled in the yoke, oppositely arranged lugs projecting from the shaft located between the arms of the yoke, upwardly converging arms connected to opposite sides of the body and each arm having a straight vertically arranged inner edge at its upper portion, a pair of cross heads, one connected with a stem at one side of the yoke, and the other with a stem at the opposite side of the yoke, each cross head having a vertically arranged groove in its outer edge in which said upper portion of an arm fits and the inner edge of each cross head having a horizontal groove therein for receiving a lug and a handle connected with the shaft for rocking the same for causing the lugs to alternately reciprocate the cross heads.

2,152,552
COMBINED FRICTION AND POSITIVE CLUTCH
Gustaf Thorsten Lindstrom, Tonawanda, N. Y.
Application January 11, 1938, Serial No. 184,450
3 Claims. (Cl. 192—53)



1. A combined friction and positive drive clutch having the combination with a driving rotary member and a driven rotary member, a plurality of cooperating clutch disks on said members movable into and out of frictional engagement, a sleeve fixed on one of said members, and a collar slidable on and rotatable with said sleeve, of sets of circumferential opposed teeth on one of said members and on said collar respectively, which are normally disengaged and which, upon travel of said collar to a predetermined position in one direction, engage to form a positive drive connection between said rotary members, a lever pivoted on said sleeve, a cam face on said lever, a pin on said collar which, as said collar travels toward tooth engaging position, engages said cam and swings said lever to a position in which it presses said friction disks together and effects frictional drive connection between said two rotary members, said lever having a second cam face opposed to said other cam face, which, as said pin leaves said first cam face in the continued travel of said collar, engages said pin and permits said lever to swing in an opposite direction by action of said friction disks as a result of their tendency to separate when relieved of said pressure, thus de-clutching said driving and driven members from frictional drive while they continue to rotate at substantially the same speed, and whereupon, by the continued movement of said collar its travel in said beforementioned direction will be completed and said sets of teeth will engage to effect positive drive connection between said driving and driven members while said friction drive connection remains inoperative.

2,152,553
SADDLE FOR CYCLES
Benjamin N. Lobdell, Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,491
13 Claims. (Cl. 155—5.20)



13. A saddle for cycles comprising a substantially rigid seating member or base, a reach member extending longitudinally of said seating member, one end of said reach member being connected to one end of said seating member in such manner that said seating member may swing bodily about said connection toward and away from said reach member, a coiled compression spring normally extending generally parallel with and longitudinally of said reach member, a crank shaft having a horizontal portion rotatably mounted on said seating member and a pair of spaced crank arms on said shaft, one of said arms being connected to the reach member and the other arm positioned to axially compress the spring when the crank shaft is rocked about its axis in one direction, said crank shaft

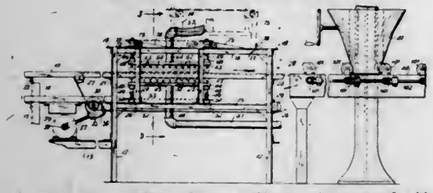
including its crank arms being disposed substantially within the space between the planes of said seating and reach members.

2,152,554

APPARATUS FOR SETTING AND DRYING BATTERY PLATES

Harry B. Lockwood, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application May 25, 1933, Serial No. 672,854
Renewed January 20, 1939
3 Claims. (Cl. 34—12)



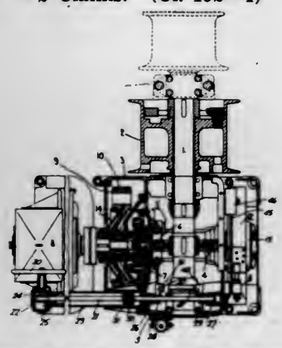
1. In apparatus for setting storage battery plates, means for conveying freshly pasted plates in a horizontal path flatwise, said means engaging only the edges of the plates and leaving the pasted portions thereof exposed on both sides thereof, fluid burners arranged upon the opposite sides of the path of travel in close proximity thereto, arms upon which one of said burners is mounted whereby it may be swung into operative position in close proximity to said path of travel or away from said path of travel into inoperative position, said burners when in operative positive being adapted to play flames directly upon the upper and lower surfaces of the plates traveling in said path.

2,152,555

CONTROLLING APPARATUS FOR WINCHES

George Thomas Macfarlane, Northwood, Middlesex, England, assignor of one-half to The General Electric Company Limited, London, England, a corporation of Great Britain

Application July 7, 1937, Serial No. 152,450
In Great Britain December 15, 1936
2 Claims. (Cl. 192—4)



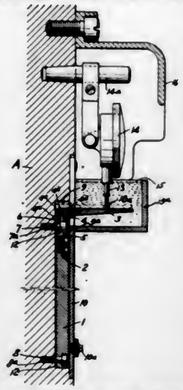
1. In apparatus for controlling winchgear, including holding and hoisting brakes and a free wheel for the holding brake comprising a single control element and actuating means for the holding and hoisting brakes so connected to the control element that the holding brake remains applied when the hoisting brake is actuated while the hoisting brake remains released when the holding brake is released.

2,152,556

STRAIN GAUGE

William Messinger, Philadelphia, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application March 12, 1936, Serial No. 68,434
3 Claims. (Cl. 265—12)



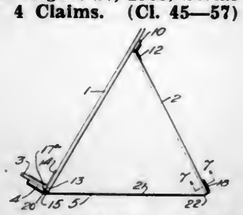
1. A strain gauge for stressed frames comprising a bar connected at one end to said frame and extended along a length of the frame with which it is used, means responsive to relative movement between the other end of said bar and the adjacent portion of said frame occasioned by deformation of the frame due to stresses set up in the frame for measuring the extent of said deformation between selected points on the frame, means encasing the bar with the frame and a liquid within said encasing means in intimate contact with said bar and the adjacent frame for maintaining said bar at substantially the temperature of the frame.

2,152,557

DESK STAND

Ernest C. Moore and Willis Ray Challoner, Appleton, Wis.; said Moore assignor to Appleton Music Publication, Inc., Appleton, Wis.

Application August 27, 1938, Serial No. 227,204
4 Claims. (Cl. 45—57)



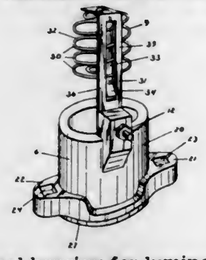
1. In an extendible and collapsible stand, a sustaining element, a shiftable bracing element hinged with the rear face of the sustaining element, a supporting element hinged at its rear to the front surface of, spaced above and arranged in proximity to the bottom edge of said sustaining element, a bendable combined pulling and coupling element arranged below the bottom edges of the sustaining and bracing elements and having its rear end terminal portion anchored to the back of said bracing element, said coupling element having its forward end terminal portion positioned against the lower surface of the supporting element, and a securing element secured to the lower face of the supporting element, bearing against parts of said coupling element adjacent said forward end terminal portion and providing for fixedly confining the forward end terminal portion of the combined pulling and coupling element between said securing and supporting elements.

2,152,558

TERMINAL HOUSING FOR LUMINOUS TUBES

Frank Edward Montroy, Los Angeles, Calif.

Application August 30, 1937, Serial No. 161,633
7 Claims. (Cl. 173—328)



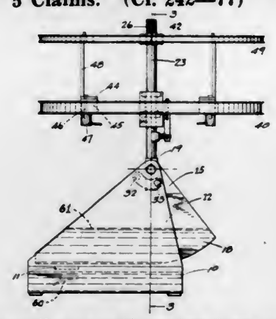
1. A terminal housing for luminous tubes comprising an annulus adapted to be mounted on a sign body sheeting in registry with an opening therethrough, spring supporting means extending inward with respect to said body from said annulus, a coil compression spring secured at one end to said supporting means with its free end extending backward toward and in alignment with the opening through said annulus and terminating in a closing spiral, and guide means for said spring extending lengthwise therewith and along one side thereof within the major convolutions of said coil to restrain the same against lateral displacement without preventing compression of said coil.

2,152,559

SUPPORT FOR WIRE REELS

Ernest P. Moslo, Cleveland, Ohio

Application March 17, 1937, Serial No. 131,358
5 Claims. (Cl. 242—77)



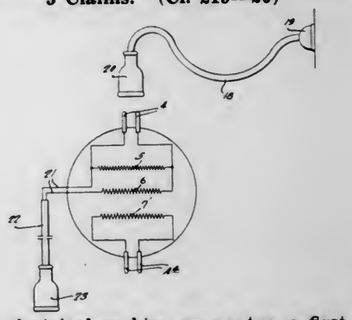
1. A wire coil supporting structure comprising a hollow base member having an opening therein for the admission of a finely divided material to increase the weight of said base, a pair of vertical arms on said base member, a hollow counterbalance member intermediate said arms and pivotally supported thereon, an arbor on said counter-balance member, a wire reel pivotally mounted on said arbor, a throw bolt reciprocatively mounted in said counter-balance member and engageable in an opening in one of said arms for locking said counter-balance member in a vertical or horizontal position, and a finely divided material constituting a ballast medium in said counter-balance member for shifting the center of gravity thereof during the rotative adjustment of the counter-balance member from its horizontal to vertical position.

2,152,560

COOKING APPARATUS

Joseph W. Myers, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application November 13, 1937, Serial No. 174,460
5 Claims. (Cl. 219—20)



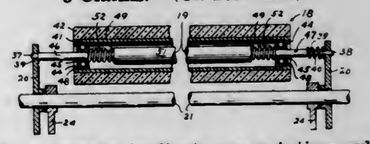
1. In electrical cooking apparatus, a first electrical heating unit of predetermined energy-consuming capacity, a second electrical heating unit of predetermined energy-consuming capacity, means for selectively energizing said units from a single energy source, the total normal energy consumption of both of said units being in excess of the maximum permissible energy output of said source, an impedance element of relatively low energy-consuming capacity, and means for connecting said first unit in one parallel branch circuit and for serially connecting said second unit and said impedance element in another parallel branch circuit, whereby both of said units may be energized simultaneously, said impedance element being constructed and arranged to maintain the total energy consumption of said units within the maximum permissible energy output of the supply source.

2,152,561

IMPRESSION ROLLER FOR DUPLICATORS

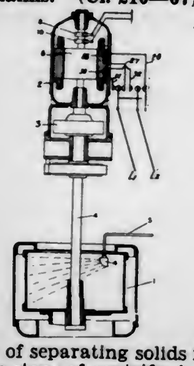
Ferdinand Nigra, San Francisco, Calif., assignor to Niagara Duplicator Company, San Francisco, Calif., a corporation of California

Original application October 22, 1934, Serial No. 749,328. Divided and this application August 14, 1937, Serial No. 159,148
5 Claims. (Cl. 101—116)



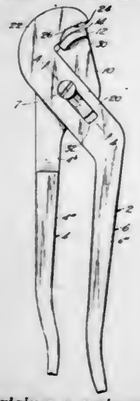
1. In a rotary duplicator, a printing cylinder mounted against axial shifting thereof, a hollow impression roller for coaction with said cylinder, a shaft engaged through said roller, anti-friction bearings mounting the roller on the shaft for rotation thereabout, a frame carrying said shaft for movements of the roller to and from an operative relation thereof to the cylinder during each rotative cycle of the cylinder, and spring means disposed within the roller and coactive between the roller and shaft longitudinally thereof for yieldingly urging a retention of the roller in a centered position thereof on the shaft.

2,152,562
METHOD OF PURGING AND WASHING SOLIDS IN A CENTRIFUGAL
Charles A. Olcott, Montclair, N. J.
Application June 27, 1935, Serial No. 28,782
13 Claims. (Cl. 210—67)



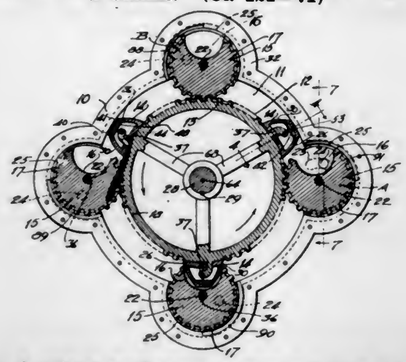
1. In a process of separating solids from a containing liquor the steps of centrifuging the liquor from the solids at a high speed of rotation and treating the solids with a washing liquid while decreasing the speed of rotation from the high speed to a predetermined lower speed.

2,152,563
SLIP LOCKING PIVOT
Robert W. Palmer and John P. Palmer, Meadville, Pa.
Application June 1, 1937, Serial No. 145,846
1 Claim. (Cl. 81—51.3)



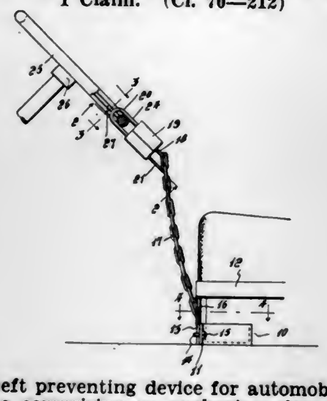
A pliers comprising a pair of handles, a relatively wide obtusely disposed extension integral with one of said handles, a jaw carried by said extension, an obtusely disposed extension integral with the other handle and disposed at substantially right angles to said first extension, a jaw carried by said second extension, a substantially rectangular shaped lug integral with said first extension and extending laterally of one side thereof, the longitudinal axis of said lug being disposed parallel with the length of said first extension, said lug having rounded opposite ends, said second extension having an elongated slot therethrough having parallel sides thereof parallel with the sides of said second extension, said second extension also having a plurality of peripherally communicating circular sockets in a selected one of which said lug is adapted to engage, and a bolt extending through said lug and said slot for holding said extensions together, the width of said slot being substantially equal to the diameter of said bolt.

2,152,564
ROTARY FLUID MOTOR
Mart C. Perkins, Casper, Wyo.
Application August 25, 1937, Serial No. 160,924
2 Claims. (Cl. 121—71)



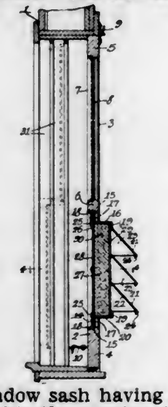
1. A rotary engine comprising a housing having a ring-shaped cylinder therein provided with an annular slot on the inner side thereof, a shaft disposed axially of said cylinder, a gear secured to said shaft within said housing having the teeth thereof engaging within said annular slot, a plurality of circumferentially spaced apart pistons secured to said gear and engaging within said cylinder, said housing having a plurality of circumferentially spaced apart abutment chambers communicating with said cylinder, an abutment shaft journalled through each chamber, an annular abutment in each chamber fixed to an abutment shaft and projecting interiorly of said cylinder, each abutment having a peripheral recess to receive a piston, a valve chamber extending laterally of and communicating with each abutment chamber, a rotary inlet valve in each valve chamber fixed to an abutment shaft, gear teeth carried by each abutment engaging said first gear, said cylinder having an exhaust port between each abutment chamber.

2,152,565
AUTOMOBILE LOCK
Samuel P. Peterson, El Paso, Tex.
Application April 28, 1938, Serial No. 204,892
1 Claim. (Cl. 70—212)



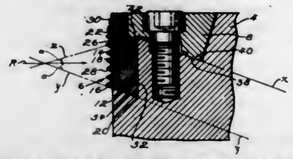
A theft preventing device for automobiles and the like comprising an anchoring element, said element having locking means to engage the steering wheel of the automobile and maintain it against unauthorized use, said locking means having a shackle comprising a rod, arms diverging from the rod, a body movably mounted on said rod adapted to close the space between said arms, said arms being shorter than the rod whereby they may be spaced from the body and engaged with the steering wheel on the opposite side to the rod and on opposite sides of a spoke.

2,152,566
VENTILATING STORM WINDOW
Edward W. Phillips, Flint, Mich.
Application July 16, 1938, Serial No. 219,648
5 Claims. (Cl. 98—88)



1. A storm window sash having an opening, a receptacle secured in the opening, louvers carried by the forward portion of the receptacle, an air filter removably mounted in the receptacle, to the rear of the louvers, and releasable means for holding the air filter in the receptacle.

2,152,567
CHASER FOR DIE HEADS
Charles A. Reimschissel, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 3, 1937, Serial No. 151,913
5 Claims. (Cl. 10—104)



1. A chaser holder having a surface adapted to co-operate with the back seating surface of a chaser, a second seating surface inclined with respect to said first named holder surface, and a clamp seating surface offset from and parallel to said second seating surface, said holder being provided with a threaded clamping screw bore having its axis arranged parallel to said first-named surface.

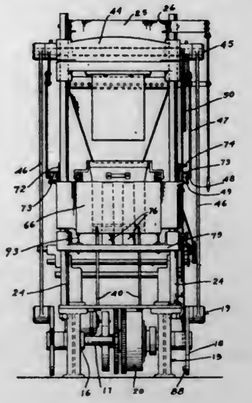
2,152,568
VEHICLE BODY
Donald G. Renno, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application February 26, 1937, Serial No. 127,835
9 Claims. (Cl. 296—28)

1. In a metal vehicle body, and in combination, transverse floor sills, a lower longitudinally extending sheet metal panel reenforcing member having an inwardly opening longitudinal channel at the upper edge formed with vertically spaced horizontal wall portions, said channel being fitted over the outer ends of the sills with the wall portions abutting the upper and lower portions



of the sills, an inner panel reenforcing member provided with an inturned flange at the lower edge, said flange being mounted on the outer ends of the sills, and an outer panel member secured at the lower edge to the lower edge of the lower reenforcing member.

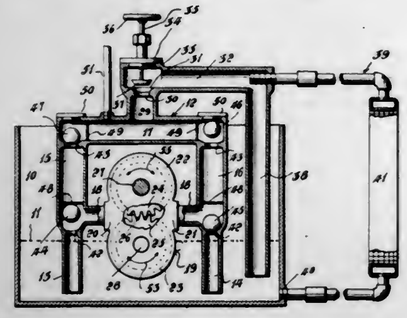
2,152,569
BLOCK PRESS
George J. Root and Arthur H. McCall, Elmira, N. Y.; said McCall assignor to said Root
Application December 24, 1934, Serial No. 758,971
12 Claims. (Cl. 25—45)



1. In a block press, a yieldingly supported mold box having an opening for the reception of aggregate, a pallet supported within the opening near one end thereof independently of the mold box, a press-head, means to advance the press-head toward the pallet support and cause it to enter the opening at the end opposite the pallet support, yieldingly supported cores within the mold box, said cores being yieldingly supported independently of said mold box, means to with-

draw the cores from within the mold box and releasable means to lock the cores in withdrawn position.

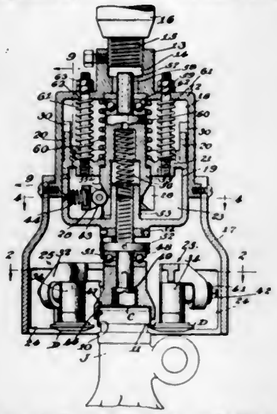
2,152,570
BRAKING DEVICE
Charles E. Scates, Hueneme, Calif.
Application June 2, 1938, Serial No. 211,458
4 Claims. (Cl. 188—92)



1. A brake system comprising a pipe line having spaced perpendicularly disposed passages opening at their lower ends, spaced horizontal passages communicating with said perpendicular passages, a pump casing mounted in the lower horizontal passage, rotary impeller gears mounted in said pump casing having their teeth in mesh, one of said gears adapted to be keyed to a driven shaft, a common outlet communicating with the intermediate portion of the upper horizontal passage, and ball valves mounted in said perpendicular passages and seating beneath the opposite ends of said horizontal passages, said gears drawing a braking fluid through one of said open ends to unseat the valve at one end of the lower horizontal passage to permit the fluid to be impelled through the pump casing and upwardly through the other perpendicular passage to unseat the valve at the top thereof to permit the fluid to pass outwardly through said outlet, a shut-off valve mounted in said outlet and adjustable to build up a pressure in said pipe line to resist the rotation of said impeller gears, means for returning the fluid from said outlet to the pipe line, and means for cooling a portion of said fluid as it is returned to the pipe line.

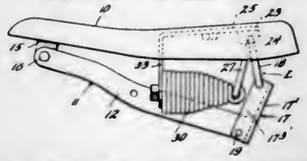
2,152,571
CLOSURE APPLYING APPARATUS
Charles F. Schmidt, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application September 30, 1937, Serial No. 166,669
2 Claims. (Cl. 226—87)

1. A closure applying apparatus comprising a casing providing a cylinder, a second casing slidably disposed within said cylinder and extensible therefrom, means normally maintaining said second casing extended from the cylinder, a chuck carried by said second casing and movable therewith, a shaft extending through said second casing eccentrically of the chuck, spinning means carried by said shaft eccentrically thereof and movable toward and away from said chuck upon turning of said shaft, a torque applying member mounted on said shaft within the second casing, a plunger connected to said first mentioned casing for movement therewith relative to the second casing and extending into said latter casing, said plunger having a cam surface thereon designed for camming engagement with said torque apply-



ing member, and means for rotating said first mentioned casing.

2,152,572
SADDLE FOR CYCLES
Earl W. Swett, Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan
Application April 24, 1936, Serial No. 76,271
Renewed March 8, 1938
7 Claims. (Cl. 155—5.20)

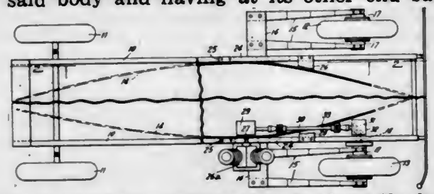


1. In a saddle for cycles, in combination, a seating member, a reach member extending longitudinally of the seating member and having one end hingedly connected thereto, and means for yieldingly opposing movement of the seating member toward the reach member, said means including a tension spring extending longitudinally of the seating and reach members and disposed upon one side of the longitudinal center line of said members and parallel thereto, means supporting said spring at one end upon one of said members and means connecting the other end of said spring to the other of said members, said last named means comprising a rock shaft having a transverse horizontal portion rotatably mounted upon the member from which said spring is supported, and a pair of crank arms on said rock shaft which are spaced apart in a direction transverse to said seating and reach members, one of said crank arms connected to the free end of said spring and the other operatively connected with said other member.

2,152,573
AUTOMOBILE
Edward T. Turner, Dayton, Ohio
Application May 13, 1936, Serial No. 79,543
8 Claims. (Cl. 180—1)

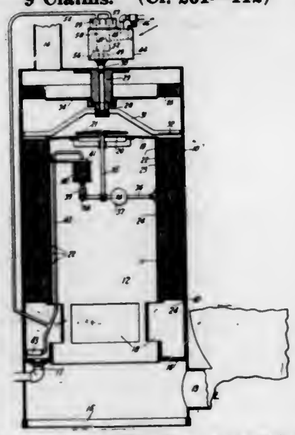
1. In an automobile, a frame comprising side members, wheels supporting said frame, an elongate body having its lower portion arranged between said side members and adapted to have vertical movement with relation thereto, and

springs mounted on the respective side members and extending lengthwise thereof, each spring being secured at one end to its supporting frame member relatively close to the center of gravity of said body and having at its other end sup-



porting connection with said body above the bottom thereof to permit the lower portion of said body to move below said frame, said springs constituting the sole means for supporting said body on said frame.

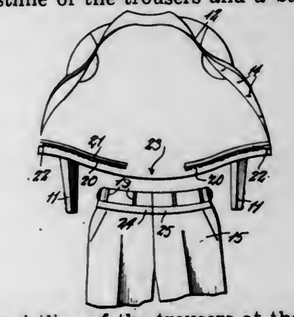
2,152,574
AIR CONDITIONING APPARATUS
Edward T. Turner, Dayton, Ohio
Application October 1, 1937, Serial No. 166,861
9 Claims. (Cl. 261—112)



1. In an air conditioning apparatus, an upright casing comprising an outer shell and an inner shell arranged within said outer shell and spaced therefrom to form a passageway between said shells, said outer shell having an air inlet communicating with the lower end of said passageway and an air outlet communicating with the upper end of said passageway, a plurality of baffles mounted in said passageway one above the other, a distributor to deliver water to the uppermost baffle, said inner shell forming a by-pass communicating with said air inlet, a valve to control the flow of air through said by-pass, means controlled in accordance with the temperature of the incoming air to actuate said valve, temperature controlled means for regulating the delivery of water to said baffles, and other temperature controlled means for increasing the delivery of water to said baffles when the incoming air has an excessively low temperature.

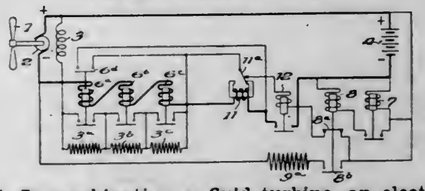
2,152,575
GARMENT
Mike Urbon, Brooklyn, N. Y.
Application October 13, 1938, Serial No. 234,819
3 Claims. (Cl. 2—70)

1. In a garment of the character described, a waist-coat and trousers, and a multiple separable fastener connection between the waistlines of the coat and trousers with the waistline of the coat overlying the waistline of the trousers and the separable fasteners, belt guide loops on the waistline of the trousers and a band carried



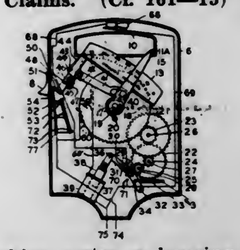
by the waistline of the trousers at the outer side thereof below the belt guide loops with the separable fasteners secured to the inner face of the band whereby said waist-coat may be attached to and separated from the trousers without opening the trousers at the waistline.

2,152,576
POWER REGULATING SYSTEM
Robert W. Weeks, West Chester, Pa., assignor to Edward M. Weeks, Washington, D. C.
Application June 25, 1936, Serial No. 87,309
9 Claims. (Cl. 290—44)



1. In combination, a fluid turbine, an electric generator driven by said turbine, a field winding connected in shunt to the armature of said generator and having a resistance connected in series therewith, a load circuit for said generator, and means responsive to an increase in current in the load circuit for short-circuiting a portion of said field resistance.

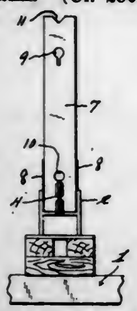
2,152,577
PARKING METER
Max M. Weaver, Oklahoma City, Okla.
Application July 13, 1936, Serial No. 90,415
6 Claims. (Cl. 161—15)



1. In a parking meter, a housing, a pivot, a mast arm pivoted in said housing on said pivot, a pair of windows mounted in the sides of said housing, a pair of time charts mounted on said mast arm and arranged to swing on said mast arm pivot to register through said windows when

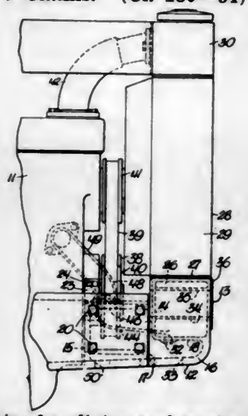
in a raised position, said time charts arranged to swing with said mast arm downwardly to disappear from view on the external side of said windows, a bell crank pivoted in said housing, said bell crank having an arm extending from the fulcrum thereof, a spring connecting said arm to said mast arm below said bell crank fulcrum, said bell crank having a second arm, a link arm pivoted to said second arm, said link arm forming a slotted portion therein, a shaft mounted in said housing, a pair of indicator arms secured to said shaft and pivoted in said housing to have the pointers thereof sweep the faces of said charts when the latter are in the raised positions and exposed through the windows of said housing to indicate the time on said chart, a pin mounted in one of said indicator arms to work in the slotted portion of said link arm, said bell crank mast arm and spring being located to be moved by one of said indicator arms as said arm approaches one limit of its travel, whereby the spring is pulled past the mast arm fulcrum and bell crank fulcrum by the bell crank spring-connected arm to raise the mast by the spring tension when the spring is on one side of said mast arm and bell crank fulcrums, and to lower the mast by the spring tension when the spring is on the opposite side of said fulcrums, gearing mounted in said housing, said gearing being connected to said shaft, an electric motor, an electrically operated clutch, said clutch being arranged to be engaged and disengaged with said gearing, said motor driving said gearing in one direction when said clutch is engaged, a motor spring, said motor spring being connected to said housing, and said indicator shaft, said motor spring being wound when said electric motor drives in one direction and said clutch is engaged, and said motor spring driving said indicator arms in the opposite direction when said clutch is disengaged, electric circuits, electric switches, said switches arranged to control said circuits, said circuits controlling said motor and said clutch.

2,152,578
LOGGING TRUCK STANDARD
William F. West, Pine Bluff, Ark.
Application September 15, 1938, Serial No. 230,109
1 Claim. (Cl. 280—143)



A truck standard adapted to slidably position in an upwardly opening channel of a truck bolster, comprising a base arm designed to slidably engage in said bolster channel and formed of channel material, a vertical arm of channel material secured at one end to an end of the horizontal arm, reinforcing web plates secured across the angle formed between said arms, said horizontal arm having the channel thereof directed upwardly and said vertical arm having the channel thereof directed inwardly toward the opposite end of the horizontal arm, means for coupling loading chains with the vertical arm comprising a pair of vertically spaced key-hole slots formed through the vertical arm, and means for engaging a loading chain with the upper end of the vertical arm consisting of a notch formed in the upper end edge thereof.

2,152,579
RADIATOR AND ENGINE SUPPORT
David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and William O. Bechman, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application November 4, 1937, Serial No. 172,807
7 Claims. (Cl. 180—54)



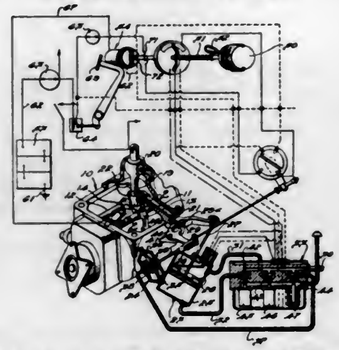
1. A combined radiator and engine support for a vehicle having an engine disposed between a pair of side frame members, said support being adapted to be secured between the frame members and comprising a box-like structure having front, rear, intermediate and side walls, a main bottom, and a secondary bottom spaced above the main bottom, said rear wall being adapted to support the engine, said front, intermediate and side walls and the secondary bottom forming a hollow portion open at the top for supporting and serving as the lower water tank for a radiator, said secondary bottom having a water drain and said main bottom having an opening in alinement with said drain to provide access thereto.

2,152,580
JOURNAL BOX SEAL
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application April 2, 1935, Serial No. 14,354
6 Claims. (Cl. 286—6)



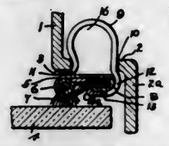
1. A dustguard, comprising a metal plate apertured to receive the dustguard seat portion of an associated axle, with the outer edge portions of said plate flanged and the inner edge portions curved rearwardly, a rubber ring molded to correspond with said curved inner edge portions and engaging the front surface thereof, a leather diaphragm engaging the front surfaces of said plate and rubber ring, and a metal ring engaging the front surface of said diaphragm and secured to said plate, said metal ring being concavely curved toward said diaphragm to hold it in nesting engagement with said rubber ring with the inner edge portion of said diaphragm pointed rearwardly.

2,152,581
TRANSMISSION CONTROL MECHANISM
Erwin J. Benz, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 22, 1937, Serial No. 165,036
26 Claims. (Cl. 74—334)



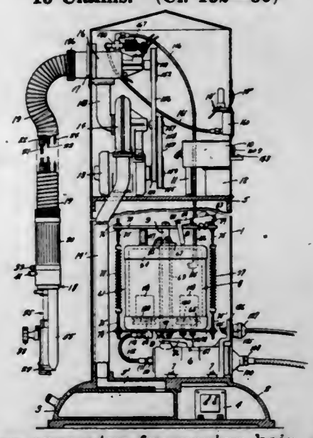
1. In an automotive transmission having a gear slidable in the direction of its longitudinal axis into and out of meshing position, manually operable remote control means including a selector lever shaft, said gear adapted to be moved automatically in response to predetermined movements of said shaft; a member moving with said gear in the longitudinal sliding thereof, and means controlled by said member and adapted to resist yieldably the predetermined movements of said shaft when said gear is in its out-of-mesh position.

2,152,582
WINDOW STRIP INSTALLATION AND FASTENER FOR THE SAME
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 2, 1937, Serial No. 134,581
3 Claims. (Cl. 24—73)



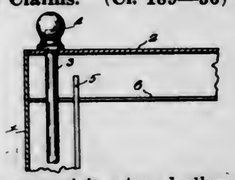
2. A snap fastener member comprising a base portion, a head portion extending upwardly from said base and a hook-shaped portion extending beneath said base, said head portion having an opening extending entirely therethrough and into said base and said hook-shaped portion, said head portion being divided by said opening into resilient petals for snap fastener engagement with a cooperating socket device, and the distance between opposed free edges of said petals adjacent said opening at the side of said head portion near said hook-shaped portion being greater than the distance between opposed free edges of said petals adjacent said opening at an opposite side of said head portion.

2,152,583
HAIR WAVING MACHINE
Fernan O. Conill, New York, N. Y.
Application January 23, 1937, Serial No. 122,056
In France April 27, 1936
13 Claims. (Cl. 132—36)



1. In an apparatus for waving hair, a waving mechanism, an electrically operated device for generating steam, a conduit associated with said device for conveying steam to the waving mechanism, a second conduit concentric with said first conduit for conveying the steam from the waving mechanism after the waving operation.

2,152,584
FRAME FOR FIRE SCREENS, ETC.
Harold B. Cranshaw, West Newton, Mass., assignor to Cutler Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application December 15, 1937, Serial No. 179,937
6 Claims. (Cl. 189—36)

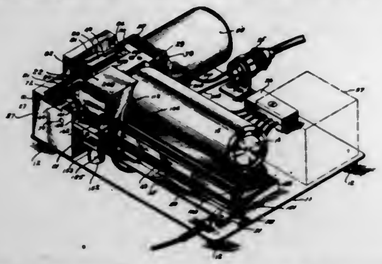


5. A frame comprising two hollow rectangular frame members each having a slot in its inner wall and opposed flanges on opposite sides of the slot, the slots being approximately equal in width, the inside width of the first member approximating the outside width of the second member and the flanges of the first member being interrupted so that the end of the second member fits snugly into the first member, the second member having transverse slits extending from its inner side through its flanges and thence along its front and rear sides part way toward its outer side, and said flanges of the first member extending into said slits and seating against the closed ends of the slits.

2,152,585
DICTATING MACHINE
William F. Feyrer, Norwalk, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application March 25, 1931, Serial No. 525,172
Renewed October 3, 1938
91 Claims. (Cl. 274—17)

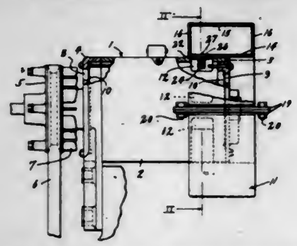
1. In a dictating machine having a carriage

slidably mounted relatively to a rotatable mandrel, driving means, a feed-screw, means cooperating with said driving means to rotate said mandrel and to rotate said feed-screw to forward space said carriage at a relatively slow speed, and means



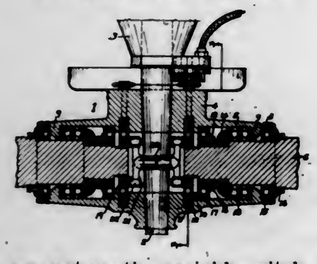
acting independently of said mandrel-rotating means adapted to cooperate with said driving means to rotate said feed-screw at a relatively high speed in the reverse direction to provide a rapid backspacing movement of said carriage.

2,152,586
SAFETY DEVICE FOR ELECTRICAL APPARATUS
Orville B. Freeman, Ventura, Calif.
Application May 4, 1938, Serial No. 206,091
4 Claims. (Cl. 172—36)



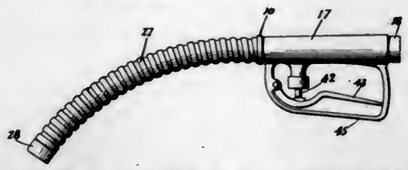
1. An article of manufacture comprising a casing defining a closed space and adapted to be bolted onto an electrical machine having a window therein, said casing having an inlet valve and an outlet valve so positioned as to lie in juxtaposed relation to said window when said device is secured to said machine.

2,152,587
CONTROLLED VARIABLE PITCH PROPELLER
Blaine B. Gemeny, Washington, D. C., assignor of one-third to Earle D. Crammond, Washington, D. C.
Application July 30, 1935, Serial No. 33,893
9 Claims. (Cl. 170—162)



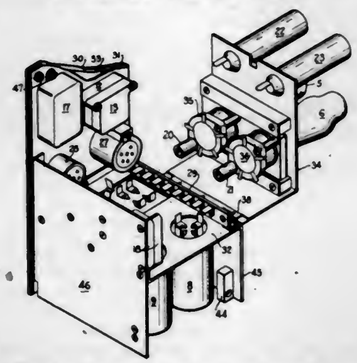
1. In an automatic variable pitch propeller having a hub and a plurality of blades mounted for turning movement in the hub, adjusting means mounted in the hub including separate worm and gear connections to said blades and a manually operable member on the outside of the hub for varying the angle of the blades to adjust the propeller to a predetermined pitch prior to its operation, means for intermittent connection with said adjusting means for manually varying the pitch of the propeller when the propeller is being operated, and means for automatically varying the pitch of the adjusted propeller in relation to the air forces acting on the blades when the propeller is rotated, said last mentioned means having its range of automatic variation determined by the position of adjustment of the manually operable means.

2,152,588
FLUID DISPENSING DEVICE
John C. Griesemer, Reading, Pa.
Application May 26, 1938, Serial No. 210,264
6 Claims. (Cl. 221—84)



1. A tubular structure for dispensing gasoline and the like, comprising a metallic outer sheath of helically wound strip material rendering it longitudinally extensible and laterally flexible, and non-sparking means in the sheath protecting the same against leakage laterally therethrough of liquid flowing through the structure.

2,152,589
ELECTRICAL APPARATUS
Paul Haas, Maspeth, Long Island, N. Y., and William T. Taber, Bloomfield, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 14, 1935, Serial No. 49,768
5 Claims. (Cl. 179—171)



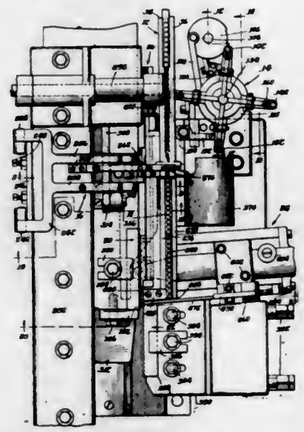
1. Electrical apparatus comprising a casing, a plurality of horizontal shelves and vertical plates in said casing forming a plurality of distinct vertically arranged compartments, and a plurality of electrical elements attached to said shelves disposed in upper and lower compartments, the terminals of said elements being positioned adjacent one another within a common central compartment and one of said shelves forming a right angle and tiltable to a vertical position to expose the terminals of said elements.

2,152,590
STRIP FASTENER
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 10, 1936, Serial No. 115,118
2 Claims. (Cl. 85—5)



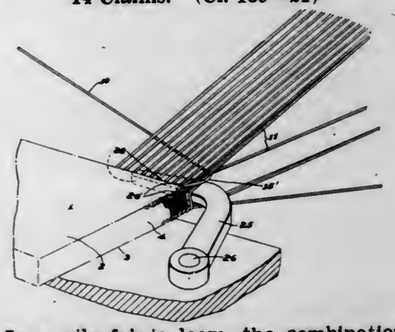
1. A fastening device of the class described formed from one piece of sheet metal and having a base portion, an attaching means extending from said base portion at one side thereof and a clamping portion integral with said base portion, said clamping portion having a portion extending away from said base in angular relation thereto and a free end portion extending toward said base, said free end portion having a substantial width and providing a row of teeth at its outermost free end so as to engage a strip disposed between said free end and said base for clamping said strip to said base.

2,152,591
SCREW AND WASHER ASSEMBLING MACHINE AND METHOD
Walter M. Hanneman, Oak Park, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application February 17, 1937, Serial No. 126,292
58 Claims. (Cl. 10—2)



1. The method of assembling a screw having a clamping head with a lock washer, which comprises feeding the screw and washer along different predetermined paths into juxtaposition and alinement, retaining the washer stationary while inserting the screw partially thereinto, releasing the washer, thereafter forcibly pressing the washer and the clamping head of the screw into close juxtaposition and while retaining the washer in such position enlarging the shank of the screw at a point on the opposite side of the washer from the clamping head so that the shank diameter of said screw element at said point exceeds the diameter of the hole in the washer.

2,152,592
PILE FABRIC LOOM
Harold V. Hardiman, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application February 15, 1937, Serial No. 125,693
14 Claims. (Cl. 139—21)



1. In a pile fabric loom, the combination of heddles for forming warp sheds wherein warps form crossings at points remote from the fell, shuttle mechanism for introducing weft shots into the sheds thus formed, a pair of warp deflectors, one disposed adjacent each selvage and each movably mounted in position to enter an opening behind only a limited number of warps leading to a correspondingly limited number of crossings adjacent its respective selvage, and to move said limited number of warps and crossings only toward the fell, and means for alternately actuating the said deflectors in timed relation to the shuttle mechanism to dispose the crossings, so moved, in proximity to the fell when the shuttle, entering the shed at the adjacent selvage, is thrown, whereby to facilitate the draw of the wefts toward the fell by the tension in the shuttles.

2,152,593
METHOD OF PREPARING YEAST RAISED DOUGH FOR BAKING
Henry Jung, Manhattan, Ill.
No Drawing. Application July 9, 1937, Serial No. 152,758
2 Claims. (Cl. 99—90)

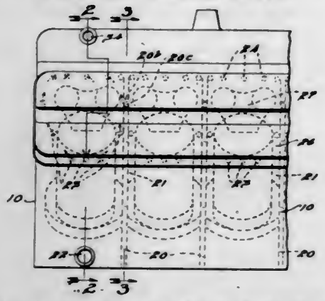
1. The process of preparing a complete batch of yeast raised dough for making which consists in (1) mixing a partial batch of yeastless dough in quantity amounting to not less than one-fourth of the complete batch, omitting the customary salt and containing all the sugar necessary for the complete batch; (2) mixing another partial batch of yeastless dough of a quantity when added to the first mentioned partial batch amounting to enough to make the complete batch, omitting the customary sugar and containing all the salt necessary for the complete batch; (3) letting the two separate partial batches stand from preferably not less than five hours and preferably not more than twelve hours at temperatures from approximately 60 degrees F. to approximately 90 degrees F.; (4) uniting the two partial batchs with sufficient yeast and water and kneading the same to produce a perfectly homogeneous mass of normal bread dough; and (5) allowing the dough to rise.

2,152,594

INTERNAL COMBUSTION ENGINE

Paul Klotsch, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application February 26, 1937, Serial No. 127,814
8 Claims. (Cl. 123—173)



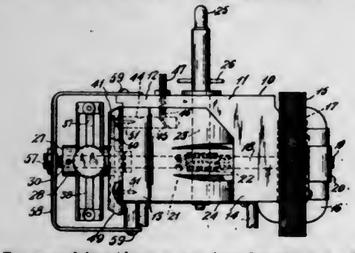
1. In an internal combustion engine having a plurality of cylinders, a water jacket provided around each of said cylinders for circulating a liquid coolant therethrough, means for distributing the coolant to said jackets before it absorbs any substantial amount of heat from the walls of said cylinders, and means for circulating the coolant so distributed substantially parallel to the individual cylinders.

2,152,595

CONSTANT SPEED CONTROL FOR MOTORS

Paul U. Lannerd, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio

Application July 21, 1937, Serial No. 154,796
14 Claims. (Cl. 188—187)



1. In combination a motor having a shaft rotatably mounted in the housing thereof, and a speed control mechanism including a governor mounted on said shaft and rotatable therewith, a disc operatively connected to said governor for rotation therewith but movable axially relatively thereto under the influence of said governor, a felt abutment adjustably mounted in said motor housing and having a projecting end engageable with said disc for frictionally retarding its rotation, a lubricant absorbent means on said housing and in contact with the projecting end of said felt abutment for substantially continuously supplying lubricant thereto, and means for collecting and returning the spent lubricant to said lubricant absorbent means.

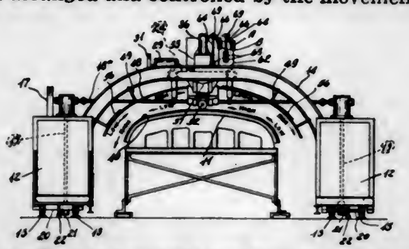
2,152,596

WELDING APPARATUS

Carl Lorenz, Chicago, Ill., and Clyde F. Kaunitz, Bay City, Mich.

Application November 8, 1937, Serial No. 173,300
20 Claims. (Cl. 219—4)

1. The combination with a traversing carriage of a welding machine, electrodes carried by said carriage and movable towards and away from the work, means for moving the electrodes towards the work under pressure, of means so constructed and arranged and controlled by the movement of



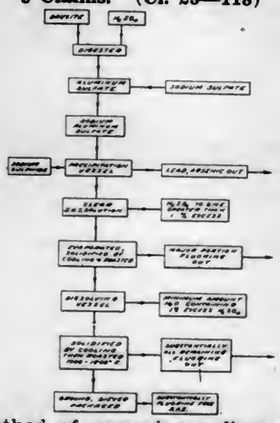
the carriage and cooperating with the last named means for varying the pressure of the electrodes on the work as the carriage moves over the work.

2,152,597

METHOD OF PREPARING SODIUM ALUMINUM SULPHATE SUBSTANTIALLY FLUORINE FREE

David Lurie, Joliet, Ill., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware

Application March 19, 1937, Serial No. 131,795
5 Claims. (Cl. 23—118)



1. A method of preparing sodium aluminum sulphate with a low fluorine content suitable for use as a baking powder ingredient, which includes the following steps, treating sodium aluminum sulphate high in fluorine with from 1 to 8% of sulphuric acid in excess of that required to combine with any aluminum and sodium present, uncombined as sodium aluminum sulphate, evaporating the resulting solution and roasting the product at a fluorine removing temperature under 1200° F., dissolving the calcined material in water containing 1 to 8% of sulphuric acid in excess of that required to combine with the aluminum and sodium present and evaporating the solution and roasting the resulting product at a fluorine removing temperature under 1200° F. whereby the major portion of the fluorine remaining after the first roasting treatment is removed.

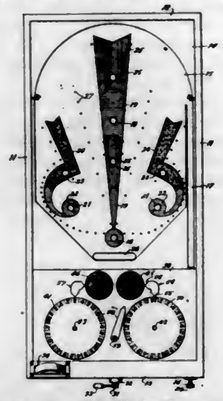
2,152,598

AMUSEMENT APPARATUS

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application December 2, 1935, Serial No. 52,446
10 Claims. (Cl. 273—118)

1. In a pin ball game apparatus the combination with a playing board having a plurality of ball receiving openings therein which are marked to distinguish them from one another, a playing ball, means for controlling the movement of said ball including a manually operable control member and a projecting device of a rotatable dial having indicia thereon corresponding to the markings of the board openings, a second rotatable dial disposed adjacent said first dial, said second dial having a series of numbers thereon indicating points or scores, a reference indicator



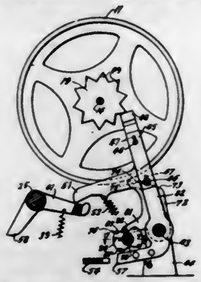
disposed adjacent said dials for correlating their positions of rest to show the number on the score indicating dial corresponding to a particular indicia on the other dial, and means operable by the game apparatus prior to the completion of its cycle of operations for changing the relative positions of rest of said dials to thereby change the point or score indicated for a particular indicia and its corresponding opening in the playing board.

2,152,599

AUTOMATIC STOP CONTROL MECHANISM FOR COIN-OPERATED MACHINES

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application April 20, 1936, Serial No. 75,338
13 Claims. (Cl. 273—143)



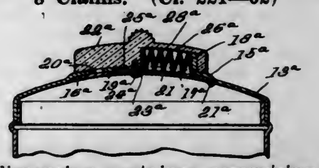
1. In a machine of the class described, the combination of a plurality of rotatable elements, means for starting rotation of said elements, and means for automatically stopping rotation of said elements including stop members on the elements, stop levers movable into engagement with said stop members to arrest rotation of said elements, each of said levers being adjustable in length, and means operable by said starting means independently of any action of the operator other than the operation of such starting means for automatically adjusting said levers to a predetermined length on certain operations of the machine, and to another length on the other operations thereof, whereby to stop said elements in positions of one series when said levers are in the first adjusted position and in positions of another series when said levers are in the second adjusted position.

2,152,600

DISPENSING CONTAINER

Charles C. Morrison, New York, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 22, 1938, Serial No. 215,274
8 Claims. (Cl. 221—62)



1. A dispensing container comprising a body portion, a can top therefor having a dispensing opening, a closure for controlling the dispensing opening, means for slidably mounting said closure on the can top, and spring means housed by said closure for normally maintaining the closure covering the dispensing opening.

2,152,601

WINDOW STRIP INSTALLATION AND FASTENER FOR THE SAME

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 30, 1937, Serial No. 133,836
7 Claims. (Cl. 24—213)



1. A fastener member having a resilient shank comprising legs of ribbon-like material connected at their leading ends, one of said legs having a pair of oppositely disposed notches in the narrow edges thereof adjacent the free end, material at the narrow edges of said leg adjacent the ends of said notches away from said free end providing shoulders adapted to engage the upper surface of a supporting part adjacent an aperture in said part, portions adjacent the ends of said notches toward said free end adapted to engage a lower surface of said support, a base portion at the free end of said leg, said base portion having a laterally extending clamping portion at the outermost end thereof for clamping an article against a face of said support, said other leg having a portion for resiliently engaging the material adjacent said aperture, and a laterally extending portion at the free end of said last-mentioned leg.

2,152,602

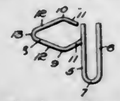
FOOD PRODUCT

Emil Ott, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 9, 1937, Serial No. 147,385
13 Claims. (Cl. 99—150)

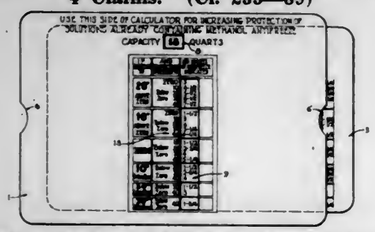
1. A food product, normally subject to staling, that is staling-resistant and non-deleterious and carries a small amount of a product of the direct reaction of an aldose with ammonia.

2,152,603
SNAP FASTENER MEMBER
Lloyd G. Pender, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 16, 1936, Serial No. 105,965
1 Claim. (Cl. 24—73)



A snap fastener of the class described comprising a base having spaced-apart, substantially parallel arms connected at one end and snap fastener means of substantially less width than the base extending from one of said arms inwardly from the end thereof, said snap fastener means having relatively thin diverging and converging leg portions formed entirely from material taken within the periphery of the arms of said base portion, one free end of one of said legs being integral with one of said arms, the other free end being connected only to the other of said legs.

2,152,604
CALCULATING DEVICE
Lester E. Perry, Maywood, Ill., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application March 15, 1937, Serial No. 130,932
4 Claims. (Cl. 235—89)



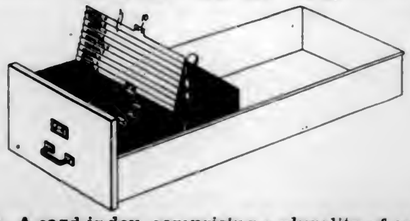
1. A device for calculating the amount of a solute required to adjust a given volume of a solution to a desired concentration, comprising a member carrying indicia representing correlated present and desired concentrations, a second member carrying correlated indicia representing volumes of solution and amounts of solute to be added, the said members being movable relative to each other, and the said first member being apertured whereby when one of the indicia carried by said second member, representing a volume of solution, is visible, the corresponding indicia carried by said second member, representing amounts of solute to be added, are visible adjacent the indicia carried by said first member.

2,152,605
DECK HOUSE
Earl J. W. Ragsdale, Norristown, Pa., Charles B. Conwell, Los Angeles, Calif., and Thomas Gihon Jordan, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1934, Serial No. 716,837
Renewed September 2, 1938
6 Claims. (Cl. 189—34)

2. A metallic building structure, comprising a plurality of substantially rigid panel units each comprising a substantially flat sheet, transverse reinforcements constituted by a corrugated sheet fastened to the flat sheet with the corrugations terminating short of the side margins of the flat sheet, a sheet metal angle-section strip connecting the corrugations at their ends to form an open truss beam structure along each side of the panel and a plurality of frame elements of channel section having the bottom of the channel abutting the marginal edges of adjacent panel units and one edge of the angle section strip abutting a side of the frame element.

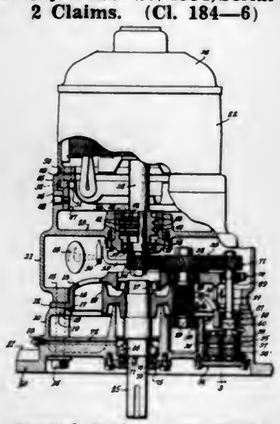


2,152,606
CARD INDEX
Benjamin G. Rand, Glendale, Calif., assignor to Remington Rand Inc., Buffalo, N. Y.
Application October 12, 1937, Serial No. 168,631
5 Claims. (Cl. 129—16.5)



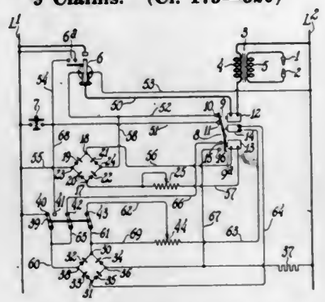
4. A card index, comprising a plurality of cards, a clip on each card formed of a folded strip having opposite ends engaged with opposite faces of said card, a pair of tongues on one end portion of said strip, said strip having the opposite end portion formed with a slot, to detachably receive the tongues of a clip on an adjacent card for limited sliding movement therein whereby corresponding margins of adjacent cards may be offset in visible index relation.

2,152,607
VERTICAL GEARED MOTOR
Walter P. Schmitter and Ralph Wiken, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 20, 1934, Serial No. 744,772
2 Claims. (Cl. 184—6)



1. In a geared motor comprising a vertical housing having mounting means at the lower end thereof, a motor mounted at the top of said housing, a vertical shaft projecting through the bottom of said housing, and gearing in said housing through which said shaft is driven from said motor, the combination of a lubricant reservoir in the bottom of said housing, a pump in said housing driven from said motor and supplied from said reservoir, said pump having two separate impeller chambers and separate impelling means therein alternatively effective in accordance with the direction of operation of said motor, and separate conduits separately connected with said two impeller chambers respectively for lubricating said gearing.

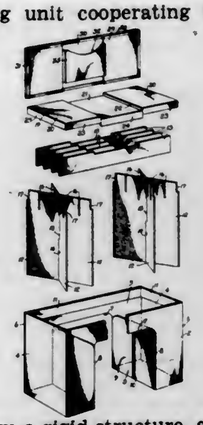
2,152,608
CONTROLLER FOR ELECTRIC WELDER AND OTHER CIRCUITS
Carroll Stansbury, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Continuation of application Serial No. 19,405, May 2, 1935. This application January 13, 1936, Serial No. 58,789
9 Claims. (Cl. 175—320)



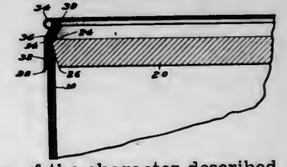
1. In a controller for an electric circuit, in combination, an electroresponsive device, means operative to effect completion of said circuit but only when said device is in a given position, said device having an operating winding included in the controlled circuit and further having a holding winding and a restraining winding, a loop containing rectifier elements and having connections with an alternating current supply and connections to said restraining winding, a shunt circuit for said loop and a circuit for said holding winding, the last two mentioned circuits being completed by said means each time the latter is operated to complete the controlled circuit.

2,152,609
KNOCK-DOWN DESK
Milton S. Stevenson, Larchmont, N. Y., and Raymond Wells, Bridgeboro, N. J.; said Stevenson assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, and said Wells assignor to Kleckhefer Container Company, Delair, N. J., a corporation of Maine
Application September 26, 1935, Serial No. 42,308
16 Claims. (Cl. 45—6)

16. A collapsible desk comprising an outer casing of sheet material formed to provide side, front and rear panels, spaced inner side panels of less height than the other panels secured to the front and rear panels intermediate the ends to form tubular pedestals at the ends of the desk and define a central opening extending from the front to the rear of the desk at the lower portion thereof, a supporting unit having vertically extending end supports removably engaged in said pedestals and horizontal supporting members supported on top of and extending between and across the upper end portions of said end supports above said inner side panels, said casing and supporting unit cooperating in assembled relation to form a rigid structure, and a laterally extending top member supported thereby.



2,152,610
HEAVY DUTY FIBERBOARD KEG
Gerard L. Studley, Walpole, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application January 31, 1938, Serial No. 187,869
6 Claims. (Cl. 229—5.7)

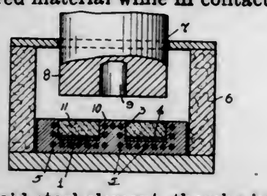


1. A keg of the character described, comprising a fiber board sheet in overlapped cylindrical form having at least at one end thereof a drum head construction including a circular drum head seated interiorly of said cylinder, and a metallic hoop having a substantially cylindrical lower portion of an internal diameter greater than any diameter of said head, and an adjacent frusto-conical portion tapering upwardly and radially inwardly therefrom to an internal diameter less than the greatest diameter of said head, said hoop being preformed and movable as a unit relative to said fiber board upon assembly or disassembly of said drum head, but after assembly, being fixedly positioned exteriorly of said cylinder with the cylindrical portion thereof disposed circumferentially around said head and with said frusto-conical portion extending upwardly over said head, thereby folding marginal portions of said fiber board radially inwardly over the top edge of said head, and presenting an unconfined top edge of said fiber board crimped to an exterior diameter smaller than the greatest diameter of said head, whereby accidental displacement of said head from said keg is prevented.

2,152,611
METHOD OF MAKING COMPOSITE METALLIC ELEMENTS
Carl E. Swartz, Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application July 22, 1936, Serial No. 91,869
2 Claims. (Cl. 75—22)

1. In a method of making composite metallic elements, the steps of providing a steel supporting element, copper plating the surface of said steel element, compressing in the range of 500

to 2000 pounds per square inch, forming and heating to a temperature of 1450° to 1950° F. a copper base powdered material while in contact with the



surface of said steel element, thereby integrating and bonding the powdered material to said steel element, said compressing, forming and heating steps being performed simultaneously.

2,152,612
COVERED ROLLER

Frank V. Tischer, Dayton, Ohio; Anna M. Tischer, executrix of Frank V. Tischer, deceased, assignor to Anna M. Tischer

Application November 23, 1936, Serial No. 112,307
5 Claims. (Cl. 91—67.8)



1. The method of applying a textile cover to a metal roller which comprises wrapping a textile element about said roller, coating the surface of said element with glue, drying the glue, wrapping the textile cover about the glue coated element and subjecting said element and said cover to moisture to cause the glue to join them one to the other.

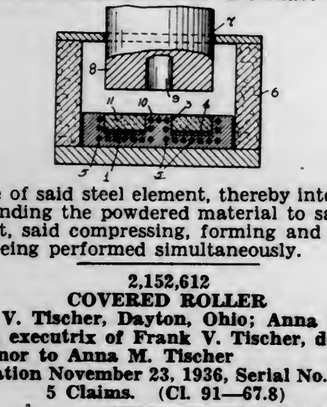
2,152,613
ACID INDOLEPHENYLMETHANE DYESTUFFS

Paul Wolff and Wilhelm Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 26, 1935, Serial No. 51,679. In Germany November 27, 1934

2 Claims. (Cl. 260—319)

1. The compound of the formula:

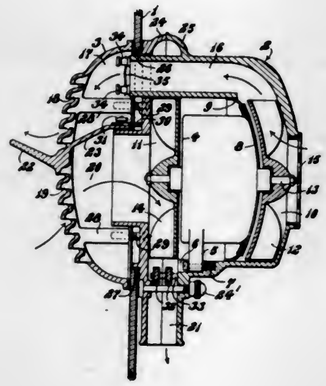


which in the form of its sodium salt dyes wool and silk tints of very good fastness to light and very good color in artificial light.

2,152,614
VENTILATING DEVICE

Alexander Reginald Younger, Edgware, England

Application May 10, 1938, Serial No. 207,113
In Great Britain February 6, 1937
4 Claims. (Cl. 98—33)



4. A ventilating apparatus adapted for use with a supporting panel or wall having a single opening therein, including a casing adapted for positioning in said single opening, the casing being constituted by two parts and means for clamping said parts together so that they embrace the panel therebetween and thus effect the support of the casing upon said panel, one of said parts having mounted therein an electric motor, an extracting fan at one end of the shaft of said motor, an air intake fan at the other end of said shaft, said one casing part having therein partitioning means cooperating therewith to provide separate chambers for the two fans and inlet and exhaust ducts communicating with the other casing part, said other casing part having therein openings and a partition dividing said part into separate inlet and exhaust ducts for fresh and vitiated air communicating through said first mentioned ducts with the intake and extracting fan chambers respectively, said one casing part having an inlet opening for one of said chambers and an outlet opening for the other of said chambers, an electric heating resistance in the inlet duct, and means for supporting a fuse wire in a position in which it is subject to a current of air created by one of the fans, said fuse wire being electrically connected with the electric heating resistance whereby upon failure of the motor the fuse wire will fuse and interrupt the supply to said resistance.

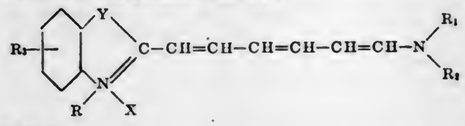
2,152,615
PENTAMETHINE-OMEGA-ALDEHYDES OF HETEROCYCLIC BASES

Walter Zeh, Wolfen, Kreis Bitterfeld, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application August 25, 1937, Serial No. 160,829. In Germany August 29, 1936
4 Claims. (Cl. 260—289)

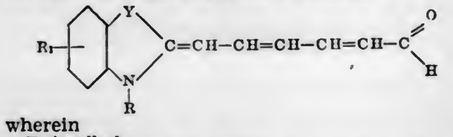
1. A process of producing pentamethine-omega-aldehydes of heterocyclic bases, which process

comprises treating with alkali a compound of the following general formula



wherein
X is one of the group consisting of —CH=CH—, Se, S,
R is alkyl,
R_1 is an aromatic radical,
R_2 is one of the group consisting of alkyl and (jointly with R_1) a hydroaromatic radical,
R_3 is one of the group consisting of hydrogen, a fused-on benzene nucleus and the alkoxy-groups,
while
X is an anion.

4. Pentamethine-omega-aldehydes corresponding with the following general formula

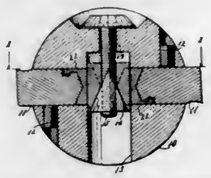


wherein
R is alkyl,
Y is one of the group consisting of —CH=CH—, Se, S,
R_3 is one of the group consisting of hydrogen, a fused-on benzene nucleus and the alkoxy-group.

2,152,616
CUTTER ASSEMBLY

George F. McFadden, Roanoke, Va.

Application April 13, 1937, Serial No. 136,549
3 Claims. (Cl. 77—56)



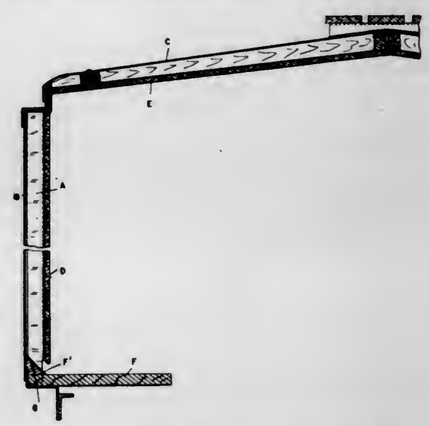
1. In a cutter assembly the combination of a holder and cutter element mounted therein, a removable backing element associated with the cutter and mounted in said holder therewith so as to cause said cutter to extend from said holder beyond its normal extension therefrom and means for inter-locking said cutter and said backing element.

2,152,617
CONDENSATIONPROOF CAR CONSTRUCTION

William D. Thompson, Birmingham, Mich., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application April 20, 1936, Serial No. 75,471
4 Claims. (Cl. 105—423)

1. A car for transporting moisture laden material and protecting the same from condensation comprising a car body, a lining therefor which is pervious to moisture laden air and moisture absorptive material arranged and extending substantially continuously between said body and lining covering substantially the entire outer

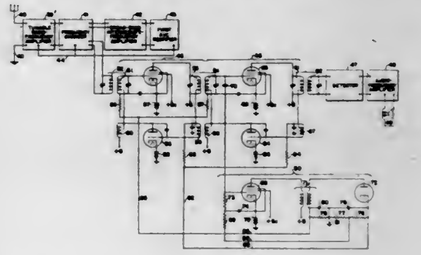


surface of the latter, said material having sufficient capacity to absorb the moisture as liberated.

2,152,618
AMPLIFIER SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 21, 1936, Serial No. 91,656
30 Claims. (Cl. 179—171)



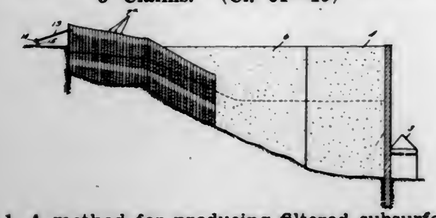
23. In a modulated-carrier signal receiver, a variable band-pass selector system for controlling the selectivity and responsiveness of the receiver comprising a pair of circuits resonant at frequencies within said band, directive coupling means including a vacuum-tube repeater coupling said circuits in the forward direction, separate coupling means coupling said circuits in the backward direction, said coupling means being substantially less frequency-selective than said circuits and providing a coupling reaction between said circuits which is degenerative at frequencies in the vicinity of said resonant frequencies and regenerative at lower and higher frequencies, and means for adjusting both of said coupling means in accordance with the intensity of a received carrier, one of said coupling means being adjusted inversely to the other, simultaneously to vary the amplification in said system and the width of the frequency band passed by said system, said last-named means being effective to adjust said backward coupling means only when the intensity of the received carrier exceeds a predetermined value.

2,152,619

METHOD OF AND APPARATUS FOR PROVIDING FILTERED WATER FOR POWER PURPOSES AND THE LIKE

James M. Maher, Fremont, Nebr., assignor of one-half of one per cent to Gerard J. Reeson, ten per cent to Anna R. Daly, fourteen per cent to Cora E. Berhenke, and twenty-four per cent to John F. Mundy, all of Fremont, Nebr.

Application November 18, 1938, Serial No. 241,250
5 Claims. (Cl. 61—19)



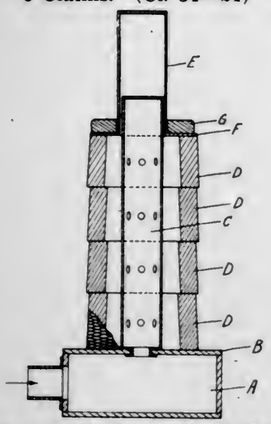
1. A method for producing filtered subsurface water for hydro-electric power and other purposes, said method consists of providing an intake or artificial lake basin, an impounding basin having the bottom thereof below the plane of the bottom of the intake lake-basin and a canal leading down-grade from the intake-basin to the impounding basin, both of said basins and said canal being dug to a depth reaching a substrata of clay, and walling said intake lake-basin and opposed walls of the channel from the intake lake-basin to a point materially removed from said intake lake-basin with perforated piling to permit the filtering of subsurface water into said intake lake-basin.

2,152,620

MANUFACTURE OF ARTIFICIAL THREADS, FILAMENTS, AND THE LIKE

Eric Andrew Morton, Coventry, England, assignor to Courtaulds, Limited, London, England, a British company

Application February 29, 1936, Serial No. 66,490
In Great Britain March 1, 1935
6 Claims. (Cl. 34—24)



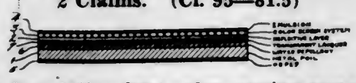
2. In the manufacture of artificial thread, wherein cakes formed by the centrifugal box spinning process are subjected to liquid treatment, the improvements which comprise: first controlling the traverse during spinning to cause the threads of the cake to cross each other at an angle of at least 12°; later aligning and directly contacting the wet cakes from said liquid treatment into a hollow vertical column without separators and with the inner layers of the cakes unsupported and free to contract, closing the ends of said column, supplying gaseous drying medium into the hollow interior of said column at points distributed axially therealong and spaced inwardly from the inner layers of said cakes whereby the same are free to contract upon drying, and the angle of winding compels even passage of said gaseous medium through said cakes gradually displacing the moisture through the outside layers, and weighting said column to take up axial shrinkage and maintain said even passage during the drying operation.

2,152,621

BASE FOR COLOR COPYING SCREENS

Franz Piller, Munich, Germany

Application May 29, 1936, Serial No. 82,621
In Germany June 4, 1935
2 Claims. (Cl. 95—81.5)



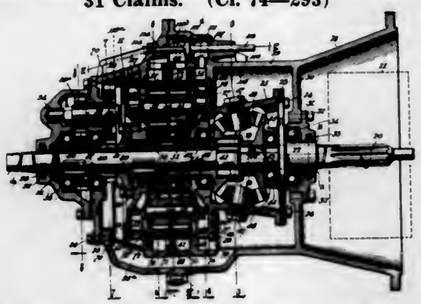
1. A foundation for a color copying screen comprising a sheet of metal foil, the metal of said foil having a low expansion coefficient, a moisture repellent layer on one surface of said foil, a reflective layer superimposed upon said first layer, said foil having a strength greater than the total strength of said layers to prevent the expansion and contraction thereof, and a color line screen formed on the outer surface of said second layer.

2,152,622

VARIABLE RATIO POWER TRANSMISSION

Otto E. Szekely, Baltimore, Md., assignor to The Szekely Company, Inc., a corporation of New York

Application November 19, 1932, Serial No. 643,451
31 Claims. (Cl. 74—293)



1. A transmission system comprising a driving shaft member, a coaxial driven shaft member, a coaxial third member revoluble relative to said shaft members, gear teeth on said driven shaft and third members, a gear mounted on said driving shaft member and meshing with said gear teeth of both said other members; a first fluid displacing means including a first portion rotatable with said driving shaft member and a second portion rotatable with said third member; a second fluid displacing means including a first portion rotatable with said driving shaft member and a second portion rotatable with said driven shaft member, means for supplying fluid to said fluid displacing means, a common fluid outlet from said fluid displacing means, and a valve for controlling said outlet.

DESIGNS

MARCH 28, 1939

113,959

DESIGN FOR A FINGER RING

Waldemar Ayres, New York, N. Y.

Application January 20, 1939, Serial No. 82,476
Term of patent 3½ years



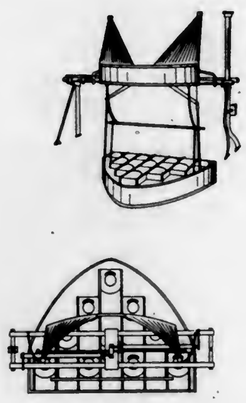
The ornamental design for a finger ring, substantially as shown.

113,960

DESIGN FOR A BOWLING ALLEY PIN SETTER

Faber Birren, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware

Application April 10, 1936, Serial No. 62,051
Term of patent 7 years



The ornamental design for a bowling alley pin setter, as shown.

113,961

DESIGN FOR A VENDING MACHINE CABINET

Lawrence Blazey, Cleveland, Ohio, assignor to Rowe Manufacturing Co., Inc., Belleville, N. J., a corporation of New Jersey

Application January 31, 1939, Serial No. 82,693
Term of patent 3½ years



The ornamental design for a vending machine cabinet, as shown.

113,962

DESIGN FOR A RING

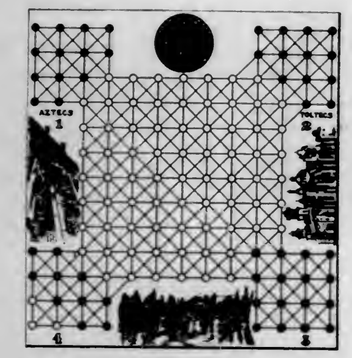
John Brophy, New York, N. Y.

Application December 12, 1938, Serial No. 81,719
Term of patent 7 years



The ornamental design for a ring, substantially as shown and described.

113,963
DESIGN FOR A CHECKER BOARD
Charles Henry Brown, Breckenridge, Tex.
Application December 20, 1938, Serial No. 81,903
Term of patent 7 years



The ornamental design for a checker board, as shown.

113,964
DESIGN FOR AN OVERSHOE
Bates B. Craver, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 14, 1939, Serial No. 82,360
Term of patent 3½ years



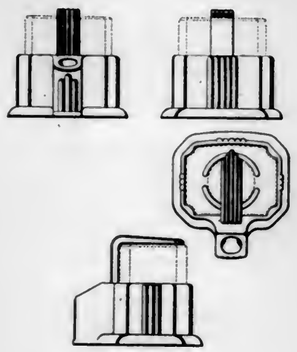
The ornamental design for an overshoe, as shown.

113,965
DESIGN FOR A DOLL
Mayme Irene Faulkner, Fort Smith, Ark.
Application November 26, 1938, Serial No. 81,390
Term of patent 7 years



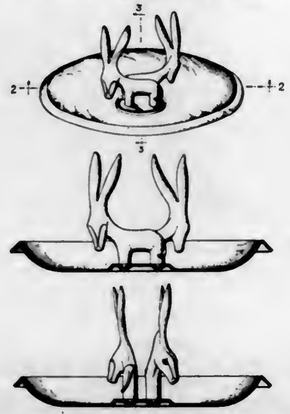
The ornamental design for a doll, as shown.

113,966
DESIGN FOR A COMBINATION DESK UNIT
Carey G. Gregory, Los Angeles, Calif.
Application December 9, 1938, Serial No. 81,688
Term of patent 14 years



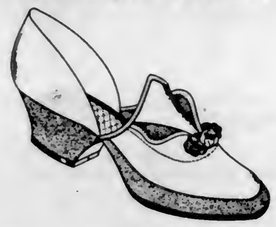
The ornamental design for a combination desk unit, as shown.

113,967
DESIGN FOR A COMBINED ASHTRAY, CIGARETTE SUPPORT, AND SNUBBER
Ray Rice Hutcheson, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application February 7, 1939, Serial No. 82,846
Term of patent 3½ years



The ornamental design for a combined ashtray, cigarette support, and snubber, as shown.

113,968
DESIGN FOR A SLIPPER
Rubin Kaminsky, New York, N. Y.
Application February 28, 1939, Serial No. 83,251
Term of patent 3½ years



The ornamental design for a slipper, substantially as shown.

113,969
DESIGN FOR A SLIPPER
Herman Karmiel, Holyoke, Mass.
Application February 11, 1939, Serial No. 82,928
Term of patent 3½ years



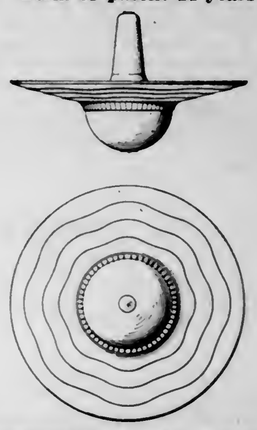
The ornamental design for a slipper, substantially as shown.

113,970
DESIGN FOR A SLIPPER
Herman Karmiel, Holyoke, Mass.
Application February 11, 1939, Serial No. 82,929
Term of patent 3½ years



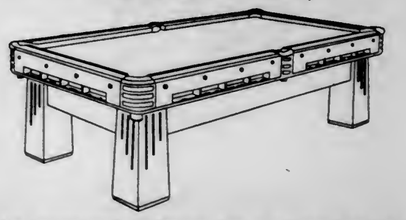
The ornamental design for a slipper, substantially as shown.

113,971
DESIGN FOR A LIGHTING FIXTURE
Edward B. Kirk, New York, N. Y., assignor to David Shapiro, New York, N. Y.
Application January 20, 1939, Serial No. 82,477
Term of patent 14 years



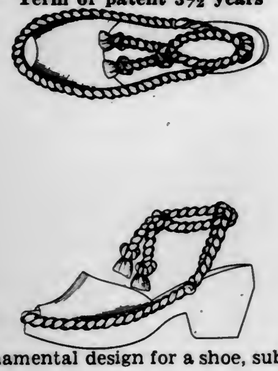
The ornamental design for a lighting fixture, substantially as shown.

113,972
DESIGN FOR A BILLIARD TABLE
William C. Lawson, Evanston, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application November 21, 1938, Serial No. 81,273
Term of patent 7 years



The ornamental design for a billiard table, as shown.

113,973
DESIGN FOR A SHOE
David Levin, New York, N. Y.
Application February 28, 1939, Serial No. 83,252
Term of patent 3½ years



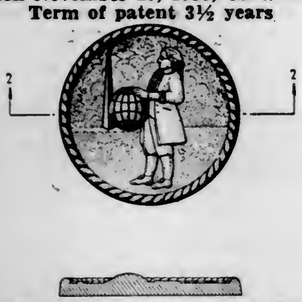
The ornamental design for a shoe, substantially as shown.

113,974
DESIGN FOR A BRACE TOP LINK
Daniel T. Manning, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 12, 1938, Serial No. 81,746
Term of patent 3½ years



The ornamental design for a brace top link, as shown.

113,975
DESIGN FOR A MEDALLION OR THE LIKE
Samuel Meisel, New York, N. Y.
Application November 19, 1938, Serial No. 81,240
Term of patent 3½ years



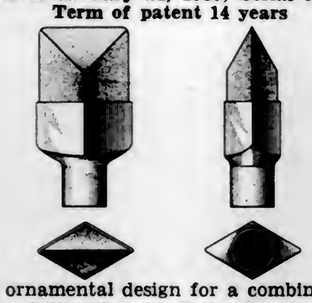
The ornamental design for a medallion or the like, substantially as shown.

113,976
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Murray Planco, New York, N. Y.
Application February 27, 1939, Serial No. 83,229
Term of patent 3½ years



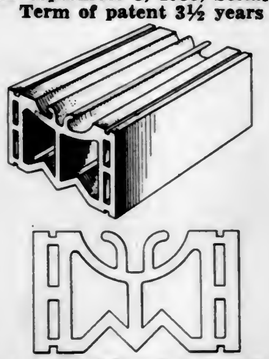
The ornamental design for a shoe or similar article, substantially as shown.

113,977
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
David B. Shannon, Allendale, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application January 21, 1939, Serial No. 82,501
Term of patent 14 years



The ornamental design for a combined eraser and pencil tip, substantially as shown.

113,978
DESIGN FOR A BUILDING BLOCK
Alfred H. Stamm and Harry S. Barton, Peoria, Ill.
Application September 3, 1938, Serial No. 79,735
Term of patent 3½ years



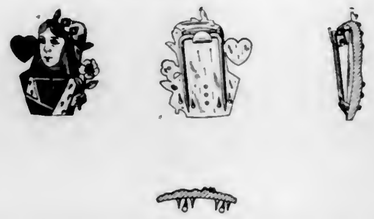
The ornamental design for a building block, as shown.

113,979
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Jeanne Toussaint, Paris, France, assignor to Cartier, Societe Anonyme, Paris, France, a company of France
Application May 25, 1938, Serial No. 77,381
In France December 22, 1937
Term of patent 3½ years



The ornamental design for a clip or similar article, as shown.

113,980
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Jeanne Toussaint, Paris, France, assignor to Cartier, Societe Anonyme, Paris, France, a company of France
Application May 25, 1938, Serial No. 77,382
In France December 22, 1937
Term of patent 3½ years



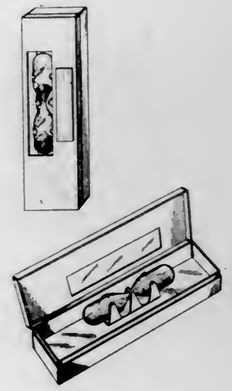
The ornamental design for a clip or similar article, as shown.

113,981
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Jeanne Toussaint, Paris, France, assignor to Cartier, Societe Anonyme, Paris, France, a company of France
Application May 25, 1938, Serial No. 77,383
In France December 29, 1937
Term of patent 3½ years



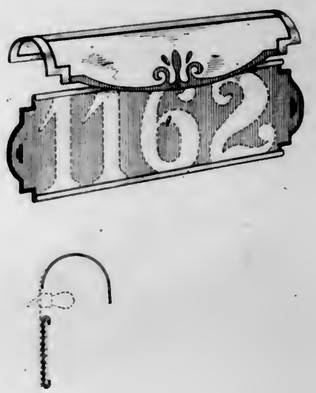
The ornamental design for a clip or similar article, as shown.

113,982
DESIGN FOR A COMBINED SANDGLASS TIMER AND CASE
Jacob M. Weiss, Brooklyn, N. Y.
Application April 2, 1938, Serial No. 76,251
Term of patent 7 years



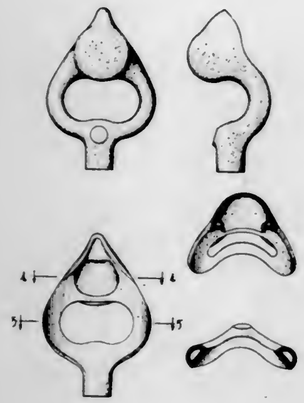
The ornamental design for a combined sandglass timer and case, substantially as shown and described.

113,983
DESIGN FOR A COMBINED HOUSE NUMBER ILLUMINATOR AND PLATE
Milton Wishny and Frank C. Gray, Los Angeles, Calif.
Application August 29, 1938, Serial No. 79,612
Term of patent 3½ years



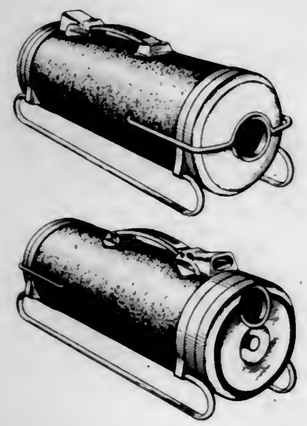
The ornamental design for a combined house number illuminator and plate, as shown.

113,984
DESIGN FOR AN INHALATION MASK
Walter M. Boothby, Arthur H. Bulbulian, and William R. Lovelace, Rochester, Minn.
Application September 6, 1938, Serial No. 79,760
Term of patent 14 years



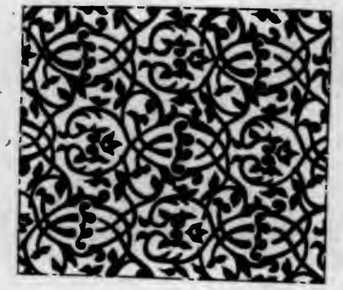
The ornamental design for an inhalation mask, substantially as shown.

113,985
DESIGN FOR A VACUUM CLEANER
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 19, 1939, Serial No. 82,440
In Czechoslovakia November 19, 1938
Term of patent 14 years



The ornamental design for a vacuum cleaner, as shown.

113,986
DESIGN FOR A TEXTILE FABRIC
Ralph Flatow, New York, N. Y.
Application February 18, 1939, Serial No. 83,080
Term of patent 3½ years



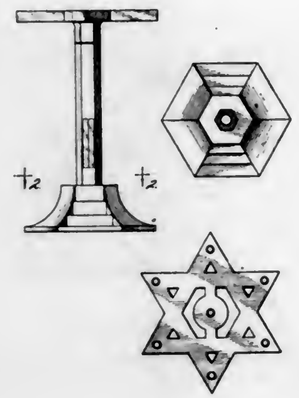
The ornamental design for a textile fabric, substantially as shown.

113,987
DESIGN FOR A COMFORTABLE
Lawrence Goodstein, New York, N. Y.
Application February 20, 1939, Serial No. 83,129
Term of patent 3½ years



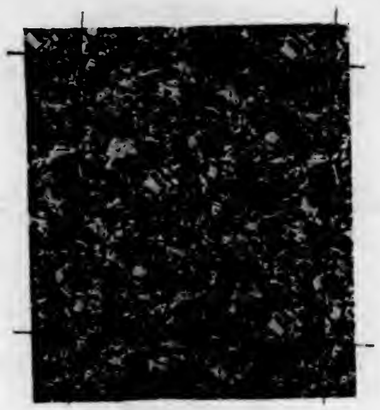
The ornamental design for a comfortable, substantially as shown and described.

113,988
DESIGN FOR A LAMP
Abraham Hassen and Maley Meyers, Chicago, Ill.
Application November 8, 1937, Serial No. 72,672
Term of patent 3½ years



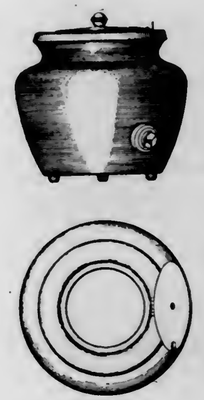
The ornamental design for a lamp, as shown.

113,989
DESIGN FOR A TEXTILE FABRIC
Jack Horowitz, New York, N. Y.
Application February 20, 1939, Serial No. 83,125
Term of patent 3½ years



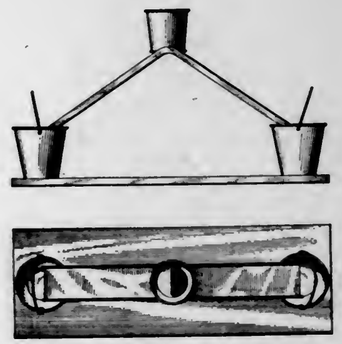
The ornamental design for a textile fabric, substantially as shown and described.

113,990
DESIGN FOR AN ELECTRICALLY OPERATED BEAN HEATER
Herman E. Lacy, Chicago, Ill.
Application June 27, 1938, Serial No. 78,096
Term of patent 14 years



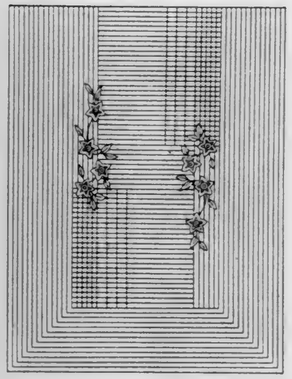
The ornamental design for an electrically operated bean heater, as shown and described.

113,991
DESIGN FOR A TOY OR SIMILAR ARTICLE
Grace La Forge, Stapleton, N. Y.
Application January 10, 1938, Serial No. 74,178
Term of patent 7 years



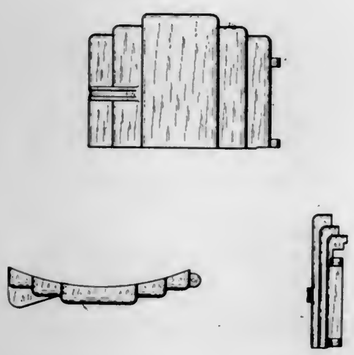
The ornamental design for a toy or similar article, substantially as shown and described.

113,992
DESIGN FOR A BEDSPREAD
Harriette A. Lawson, Signal Mountain, Tenn.
Application February 20, 1939, Serial No. 83,119
Term of patent 3½ years



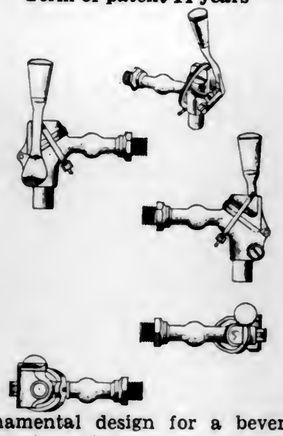
The ornamental design for a bedspread, substantially as shown.

113,993
DESIGN FOR A DOOR FOR A DOMESTIC WATER HEATER OR THE LIKE
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application May 26, 1938, Serial No. 77,400
Term of patent 7 years



The ornamental design for a door for a domestic water heater or the like, as shown.

113,994
DESIGN FOR A BEVERAGE DISPENSING FAUCET
Frederick C. Picut, Newark, N. J.
Application October 1, 1938, Serial No. 80,174
Term of patent 14 years



The ornamental design for a beverage dispensing faucet, as shown.

113,995
DESIGN FOR A COMPACT
George Rosenberg, New Rochelle, N. Y.
Application January 27, 1939, Serial No. 82,635
Term of patent 14 years



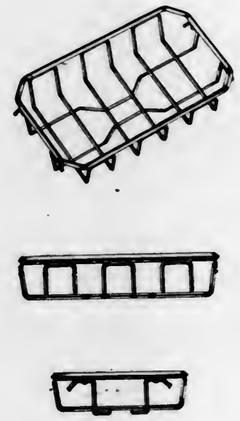
The ornamental design for a compact, substantially as shown.

113,996
DESIGN FOR A COMPACT
George Rosenberg, New Rochelle, N. Y.
Application January 27, 1939, Serial No. 82,636
Term of patent 14 years



The ornamental design for a compact, substantially as shown.

113,997
DESIGN FOR A SOAP DISH OR SIMILAR ARTICLE
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application January 26, 1939, Serial No. 82,614
Term of patent 7 years



The ornamental design for a soap dish or similar article, substantially as shown.

113,998
DESIGN FOR A COMBINATION STOVE AND LAMP
Jesse Oliver Steele, Lund, Utah
Application June 16, 1938, Serial No. 77,892
Term of patent 14 years



The ornamental design for a combination stove and lamp, as shown and described.

113,999
DESIGN FOR A VENDING MACHINE CASING OR THE LIKE
Louis Steiner, New York, N. Y.
Application December 27, 1938, Serial No. 82,004
Term of patent 3½ years



The ornamental design for a vending machine casing or the like, as shown.

114,000
DESIGN FOR A VENDING MACHINE CASING OR THE LIKE
Louis Steiner, New York, N. Y.
Application December 29, 1938, Serial No. 82,040
Term of patent 3½ years



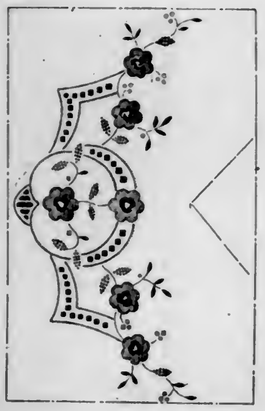
The ornamental design for a vending machine casing or the like, as shown.

114,001
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Hans Tobler, Teaneck, N. J.
Application November 15, 1938, Serial No. 81,118
Term of patent 3½ years



The ornamental design for an embroidered textile fabric, substantially as shown.

114,002
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Hans Tobler, Teaneck, N. J.
Application November 15, 1938, Serial No. 81,119
Term of patent 3½ years



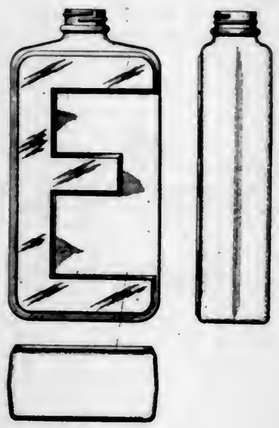
The ornamental design for an embroidered textile fabric, substantially as shown.

114,003
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Hans Tobler, Teaneck, N. J.
Application November 15, 1938, Serial No. 81,120
Term of patent 3½ years



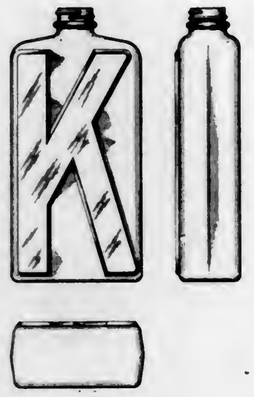
The ornamental design for an embroidered textile fabric, substantially as shown.

114,004
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,931
Term of patent 14 years



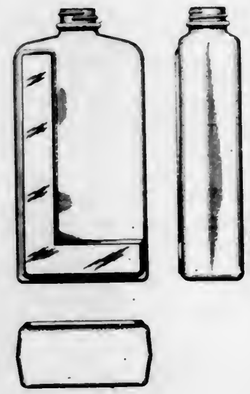
The ornamental design for a bottle, as shown and described.

114,005
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,935
Term of patent 14 years



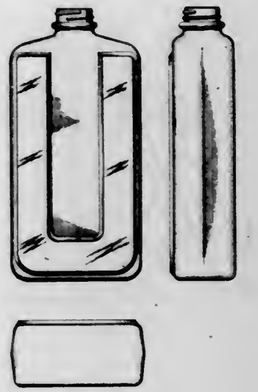
The ornamental design for a bottle, as shown and described.

114,006
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,936
Term of patent 14 years



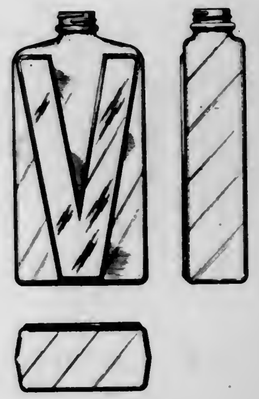
The ornamental design for a bottle, as shown and described.

114,007
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,939
Term of patent 14 years



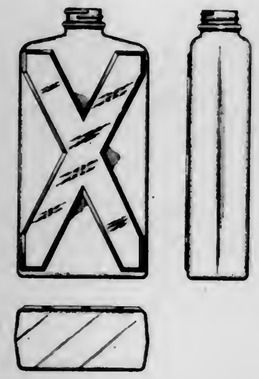
The ornamental design for a bottle, as shown and described.

114,008
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,940
Term of patent 14 years



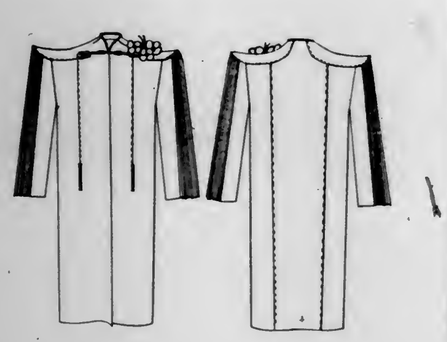
The ornamental design for a bottle, as shown and described.

114,009
DESIGN FOR A BOTTLE
Royden A. Blunt, Baltimore, Md.
Application November 7, 1938, Serial No. 80,941
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

114,010
DESIGN FOR A COAT
Moe Bauman, New York, N. Y.
Application February 9, 1939, Serial No. 82,885
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

114,011
DESIGN FOR A MILK BOTTLE
Arthur Bramhall, Livingston, N. J.
Application May 3, 1938, Serial No. 76,960
Term of patent 7 years



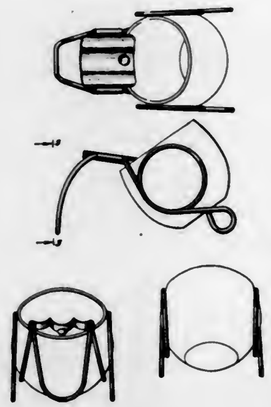
The ornamental design for a milk bottle, as shown.

114,012
DESIGN FOR A VEHICLE DOOR HANDLE
Lake E. Clinker, Toledo, Ohio
Application July 27, 1938, Serial No. 78,782
Term of patent 3½ years



The ornamental design for a vehicle door handle, as shown.

114,013
DESIGN FOR AN ASH RECEIVER
John D'Amaro, Brooklyn, N. Y., assignor to J. Bennett Inc., Brooklyn, N. Y., a corporation of New York
Application December 28, 1938, Serial No. 82,021
Term of patent 14 years



The ornamental design for an ash receiver, substantially as shown.

114,014
DESIGN FOR A GLOVE
Marjorie Dunton, New York, N. Y.
Application February 10, 1939, Serial No. 82,913
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

114,015
DESIGN FOR A CROSS
Horatio H. Farrington, Pearl River, N. Y.
Application January 9, 1939, Serial No. 82,261
Term of patent 14 years



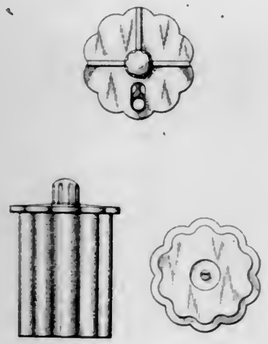
The ornamental design for a cross, as shown and described.

114,016
DESIGN FOR AN OVERALL ENSEMBLE
William Friedman, New York, N. Y.
Application February 21, 1939, Serial No. 83,138
Term of patent 3½ years



The ornamental design for an overall ensemble, substantially as shown.

114,017
DESIGN FOR A CIGARETTE DISPENSER
Jacob E. Gould, Detroit, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan
Application June 6, 1938, Serial No. 77,624
Term of patent 7 years



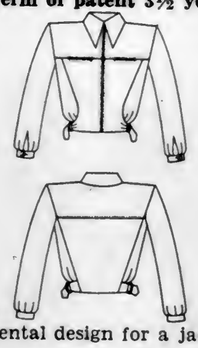
The ornamental design for a cigarette dispenser, substantially as shown and described.

114,018
DESIGN FOR A GARMENT SUPPORTER
Florence M. Griffith, Albany, N. Y.
Application February 15, 1939, Serial No. 83,009
Term of patent 7 years



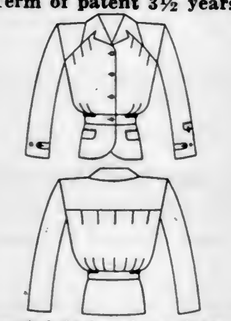
The ornamental design for a garment supporter, as shown.

114,019
DESIGN FOR A JACKET
Ruth Karplus, Jackson Heights, N. Y., assignor to Mavest Inc., New York, N. Y., a corporation of New York
Application August 15, 1938, Serial No. 79,335
Term of patent 3½ years



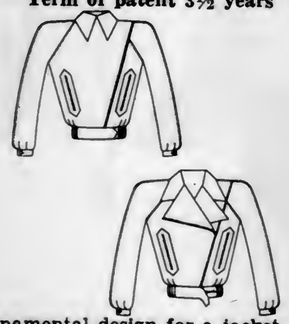
The ornamental design for a jacket, as shown.

114,020
DESIGN FOR A JACKET
Ruth Karplus, Jackson Heights, N. Y., assignor to Mavest Inc., New York, N. Y., a corporation of New York
Application August 15, 1938, Serial No. 79,336
Term of patent 3½ years



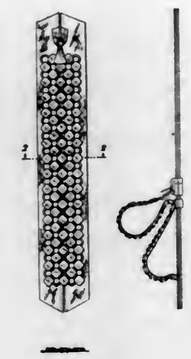
The ornamental design for a jacket, as shown.

114,021
DESIGN FOR A JACKET
Ruth Karplus, Jackson Heights, N. Y., assignor to Mavest Inc., New York, N. Y., a corporation of New York
Application August 15, 1938, Serial No. 79,337
Term of patent 3½ years



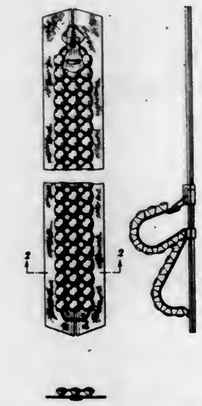
The ornamental design for a jacket, as shown and described.

114,022
DESIGN FOR A COMBINATION SLIDE FASTENER AND MESH COVER THEREFOR
Ralph Kay, New York, N. Y.
Application February 7, 1938, Serial No. 74,949
Term of patent 7 years



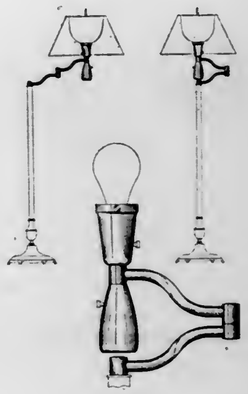
The ornamental design for a combination slide fastener and mesh cover therefor, substantially as shown and described.

114,023
DESIGN FOR A COMBINATION SLIDE FASTENER AND MESH COVER THEREFOR
Ralph Kay, New York, N. Y.
Application April 18, 1938, Serial No. 76,579
Term of patent 3½ years



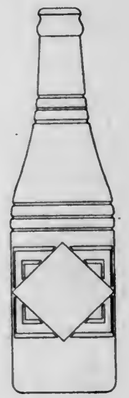
The ornamental design for a combination slide fastener and mesh cover therefor, substantially as shown and described.

114,024
DESIGN FOR AN ADJUSTABLE LAMP
Max E. Kraft, Cleveland, Ohio, assignor to Cuyahoga Furniture and Lamp Company
Application December 6, 1938, Serial No. 81,596
Term of patent 7 years



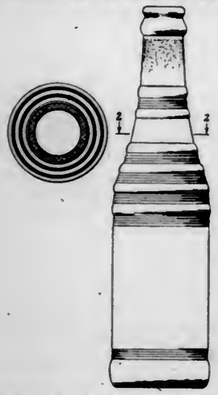
The ornamental design for an adjustable lamp, substantially as shown and described.

114,025
DESIGN FOR A BOTTLE
Leonard B. Krick, Chattanooga, Tenn., assignor to Seminole Flavor Company, Chattanooga, Tenn., a corporation of Tennessee
Application December 12, 1938, Serial No. 81,749
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

114,026
DESIGN FOR A BOTTLE
William J. Latchford, Jr., Los Angeles, Calif., assignor to Nesbitt Fruit Products, Inc., Los Angeles, Calif., a corporation of California
Application December 28, 1938, Serial No. 82,015
Term of patent 14 years



The ornamental design for a bottle, as shown.

114,027
DESIGN FOR A PIN-CLIP
Jacques H. Leff, New York, N. Y.
Application February 25, 1939, Serial No. 83,197
Term of patent 3½ years



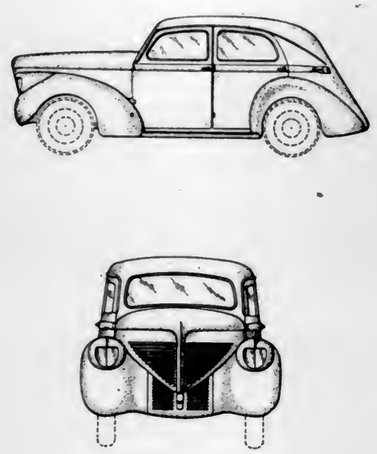
The ornamental design for a pin-clip, substantially as shown.

114,028
DESIGN FOR A PIN-CLIP
Jacques H. Leff, New York, N. Y.
Application February 25, 1939, Serial No. 83,198
Term of patent 3½ years



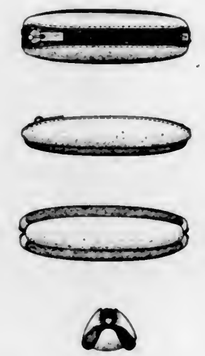
The ornamental design for a pin-clip, substantially as shown.

114,029
DESIGN FOR AN AUTOMOBILE
Harold E. Merillat, Ottawa Hills, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application September 8, 1938, Serial No. 79,792
Term of patent 7 years



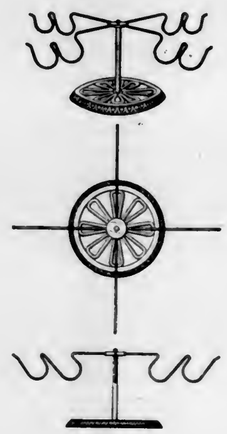
The ornamental design for an automobile, substantially as shown.

114,030
DESIGN FOR A CHANGE PURSE
Daniel J. Nash, New York, N. Y.
Application October 19, 1938, Serial No. 80,553
Term of patent 3½ years



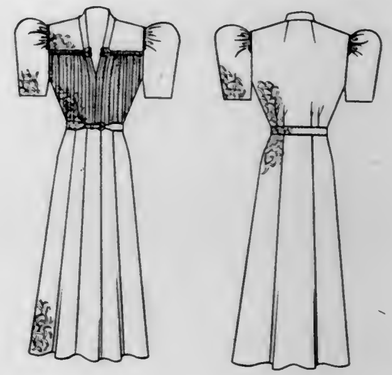
The ornamental design for a change purse, as shown.

114,031
DESIGN FOR A YARN REEL
John D. O'Neill and Alexander H. Sullivan, St. Louis, Mo., assignors, by direct and mesne assignments, of one-third to Gates A. Halfin, St. Louis, Mo., and two-thirds to said Sullivan
Application February 21, 1938, Serial No. 75,298
Term of patent 3½ years



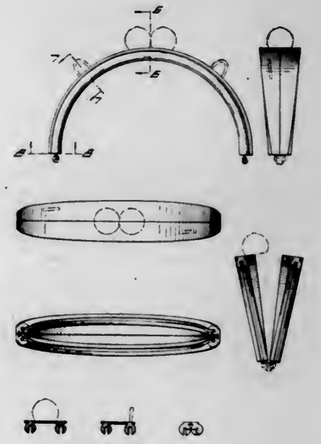
The ornamental design for a yarn reel, substantially as shown and described.

114,032
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application December 5, 1938, Serial No. 81,572
Term of patent 3½ years



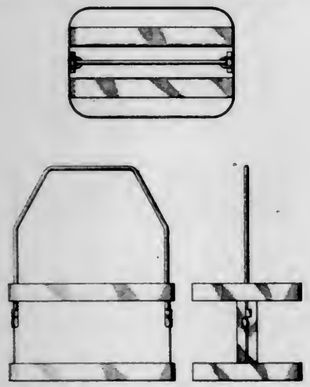
The ornamental design for a dress, substantially as shown.

114,033
DESIGN FOR A LADY'S HANDBAG FRAME
George Rosenberg, New Rochelle, N. Y.
Application January 31, 1939, Serial No. 82,691
Term of patent 7 years



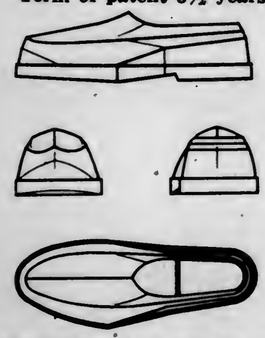
The ornamental design for a lady's handbag frame, substantially as shown and described.

114,034
DESIGN FOR A BOTTLE CARRIER
Donald K. Washburn, Huntington Park, Calif.
Application July 25, 1938, Serial No. 78,694
Term of patent 14 years



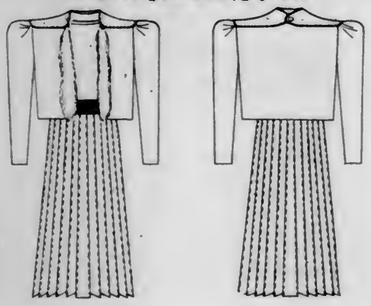
The ornamental design for a bottle carrier, as shown and described.

114,035
DESIGN FOR AN OVERSHOE
Hubert C. Watson, New York, N. Y.
Application August 12, 1938, Serial No. 79,296
Term of patent 3½ years



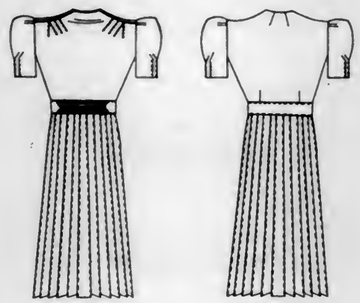
The ornamental design for an overshoe, as shown.

114,036
DESIGN FOR AN ENSEMBLE DRESS
Samuel Weill, New York, N. Y.
Application December 21, 1938, Serial No. 81,927
Term of patent 3½ years



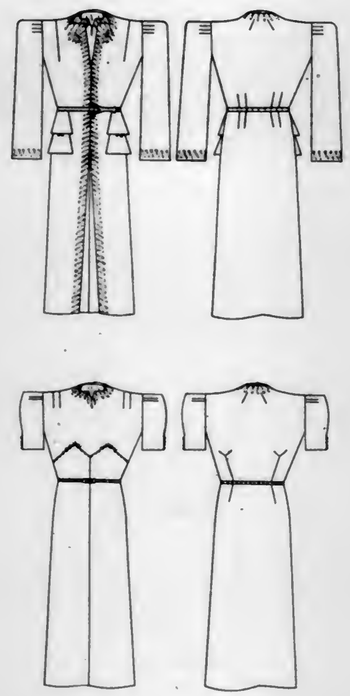
The ornamental design for an ensemble dress, substantially as shown and described.

114,036—Continued



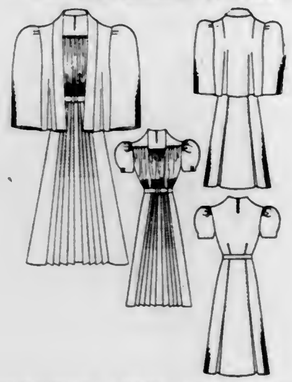
The ornamental design for an ensemble dress, substantially as shown and described.

114,037
DESIGN FOR AN ENSEMBLE DRESS
Samuel Weill, New York, N. Y.
Application December 21, 1938, Serial No. 81,928
Term of patent 3½ years



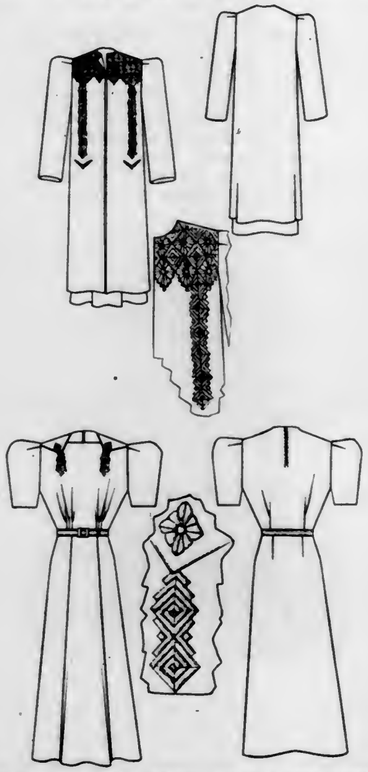
The ornamental design for an ensemble dress, substantially as shown and described.

114,038
DESIGN FOR A DRESS ENSEMBLE
George Constantine, Mattapan, Mass.
Application February 25, 1939, Serial No. 83,194
Term of patent 3½ years



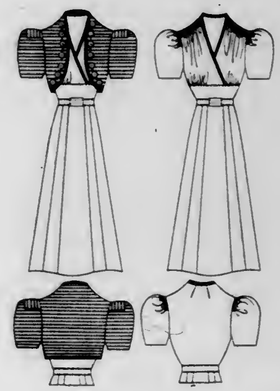
The ornamental design for a dress ensemble, substantially as shown.

114,039
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application January 16, 1939, Serial No. 82,363
Term of patent 3½ years



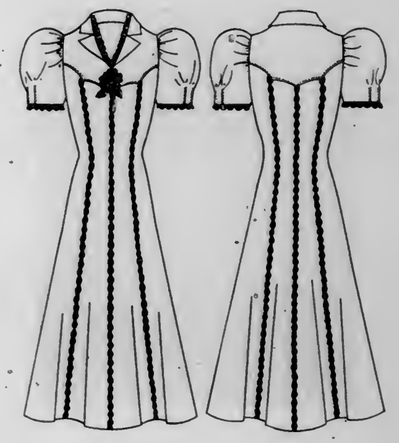
The ornamental design for a dress ensemble, substantially as shown and described.

114,040
DESIGN FOR A DRESS ENSEMBLE
Samuel E. Frontman, New York, N. Y.
Application February 24, 1939, Serial No. 83,171
Term of patent 3½ years



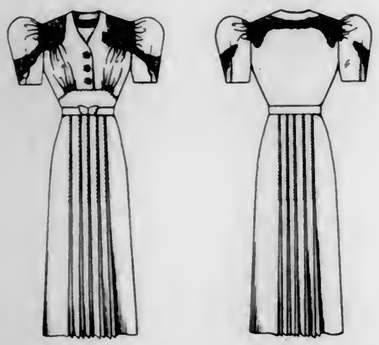
The ornamental design for a dress ensemble, substantially as shown and described.

114,041
DESIGN FOR A DRESS
Esther Jocell, New York, N. Y.
Application February 25, 1939, Serial No. 83,195
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,042
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,101
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,043
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application February 28, 1939, Serial No. 83,255
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

114,044
DESIGN FOR A DRESS ENSEMBLE
Anna H. Schwartz, New York, N. Y.
Application February 25, 1939, Serial No. 83,192
Term of patent 3½ years



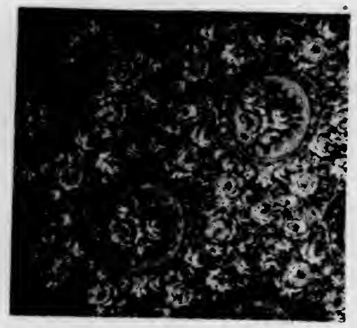
The ornamental design for a dress ensemble, substantially as shown.

114,045
DESIGN FOR A DRESS
David Schwartz, New York, N. Y.
Application February 27, 1939, Serial No. 83,213
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,046
DESIGN FOR TEXTILE FABRIC
Jules C. Shapiro, Pelham Manor, N. Y.
Application November 17, 1938, Serial No. 81,161
Term of patent 3½ years



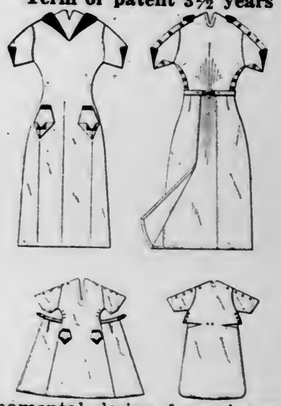
The ornamental design for textile fabric, as shown.

114,047
DESIGN FOR A TEXTILE FABRIC
Wesley Simpson, New York, N. Y.
Application January 13, 1939, Serial No. 82,324
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

114,048
DESIGN FOR A HOUSE DRESS
Evelyn W. Turner, Hollywood, Calif.
Application January 31, 1938, Serial No. 74,750
Term of patent 3½ years



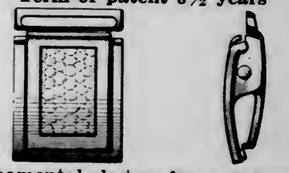
The ornamental design for a house dress, as shown and described.

114,049
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application October 26, 1938, Serial No. 80,679
Term of patent 3½ years



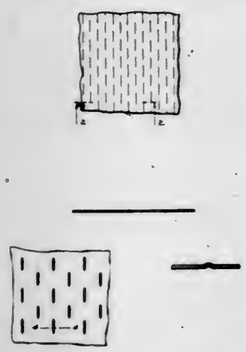
The ornamental design for a textile fabric or similar article, as shown and described.

114,050
DESIGN FOR A GARMENT CLASP
Harold C. Vaisey, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application December 16, 1938, Serial No. 81,821
Term of patent 3½ years



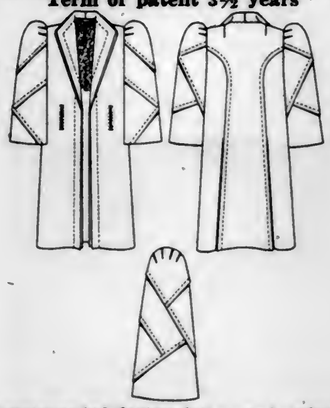
The ornamental design for a garment clasp, as shown.

114,051
DESIGN FOR LEATHER
Mabel Winkel, New York, N. Y.
Application September 3, 1938, Serial No. 79,737
Term of patent 3½ years



The ornamental design for leather, substantially as shown and described.

114,052
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application January 20, 1939, Serial No. 82,463
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

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[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ᵃ); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (ˢ).]

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2. 1907]

Albert, Lisa, doing business as L. Albert Co., New York, N. Y. Pad for a newly born infant. Serial No. 412,207; Apr. 4. Class 42.

American Stores Company, Philadelphia, Pa. Coffee. Serial No. 404,679; Apr. 4. Class 46.

Art-Mor Togs, Inc., New York, N. Y. Bathing suits and articles of beachwear. Serial No. 387,100; Apr. 4. Class 39.

Austenal Laboratories, Inc., New York, N. Y. Porcelain teeth, dentures and denture parts. Serial No. 409,637; Apr. 4. Class 44.

Atlas Supply Company, Newark, N. J. Storage battery testing apparatus. Serial No. 398,513; Apr. 4. Class 26.

Atlas Supply Company, Newark, N. J. Battery testers. Serial No. 414,388; Apr. 4. Class 26.

Automotive News Service, New York, N. Y. Publications. Serial No. 406,489; Apr. 4. Class 38.

Bastian-Morley Co., Inc., La Porte, Ind. Gas water heaters. Serial No. 414,943; Apr. 4. Class 34.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets. Serial No. 415,691; Apr. 4. Class 42.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets. Serial Nos. 415,695–6; Apr. 4. Class 42.

Beasley, J. W., & Co., Inc., Los Angeles, Calif. Fresh fruits and vegetables. Serial No. 415,102; Apr. 4. Class 46.

Behr-Manning Corporation, Troy, N. Y. Fabric treated with non-slipping material. Serial No. 414,429; Apr. 4. Class 50.

Bilotti, Antonio, Clifton Heights, Pa. Hair tonic. Serial No. 416,308; Apr. 4. Class 6.

Boot Mills, Lowell, Mass. Towels, toweling in piece, curtains, etc. Serial No. 415,630; Apr. 4. Class 42.

Borden Mfg. Co., The, Goldsboro, N. C. Yarns. Serial No. 414,546; Apr. 4. Class 43.

Bosco Company, New York, N. Y. Chocolate flavored syrup. Serial No. 415,540; Apr. 4. Class 46.

Brehmer, Gebruder, Leipzig-Plagwitz, Germany. Stitching, sewing, stamping, etc. machines for cardboard, leather, and like materials. Serial No. 410,680; Apr. 4. Class 23.

Brown, L. L., Paper Company, Adams, Mass. Writing papers. Serial No. 414,551; Apr. 4. Class 37.

Bullock's, Inc., Los Angeles, Calif. Hand soap and shaving cream. Serial No. 390,686; Apr. 4. Class 4.

Burroughs Adding Machine Company, Detroit, Mich. Inking ribbons. Serial No. 415,210; Apr. 4. Class 11.

Calbar Paint & Varnish Company, Philadelphia, Pa. Painters' and caulkers' tools. Serial No. 414,434; Apr. 4. Class 23.

Chattanooga Bakery. (See Mountain City Mill Co.)

Cherry-Burrell Corporation, Chicago, Ill. Cream, ice cream mix, milk, etc. Serial No. 412,942; Apr. 4. Class 23.

Chesapeake-Camp Corporation, Franklin, Va. Kraft paper. Serial No. 415,244; Apr. 4. Class 37.

Chicago Tobacco Co., Chicago, Ill. Pipe tobacco and cigarettes. Serial No. 413,434; Apr. 4. Class 17.

Cohen, S., & Sons, Baltimore, Md. Cloth coats, suits, skirts, etc. Serial No. 414,624; Apr. 4. Class 39.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. Serial No. 416,371; Apr. 4. Class 32.

Columbus Dental Manufacturing Co., Columbus, Ohio. Artificial teeth. Serial Nos. 413,219–20; Apr. 4. Class 44.

Comfort Manufacturing Company, Chicago, Ill. Hand cream. Serial No. 416,402; Apr. 4. Class 6.

Consolidated Textile Co., Inc., New York, N. Y. Cotton flannel piece goods. Serial No. 413,930; Apr. 4. Class 42.

Cornell-Lenz Company, San Leandro, Calif. Head supports for goggles. Serial No. 412,697; Apr. 4. Class 26.

Crown Zellerbach Corporation, doing business as National Paper Products Company, San Francisco, Calif. Toilet tissue. Serial No. 408,457; Apr. 4. Class 37.

Crown Zellerbach Corporation, San Francisco, Calif. Wrapping paper. Serial No. 414,054; Apr. 4. Class 37.

Dailuaine–Talisker Distilleries Limited, Carron, Scotland. Whisky. Serial No. 416,285; Apr. 4. Class 49.

Daniels, Claude H., East Portchester, Conn. Arch supports, foot supports, cushions, and pads for shoes. Serial No. 402,815; Apr. 4. Class 44.

D'Aquila, Patrick J., Jersey City, N. J. Potatoes. Serial No. 414,864; Apr. 4. Class 46.

De Pinna, A., Co., Inc., New York, N. Y. Dresses and blouses. Serial No. 415,471; Apr. 4. Class 39.

Destileria Tropical, Arecibo, P. R. Rum. Serial No. 415,638; Apr. 4. Class 49.

Divelbiss, Edw. H., Hotchkiss, Colo. Fresh deciduous fruits. Serial No. 414,823; Apr. 4. Class 46.

Dodge, H. B., and Company, Chicago, Ill. Venetian blinds. Serial No. 416,458; Apr. 4. Class 32.

Eastside Distributing Co. (See Los Angeles Brewing Co.)

East Side Winery, Lodi, Calif. Wines. Serial No. 414,946; Apr. 4. Class 47.

Edison, Thomas A., Incorporated, West Orange, N. J. Electric lighting outfits. Serial No. 414,985; Apr. 4. Class 21.

Edison, Thomas A., Incorporated, West Orange, N. J. Electric lighting outfits. Serail No. 414,987; Apr. 4. Class 21.

Edmond, Queen Marie's Beautician, Inc., New York, N. Y. Face creams, shampoos. Serial No. 414,026; Apr. 4. Class 6.

Epstein, Max, doing business as Kolonade Beverage Co., Richmond Hill, N. Y. Maltless beverages, and sirups and extracts for same. Serial No. 415,588; Apr. 4. Class 45.

Faber, A. W., Inc., doing business as Johann Faber, Newark, N. J. Lead, crayon, ink, and mechanical pencils. Serial No. 413,902; Apr. 4. Class 37.

Fairy Silk Mills, Shillington, Pa. Tricot and milanese fabrics in the piece. Serial No. 413,009; Apr. 4. Class 42.

Famous Products Co. (See Neumann, Morton G.)

Firestone Tire & Rubber Company, The, Akron, Ohio. Tires. Serial Nos. 416,411–14; Apr. 4. Class 35.

Fisher Bros. Paper Co., Inc., Fort Wayne, Ind. Matches. Serial No. 414,872; Apr. 4. Class 9.

Fizdale, Tom, Inc., Chicago, Ill. Syndicated column. Serial No. 410,730; Apr. 4. Class 38.

Floral City Furniture Company, Inc., doing business as La-Z-Boy Chair Company, Monroe, Mich. Chairs and ottomans. Serial No. 416,460; Apr. 4. Class 32.

Foote & Jenks, Inc., Jackson, Mich. Maltless beverage and sirup and extract for same. Serial No. 415,543; Apr. 4. Class 45.

Franke & Heidecke Fabrik Photographischer Präzisionsapparate, Brunswick, Germany. Lighting apparatus for photographic purposes, objectives, lenses, etc. Serial No. 402,968; Apr. 4. Class 26.

Furst, Alex, Peoria, Ill. Cheese. Serial No. 404,436; Apr. 4. Class 46.

Gemological Institute of America, Los Angeles, Calif. Illuminating apparatus for disclosing defects of precious stones. Serial No. 410,056; Apr. 4. Class 26.

General Brewing Corporation, San Francisco, Calif. Beer and ale. Serial No. 415,079; Apr. 4. Class 48.

General Brewing Corporation, San Francisco, Calif. Beer. Serial No. 415,080; Apr. 4. Class 48.

General Chemical Company, New York, N. Y. Reagent chemicals. Serial Nos. 414,293–4; Apr. 4. Class 6.

Gera Mills. (See New Jersey Worsted Mills.)

Gittleman, Benjamin, doing business as Lincoln Lace and Braid Company and Thompson Chemical Company, Cranston, R. I. Self shine liquid floor wax, furniture polish, etc. Serial No. 398,041; Apr. 4. Class 16.

Glassite Company, The. (See Thomsen, Grover C.)

Good Humor Corporation of America, Brooklyn, N. Y. Frozen confections. Serial No. 411,352; Apr. 4. Class 46.

Gould's, Inc., Minneapolis, Minn. Women's fur coats, jackets, scarfs, etc. Serial No. 381,391; Apr. 4. Class 39.

Graham Paper Company, St. Louis, Mo. Boxed paper for printing and writing. Serial No. 415,117; Apr. 4. Class 37.

Grossman, I., & Son, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 415,476; Apr. 4. Class 39.

Hackney's Sea Food Products, Inc., Atlantic City, N. J. Canned foods. Serial No. 413,123; Apr. 4. Class 46.

Haire Publishing Company, New York, N. Y. Periodical. Serial No. 415,714; Apr. 4. Class 38.

Halpern, J., Company, Pittsburgh, Pa. Fireworks. Serial No. 414,994; Apr. 4. Class 9.

Hammes, John W., doing business as In-Sink-Erator Company, Racine, Wis. Kitchen garbage cutters. Serial No. 413,344; Apr. 4. Class 21.

Harlingen Canning Company, Harlingen, Tex. Canned vegetables. Serial No. 412,296; Apr. 4. Class 46.

Hendryx, Andrew B., Company, The, New Haven, Conn. Bird cages. Serial No. 414,996; Apr. 4. Class 2.

Holter, A. M., Hardware Co., Helena, Mont. Fishing tackle and trout flies. Serial No. 415,650; Apr. 4. Class 22.

Huyler's, New York, N. Y. Candy. Serial No. 407,948; Apr. 4. Class 46.

Irene. (See Reddy, Florence I.)

In-Sink-Erator Company. (See Hammes, John W.)

Interchemical Corporation, New York, N. Y. Compound for drying printing ink. Serial No. 413,788; Apr. 4. Class 11.

International Radio Corporation, Ann Arbor, Mich. Photographic chemicals. Serial No. 413,870; Apr. 4. Class 6.
Italian Swiss Colony, San Francisco, Calif. Wines. Serial No. 414,193; Apr. 4. Class 47.
Italian Swiss Colony, San Francisco, Calif. Brandy. Serial Nos. 416,464–5; Apr. 4. Class 49.
Kaffer, E. L., doing business as Q Company, Joliet, Ill. Macaroni. Serial No. 415,845; Apr. 4. Class 46.
Kensington, Incorporated, New Kensington, Pa. Ink stands, pen and ink stands, desk sets, etc. Serial No. 374,195; Apr. 4. Class 37.
Kilgore Mfg. Company, The, Westerville, Ohio. Nail file receptacles, tumblers, plates, etc. Serial No. 407,866; Apr. 4. Class 2.
Kolonade Beverage Co. (See Epstein, Max.)
Korona Drug Co. (See Reyes, Joseph A.)
Lactona, Incorporated, St. Paul, Minn. Devices for oral hygiene. Serial No. 415,044; Apr. 4. Class 29.
Landers, John C., doing business as Tropical Showers Company, Tampa, Fla. Cooling solution. Serial No. 416,379; Apr. 4. Class 6.
Langley's, Inc., New York, N. Y. Men's outer shirts. Serial No. 415,221; Apr. 4. Class 39.
Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Toilet creams. Serial No. 412,413; Apr. 4. Class 6.
La-Z-Boy Chair Company. (See Floral City Furniture Company, Inc.)
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Topcoats and overcoats. Serial No. 401,938; Apr. 4. Class 39.
Linco Products Corporation, Chicago, Ill. Cleanser. Serial No. 414,356; Apr. 4. Class 4.
Lincoln Lace and Braid Company. (See Gittleman, Benjamin.)
Litsch, George M., Mahanoy City, Pa. Ointments, lotions, and dusting powders. Serial No. 416,328; Apr. 4. Class 6.
Los Angeles Brewing Co., doing business as Eastside Distributing Co., Los Angeles, Calif. Beer. Serial No. 412,263; Apr. 4. Class 48.
Lucerne Cream and Butter Company, The, doing business as Lucerne Cream and Butter Co., Vernon, Calif. Ice cream and sherbet. Serial No. 415,657; Apr. 4. Class 46.
Mahala Brothers, Gary, Ind. Cleaning compound. Serial No. 408,067; Apr. 4. Class 4.
Markesan Canning Co., The, Markesan, Wis. Canned peas. Serial Nos. 415,785–6; Apr. 4. Class 46.
Mayer, Oscar, & Company, Chicago, Ill. Meats and meat products. Serial No. 408,351; Apr. 4. Class 46.
Mayer, Oscar, & Company, Chicago, Ill. Bacon, meat loaf, liver loaf, etc. Serial No. 411,787; Apr. 4. Class 46.
McMullen-Leavens Company, Inc., New York, N. Y. Ladies' blouses, shorts, sports dresses, etc. Serial No. 415,170; Apr. 4. Class 39.
Medomak Canning Company, Rockland, Maine. Canned squash, pumpkin, and mince-meat. Serial No. 402,483; Apr. 4. Class 46.
Mid City Wholesale Grocers, Cicero, Ill. Dog food. Serial No. 415,050; Apr. 4. Class 46.
Miller & Hollis, Inc., Boston, Mass. Chocolates. Serial No. 415,173; Apr. 4. Class 46.
Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Pipe tobacco. Serial No. 413,139; Apr. 4. Class 17.
Mountain City Mill Co., doing business as Chattanooga Bakery, Chattanooga, Tenn. Oyster crackers. Serial No. 401,502; Apr. 4. Class 46.
Myers, R. A., & Company, St. Paul, Minn. Floor wax. Serial No. 406,027; Apr. 4. Class 16.
Nation Wide Papers, Inc., Chicago, Ill. Writing and printing paper. Serial No. 399,314; Apr. 4. Class 37.
National Biscuit Company, New York, N. Y. Bakery products. Serial No. 415,605; Apr. 4. Class 46.
National Die Casting Sales Corp., Chicago, Ill. Fruit juice extractors. Serial No. 402,196; Apr. 4. Class 23.
National Filter Corporation, New York, N. Y. Filter mass. Serial No. 416,332; Apr. 4. Class 31.
National Paper Products Company. (See Crown Zellerbach Corporation.)
Neumann, Morton G., doing business as Famous Products Co., Chicago, Ill. Perfume, vanishing cream, lemon cleansing cream, etc. Serial No. 416,356; Apr. 4. Class 6.
New Jersey Worsted Mills, doing business as Gera Mills, Garfield and Passaic, N. J. Woolen goods in the piece. Serial No. 407,321; Apr. 4. Class 42.
Nore, Ethel Lea, Inc., New York and Brooklyn, N. Y. Cosmetics. Serial No. 409,279; Apr. 4. Class 6.
Oberman & Company, Jefferson City, Mo. Outer shirts, pants, and jackets. Serial No. 388,365; Apr. 4. Class 39.
Oil Well Manufacturing Corporation, Los Angeles, Calif. Steel rotary hose, rotary hose couplings, etc. Serial Nos. 414,234–5; Apr. 4. Class 13.
Okonite Company, The, Passaic, N. J. Insulated wires and cables. Serial No. 415,607; Apr. 4. Class 21.
Pacific Union Association of Seventh Day Adventists, The, Glendale, Calif. Scripts for a series of broadcasts. Serial No. 411,704; Apr. 4. Class 38.
Parodi Cigar Company of New York, Inc., Scranton, Pa. Smoking tobacco. Serial No. 414,408; Apr. 4. Class 17.
Peck, Stow & Wilcox Company, The, Southington, Conn. Braces, bits, snips, pliers, etc. Serial No. 396,830; Apr. 4. Class 23.
Peltzman, Morris, Company, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 414,754; Apr. 4. Class 39.
Pennell, Frank W., New York, N. Y. Periodicals. Serial No. 415,737; Apr. 4. Class 38.
Philadelphia Quartz Company, Philadelphia, Pa. Adhesive. Serial No. 415,348; Apr. 4. Class 5.
Philadelphia Storage Battery Company, Philadelphia, Pa. Radio tubes and sockets. Serial No. 414,468; Apr. 4. Class 21.
Pinner, Henry McR., doing business as Pinner & Co., Suffolk, Va. Watermelons. Serial No. 409,653; Apr. 4. Class 46.
Plee-Zing, Inc., Chicago, Ill. Washing and cleaning preparation. Serial No. 414,160; Apr. 4. Class 4.
Prospect Mills Corp., Cambridge, Mass. Leather substitutes. Serial No. 415,610; Apr. 4. Class 50.
Q Company. (See Kaffer, E. L.)
Reddy, Florence I., doing business as Irene, Cleveland, Ohio. Hand and skin lotion. Serial No. 416,478; Apr. 4. Class 6.
Reyes, Joseph A., doing business as Korona Drug Co., Stockton, Calif. Penetrating ointment. Serial No. 412,667; Apr. 4. Class 6.
Richardson, Lloyd E., doing business as Sun-Spot Products Co., St. Joseph, Mo. Barbecue sauce, horseradish, spices, etc. Serial No. 413,738; Apr. 4. Class 46.
Rimington Publishing Co., Inc., New York, N. Y. Periodical. Serial No. 415,260; Apr. 4. Class 38.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs. Serial No. 402,072; Apr. 4. Class 36.
Rogers, William R., Everett, Mass. Sodium acetate. Serial No. 413,143; Apr. 4. Class 6.
Roman, Paul, New York, N. Y. Portable electrical control device. Serial No. 414,002; Apr. 4. Class 21.
Rubber Specialties Company, Inc., Plymouth Meeting, Pa. Golf balls. Serial No. 416,295; Apr. 4. Class 22.
Rumby, Philadelphia, Pa. Bay rum. Serial No. 416,266; Apr. 4. Class 6.
Safeway Stores, Inc., Vernon and Oakand, Calif. Beverages and syrups and extracts for same. Serial No. 415,915; Apr. 4. Class 45.
Sandy Valley Grocery Company, Ashland, Ky. Baking soda. Serial No. 416,297; Apr. 4. Class 6.
Sandy Valley Grocery Company, Ashland, Ky. Coffee. Serial No. 416,298; Apr. 4. Class 46.
Schenley Distillers Corporation, New York, N. Y. Whiskey, gin, rum, etc. Serial No. 416,268; Apr. 4. Class 49.
estradiol-17-propionate. Serial No. 416,000; Apr. 4.
Schieffelin & Co., New York, N. Y. Preparation of Class 6.
Schieren, Chas. A., Company, New York, N. Y. Tobacco humidors, cigarettes and cigar boxes. Serial No. 414,116; Apr. 4. Class 8.
Schwartz, B., & Co., Philadelphia, Pa. Boys' lumber jackets, knickers, shorts, etc. Serial No. 414,755; Apr. 4. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Shoes for boys. Serial No. 415,190; Apr. 4. Class 39.
Scovill Manufacturing Company, Waterbury, Conn. Garden hose couplings. Serial Nos. 415,141–3; Apr. 4. Class 13.
Sebastian Sturat Fish Co., Seattle, Wash. Canned fish. Serial No. 410,931; Apr. 4. Class 46.
Sebastian Stuart Fish Co., Seattle, Wash. Canned tuna fish. Serial No. 413,841; Apr. 4. Class 46.
"Sel-Mor" Garment Co. Inc., St. Louis, Mo. Lingerie. Serial No. 414,580; Apr. 4 Class 39.
Shaw, D. Minard, New York, N. Y. Forms in various sizes for blocking sweaters, etc. Serial No. 413,321; Apr. 4. Class 50.
Shoe Form Co., Inc., Auburn, N. Y. Fish bait. Serial No. 415,743; Apr. 4. Class 22.
Shoe Form Co., Inc., Auburn, N. Y. Fish bait. Serial No. 415,746; Apr. 4. Class 22.
Shoe Form Co., Inc., Auburn, N. Y. Fish bait. Serial No. 416,344; Apr. 4. Class 22.
Sherwin-Williams Co., The, Cleveland, Ohio. Preparation used for preparing surfaces for refinishing. Serial No. 414,512; Apr. 4. Class 16.
Solo Products Company, Chicago, Ill. Canned and dried mushrooms. Serial No. 415,023; Apr. 4. Class 46.
Southern Kraft Corporation, New York, N. Y. M. G. tissue and wrapping paper. Serial No. 370,898; Apr. 4. Class 37.
Southern Kraft Corporation, New York, N. Y. M. G. tissue and wrapping paper. Serial No. 370,900; Apr. 4. Class 37.
Southern Kraft Corporation, New York, N. Y. Wrapping paper and kraft paper. Serial No. 370,901; Apr. 4. Class 37.
Standard Brands Incorporated, New York, N. Y. Coffee. Serial No. 404,820; Apr. 4. Class 46.
Standard Oil Development Company, Linden, N. J. Rubber substitute. Serial No. 414,903; Apr. 4. Class 1.
Stewart-Warner Corporation, Chicago, Ill. Speedometers. Serial No. 399,484; Apr. 4. Class 26.

Stevenson's Moygashel Linens, Limited, New York, N. Y. Linen piece goods. Serial No. 415,269; Apr. 4. Class 42.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. Serial No. 414,671; Apr. 4. Class 37.
Sudox Chemical Company, Inc., Louisville, Ky. Compound for use in dry cleaning purposes. Serial No. 415,562; Apr. 4. Class 4.
Sun-Spot Products Co. (See Richardson, Lloyd E.)
Swedish Produce Company, The, Chicago, Ill. Canned fish balls, canned sardines, etc. Serial No. 409,660; Apr. 4. Class 46.
Swiss Fabric Group, New York, N. Y. Textile fabrics in the piece. Serial No. 414,970; Apr. 4. Class 42.
Thomsen, Grover C., doing business as The Glassite Company, Waco, Tex. Beverages and syrups for preparation thereof. Serial No. 415,807; Apr. 4. Class 45.
Thompson Chemical Company. (See Gittleman, Benjamin.)
Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing scales. Serial No. 408,975; Apr. 4. Class 26.
Toga Press Inc., The, Washington, D. C. Magazine. Serial No. 415,271; Apr. 4. Class 38.
Transportation Guides, Inc., New York, N. Y. Periodical publication. Serial No. 415,563; Apr. 4. Class 38.
Trafico Parking Meter Co., Miami, Fla. Parking meters. Serial No. 414,582; Apr. 4. Class 26.
Tropical Showers Company. (See Landers, John C.)
United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. Serial No. 403,740; Apr. 4. Class 22.
United States Rubber Products, Inc., assignor to United States Rubber Company, New York, N. Y. Sheathed electrical cable. Serial No. 404,669; Apr. 4. Class 21.
United Wire & Supply Corporation, Cranston, R. I. Metal tubing. Serial No. 406,107; Apr. 4. Class 13.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemical. Serial No. 416,272; Apr. 4. Class 6.
Vernon, S. E., & M., Inc., New York, N. Y. Composition books, loose leaf fillers, and binders. Serial No. 415,615; Apr. 4. Class 37.
Vibroplex Company, The, Inc., New York, N. Y. Telegraphic sending machines. Serial No. 415,275; Apr. 4. Class 21.
Walker, H. O., Phoenix, Ariz. Game. Serial No. 412,989; Apr. 4. Class 22.
Wentworth & Irwin, Inc., Portland, Oreg. Automobile buses. Serial No. 415,020; Apr. 4. Class 19.
Westwood Pharmacal Corp., Buffalo, N. Y. Diuretic medicinal preparation. Serial No. 416,127; Apr. 4. Class 6.
Western Cataphote Corporation, Toledo, Ohio. Mechanical signs and parts therefor. Serial No. 411,924; Apr. 4. Class 50.
Western Shade Cloth Co., The, Chicago, Ill. Window shades and rollers. Serial No. 416,274; Apr. 4. Class 32.
Western Shade Cloth Co., The, Chicago, Ill. Window shades and rollers. Serial No. 416,277; Apr. 4. Class 32.
Wing, Sam A., Company, The, Dallas, Tex. Venetian blinds. Serial No. 415,466; Apr. 4. Class 32.
Weston, Duncan, & Company Limited, London, England. Whisky. Serial No. 413,526; Apr. 4. Class 49.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Benches, desks, chests, etc. Serial No. 415,017; Apr. 4. Class 32.
Wilson, Kirke R., Buffalo, N. Y. Gas space heaters. Serial No. 413,964; Apr. 4. Class 34.
Yarick, Floyd D., Detroit, Mich. Stokers. Serial No. 415,432; Apr. 4. Class 34.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Vitamin K preparations. 366,212; Apr. 4; Serial No. 411,931; published Jan. 17, 1939. Class 6.
Abbott Laboratories, North Chicago, Ill. Preparation of nicotinic acid. 366,245; Apr. 4; Serial No. 413,092; published Jan. 24, 1939. Class 6.
Ad-Ver-Tis-Er, Inc., The, Fort Wayne, Ind. Outdoor advertising posters, panels and billboards. 366,301; Apr. 4. Class 50.
Aeroshade Co., The, Waukesha, Wis. Shades. 366,258; Apr. 4; Serial No. 413,291; published Jan. 24, 1939. Class 32.
Algiers Canning Co. Inc., New Orleans, La. Canned shrimp. 366,259; Apr. 4; Serial No. 413,292; published Jan. 24, 1939. Class 46.
Allen Granite Company, Elberton, Ga. Granite. 366,213; Apr. 4; Serial No. 411,933; published Jan. 24, 1939. Class 1.
American Bowling and Billiard Corp., New York, N. Y. Ball stop on the top rail at the bowler's end of a bowling alley. 366,278; Apr. 4; Serial No. 413,613; published Jan. 24, 1939. Class 22.
American Dispenser Company. (See Felnson, M. B.)
American Sheet & Tin Plate Company, Pittsburgh, Pa., now by merger to Carnegie-Illinois Steel Corporation. Metals and metal castings and forgings. 126,125; renewed July 29, 1939.
An-Fo Manufacturing Co. (See Rosefield, John B.)
Arco Company, The, Cleveland, Ohio. Ready mixed paints and varnishes. 124,361; renewed Feb. 11, 1939.
Aristopharm, Ltd., Basel, Switzerland. Fever producing vaccine. 366,276; Apr. 4; Serial No. 413,507; published Jan. 24, 1939. Class 6.
Arkansas Company, Inc., New York, N. Y. Compound for processing textile fabrics and leather. 366,233; Apr. 4; Serial No. 412,847; published Jan. 24, 1939. Class 6.
Asco Chemical Company. (See Schaffhauser, Anton.)
Atlantic Refining Company, The, Philadelphia, Pa. Oils and greases. 124,920–1; renewed Mar. 25, 1939.
Autotyre Company, Incorporated, The, Oakville, Conn. Corkscrews and bottle openers. 366,246; Apr. 4; Serial No. 413,096; published Jan. 24, 1939. Class 23.
Balthaser, Floyd J., Alhambra, Calif. Race horse game board. 366,239; Apr. 4; Serial No. 412,996; published Jan. 24, 1939. Class 22.
Barash, Joseph, New York, N. Y. Composition belting. 366,215; Apr. 4; Serial No. 411,984; published Jan. 24, 1939. Class 50.
Belli, D. B., Inc., San Francisco, Calif. Medicinal elixir 366,201; Apr. 4; Serial No. 411,398; published Jan. 17, 1939. Class 6.
Bender & Hamburger, Inc., New York, N. Y. Dresses 366,306; Apr. 4. Class 39.
Bendix Home Appliances, Inc., South Bend, Ind. Washing machines. 366,289; Apr. 4. Class 24.
Benz, George, Sons, Inc., St. Paul, Minn. Dhiskey. 366,184; Apr. 4; Serial No. 408,593; published Jan. 24, 1939. Class 49.
Bestov Products, Inc., New York, N. Y. Razor blades. 366,179; Apr. 4; Serial No. 405,054; published Jan. 24, 1939. Class 23.
Blackburn Products Co., The, Dayton, Ohio. Tonic. 126,246–7; renewed Aug. 19, 1939.
Booth Fisheries Co., assignor to Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 126,252–3; renewed Aug. 19, 1939.
Borden Company, The. (See Dry Milk Company, The, assignor.)
Bratton, Alvin A., Columbus, Ohio. Articles appearing in bulletins or lessons issued from time to time. 125,969; renewed July 22, 1939.
Budlong Pickle Co., Chicago, Ill. Pickles and vegetable relishes. 366,299; Apr. 4 Class 46.
Bussert, William J., Maywood, Ill. Preparation for use in prolonging life and beauty of cut flowers. 366,178; Apr. 4; Serial No. 403,752; published Jan. 17, 1939. Class 6.
C. C. M. Incorporated, Buffalo, N. Y. Bicycles and replacement parts. 366,220; Apr. 4; Serial No. 412,251; published Jan. 24, 1939. Class 19.
California Dry Food Co., Los Angeles, Calif. Vegetable broth powder. 366,181; Apr. 4; Serial No. 405,871; published Jan. 24, 1939. Class 46.
Capri Food Products, Inc., Brooklyn, N. Y. Egg spaghetti, egg noodles, ravioli, etc. 366,260; Apr. 4; Serial No. 413,332; published Jan. 24, 1939. Class 46.
Carnegie-Illinois Steel Corporation. (See American Sheet & Tin Plate Company.)
Castillan Products, Los Angeles, Calif. Nail wax, cuticle oil, oil nail polish remover, etc. 366,200; Apr. 4; Serial No. 411,369; published Jan. 17, 1939. Class 6.
Cavataio, Pietro, Estate of, doing business as Michigan Macaroni Mfg. Co., Detroit, Mich. Macaroni, spaghetti, and egg noodles. 366,309; Apr. 4. Class 46.
Chattanooga Bakery. (See Mountain City Mill Company.)
Chipman Knitting Mills, Easton, Pa. Hosiery. 126,400; renewed Aug. 26, 1939.
Clark Equipment Company, Buchanan, Mich. Industrial motor driven trucks. 366,295; Apr. 4. Class 19.
Clearfield Mills, Inc., Williamsport, Pa. Garments. 366,296; Apr. 4. Class 39.
Cleveland Cotton Products Company, The, Cleveland, Ohio. Beef clothing cloths, shrouds and piece goods. 366,290; Apr. 4. Class 42.
Collins, D. R., Limited, London, England. Perfumes, face powders, talcum powders, etc. 366,208; Apr. 4; Serial No. 411,857; published Jan. 24, 1939. Class 6.
Collins, J. R., Los Angeles, Calif. Preparation for treating corns. 366,274; Apr. 4; Serial No. 413,470; published Jan. 24, 1939. Class 6.
Colson Corporation, The, Elyria, Ohio. Bicycles. 366,229; Apr. 4; Serial No. 412,798; published Jan. 24, 1939. Class 19.
Colson Corporation, The, Elyria, Ohio. Bicycles. 366,230; Apr. 4; Serial No. 412,800; published Jan. 24, 1939. Class 19.
Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. 366,236; Apr. 4; Serial No. 412,904; published Jan. 24, 1939. Class 32.

Compound Products Corp., New York, N. Y. Anti-freeze preparation. 366,221–2; Apr. 4; Serial Nos. 412,290–1; published Jan. 17, 1939. Class 6.
Corning Glass Works, Corning, N. Y. Glass globes, chimneys, and roundels. 366,228; Apr. 4; Serial No. 412,755; published Jan. 24, 1939. Class 34.
Craftint Manufacturing Company, The, Cleveland, Ohio. Drawing paper. 366,163; Apr. 4; Serial No. 383,160; published Jan. 24, 1939. Class 37.
Cravenette Co., U. S. A., Hoboken, N. J. Waterproofed fabrics. 126,403; renewed Aug. 26, 1939.
Crescent Dental Mfg. Co., Chicago, Ill. Dental articulators. 366,307; Apr. 4. Class 44.
Cribben & Sexton Company, Chicago, Ill. Printers' mats, electrotypes, stereotypes, etc. 366,164; Apr. 4; Serial No. 387,435; published Feb. 8, 1938. Class 50.
Crown Zellerbach Corporation, doing business as Western Waxed Paper Company, San Francisco, Calif. Paper. 366,285; Apr. 4. Class 37.
Cutler-Hammer, Inc., Milwaukee, Wis. Electrical control apparatus, electrical machines, and electrical supplies. 366,253; Apr. 4; Serial No. 413,221; published Jan. 24, 1939. Class 21.
Cutter Manufacturing Company, Cambridge, Mass. Fire sets. 366,217; Apr. 4; Serial No. 412,026; published Jan. 24, 1939. Class 23.
Dean Bros. Bottling Co., Los Angeles, Calif. Beverages, and syrups and extracts for making the same. 366,304; Apr. 4. Class 45.
Del Giudice, A., & Son, Inc., Providence, R. I. Cemetery and public building memorials. 366,312; Apr. 4. Class 50.
Dietzgen, Eugene, Co., Chicago, Ill. Pigmentations material. 366,173; Apr. 4; Serial No. 401,211; published Jan. 24, 1939. Class 11.
Dry Milk Company, The, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Desiccated milk. 125,987; renewed July 22, 1939.
Durham Chemical Corporation, New York, N. Y. Insecticides. 366,251–2; Apr. 4; Serial Nos. 413,210–11; published Jan. 24, 1939. Class 6.
Durum Cereals Limited, Toronto, Ontario, Canada. Cereal breakfast foods. 366,298; Apr. 4. Class 46.
E-Z Mills, Inc. (See Otis Co., assignor.)
Eagle Knitting Mills, Philadelphia, Pa. Dresses, suits, blouses, etc. 366,286; Apr. 4. Class 39.
Electric Household Utilities Corporation, Chicago, Ill. Domestic clothes washing machines and wringers. 366,231; Apr. 4; Serial No. 412,805; published Jan. 17, 1939. Class 24.
Electro-Mite Corporation, Los Angeles, Calif. Clothes washing machines and parts therefor. 366,189; Apr. 4; Serial No. 409,393; published Jan. 17, 1939. Class 24.
Ellis, John R., Campbell, Calif. Preparation used for the alleviation of pain. 366,234; Apr. 4; Serial No. 412,854; published Jan. 24, 1939. Class 6.
Endo Products, Inc., New York, N. Y. Preparation used as a gargle. 366,261; Apr. 4; Serial No. 413,338; published Jan. 24, 1939. Class 6.
Erickson, Abner G. & Sons, Arcadia, Fla. Oranges and grapefruit. 366,275; Apr. 4; Serial No. 413,474; published Jan. 24, 1939. Class 46.
Erskine, James Lowe, Company, Incorporated, The, New York, N. Y. Shaving-brushes. 124,857; renewed Mar. 18, 1939.
Farr, Rogers N., Boston, Mass. Preparations to be used in the treatment of diseases and disorders of the stomach and intestines, etc. 366,262; Apr. 4; Serial No. 413,339; published Jan. 17, 1939. Class 6.
Feinson, Mac B., doing business as American Dispenser Company, New York, N. Y. Soap dispensers. 366,302; Apr. 4. Class 13.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 366,241; Apr. 4; Serial No. 413,040; published Jan. 24, 1939. Class 6.
Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Gin, whiskey, rum, etc. 366,267; Apr. 4; Serial No. 413,395; published Jan. 24, 1939. Class 49.
Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Whiskey, gin, rum, etc. 366,268; Apr. 4; Serial No. 413,398; published Jan. 24, 1939. Class 49.
Fink-Roselieve Co., Inc., New York, N. Y. Preparations and chemicals for developing photographic film. 366,193; Apr. 4; Serial No. 410,646; published Jan. 17, 1939. Class 6.
Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and chemicals. 366,232; Apr. 4; Serial No. 412,808; published Jan. 24, 1939. Class 6.
Fischer, J. P., Inc., New York, N. Y. Electrical apparatus for air conditioning the hair and scalp. 366,187; Apr. 4; Serial No. 408,918; published Jan. 24, 1939. Class 44.
Fresh-Pop't Popcorn Co. (See Silk, Fred J.)
Frigorifico Sirdar, Sociedad de Responsabilidad Limitada, Buenos Aires, Argentina. Beef, mutton and pork meat; etc. 366,185; Apr. 4; Serial No. 408,787; published Jan. 24, 1939. Class 46.
Grand Rapids Chair Company, Grand Rapids, Mich. Household furniture. 366,294; Apr. 4. Class 32.
Gravelle, Philip O., doing business as The Gravelle Laboratory, South Orange, N. J. Chemical solutions. 366,207; Apr. 4; Serial No. 411,739; published Jan. 17, 1939. Class 6.
Halgar, Inc., Chicago, Ill. Shampoo and oil treatment. 366,280; Apr. 4; Serial No. 413,670; published Jan. 24, 1939. Class 6.
Hausheer, W. E., doing business as The Tecor Co., Chicago, Ill. Pads impregnated with a cleansing preparation. 366,197; Apr. 4; Serial No. 411,163; published Dec. 13, 1938. Class 6.
Hawkins, Lutv, doing business as Hawkins Million Dollar Hen, Mount Vernon, Ill. Poultry. 366,169; Apr. 4; Serial No. 399,763; published Jan. 24, 1939. Class 46.
Henry, Donald A., New York, N. Y. Instruments for measuring constant electric loads. 366,247; Apr. 4; Serial No. 413,124; published Jan. 24, 1939. Class 26.
Hills Brothers Company, The, New York, N. Y. Cigarettes. 126,288; renewed Aug. 19, 1939.
Hinde & Dauch Paper Company, The, Sandusky, Ohio. Shipping containers. 366,310; Apr. 4. Class 2.
Hofmann, C. L., Corporation, Pittsburgh, Pa. Hearing aid devices. 366,204; Apr. 4; Serial No. 411,499; published Jan. 24, 1939. Class 44.
Hooper, Wm. E., & Sons Company, Baltimore, Md. Compounds intended to be applied as a coating to cotton, wool, etc. 366,227; Apr. 4; Serial No. 412,709; published Jan. 17, 1939. Class 6.
Horder's Incorporated, Chicago, Ill. Carbon paper. 366,162; Apr. 4; Serial No. 378,567; published Jan. 24, 1939. Class 11.
Houde Engineering Corporation, Buffalo, N. Y. Gear shift for automotive vehicles. 366,183; Apr. 4; Serial No. 407,809; published Jan. 24, 1939. Class 23.
Houghton, E. F., & Co., Philadelphia, Pa. Compound for use on top of hot steel after casting in molds. 366,205; Apr. 4; Serial No. 411,606; published Jan. 17, 1939. Class 6.
House of Whitney Ltd., New York, N. Y. Coats and suits. 366,288; Apr. 4. Class 39.
Imperial Hosiery Co., Pittsburgh, Pa. Ladies' hosiery. 366,311; Apr. 4. Class 39.
Io-Dow Chemical Company, Long Beach, Calif. Insecticidal compositions. 366,281; Apr. 4; Serial No. 413,713; published Jan. 24, 1939. Class 6.
Italian Drugs Importing Company, Inc., New York, N. Y. Tonic. 126,022; renewed July 22, 1939.
James Manufacturing Company, Fort Atkinson, Wis. Metal pipe fittings. 366,176; Apr. 4; Serial No. 402,616; published Jan. 24, 1939. Class 13.
Jenny, Ernest L., New York, N. Y. Pine oil for bath essence. 366,209; Apr. 4; Serial No. 411,870; published Jan. 17, 1939. Class 6.
Kora Kaye Co., The. (See Montville, Julian E.)
Kozdron, Sophia, doing business as The Sophia Kozdron Company, Garfield Heights, Ohio. Soothing and healing preparation for infections, cuts, etc. 366,198; Apr. 4; Serial No. 411,227; published Jan. 17, 1939. Class 6.
Lassere, Edward, New York, N. Y. Anodyne cream. 124,552; renewed Feb. 25, 1939.
Leitch, Arthur S., Company, Limited, Toronto, Ontario, Canada. Pumps. 366,192; Apr. 4; Serial No. 410,470; published Jan. 24, 1939. Class 23.
Liberty Laboratories Corporation, Boston, Mass. Insecticides. 366,174; Apr. 4; Serial No. 401,308; published Jan. 17, 1939. Class 6.
M-De-S Laboratory. (See Seibel, Richard M.)
Maggi Co., Inc., New York, N. Y. Foods and ingredients of foods. 366,165; Apr. 4; Serial No. 396,143; published Jan. 24, 1939. Class 46.
Mathers, Frank C., and Jacob Papish, assignors to F. C. Mathers, Bloomington, Ind. Coloring substances. 125,827; renewed July 17, 1939.
Mathieson Alkali Works (Inc.), The, New York, N. Y. Fused soda ash briquets. 366,166; Apr. 4; Serial No. 399,365; published Jan. 24, 1939. Class 6.
McGraw Electric Company, Chicago, Ill. Electric toasters. 366,211; Apr. 4; Serial No. 411,890; published Jan. 24, 1939. Class 21.
McLaughlin Gormley King Company, Minneapolis, Minn. Insecticides and concentrated extracts for use therein. 366,210; Apr. 4; Serial No. 411,876; published Jan. 24, 1939. Class 6.
Merrell, Wm. S., Company, The. (See Webb Laboratories, Inc., assignor.)
Miami Butterine Co., The, Cincinnati, Ohio. Oleomargarin. 126,315; renewed Aug. 19,1939.
Michigan Macaroni Mfg. Co. (See Cavatalo, Pietro, Estate of.)
Midland Flour Milling Company. (See Ottawa Milling Company, assignor.)
Minter, Martha P., doing business as Totus Mfg. Co., Philadelphia, Pa. Medicated greaseless ointment. 366,256; Apr. 4; Serial No. 413,273; published Jan. 24, 1939. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Phosphoric acids of various concentrations. 366,226; Apr. 4; Serial No. 412,654; published Jan. 24, 1939. Class 6.
Montville, Julian E., doing business as The Kora Kaye Co., Astoria, Long Island, N. Y. Shampoo. 366,202; Apr. 4; Serial No. 411,461; published Jan. 17, 1939. Class 6.
Moore and Janzen Cutlery Company, Shafter, Calif. Tin shears. 366,291; Apr. 4. Class 23.
Mountain City Mill Company, doing business as Chattanooga Bakery, Chattanooga, Tenn. Cookies. 366,170; Apr. 4; Serial No. 399,802; published Jan. 24, 1939. Class 46.

Muller, G. H. (See Thielen, Jean H.)
National Institute of Nutrition, Los Angeles, Calif. Vitamin concentrate. 366,190; Apr. 4; Serial No. 409,619; published Jan. 17, 1939. Class 6.
Nelson, Baker & Company, Detroit, Mich. Pharmaceutical preparations. 125,923; renewed July 8, 1939.
Northern Furniture Company, Sheboygan, Wis. Furniture. 126,327; renewed Aug. 19, 1939.
Northwestern Fruit Exchange, Seattle, assignor to Skookum Packers Association, Wenatchee, Wash. Fresh apples and pears. 124,866; renewed Mar. 18, 1939.
Oldetyme Distillers, Inc., New York, N. Y. Pouring spouts. 366,167–8; Apr. 4; Serial Nos. 399,510–11; published Jan. 24, 1939. Class 13.
Optikotechna společnost s r. o., Prerov, Czechoslovakia. Photographic enlarging apparatus. 366,272–3; Apr. 4; Serial Nos. 413,464–5; published Jan. 24, 1939. Class 26.
Osco Laboratory. (See Rebold, Rudolph.)
Oshkosh Trunks, Inc., Oshkosh, Wis. Trunks, hand luggage. 366,180; Apr. 4; Serial No. 405,220; published Jan. 24, 1939. Class 3.
Otis Co., Ware, Mass., assignor, by mesne assignments, to E-Z Mills, Inc., New York, N. Y. Underwear for men. 126,053; renewed July 22, 1939.
Ottawa Milling Company, Kansas City, Mo., and Ottawa, Kans., assignor to Midland Flour Milling Company, Kansas City, Mo. Wheat-flour. 126,331; renewed Aug. 19, 1939.
Papish, Jacob. (See Mathers, Frank C., and Jacob Papish.)
Paramount Apparel, Inc., New York, N. Y. Dresses, blouses, skirts, etc. 366,308; Apr. 4. Class 39.
Parfums Are-Jay, Inc., New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. 366,242; Apr. 4; Serial No. 413,049; published Jan. 24, 1939. Class 6.
Parfums Debay. (See Pinaud Incorporated.)
Park & Tilford Distillers, Inc., New York, N. Y. Whiskey. 366,303; Apr. 4. Class 49.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 366,269–71; Apr. 4; Serial Nos. 413,453–5; published Jan. 24, 1939. Class 22.
Parker, Susan O., Jacksonville, Fla. Insecticide. 366,196; Apr. 4; Serial No. 411,037; published Jan. 17, 1939. Class 6.
Pastene, P., & Co. Inc., Boston, Mass., to Pastene & Co. Inc., New York, N. Y., successor. Canned olive-oil and canned tomato sauce. 124,575, renewed Feb. 25, 1939.
Pendergast, T. J., Wholesale Liquor Co. Inc., Kansas City, Mo. Whiskey, gin, rum, etc. 366,282; Apr. 4; Serial No. 413,734; published Jan. 24, 1939. Class 49.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Caramel colors for use in wine. 366,238; Apr. 4; Serial No. 412,919; published Jan. 24, 1939. Class 47.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Dresses. 366,293; Apr. 4. Class 39.
Penslar Company, The, Detroit, Mich. Vaginal douche. 366,240; Apr. 4; Serial No. 413,028; published Jan. 24, 1939. Class 6.
Petrie's Inc., New York, N. Y. Coats for women and girls. 366,283; Apr. 4. Class 39.
Pillsbury Flour Mills Company, assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Flour. 126,336; renewed Aug. 19, 1939.
Pinaud Incorporated, doing business as Parfums Debay, New York, N. Y. Floral lilac, quinine hair tonic, talc, skin lotion, etc. 366,216; Apr. 4; Serial No. 412,005; published Jan. 17, 1939. Class 6.
Poythress, Wm. P., & Co. Inc., Richmond, Va. Drug. 366,255; Apr. 4; Serial No. 413,259; published Jan. 17, 1939. Class 6.
Raleigh Haberdasher, Inc., Washington, D. C. Ladies' and girls' coats and suits. 366,297; Apr. 4. Class 39.
Rebold, Rudolph, doing business as Osco Laboratory, New York, N. Y. Pharmaceutical preparations. 366,199; Apr. 4; Serial No. 411,247; published Jan. 17, 1939. Class 6.
Richardson, William, doing business as Simoon Fan & Blower Company, Atlanta, Ga. Electric window ventilators and blowers. 366,188; Apr. 4; Serial No. 409,108; published Jan. 24, 1939. Class 34.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonographs. 366,287; Apr. 4. Class 36.
Rosefield, John B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Insecticides. 366,172; Apr. 4; Serial No. 401,077; published Feb. 22, 1938. Class 6.
Rotary Lift Company, Memphis, Tenn. Elevators. 366,266; Apr. 4. Class 23.
Saginaw Manufacturing Co., Saginaw, Mich. Clothes drying racks. 366,195; Apr. 4; Serial No. 410,929; published Jan. 24, 1939. Class 24.
St. Louis Independent Packing Company. (See Stifel's, Otto F., Union Brewing Company, assignor.)
Schaffhauser, Anton, doing business as Asco Chemical Company, New York, N. Y. Shampoos and hair tonics. 366,244; Apr. 4; Serial No. 413,081; published Jan. 17, 1939. Class 6.
Schiff, Henry T., Chicago, Ill. Electric hair clippers. 366,214; Apr. 4; Serial No. 411,970; published Jan. 24, 1939. Class 23.
Schonfeld, Max, doing business as Max Schonfeld Company, Los Angeles, Calif. Glassware. 366,191; Apr. 4; Serial No. 410,049; published Jan. 24, 1939. Class 33.
Schweitzer, Louis, Baltimore, Md. Prophylactic rubber articles. 366,265; Apr. 4; Serial No. 413,379; published Jan. 24, 1939. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Dolls. 366,277; Apr. 4; Serial No. 413,565; published Jan. 24, 1939. Class 22.
Seibel, Richard M., also doing business as M-De-S Laboratory, Kansas City, Mo. Germicidal salve, medicinal hand lotion, and germicide solution. 366,243; Apr. 4; Serial No. 413,053; published Jan. 24, 1939. Class 6.
Sherwin-Williams Co., The, Cleveland, Ohio. Color mixing and measuring machine. 366,300; Apr. 4. Class 26.
Sichel, H., & Sons, Limited, London, England. Wine. 366,225; Apr. 4; Serial No. 412,614; published Jan. 24, 1939. Class 47.
Silk, Fred J., doing business as Fresh-Pop't Popcorn Co., Los Angeles, Calif. Canned popcorn (popped). 366,284; Apr. 4. Class 46.
Simoon Fan & Blower Company. (See Richardson, William.)
Skookum Packers Association. (See Northwestern Fruit Exchange, assignor.)
Societe Anonyme les Parfumeries de Gabilla, Paris, France. Perfumes, toilet water, face powder, etc. 366,224; Apr. 4; Serial No. 412,562; published Jan. 24, 1939. Class 6.
Spooner, Inc., New York, N. Y. Astringents, astringent cerates, etc. 366,177; Apr. 4; Serial No. 403,427; published Jan. 24, 1939. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Local anesthetics. 366,248; Apr. 4; Serial No. 413,158; published Jan. 24, 1939. Class 6.
Staley, A. E., Manufacturing Company, Decatur, Ill. Laundry starch. 366,206; Apr. 4; Serial No. 411,718; published Jan. 17, 1939. Class 6.
Stanley Laboratories, Incorporated, Portland, Oreg. Feminine hygiene product. 366,203; Apr. 4; Serial No. 411,471; published Jan. 17, 1939. Class 6.
Standard Candy Co., Nashville, Tenn. Candy. 126,353; renewed Aug. 19, 1939.
Stein, Hall & Co., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Dextrinous product. 125,316; renewed May 6, 1939.
Stifel's, Otto F., Union Brewing Company, assignor, by mesne assignments, to St. Louis Independent Packing Company, St. Louis, Mo. Oleomargarin. 126,358; renewed Aug. 19, 1939.
Stratford Magnesia Springs Compy., to Stratford Springs Corporation, Wheeling, W. Va., successor. Carbonated water. 124,942; renewed Mar. 25, 1939.
Taylor Freezer Corporation, Beloit, Wis. Counter freezers. 366,279; Apr. 4; Serial No. 413,655; published Jan. 24, 1939. Class 31.
Tecor Co., The. (See Hausheer, W. E.)
Terry, N. G., Opelousas, La. Peanuts. 366,263; Apr. 4; Serial No. 413,370; published Jan. 24, 1939. Class 46.
Thames Paper Company, L't'd., Purfleet, England, now by change of name Thames Board Mills Limited. Cardboard. 125,539; renewed May 20, 1939.
Thielen, Jean H., doing business as G. H. Muller, Epernay, France. Wines. 366,171; Apr. 4; Serial No. 399,907; published Jan. 24, 1939. Class 47.
Tilden Company, The, New Lebanon, N. Y. Medicinal preparation. 366,264; Apr. 4; Serial No. 413,371; published Jan. 24, 1939. Class 6.
Totus Mfg. Co. (See Minter, Martha P.)
Union Premier Food Stores, Inc., Philadelphia, Pa. Butter and eggs. 366,223; Apr. 4; Serial No. 412,314; published Jan. 24, 1939. Class 46.
United Brands Inc., Newark, N. J. Nail polish. 366,186; Apr. 4; Serial No. 408,816; published Jan. 17, 1939. Class 6.
United Drug Company, assignor to United Drug Company, Boston, Mass. Perfumery. 126,495; renewed Aug. 26, 1939.
Upjohn Company, The, Kalamazoo, Mich. Preparations for use as dietary supplements, pharmaceutical preparations, etc. 366,218–19; Apr. 4; Serial Nos. 412,239–40; published Jan. 24, 1939. Class 6.
Upjohn Company, The, Kalamazoo, Mich. Medicinal substance for calcium deficiency. 366,235; Apr. 4; Serial No. 412,882; published Jan. 24, 1939. Class 6.
Utica Steam & Mohawk Valley Cotton Mills, Utica, N. Y., now by change of name, to Utica & Mohawk Cotton Mills, Inc. Sheets, sheetings, pillow-cases, etc. 125,855; renewed June 17, 1939.
Verbeet, G., New York, N. Y. Smoked and salted fish. 366,250; Apr. 4; Serial No. 413,205; published Jan. 24, 1939. Class 46.
Vita Products, Inc., Zeeland, Mich. Dehydrated kelp tablets. 366,175; Apr. 4; Serial No. 402,105; published Oct. 25, 1938. Class 6.
Walgreen Co., Chicago, Ill. Base metal combination Dutch ovens, roasters, pans, and kettles. 366,292; Apr. 4. Class 13.

Warwick Chemical Company, West Warwick, R. I. Compounds for use in textile processing. 366,237; Apr. 4; Serial No. 412,990; published Jan. 17, 1939. Class 6.

Waterbury Clock Company, Waterbury, Conn. Fountain pens and mechanical pencils. 366,257; Apr. 4; Serial No. 413,285; published Jan. 24, 1939. Class 37.

Webb Laboratories, Inc., Schenectady, N. Y., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Flavored liquid preparation. 366,182; Apr. 4; Serial No. 406,360; published Aug. 16, 1938. Class 6.

Western Waxed Paper Company. (See Crown Zellerbach Corporation.)

Westphal, Paul, Incorporated, New York, N. Y. Hair tonic, dressing, and liquid dandruff remover preparation. 366,194; Apr. 4; Serial No. 410,712; published Jan. 17, 1939. Class 6.

Winthrop Chemical Company, Inc., New York, N. Y. Purgative and vermifuge. 366,249; Apr. 4; Serial No. 413,168; published Jan. 24, 1939. Class 6.

Wooster Brush Company, The, Wooster, Ohio. Paint and varnish brushes. 366,305; Apr. 4. Class 29.

Wurlitzer, Rudolph, Company, The, De Kalb, Ill. Strings for musical instruments. 366,254; Apr. 4, 1939. Serial No. 413,258; published Jan. 24, 1939. Class 36.

Young, Frank C., New Haven, Conn. Liniment. 125,860; Renewed June 17, 1939.

LIST OF REGISTRANTS OF LABELS

Allen, Mark W., & Co., doing business as Mark Allen & Company, Detroit, Mich. Breath Taking! Kontol—Two Purpose Tooth Paste. For Tooth-Paste. 52,730; Apr. 4.

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Coat. For Coats. 52,731; Apr. 4.

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Pants. For Pants. 52,732; Apr. 4.

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Vest. For Vests. 52,733; Apr. 4.

Blue Earth Canning Company, Blue Earth, Minn. Petit-Point. For Canned Peas. 52,734; Apr. 4.

Bubbies Soap Products. (See Klein, Jacob.)

Burton-Dixie Corporation, doing business as Burton-Dixie, Chicago, Ill. Hi-Lo Studio Couch. For Studio Couches. 52,735; Apr. 4.

Carbon, Fred S., doing business as F. S. Carbon Co., Buchanan, Mich. The Leader. For Pancake Flour. 52,736; Apr. 4.

Carbon, Fred S., doing business as F. S. Carbon Co., Buchanan, Mich. The Leader. For Buckwheat Pancake Flour. 52,737; Apr. 4.

Daily Vitamins, Inc., Cincinnati, Ohio. Daily Vitamins. For Soluble Gelatin Capsules Containing Vitamins. 52,738; Apr. 4.

General Mills, Inc., Minneapolis, Minn. Sperry Farina. For Farina. 52,739; Apr. 4.

Glex Corporation, Wheaton, Ill. Glex Cough Squares. For a Palliative Demulcent for Coughers, Singers, Smokers, and Talkers. 52,740; Apr. 4.

Grand Rapids Furniture Exposition Association, doing business as Grand Rapids Furniture Exposition, Grand Rapids, Mich. Specially Selected. For Furniture. 52,741; Apr. 4.

Herrmann, J. A., doing business as Hot Diggitty Products, Chicago, Ill. Hot Diggitty. For a Barbacue Table Extract. 52,742; Apr. 4.

Hinkson, R. S., & Son, Detroit, Mich. Christmas Tree Spray Paint. For Christmas Tree Spray Paint. 52,743; Apr. 4.

Hot Diggitty Products. (See Herrmann, John A.)

House of Johnson, The. (See Johnson, Jay C.)

Johnson, Jay C., doing business as The House of Johnson, Baltimore, Md. Toilo Cloth. For Toilet and Wash Cloths. 52,744; Apr. 4.

King Arthur Cigar Factory, New Orleans, La. Great State Cigar, Made by King Arthur Cigar Fact'y. For Cigars. 52,745; Apr. 4.

Klein, Jacob, doing business as Bubbles Soap Products, Newark, N. J. Bubbles Soap Flakes. For Soap Flakes. 52,746; Apr. 4.

Peerless Paper Specialty, Inc., Brattleboro, Vt., and Philadelphia, Pa. Blue Flash Photographic Gelatine. For Photographic Gelatine. 52,747; Apr. 4.

Reinfeld, Joseph H., Inc., Newark, N. J. Falcon Black Label. For Blended Whiskey. 52,748; Apr. 4.

Reinfeld, Joseph H., Inc., Newark, N. J. Charwood. For Straight Rye Whiskey. 52,749; Apr. 4.

Scoleri, Salvatore, Cincinnati, Ohio. Scotti's Italian Sauce. For Italian Sauce. 52,750; Apr. 4.

Shiver Cake Corporation of America, Alameda, Calif. Shiver. For Frozen Confections. 52,751; Apr. 4.

Tru-Blu Bottlers, Charleston, S. C. Budapest Brand. For Beer. 52,752; Apr. 4.

Waller, Mary A., Daytona, Fla. Palmetto Grove. For Citrus Fruit. 52,753; Apr. 4.

Ward Baking Company, New York, N. Y. Ward's Wheat Heart Bread. For Bread. 52,754; Apr. 4.

LIST OF REGISTRANTS OF PRINTS

Doho Chemical Corporation, The, New York, N. Y. In Canker Auralgan. For a Medication for Ear Complications. 17,302; Apr. 4.

Hills Bros., San Francisco, Calif. A Good Anvil Does Not Fear the Hammer. For Coffee. 17,303; Apr. 4.

Hills Bros., San Francisco, Calif. A Good Drum Does Not Need Hard Striking. For Coffee. 17,304; Apr. 4.

Hills Bros., San Francisco, Calif. An Empty Wagon Makes the Most Noise. For Coffee. 17,305; Apr. 4.

Hills Bros., San Francisco, Calif. And Every Body Talks About Her Coffee. For Coffee. 17,306; Apr. 4.

Hills Bros., San Francisco, Calif. And Lots of Women Envy Her Fine Coffee. For Coffee. 17,307; Apr. 4.

Hills Bros., San Francisco, Calif. And She Takes Pride in Making Coffee. For Coffee. 17,308; Apr. 4.

Hills Bros., San Francisco, Calif. And Those Hands Are Skilled in Making Coffee. For Coffee. 17,309; Apr. 4.

Hills Bros., San Francisco, Calif. And What's More She's an Expert Coffee Maker. For Coffee. 17,310; Apr. 4.

Hills Bros., San Francisco, Calif. And 'Wonderful' Describes the Coffee She Makes. For Coffee. 17,311; Apr. 4.

Hills Bros., San Francisco, Calif. The Boxer's Fist Must Keep To Its Task. For Coffee. 17,312; Apr. 4.

Hills Bros., San Francisco, Calif. Don't Miss This Feature In – – – April Good Housekeeping 1938. For Coffee. 17,313; Apr. 4.

Hills Bros., San Francisco, Calif. Every Woman Loves a Compliment. For Coffee. 17,314; Apr. 4.

Hills Bros., San Francisco, Calif. Good Coffee Wins Praise Every Day. For Coffee. 17,315; Apr. 4.

Hills Bros., San Francisco, Calif. The Horse Is Not Judged of by the Saddle. For Coffee. 17,316; Apr. 4.

Hills Bros., San Francisco, Calif. If You Run After Two Hares You Will Catch Neither. For Coffee. 17,317; Apr. 4.

Household Fuel Division of Blue Coal Corporation, Hartford, Conn. Blue Coal Heating Gauge. For Coal. 17,318; Apr. 4.

Keasbey & Mattison Company, Ambler, Pa. "Century" Asbestos Waltile. For Asbestos Tiles. 17,319; Apr. 4.

Premier-Pabst Sales Co., Peoria Heights, Ill. Andeker a Word About a Fine Beer. For Beer. 17,320; Apr. 4.

Ralston Purina Company, St. Louis, Mo. Good—Isn't It, Pal? (Horse Poster). For Horse Food. 17,321; Apr. 4.

Ralston Purina Company, St. Louis, Mo. Rebuild Your Dry Cows (Dairy Poster). For Dairy Feed. 17,322; Apr. 4.

Ralston Purina Company, St. Louis, Mo. New Startena Containing Puri-Flav Vitamin G (Flavin) Ingredient for Extra Growth. . . Stronger Chicks! (Chick Brooder Top Display). For Chick Feed. 17,323; Apr. 4.

Scheftels and Simson Company, Milwaukee, Wis. Trend The New Bow Tie. For Bow Ties. 17,324; Apr. 4.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Arch Binder. For Arch Binders. 17,325; Apr. 4.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Solvex. For a Liquid Preparation and an Ointment for Relieving "Athlete's Foot" and Itching Toes. 17,326; Apr. 4.

Scholl Mfg. Co. Inc., The, Chicago, Ill. Dr. Scholl's Lastik Metatarsal Pad. For Metatarsal Pads for Relieving Callouses, Pains, and Cramps at Ball of Foot. 17,327; Apr. 4.

Skinner, Lloyd M., doing business as Skinner Manufacturing Company, Omaha, Nebr. Cereal and Fruit—(Case Poster). For Breakfast Cereal. 17,328; Apr. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Granite. Allen Granite Company. 366,213; Apr. 4; Serial No. 411,933; published Jan. 24, 1939.

CLASS 2

Containers, Shipping. Hinde & Dauch Paper Company. 366,310; Apr. 4.

CLASS 3

Trunks, hand luggage. Oshkosh Trunks, Inc. 366,180; Apr. 4; Serial No. 405,220; published Jan. 24, 1939.

CLASS 6

Acids of various concentrates, Phosphoric. Monsanto Chemical Company. 366,226; Apr. 4; Serial No. 412,654; published Jan. 24, 1939.

Anesthetics, Local. E. R. Squibb & Sons. 366,248; Apr. 4; Serial No. 413,158; published Jan. 24, 1939.

Anti-freeze preparation. Compound Products Corp. 366,221–2; Apr. 4; Serial Nos. 412,290–1; published Jan. 17, 1939.

Astringents, astringent cerates, beauty and bleach creams, etc. Parfums Are-Jay, Inc. 366,242; Apr. 4; Serial No. 413,049; published Jan. 24, 1939.

Astringents, astringent cerates, etc. Spooner, Inc. 366,177; Apr. 4; Serial No. 403,427; published Jan. 24, 1939.

Chemical solutions. P. O. Gravelle. 366,207; Apr. 4; Serial No. 411,739; published Jan. 17, 1939.

Coloring substances. Frank C. Mathers and Jacob Papish. 125,827; renewed July 17, 1939.

Compound for processing fabrics and leather. Arkansas Company. 366,233; Apr. 4; Serial No. 412,847; published Jan. 24, 1939.

Compound for use on top of hot steel after casting in molds. E. F. Houghton & Co. 366,205; Apr. 4; Serial No. 411,606; published Jan. 17, 1939.

Compounds for use in textile processing. Warwick Chemical Company. 366,237; Apr. 4; Serial No. 412,990; published Jan. 17, 1939.

Compounds intended to be applied as a coating to cotton, wool, etc. Wm. E. Hooper & Sons Company. 366,227; Apr. 4; Serial No. 412,709; published Jan. 17, 1939.

Cream, Anodyne. E. Lassere. 124,552; renewed Feb. 25, 1939.

Douche, Vaginal. Penslar Company. 366,240; Apr. 4; Serial No. 413,028; published Jan. 24, 1939.

Drug. Wm. P. Poythress & Co. Inc. 366,255; Apr. 4; Serial No. 413,259; published Jan. 17, 1939.

Elixir, Medicinal. D. B. Belli, Inc. 366,201; Apr. 4; Serial No. 411,398; published Jan. 17, 1939.

Feminine hygiene product. Stanley Laboratories, Incorporated. 366,203; Apr. 4; Serial No. 411,471; published Jan. 17, 1939.

Hair tonic and dressing, and liquid dandruff remover preparation. Paul Westphal Incorporated. 366,194; Apr. 4; Serial No. 410,712; published Jan. 17, 1939.

Insecticidal compositions. Io-Dow Chemical Company. 366,281; Apr. 4; Serial No. 413,713; published Jan. 24, 1939.

Insecticide. S. O. Parker. 366,196; Apr. 4; Serial No. 411,037; published Jan. 17, 1939.

Insecticides. Durham Chemical Corporation. 366,251–2; Apr. 4; Serial Nos. 413,210–11; published Jan. 24, 1939.

Insecticides. Liberty Laboratories Corporation. 366,174; Apr. 4; Serial No. 401,308; published Jan. 17, 1939.

Insecticides. J. B. Rosefield. 366,172; Apr. 4; Serial No. 401,077; published Feb. 22, 1938.

Insecticides and concentrated extracts for use therein. McLaughlin Gormley King Company. 366,210; Apr. 4; Serial No. 411,876; published Jan. 24, 1939.

Kelp tablets, Dehydrated. Vita Products, Inc. 366,175; Apr. 4; Serial No. 402,105; published Oct. 25, 1938.

Lilac, quinine hair tonic, talc, etc., Floral. Pinaud Incorporated. 366,216; Apr. 4; Serial No. 412,005; published Jan. 17, 1939.

Liniment. F. C. Young. 125,860; renewed June 17, 1939.

Medicinal preparation. Tilden Company. 366,264; Apr. 4; Serial No. 413,371; published Jan. 24, 1939.

Medicinal substance for calcium deficiency. Upjohn Company. 366,235; Apr. 4; Serial No. 412,882; published Jan. 24, 1939.

Nail polish. United Brands Inc. 366,186; Apr. 4; Serial No. 408,816; published Jan. 17, 1939.

Nail wax, cuticle remover, oil nail polish remover, etc. Castilian Products. 366,200; Apr. 4; Serial No. 411,369; published Jan. 17, 1939.

Ointment, Medicated greaseless. M. P. Minter. 366,256; Apr. 4; Serial No. 413,273; published Jan. 24, 1939.

Pads impregnated with a cleansing preparation. W. E. Hausheer. 366,197; Apr. 4; Serial No. 411,163; published Dec. 13, 1938.

Perfumes, face powders, talcum powders, etc. D. R. Collins Limited. 366,208; Apr. 4; Serial No. 411,857; published Jan. 24, 1939.

Perfumes, toilet water, face powder, etc. Societe Anonyme les Parfumeries de Gabilla. 366,224; Apr. 4; Serial No. 412,562; published Jan. 24, 1939.

Perfumery. United Drug Company. 126,495; renewed Aug. 26, 1939.

Pharmaceutical preparations. Nelson, Baker & Company. 125,923; renewed July 8, 1939.

Pharmaceutical preparations. R. Rebold. 366,199; Apr. 4; Serial No. 411,247; published Jan. 7, 1939.

Photographic preparations and chemicals. Fink-Roselieve Co. 366,232; Apr. 4; Serial No. 412,808; published Jan. 24, 1939.

Pine oil for bath essence. E. L. Jenny. 366,209; Apr. 4; Serial No. 411,870; published Jan. 17, 1939.

Preparation, Flavored liquid. Webb Laboratories, Inc. 366,182; Apr. 4; Serial No. 406,360; published Aug. 16, 1938.

Preparation for alleviation of pain. J. R. Ellis. 366,234; Apr. 4; Serial No. 412,854; published Jan. 24, 1939.

Preparation for treating corns. J. R. Collins. 366,274; Apr. 4; Serial No. 413,470; published Jan. 24, 1939.

Preparation for use in prolonging life and beauty of cut flowers. W. J. Bussert. 366,178; Apr. 4; Serial No. 403,752; published Jan. 17, 1939.

Preparation of hypophosphites. Fellows Medical Manufacturing Company. 366,241; Apr. 4; Serial No. 413,040; published Jan. 24, 1939.

Preparation of nicotine acid. Abbott Laboratories. 366,245; Apr. 4; Serial No. 413,092; published Jan. 24, 1939.

Preparation used as a gargle. Endo Products, Inc. 366,261; Apr. 4; Serial No. 413,338; published Jan. 24, 1939.

Preparations and chemicals for developing photographic film. Fink-Roselieve Co. 366,193; Apr. 4; Serial No. 410,646; published Jan. 17, 1939.

Preparations for use as dietary supplements, pharmaceutical preparations, etc. Upjohn Company. 366,218–19; Apr. 4; Serial Nos. 412,239–40; published Jan. 24, 1939.

Preparations to be used in the treatment of diseases and disorders of the stomach and intestines, etc. R. N. Farr. 366,262; Apr. 4; Serial No. 413,339; published Jan. 17, 1939.

Purgative and vermifuge. Winthrop Chemical Company. 366,249; Apr. 4; Serial No. 413,168; published Jan. 24, 1939.

Salve, medicinal hand lotion, and germicide solution, Germicidal. R. M. Seibel. 366,243; Apr. 4; Serial No. 413,053; published Jan. 24, 1939.

Shampoo. J. E. Montville. 366,202; Apr. 4; Serial No. 411,461; published Jan. 17, 1939.

Shampoo and oil treatment. Halgar, Inc. 366,280; Apr. 4; Serial No. 413,670; published Jan. 24, 1939.

Shampoos and hair tonics. A. Schaffhauser. 366,244; Apr. 4; Serial No. 413,081; published Jan. 17, 1939.

Soda ash briquets, Fused. Mathieson Alkali Works (Inc.) 366,166; Apr. 4; Serial No. 399,365; published Jan. 24, 1939.

Soothing and healing preparation for infections, cuts, etc. S. Korozon. 366,198; Apr. 4; Serial No. 411,227; published Jan. 17, 1939.

Starch, Laundry. A. E. Staley Manufacturing Company. 366,206; Apr. 4; Serial No. 411,718; published Jan. 17, 1939.

Tonic. Blackburn Products Co. 126,246–7; renewed Aug. 19, 1939.

Tonic. Italian Drugs Importing Company. 126,022; renewed July 22, 1939.

Vaccine, Fever producing. Aristopharm, Ltd. 366,276; Apr. 4; Serial No. 413,507; published Jan. 24, 1939.

Vitamin concentrate. National Institute of Nutrition. 366,190; Apr. 4; Serial No. 409,619; published Jan. 17, 1939.

Vitamin K preparation. Abbott Laboratories. 366,212; Apr. 4; Serial No. 411,931; published Jan. 17, 1939.

CLASS 11

Carbon paper. Horder's Incorporated. 366,162; Apr. 4; Serial No. 378,567; published Jan. 24, 1939.

Pigmentatious material. Eugene Dietzgen Co. 366,173; Apr. 4; Serial No. 401,211; published Jan. 24, 1939.

Class 13

Dispensers, Soap. M. B. Feinson. 366,302; Apr. 4.

Ovens, roasters, pans, and kettles, Base metal combination Dutch. Walgreen Co. 366,292; Apr. 4.

Pipe fittings, Metal. James Manufacturing Company. 366,176; Apr. 4; Serial No. 402,616; published Jan. 24, 1939.

Spouts, Pouring. Aldetyme Distillers, Inc. 366,167–8; Apr. 4; Serial Nos. 399,510–11; published Jan. 24, 1939.

CLASS 14

Metals and metal castings and forgings. **American Sheet & Tin Plate Company.** 126,125; renewed July 29, 1939.

CLASS 15

Oils and greases. Atlantic Refining Company. 124,920–1; renewed Mar. 25. 1939.

CLASS 16

Paints and varnishes, Ready-mixed. Arco Company. 124,361; renewed Feb. 11, 1939.

CLASS 17

Cigarettes. Hills Brothers Company. 126,288; renewed Aug. 19, 1939.

CLASS 19

Bicycles. Colson Corporation. 366,229; Apr. 4; Serial No. 412,798; published Jan. 24, 1939.
Bicycles. Colson Corporation. 366,230; Apr. 4; Serial No. 412,800; published Jan. 24, 1939.
Bicycles and replacement parts. C. C. M. Incorporated. 366,220; Apr. 4; Serial No. 412,251; published Jan. 24, 1939.
Trucks, Industrial motor driven. Clark Equipment Company. 366,295; Apr. 4.

CLASS 21

Electrical control apparatus, electrical machines, and electrical supplies. Cutler-Hammer, Inc. 366,253; Apr. 4; Serial No. 413,221; published Jan. 24, 1939.
Toasters, Electric. McGraw Electric Company. 366,211; Apr. 4; Serial No. 411,890; published Jan. 24, 1939.

CLASS 22

Ball stop on the top rail at the bowler's end of a bowling alley. American Bowling and Billiard Corp. 366,278; Apr. 4; Serial No. 413,613; published Jan. 24, 1939.
Dolls. Sears, Roebuck and Co. 366,277; Apr. 4; Serial No. 413,565; published Jan. 24, 1939.
Game, Board. Parker Brothers, Inc. 366,269–71; Apr. 4; Serial Nos. 413,453–5; published Jan. 24, 1939.
Game board, Race horse. F. J. Balthaser. 366,239; Apr. 4; Serial No. 412,996; published Jan. 24, 1939.

CLASS 23

Clippers, Electric hair. H. T. Schiff. 366,214; Apr. 4; Serial No. 411,970; published Jan. 24, 1939.
Corkscrews and bottle openers. Autotyre Company. 366,246; Apr. 4; Serial No. 413,096; published Jan. 24, 1939.
Elevators. Rotary Lift Company. 366,266; Apr. 4; Serial No. 413,381; published Jan. 24, 1939.
Fire sets. Cutter Manufacturing Company. 366,217; Apr. 4; Serial No. 412,026; published Jan. 24, 1939.
Gear shift for automotive vehicles. Houde Engineering Corporation. 366,183; Apr. 4; Serial No. 407,809; published Jan. 24, 1939.
Pumps. Arthur S. Leitch Company. 366,192; Apr. 4; Serial No. 410,470; published Jan. 24, 1939.
Razor blades. Bestov Products, Inc. 366,179; Apr. 4; Serial No. 405,054; published Jan. 24, 1939.
Shears, Tin. Moore and Janzen Cutlery Company. 366,291; Apr. 4.

CLASS 24

Clothes drying racks. Saginaw Manufacturing Co. 366,196; Apr. 4; Serial No. 410,929; published Jan. 24, 1939.
Washing machines. Bendix Home Appliances, Inc. 366,289; Apr. 4.
Washing machines and parts therefor, Clothes. Electro-Mite Corporation. 366,189; Apr. 4; Serial No. 409,393; published Jan. 17, 1939.
Washing machines and wringers, Domestic clothes. Electric Household Utilities Corporation. 366,231; Apr. 4; Serial No. 412,805; published Jan. 17, 1939.

CLASS 26

Color mixing and measuring machine. Sherwin-Williams Co. 366,300; Apr. 4.
Instruments for measuring constant electric loads. D. A. Henry. 366,247; Apr. 4; Serial No. 413,124; published Jan. 24, 1939.
Photographic enlarging apparatus. Optikotechna společnost s r. o. 366,272–3; Apr. 4; Serial Nos. 413,464–5; published Jan. 24, 1939.

CLASS 29

Brushes, Paint and varnish. Wooster Brush Company. 366,305; Apr. 4.
Brushes, Shaving. James Lowe Erskine Company. 124,857; renewed Mar. 18, 1939.

CLASS 31

Freezers, Counter. Taylor Freezer Corporation. 366,279; Apr. 4; Serial No. 413,655; published Jan. 24, 1939.

CLASS 32

Furniture. Northern Furniture Company. 126,327; renewed Aug. 19, 1939.
Furniture, Household. Grand Rapids Chair Company. 366,294; Apr. 4.
Shades. Aeroshade Co. 366,258; Apr. 4; Serial No. 413,291; published Jan. 24, 1939.
Shades, window shades, and shade rollers, Mounted. Columbia Mills, Inc. 366,236; Apr. 4; Serial No. 412,904; published Jan. 24, 1939.

CLASS 33

Glassware. M. Schonfeld. 366,191; Apr. 4; Serial No. 410,049; published Jan. 24, 1939.

CLASS 34

Globes, chimneys, and roundels, Glass. Corning Glass Works. 366,228; Apr. 4; Serial No. 412,755; published Jan. 24, 1939.
Ventilators and blowers, Electric window. W. Richardson. 366,188; Apr. 4; Serial No. 409,108; published Jan. 24, 1939.

CLASS 36

Phonographs. Rock-Ola Manufacturing Corporation. 366,287; Apr. 4.
Strings for musical instruments. Rudolph Wurlitzer Company. 366,254; Apr. 4; Serial No. 413,258; published Jan. 24, 1939.

CLASS 37

Cardboard. Thames Paper Company, L't'd. 125,539; renewed May 20, 1939.
Paper. Crown Zellerbach Corporation. 366,285; Apr. 4.
Paper, Drawing. Craftint Manufacturing Company. 366,163; Apr. 4; Serial No. 383,160; published Jan. 24, 1939.
Pens and mechanical pencils, Fountain. Waterbury Clock Company. 366,257; Apr. 4; Serial No. 413,285; published Jan. 24, 1939.

CLASS 38

Articles appearing in bulletins or lessons issued from time to time. A. A. Bratton. 125,969; renewed July 22, 1939.

CLASS 39

Coats and suits. House of Whitney Ltd. 366,288; Apr. 4.
Coats and suits, Ladies' and girls'. Raleigh Haberdasher, Inc. 366,297; Apr. 4.
Coats for women and girls. Petrie's Inc. 366,283; Apr. 4.
Dresses. Bender & Hamburger, Inc. 366,306 Apr. 4.
Dresses. J. C. Penney Company. 366,293; Apr. 4.
Dresses, blouses, skirts, etc. Paramount Apparel, Inc. 366,308; Apr. 4.
Dresses, suits, blouses, etc. Eagle Knitting Mills. 366,286; Apr. 4.
Garments. Clearfield Mills, Inc. 366,296 Apr. 4.
Hosiery. Chipman Knitting Mills. 126,400; renewed Aug. 26, 1939.
Hosiery, Ladies'. Imperial Hosiery Co. 366,311; Apr. 4.
Underwear for men. Otis Co. 126,053; renewed July 22, 1939.

CLASS 42

Clothing, cloths, shrouds and piece goods, Beef. Cleveland Cotton Products Company. 366,290; Apr. 4.
Sheets, sheetings, pillow-cases, etc. Utica Steam & Mohawk Cotton Mills. 125,855; renewed June 17, 1939.

CLASS 44

Dental Articulators. Crescent Dental Mfg. Co. 366,307; Apr. 4.
Electrical apparatus for air conditioning the hair and scalp. J. P. Fischer, Inc. 366,187; Apr. 4; Serial No. 408,918; published Jan. 24, 1939.
Hearing aid devices. C. L. Hofmann Corporation. 366,204; Apr. 4; Serial No. 411,499; published Jan. 24, 1939.
Prophylactic rubber articles. L. Schweitzer. 366,265; Apr. 4; Serial No. 413,379; published Jan. 24, 1939.

CLASS 45

Beverages, and syrups and extracts for making the same. Dean Bros. Bottling Co. 366,304; Apr. 4.
Water, Carbonated. Stratford Magnesia Springs Compy. 124,942; renewed Mar. 25, 1939.

CLASS 46

Beef, mutton and pork meat; etc. Frigorifico Sirdar, Sociedad de Responsabilidad Limitada. 366,185; Apr. 4; Serial No. 408,787; published Jan. 24, 1939.
Butter and eggs. Union Premier Food Stores, Inc. 366,223; Apr. 4; Serial No. 412,314; published Jan. 24, 1939.
Candy. Standard Candy Co. 126,353; renewed Aug. 19, 1939.
Canned olive-oil and canned tomato sauce. P. Pastene & Co. Inc. 124,575; renewed Feb. 25, 1939.
Canned popcorn (popped). F. J. Silk. 366,284; Apr. 4.
Canned sardines. Booth Fisheries Co. 126,252–3; renewed Aug. 19, 1939.
Canned shrimp. Algiers Canning Co. Inc. 366,259; Apr. 4; Serial No. 413,292; published Jan 24, 1939.
Cereal breakfast foods. Durum Cereals Limited. 366,298; Apr. 4.
Cookies. Mountain City Mill Company. 366,170; Apr. 4; Serial No. 399,802; published Jan. 24, 1939.
Dextrinous product. Stein, Hall & Co. 125,316; renewed May 6, 1939.
Fish, Smoked and salted. G. Verbeet. 366,250; Apr. 4; Serial No. 413,205; published Jan. 24, 1939.
Flour. Pillsbury Flour Mills Company. 126,336; renewed Aug. 19, 1939.

Flour, Wheat. Ottawa Milling Company. 126,331; renewed Aug. 19, 1939.
Foods and ingredients of foods. Maggi Co., Inc. 366,165; Apr. 4; Serial No. 396,143; published Jan. 24, 1939.
Fresh apples and pears. Northwestern Fruit Exchange. 124,866; renewed Mar. 18, 1939.
Macaroni, spaghetti, and egg noodles. Estate of Pietro Cavataio. 366,309; Apr. 4.
Milk, Desiccated. Dry Milk Company. 125,987; renewed July 22, 1939.
Oleomargarin. Miami Butterine Co. 126,315; renewed Aug. 19, 1939.
Oleomargarin. Otto F. Stifel's Union Brewing Company. 126,358; renewed Aug. 19, 1939.
Oranges and grapefruit. Abner G. Erickson & Sons. 366,275; Apr. 4; Serial No. 413,474; published Jan. 24, 1939.
Peanuts. N. G. Terry. 366,263; Apr. 4; Serial No. 413,370; published Jan. 24, 1939.
Pickles and vegetable relishes. Budiong Pickle Co. 366,299; Apr. 4.
Poultry. L. Hawkins. 366,169; Apr. 4; Serial No. 399,763; published Jan. 24, 1939.
Spaghetti, egg noodles, ravioli, etc., Egg. Capri Food Products, Inc. 366,260; Apr. 4; Serial No. 413,332; published Jan. 24, 1939.
Vegetable broth powder. California Dry Food Co. 366,181; Apr. 4; Serial No. 405,871; published Jan. 24, 1939.

CLASS 47

Caramel colors for use in wine. Penick & Ford, Ltd. Incorporated. 366,238; Apr. 4; Serial No. 412,919; published Jan. 24, 1939.
Wine. H. Sichel & Sons, Limited. 366,225; Apr. 4; Serial No. 412,614; published Jan. 24, 1939.
Wines. J. H. Thielen. 366,171; Apr. 4; Serial No. 399,907; published Jan. 24, 1939.

CLASS 49

Gin, whiskey, rum, etc. Joseph S. Finch and Company. 366,267; Apr. 4; Serial No. 413,395; published Jan. 24, 1939.
Whiskey. George Benz Sons, Inc. 366,184; Apr. 4; Serial No. 408,593; published Jan. 24, 1939.
Whiskey. Park & Tilford Distillers, Inc. 366,303; Apr. 4.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 366,268; Apr. 4; Serial No. 413,398; published Jan. 24, 1939.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 366,282; Apr. 4; Serial No. 413,734; published Jan. 24, 1939.

CLASS 50

Belting, Composition. J. Barash. 366,215; Apr. 4; Serial No. 411,984; published Jan. 24, 1939.
Memorials, Cemetery and public building. A. Del Giudice & Son, Inc. 366,312; Apr. 4.
Posters, panels, and billboards, Outdoor advertising. Ad-Ver-Tis-Er, Inc. 366,301; Apr. 4.
Printers' mats, electrotypes, stereotypes, etc. Cribben & Sexton Company. 366,164; Apr. 4; Serial No. 387,435; published Feb. 8, 1938.
Waterproofed fabrics. Cravenette Co., U. S. A. 126,403; renewed Aug. 26, 1939.

LIST OF LABELS

Blue Flash Photographic Gelatine. For Photographic Gelatine. Peerless Paper Specialty, Inc. 52,747; Apr. 4.
Breath-Taking! Kontrol—Two Purpose Tooth Paste. For Tooth-Paste. Mark W. Allen & Co. 52,730; Apr. 4.
Bubbles Soap Flakes. For Soap Flakes. J. Klein. 52,746; Apr. 4.
Budapest Brand. For Beer. Tru-Blu Bottles. 52,752; Apr. 4.
Charwood. For Straight Rye Whiskey. Joseph H. Reinfeld, Inc. 52,749; Apr. 4.
Christmas Tree Spray Paint. For Christmas Tree Spray Paint. R. S. Hinkson & Son. 52,743; Apr. 4.
Daily Vitamins. For Soluble Gelatin Capsules Containing Vitamins. Daily Vitamins, Inc. 52,738; Apr. 4.
Falcon Black Label. For Blended Whiskey. Joseph H. Reinfeld, Inc. 52,748; Apr. 4.
Glex Cough Squares. For a Palliative Demulcent for Coughers, Singers, Smokers, and Talkers. Glex Corporation. 52,740; Apr. 4.
Great State Cigar, Made by King Arthur Cigar Fact'y. King Arthur Cigar Factory. 52,745; Apr. 4.
Hi-Lo Studio Couch. For Studio Couches. Burton-Dixie Corporation. 52,735; Apr. 4.
Hot Diggitty. For a Barbacue Table Extract. J. A. Herrmann. 52,742; Apr. 4.
Palmetto Grove. For Citrus Fruit. M. A. Waller. 52,753; Apr. 4.
Petit-Point. For Canned Peas. Blue Earth Canning Company. 52,734; Apr. 4.
Scotti's Italian Sauce. For Italian Sauce. S. Scolerl. 52,750; Apr. 4.
Shiver. For Frozen Confections. Shiver Cake Corporation of America. 52,751; Apr. 4.
Specially Selected. For Furniture. Grand Rapids Furniture Exposition Association. 52,741; Apr. 4.
Sperry Farina. For Farina. General Mills, Inc. 52,739; Apr. 4.
The Leader. For Buckwheat Pancake Flour. F. S. Carbon. 52,737; Apr. 4.
The Leader. For Pancake Flour. F. S. Carbon. 52,736; Apr. 4.
Toilo Cloth. For Toilet and Wash Cloths. J. C. Johnson. 52,744; Apr. 4.
Union Made Coat. For Coats. Amalgamated Clothing Workers of America. 52,731; Apr. 4.
Union Made Pants. For Pants. Amalgamated Clothing Workers of America. 52,732; Apr. 4.
Union Made Vest. For Vests. Amalgamated Clothing Workers of America. 52,733; Apr. 4.
Ward's Wheat Heart Bread. For Bread. Ward Baking Company. 52,754; Apr. 4.

LIST OF PRINTS

A Good Anvil Does Not Fear the Hammer. For Coffee. Hills Bros. 17,303; Apr. 4.
A Good Drum Does Not Need Hard Striking. For Coffee. Hills Bros. 17,304; Apr. 4.
An Empty Wagon Makes the Most Noise. For Coffee. Hills Bros. 17,305; Apr. 4.
And Every Body Talks About Her Coffee. For Coffee. Hills Bros. 17,306; Apr. 4.
And Lots of Women Envy Her Fine Coffee. For Coffee. Hills Bros. 17,307; Apr. 4.
And She Takes Pride in Making Coffee. For Coffee. Hills Bros. 17,308; Apr. 4.
And Those Hands Are Skilled in Making Coffee. For Coffee. Hills Bros. 17,309; Apr. 4.
And What's More She's an Expert Coffee Maker. For Coffee. Hills Bros. 17,310; Apr. 4.
And 'Wonderful' Describes the Coffee She Makes. For Coffee. Hills Bros. 17,311; Apr. 4.
Andeker a Word About a Fine Beer. For Beer. Premier-Pabst Sales Co. 17,320; Apr. 4.
Blue Coal Heating Gauge. For Coal. Household Fuel Division of Blue Coal Corporation. 17,318; Apr. 4.
"Century" Asbestos Waltile. For Asbestos Tiles. Keasbey & Mattison Company. 17,319; Apr. 4.
Cereal and Fruit—(Case Poster). For Breakfast Cereal. L. M. Skinner. 17,328; Apr. 4.
Don't Miss This Feature In – – – April Good Housekeeping 1938. For Coffee. Hills Bros. 17,313; Apr. 4.
Dr. Scholl's Arch Binder. For Arch Binders. Scholl Mfg. Co. Inc. 17,325; Apr. 4.
Dr. Scholl's Lastik Metatarsal Pad. For Metatarsal Pads for Relieving Callouses, Pains and Cramps at Ball of Foot. Scholl Mfg. Co. Inc. 17,327; Apr. 4.
Dr. Scholl's Solvex. For a Liquid Preparation and an Ointment for Relieving "Athlete's Foot" and Itching Toes. Scholl Mfg. Co. Inc. 17,326; Apr. 4.
Every Woman Loves a Compliment. For Coffee. Hills Bros. 17,314; Apr. 4.
Good Coffee Wins Praise Every Day. For Coffee. Hills Bros. 17,315; Apr. 4.
Good—Isn't It, Pal? (Horse Poster). For Horse Food. Ralston Purina Company. 17,321; Apr. 4.
If You Run After Two Hares You Will Catch Neither. For Coffee. Hills Bros. 17,317; Apr. 4.
In Canker Auralgan. For a Medication for Ear Complications. Doho Chemical Corporation. 17,302; Apr. 4.
New Startena Containing Puri-Flav Vitamin G (Flavin) Ingredient for Extra Growth . . . Stronger Chicks! (Chick Brooder Top Display). For Chick Feed. Ralston Purina Company. 17,323; Apr. 4.
Rebuild Your Dry Cows (Dairy Poster). For Dairy Feed. Ralston Purina Company. 17,322; Apr. 4.
The Boxer's Fist Must Keep To Its Task. For Coffee. Hills Bros. 17,312; Apr. 4.
The Horse Is Not Judged Of by the Saddle. For Coffee. Hills Bros. 17,316; Apr. 4.
Trend The New Bow Tie. For Bow Ties. Scheftels and Simson Company. 17,324; Apr. 4.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

General Motors Corporation. (See Gibson, J. Lowell, assignor.)

Gibson, J. Lowell, Dayton, Ohio, assignor to General Motors Corporation. Refrigerating apparatus. Re. 21,040; Apr. 4.

Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company. Signal device for dispensing pumps. Re. 21,041; Apr. 4.

Neptune Meter Company. (See Hazard, Charles S., assignor.)

Norton Company. (See Sanford, B., and Webster, assignors.)

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Selective control system and apparatus. Re. 21,042; Apr. 4.

Sanford, Baalis, and D. E. Webster, assignors to Norton Company, Worcester, Mass. Abrasive wheel and manufacture. Re. 21,043; Apr. 4.

Teletype Corporation. (See Potts, Louis M., assignor.)

Webster, Duane E. (See Sanford, B., and Webster.)

Wolford, Walter L., Oakland, Calif. Binder for receipts and the like. Re. 21,044; Apr. 4.

LIST OF PLANT PATENTEES

Asmus, Edward R., Sr., Closter, N. J. Rose. 323; Apr. 4.

Greening Nursery Company. (See Nametz, John U., assignor.)

Jackson & Perkins Company. (See Ruys, Bonne, assignor.)

Nametz, John U., Benton Harper, assignor to Greening Nursery Company, Monroe, Mich. Peach tree. 325; Apr. 4.

Ruys, Bonne, Dedemsvaart, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Delphinium. 324; Apr. 4.

LIST OF DESIGN PATENTEES

Albertson, Victor N., St. Louis Park, and J. Henningsen, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Tractor. 114,112; Apr. 4.

Allen, Grosvenor N., Oneida, M. P. Fleming, Niagara Falls, and L. E. Ressegger, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 114,113; Apr. 4.

Allen, Grosvenor N., Oneida, M. P. Fleming, Niagara Falls, and L. E. Ressegger, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 114,114; Apr. 4.

Altorfer Bros. Company. (See Waltman, Chauncey E., assignor.)

Armstrong Cork Company. (See Barnes, Spencer L., assignor.)

Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Fabric for shoe uppers. 114,146; Apr. 4.

Barnes, Spencer L., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Container cap. 114,053; Apr. 4.

Barrett, Joseph E., assignor to Superior Electric Products Corp., Cape Girardeau, Mo. Waffle iron or similar article. 114,115; Apr. 4.

Beatty, Robert J., Columbus, Ohio. Glass tumbler or article of similar nature. 114,054; Apr. 4.

Bezault, Georges A. J., Juvisy-sur-Orge, assignor to Cartier, Societe Anonyme, Paris, France. Clip. 114,055; Apr. 4.

Blechner, Adolf C. (See Klahn, Edwin, assignor.)

Burke, Edward J., Richmond, Va. Chair. 114,056; Apr. 4.

Cartier, Societe Anonyme. (See Beault, Georges A. J., assignor.)

Castricone, John A., Peoria, Ill. Ironing machine gear head. 114,057; Apr. 4.

Chicago Flexible Shaft Company. (See Scharfenberg, George T., assignor.)

Cory, Harvey, Chicago, Ill. Filter rod for a coffee brewer. 114,097; Apr. 4.

Cox, Anthony G., Honolulu, Hawaii. Body for stringed musical instruments. 114,129; Apr. 4.

Critchfield, Robert M., Anderson, and D. B. Roberts, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Storage battery case. 114,147; Apr. 4.

Davenport, Lloyd J., Kearny, N. J., assignor to P. E. Flato, New York, N. Y. Vanity case or similar article. 114,058; Apr. 4.

Davis, Cortland W., Alexandria, Ind. Combined cooking and heating stove or similar article. 114,059; Apr. 4.

De Mellier, George P. (See Link, M. P., de Mellier, and Tillinghast.)

Dentz, Thomas J., New York, assignor to Janssen Piano Co., Inc., Brooklyn, N. Y. Piano case. 114,098; Apr. 4.

Dictaphone Corporation. (See Patten, Ray, assignor.)

Dinkelspiel, Lawrence, West New York, N. J. Printed tablecloth or similar article. 114,130; Apr. 4.

Du-La Manufacturing Company. (See Hettinger, George, assignor.)

Emanuel, Benjamin D., Anderson, Ind. Battery plate assembly. 114,116; Apr. 4.

Engel, Alice, New York, N. Y. Dress and slip ensemble. 114,131; Apr. 4.

Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)

Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Combined display shelf and bracket. 114,132; Apr. 4.

Fishlove, Irving H., Chicago, Ill. Textile fabric or similar article. 114,133; Apr. 4.

Flato, Paul E. (See Davenport, Lloyd J., assignor.)

Fleming, Mary P. (See Allen, G. N., Fleming, and Ressegger.)

Florig, Frederick F., assignor to Jas. H. Matthews & Company, Pittsburgh, Pa. Grave marker. 114,099; Apr. 4.

Florman, Irving, New York, N. Y. Electric dry shaver casing. 114,060; Apr. 4.

Fogarty, Patrick, Washington, D. C. Game device. 114,061; Apr. 4.

Forstmann, Julius G., New York, N. Y. Cabinet for card game paraphernalia. 114,062; Apr. 4.

Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)

Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Electrical control unit. 114,117; Apr. 4.

General Controls Co. (See Ray, William A., assignor.)

General Motors Corporation. (See Critchfield, R. M., and Roberts, assignors.)

General Motors Corporation. (See Koubek, John L., assignor.)

Gerardy, Francis C., and A. E. Nordland, Kansas City, Mo. Restaurant counter unit. 114,063; Apr. 4.

Gilbert, A. C., Company, The. (See Frisbie, Marshall H., assignor.)

Grannis, Russell L., Wilkinsburg, and P. C. Perrin, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Dispensing device. 114,100; Apr. 4.

Great American Indemnity Company. (See Link, M. P., de Mellier, and Tillinghast, assignors.)

Gregg, Roscoe C., Fredericktown, Ohio. Wall lamp or similar article. 114,101; Apr. 4.

Haaser, Lawrence C., assignor to The Sozonian Vault Company, Bucyrus, Ohio. Casket rest. 114,064; Apr. 4.

Hasenstein, Chester, Sheboygan, Wis. Chair. 114,065; Apr. 4.

Hazelwood, Floyd P., W. N. Sherman, and E. C. Wheeler, Topeka, Kans. Game board. 114,066; Apr. 4.

Hennings, Raymond A., New Orleans, La. Display stand. 114,102; Apr. 4.

Henningsen, John. (See Albertson, V. N., and Henningsen.)

Herrmann, Helene, New York, N. Y. Dress. 114,148; Apr. 4.

Hettinger, George, East Rutherford, N. J., assignor to Du-La Manufacturing Company. Insecticide spraying device. 114,067; Apr. 4.
Hockman, Kenneth F. (See Hockman, Woodrow M. and K. F.)
Hockman, Woodrow M. and K. F., Lansdale, Pa. Utility cabinet. 114,103; Apr. 4.
Horn, Harry J. (See Hunt, J H., and Horn.)
Howell, Herbert H., Buffalo, N. Y. Lifting jack. 114,068; Apr. 4.
Hunt, J Harold, and H. J. Horn, assignors to Motor Wheel Corporation, Lansing, Mich. Wheel. 114,118; Apr. 4.
Hust, Hurley G., assignor to National Ice Advertising, Inc., Chicago, Ill. Label. 114,104; Apr. 4.
Hyle, Eburn C. (See Mack, A., and Hyle.)
Jackson, Dwight, and M. H. Jackson. (See Jackson, Marshall H. and W.)
Jackson, Marshall H. and W., River Forest, assignors to Dwight & M. H. Jackson, Chicago, Ill. Seal press or similar article. 114,149; Apr. 4.
Jackson, Warren. (See Jackson, Marshall H. and W.)
Janssen Piano Co. (See Dentz, Thomas J., assignor.)
Johnsen, William H., Dallas, Tex. Exhaust extension. 114,119; Apr. 4.
Kahn, David, Inc. (See Weisser, Karl, assignor.)
Kapikian, Peter R., Astoria, Long Island, N. Y. Ashtray. 114,120; Apr. 4.
Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kislingbury, Fred H., assignor to Western States Wholesale Music Corporation, Los Angeles, Calif. Electric guitar. 114,105; Apr. 4.
Klahn, Edwin, assignor to A. C. Blechner, New York, N. Y. Savings bank or similar article. 114,069; Apr. 4.
Klein, Paul M., Cedarhurst, N. Y. Clock. 114,121; Apr. 4.
Knudsen, Robert E., Detroit, Mich. Bottle cap. 114,070; Apr. 4.
Knudstrup, Aksel J. C. (See Robinson, H. R., and Knudstrup.)
Koubek, John L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lens. 114,106; Apr. 4.
Kuzniewicz, John and W., New York, N. Y. Ashtray. 114,071; Apr. 4.
Kuzniewicz, Walter. (See Kuzniewicz, John and W.)
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,072; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,073; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,074; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,075; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,076; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,077; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,078; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,079; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,080; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,081; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,082; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,083; Apr. 4.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros, Inc., New York, N. Y. Plate or similar article. 114,107; Apr. 4.
Link, Milton P., Glen Rock, N. J., G. P. de Mellier, Wantagh, N. Y., and L. F. Tillinghast, West Englewood, N. J., assignors to Great American Indemnity Company, New York, N. Y. Badge or similar article. 114,084; Apr. 4.
Lockart, Edward P., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 114,085; Apr. 4.
Lockart, Edward P., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 114,086; Apr. 4.
MacDonald, Thomas O., Toledo, Ohio. Trigger guard bumper for dispensing nozzles. 114,087; Apr. 4.
Mack, Alex, and E. C. Hyle, New York, N. Y. Shoe or similar article. 114,150; Apr. 4.
Manning, Roland A., Milwaukee, Wis., assignor to Moe-Bridges Corporation. Illuminating floor lamp. 114,088; Apr. 4.
Manning, Roland A., Milwaukee, Wis., assignor to Moe-Bridges Corporation. Illuminating floor lamp. 114,108; Apr. 4.
Martial, Jacques, New York, assignor to C. Q. Sherman, Mount Vernon, N. Y. Cabinet for dispensing articles. 114,089; Apr. 4.
Martin, James Y., Hempstead, N. Y. Oceanplane. 114,122; Apr. 4.
Matthews, Jas. H., & Company. (See Florig, Frederick F., assignor.)
Meier, Albert J., Kirkwood, Mo. Name finder. 114,090; Apr. 4.
Michelson, Margaret, New York, N. Y. Dress and slip ensemble. 114,134; Apr. 4.
Miller, Walter C., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace table cloth. 114,151; Apr. 4.
Miller, Walter C., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace table cloth. 114,152; Apr. 4.
Miller, Walter C., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace table cloth. 114,153; Apr. 4.
Mine Safety Appliances Company. (See Grannis, R. L., and Perrin, assignors.)
Minneapolis-Moline Power Implement Company. (See Albertson, V. N., and Henningsen, assignors.)
Moe-Bridges Corporation. (See Manning, Roland A., assignor.)
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Motor Wheel Corporation. (See Hunt, J H., and Horn, assignors.)
Nash, Una, Astoria, N. Y. Display hanger or similar article. 114,109; Apr. 4.
National Ice Advertising, Inc. (See Hust, Hurley G., assignor.)
Nordland, Alfred E. (See Gerardy, F. C., and Nordland.)
Oneida Ltd. (See Allen, G. N., Fleming, and Ressegger, assignors.)
Otto, Ferdinand P., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace table cloth. 114,154; Apr. 4.
Owens-Illinois Glass Company. (See Lockart, Edward P., assignor.)
Patten, Ray, Wilton, Conn., assignor to Dictaphone Corporation, New York, N. Y. Control device for phonographs. 114,123; Apr. 4.
Perrin, Paul C. (See Grannis, R. L., and Perrin.)
Philippe, Alfred, New York, N. Y. Clip pin. 114,135; Apr. 4.
Philippe, Alfred, New York, N. Y. Clip pin. 114,136; Apr. 4.
Philippe, Alfred, New York, N. Y. Necklace. 114,137; Apr. 4.
Philippe, Alfred, New York, N. Y. Clip pin. 114,138; Apr. 4.
Philippe, Alfred, New York, N. Y. Necklace. 114,139; Apr. 4.
Philippe, Alfred, New York, N. Y. Clip pin. 114,140; Apr. 4.
Philippe, Alfred, New York, N. Y. Necklace. 114,141; Apr. 4.
Platt, Thomas E., San Francisco, Calif. Combined ash-tray and bracket support therefor. 114,142; Apr. 4.
Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
Porter, Geneva T., North Tonawanda, N. Y. Belt. 114,143; Apr. 4.
Presser, Harry, New York, N. Y. Dress ensemble. 114,155; Apr. 4.
Presser, Harry, New York, N. Y. Dress. 114,156; Apr. 4.
Presser, Harry, New York, N. Y. Dress ensemble. 114,157; Apr. 4.
Presser, Harry, New York, N. Y. Dress ensemble. 114,158; Apr. 4.
Quaker Lace Company. (See Miller, Walter C., assignor.)
Quaker Lace Company. (See Otto, Ferdinand P., assignor.)
Ray, William A., Glendale, Calif., assignor to General Controls Co. Combined thermostat case and mounting therefor or similar article. 114,091; Apr. 4.
Ressegger, Lloyd E. (See Allen, G. N., Fleming, and Ressegger.)
Richardson, Marguerite R., and E. Staber, New York, N. Y. Dress ensemble. 114,159; Apr. 4.
Roberts, Donald B. (See Critchfield, R. M., and Roberts.)
Robinson, Hilyard R., Washington, D. C., and A. J. C. Knudstrup, Vienna, Va. Desk lamp. 114,110; Apr. 4.
Rosenberg, Enid, New York, N. Y. Dress ensemble. 114,160; Apr. 4.
Rost, Katheryn, New York, N. Y. Dress. 114,161; Apr. 4.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Handle for sadiron. 114,092; Apr. 4.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Sadiron. 114,093; Apr. 4.
Schiff, Henry T., Chicago, Ill. Shaving implement. 114,144; Apr. 4.
Schwartz, Anna H., New York, N. Y. Dress ensemble. 114,145; Apr. 4.
Shanzer, Max, New York, N. Y. Slipper. 114,124; Apr. 4.
Sherman, Charles Q. (See Martial, Jacques, assignor.)
Sherman, William N. (See Hazelwood, F. P., Sherman, and Wheeler.)

Sozonian Vault Company, The. (See Haaser, Lawrence C., assignor.)
Spanel, Abraham N., Dover, Del. Pants. 114,162; Apr. 4.
Staber, Eugenia. (See Richardson, M. R., and Staber.)
Superior Electric Products Corp. (See Barrett, Joseph E., assignor.)
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Spectacle front. 114,125; Apr. 4.
Tillinghast, Leslie F. (See Link, M. P., de Mellier, and Tillinghast.)
Wallace R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Waltman, Chauncey E., Chicago, assignor to Altorfer Bros. Company, Peoria, Ill. Wringer. 114,094; Apr. 4.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 114,126; Apr. 4.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 114,127; Apr. 4.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 114,128; Apr. 4.
Wangh, Gwenyth, New York, N. Y. Textile fabric or similar article. 114,163; Apr. 4.
Weidner, Victor, Port Washington, assignor to The Western Union Telegraph Company, New York, N. Y. Teleprinter cabinet. 114,164; Apr. 4.
Weisser, Karl, Union City, assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Fountain pen and pencil clip. 114,095; Apr. 4.
Western States Wholesale Music Corporation. (See Kislingbury, Fred H., assignor.)
Western Union Telegraph Company, The. (See Weidner, Victor, assignor.)
Wheeler, Elmer C. (See Hazelwood, F. P., Sherman, and Wheeler.)
Winston, Virginia, Jackson Heights, N. Y. Tablecloth or similar article. 114,165; Apr. 4.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Handle for kitchen utensils or similar articles. 114,096; Apr. 4.
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Combined towel bar and bracket. 114,111; Apr. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Adlake Company, The. (See Verhagen, Christian M., assignor.)
Aeschbach, Walter E., assignor to The Measuregraph Company, St. Louis, Mo. Fabric measuring machine. 2,152,833; Apr. 4.
Ahnell, Karl J. (See Anderson, R. G., Ahnell, and Goldsmith.)
Aircraft Screw Products Company. (See Caminez, Harold, assignor.)
Aktiebolaget Formator. (See Dahlström, R., and Rothelius, assignors.)
Albin, Jeremiah W., Babylon, N. Y. Writing device. 2,153,032; Apr. 4.
Alexander, Lewis, Clinton, Ill. Railroad crossing. 2,152,857; Apr. 4.
Allen, George W., assignor to B. F. Sturtevant Company, Boston, Mass. Gas producer control. 2,153,057; Apr. 4.
Allied Engineering Company: (See Grange, E. A., Kaptuller, and Schmidt, assignors.)
Allied Engineering Company. (See Grange, E. A., and Schmidt, assignors.)
Allison, John J., Chandler, and I. F. Collier, Tempe, Ariz. Machine for leveling land and forming borders. 2,153,446; Apr. 4.
Allstatter, Edwin E., Middletown, Ohio. Tag. 2,153,227; Apr. 4.
All-Steel-Equip Company. (See Knell, John, assignor.)
Alltimes, Alfred, Medford, Mass. Cutting and embossing device for biscuit machines. 2,153,067; Apr. 4.
Alonso, Irene W., et al., executors. (See Windecker, Clifton N.)
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Electric gaseous discharge device. 2,152,985; Apr. 4.
Aluminum Company of America. (See Guthrie, John M., assignor.)
Alvistur, Oscar, San Francisco, Calif. Toy. 2,152,945; Apr. 4.
Ambrose, John J. (See Padelford, L. E., and Ambrose.)
American Blower Corporation. (See Morse, Clark T., assignor.)
American Chain & Cable Company. (See Myers, W. E., and Schwartz, assignors.)
American Chain & Cable Company. (See Reyburn, John R., assignor.)
American Engineering Company. (See Harbers, William J., assignor.)
American Foil Corporation. (See Kantor, Samuel T., assignor.)
American Hardware Corporation, The. (See Morgen, Sigurd P., assignor.)
American Lurgi Corporation. (See Wendeborn, Helmut, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Rolling Mill Company, The. (See Milan, E. N., and Schlup, assignors.)
American Seal Company. (See Newman, Claude, assignor.)
American Steel and Wire Company, The. (See Magee, W. V., and Miller, assignors.)
American Telephone and Telegraph Company. (See Bachelet, A. E., and (Holden, assignor).)
American Telephone and Telegraph Company. (See Bookout, A. C., and Pitts, assignors.)
American Telephone and Telegraph Company. (See Knapp, Howard S., assignor.)
Amsler, Walter O., Butler, Pa., assignor to Frazier-Simplex, Inc. Glass drawing tank. 2,153,228; Apr. 4.
Anchor Cap & Closure Corporation. (See Darling, Frank L., assignor.)
Anchor Cap & Closure Corporation. (See Fleisch, J. R., and Kosar, assignors.)
Anchor Cap & Closure Corporation. (See Kosar, John G., assignor.)
Anchor Cap & Closure Corporation. (See McNamara, W. L., and Errett, assignors.)
Andersen, Ludvig. (See Watson, J. D., and Andersen.)
Anderson, Robert G., K. J. Ahnell, and T. R. Goldsmith, Erie, Pa., assignors to General Electric Company. Air flow control apparatus. 2,153,359; Apr. 4.
Andersson, Ivan, Hartford, Conn. Hair comb. 2,153,126; Apr. 4.
Andis, Mathew and M. G., Jr., Racine, Wis. Shaving device. 2,152,677; Apr. 4.
Andis, Matthew G., Jr. (See Andis, Mathew and M. G., Jr.)

Andrews, Albert K., Vancouver, Wash. Pneumatic treating recovery head for dehydrated concentrates. 2,153,033; Apr. 4.
Andrews, Chester E., Overbrook, and L. U. Spence, Cheltenham, assignors to Röhm & Haas Company, Philadelphia, Pa. Manufacture of trimethylamine. 2,153,405; Apr. 4.
Andrus, Leo R., et al. (See Grison, Joseph, assignor.)
Ansel, Myrtle E., et al. (See Grison, Joseph, assignor.)
Ansel, Paul J., et al. (See Grison, Joseph, assignor.)
Ansorge, George, Kew Gardens, N. Y. Garden hose holder. 2,153,290; Apr. 4.
Arbuckle, Samuel F., and G. H. Coulter, Highland Park, assignors to United Lens Corporation, Detroit, Mich. Lamp. 2,152,834; Apr. 4.
Arden, Thomas R., Baldwin, N. Y., assignor to Ultrad Products, Incorporated. Effective length adjusting means for apparel elements. 2,153,068; Apr. 4.
Arkin, Sidney, Chicago, Ill. Grave marker and other indicator. 2,153,229; Apr. 4.
Arps, Edmund J., assignor to Duo-Safety Ladder Corporation, Oshkosh, Wis. Ladder. 2,153,127; Apr. 4.
Arteraft Silk Hosiery Mills, Inc. (See Richter, Emil F., assignor.)
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Joint. 2,153,494; Apr. 4.
Associated Electric Laboratories, Inc. (See Bakker, Pier, assignor.)
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Associated Electric Laboratories, Inc. (See Sigo, Arthur T., assignor.)
Atlantic Service Company Inc. (See Schaefer, Adolph O., assignor.)
Atlas-Ometer Co. (See Jameson, Clarence W., assignor.)
Auger, Claude H., and S. R. Puffer, Saugus, Mass., assignors to General Electric Company. Motor driven fluid pump. 2,153,360; Apr. 4.
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Coinwrapping Machine Corporation. (See Seemel, Bruno E., assignor.)
Automatic Washer Company. (See Vincent, Merlin S., assignor.)
Auzin, John M., Warwick, R. I., assignor to Davol Rubber Company. Marking. 2,152,725; Apr. 4.
Aylies, Andrew G. (See Van Wirt, A. E., Aylies, and Jones.)
B. B. B. Corporation. (See Baumheckel, William M., assignor.)
Bachelet, Albert E., Mount Vernon, and W. H. T. Holden; said Bachelet assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Holden assignor to American Telephone and Telegraph Company. Selective signaling system. 2,153,128; Apr. 4.
Bagneli, Edgar W., Glendale, assignor of one-half to H. D. Sawtell, Los Angeles, Calif. Vibrator. 2,153,230; Apr. 4.
Bailey, Jennings, Jr., et al., trustees. (See Best, Frank C., assignor.)
Bailey, Jennings, Jr., et al, trustees. (See Brouilhiet, Georges, assignor.)
Bailey, Jennings, Jr., et al., trustees. (See Paton, Clyde R., assignor.)
Bakelite Corporation. (See Catlow, W. R., Jr., and Wakefield, assignors.)
Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker Oil Tools, Inc. (See Burt, C. E., and Mayer, assignors.)
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Cementing device for well casings. 2,153,034; Apr. 4.
Bakker, Pier, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,153,291; Apr. 4.
Balfe, George T., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich. Gasket. 2,152,630; Apr. 4.
Banks, Ira O., Higginsville, Mo. Radio receiver. 2,153,447; Apr. 4.
Bany, Herman, assignor to General Electric Company, Lansdowne, Pa. Circuit breaker control system. 2,152,782; Apr. 4.
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barbour Welting Company. (See Vizard, William C., assignor.)
Barganz, Walter A. (See Brandt, E. J., Reuteler, and Barganz.)
Barlett, Helen B. (See McDougal, T. G., Fessler, and Barlett.)

Barltrop, Albert C., Edmonton, London, England. Wheeled supporting means, particularly for furniture. 2,152,946; Apr. 4.
Barnard, Walter E., Wethersfield, Conn. Educational and amusement device. 2,153,231; Apr. 4.
Barnes, Elwin D., Seattle, Wash. Tire recapping press. 2,152,755; Apr. 4.
Barnum, Francis J., et al. (See Grison, Joseph, assignor.)
Baroni, Augusto, Rome, Italy. Universal panoramic telescope. 2,152,726; Apr. 4.
Barr, Harry F., and J. W. Ridgway, assignors to General Motors Corporation, Detroit, Mich. Elbow for connecting air cleaners and carburetors. 2,153,069; Apr. 4.
Barrett Company, The. (See Engel, Karl H., assignor.)
Bascom, Henry M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,153,129; Apr. 4.
Bashor, Harley H., assignor of one-half to A. E. Buck, Albuquerque, N. Mex. Chassis frame for house trailers. 2,153,058; Apr. 4.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bateman, Ernest. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Bateman, William T., special administrator. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Battermann, Ludwig A., Sayville, N. Y., assignor to Radio Corporation of America. Transmission line. 2,153,527; Apr. 4.
Battery Patents Corporation. (See Henry, Harry H., assignor.)
Bauer, Walter, Darmstadt, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Preparation of methacrylic acid. 2,153,406; Apr. 4.
Baumheckel, William M., Cincinnati, Ohio, assignor to B. B. B. Corporation, Detroit, Mich. Water pump and seal therefor. 2,152,727; Apr. 4.
Baxter, Ernest L., assignor to Eastman Kodak Company, Rochester, N. Y. Rotogravure ink. 2,153,130; Apr. 4.
Beauchamp, George D., assignor to Electro String Instrument Corporation, Los Angeles, Calif. Stringed musical instrument. 2,152,783; Apr. 4.
Beck, Frank A. (See Kuester, J., and Beck.)
Beck, Kenneth H., and E. H. Blackburn, Pittsburgh, Pa. Door stop. 2,153,232. Apr. 4.
Becker, Fred, Queens Village, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,152,858; Apr. 4.
Beecher, Eugene L., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,152,859; Apr. 4.
Beglinger, Edward. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Behrens, Henry J., M. H. Bemis, E. R. Greer, and A. E. Morrison, assignors to Rotary Snow Plow Company, Minneapolis, Minn. Motor-equipped snow plow. 2,152,860; Apr. 4.
Belden, Albert G. (See Indge, H. S., and Belden.)
Belknap, William L., Stratford, and E. L. Meyer, Bridgeport, Conn. Display sign. 2,152,623; Apr. 4.
Bell, Joe A. (See Fortney, F. W., and Bell.)
Bell, Samuel J., assignor to A. S. Hall, Springfield, Mass. Vegetable dicing, slicing, and shredding machine. 2,153,407; Apr. 4.
Bell Telephone Laboratories, Incorporated. (See Bachelet, A. E., assignor, and Holden.)
Bell Telephone Labotories, Incorporated. (See Bascom, Henry M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Benning, Harvey H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Blount, Frank E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickieson, A. C., and Fisher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Jutson, R. P., and Larew, assignors.)
Bell Telephone Laboratories, Incorporated. (See King, Kenneth L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mougey, Wilbur E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Newby, Neal D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pierce, John R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rodwin, George, assignor.)
Bell Telephone Laboratories, Incorporated. (See Schott, Lionel, assignor.)
Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
Bemis, Melvin H. (See Behrens, H. J., Greer, and Morrison.)
Bendix Products Corporation. (See Price, Harold W. and E. R., assignors.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)
Bennallack, H. C. (See Morella, Frank, assignor.)
Bennett, Frank S., Schenectady, N. Y., assignor to General Electric Company. Surface condenser. 2,153,361; Apr. 4.
Bennett, James A. J., Genista, Newton Mearns, Scotland, assignor, by mesne assignments, to Autogiro Company of America. Blade construction for aircraft sustaining rotors. 2,152,861; Apr. 4.
Benning, Harvey H., Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Broad band transmission system. 2,153,528; Apr. 4.
Bentley, Ruth B. (See Butler, Alfred, assignor.)
Berger, Henry G., Woodbury, R. C. Moran, Wenonah, and F. M. Seger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum lubricant product. 2,153,495; Ap. 4.
Berger, Henry G., Woodbury, R. C. Moran, Wenonah, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,153,496; Apr. 4.
Bergerioux, René, Mennecy, Seine-et-Oise, France. Container for dispensing materials. 2,152,862; Apr. 4.
Berndt, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna. 2,153,292; Apr. 4.
Best, Frank C., Detroit, Mich., assignor, by mesne assignments, to R. C. Watson and J. Bailey, Jr., trustees, Washington, D. C. Motor vehicle. 2,152,233; Apr. 4.
Bethlehem Steel Company. (See Schenck, Charles, assignor.)
Betzold, Max F., assignor to Rascher & Betzold, Inc., Chicago, Ill. Blast burner. 2,153,497; Apr. 4.
Blaesch, Ulrich E., Philadelphia, Pa. Holding device for cap covers or tops. 2,152,678; Apr. 4.
Biernatzki & Co. (See Schulz, Rudolf, assignor.)
Bikle, William E., Park Ridge, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car roof. 2,153,070; Apr. 4.
Billmyre, Allen, Corporation. (See Billmyre, Joseph F., assignor.)
Billmyre, Joseph F., Larchmont, assignor to Allen Billmyre Corporation, New York, N. Y. Portable vacuum cleaner. 2,152,756; Apr. 4.
Bills, Claud H., Maywood, Calif. Sand, water, and oil segregator. 2,152,863; Apr. 4.
Birrell, Royden, Sacramento, Calif. Compensating poppet valve. 2,152,784; Apr. 4.
Bisch, Alvin, Chicago, Ill. Amusement device. 2,152,679; Apr. 4.
Bishop, Leonard J., assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Conveyer. 2,153,071; Apr. 4.
Bjorksten, Johan, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating pad or roll and method for its use. 2,153,324; Apr. 4.
Blackburn, Edward H. (See Beck, K. H., and Blackburn.)
Blake Manufacturing Corporation. (See Officer, W. J., and Wood, assignors.)
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic welding control. 2,152,785; Apr. 4.
Blaski, John F., Chicago, Ill. Mechanical teeing apparatus. 2,152,680; Apr. 4.
Blaw-Knox Company. (See Venable, William H., assignor.)
Bletcher, Ralph E. (See Buckneil, E. H., and Bletcher.)
Bliss, E. W., Company. (See Cannon, Earl, assignor.)
Blomerius, Robert, Berlin-Frohnau, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Switching apparatus for electrically counting rapid reciprocating movements. 2,152,947; Apr. 4.
Blount, Frank E., Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,153,293; Apr. 4.
Boaz, Arthur R., Acton, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y. Apparatus for observing revolving objects. 2,153,448; Apr. 4.
Bocchino, Roger P. A., Paris, France. Devon made of soft material. 2,152,948; Apr. 4.
Boehringer, Albert, et al. (See Scheuing, G., and Krauss, assignors.)
Boehringer, C. H., Sohn. (See Scheuing, G., and Krauss.)
Boehringer, Ernst, et al. (See Scheuing, G., and Krauss, assignors.)
Boeing Aircraft Company. (See Minshall, R. J., and Wells, assignors.)
Boerlage, Gerrit D., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Apparatus for showing the nature of combustion in internal combustion engines. 2,153,114; Apr. 4.
Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparation of acetoacetyl aromatic acid amides. 2,152,786; Apr. 4.
Boese, Albert B., Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Preparation of acetoacetyl aromatic acid amides. 2,152,787; Apr. 4.
Bogoslowsky, Boris, New York, N. Y. Making golf balls. 2,153,408; Apr. 4.
Bogoslowsky, Boris, New York, N. Y. Machine for making golf balls. 2,153,409; Apr. 4.
Bogoslowsky, Boris, New York, N. Y. Golf ball. 2,153,410; Apr. 4.
Böhme, Joachim, Berlin-Schoneberg, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. High frequency oscillator. 2,153,131; Apr. 4.
Bohn, Donald L., Pittsburgh, Pa. Welding timer. 2,152,631; Apr. 4.

Bolas, Harold, Providence, R. I. Aircraft. 2,152,835; Apr. 4.
Bold, Walter. (See Hyde, John R., assignor.)
Bonville, Thomas, Portland, Maine. Extension ladder construction. 2,153,362; Apr. 4.
Bookout, Archie C., and F. B. Pitts, Oklahoma City, Okla., assignors to American Telephone and Telegraph Company. Suspending aerial cables. 2,153,072; Apr. 4.
Boosey, Edward W. N., Detroit, Mich. Drainage system for separating oil from waste water. 2,153,411; Apr. 4.
Booth, Earl C. (See Dudlow, E., and Booth.)
Booth, Robert B., Westfield, N. J., assignor to Manville Jenckes Corporation, Manville, R. I. Clarification of rayon spin baths. 2,153,449; Apr. 4.
Boothe, Eugene F., assignor to James R. Kearney Corporation, St. Louis, Mo. Surge link. 2,152,864; Apr. 4.
Boothroyd, Hubert. (See Ricks, F., Boothroyd, and James.)
Borde, Raoul, assignor to Compagnie des Freins Westinghouse, Paris, France. Fluid pressure brake system. 2,152,949; Apr. 4.
Borden, Moro M., assignor to Simplex Valve and Meter Company, Philadelphia, Pa. Single head meter. 2,153,450; Apr. 4.
Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)
Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)
Bovey, Thomas, Philadelphia, Pa. Lamp for the headlights of vehicles. 2,152,830; Apr. 4.
Bowen, Russell C., Seattle, Wash. BX cable cutter. 2,153,510; Apr. 4.
Bowers, Frank. (See Thomas, W. P., Howse, Brelsford, and Bowers.)
Bowers, Frederick M., Chester, Pa. Welding shield or helmet. 2,152,865; Apr. 4.
Bozung, Clarence J., Greenville, Mich. Memorandum device. 2,152,866; Apr. 4.
Braby, Frederick, & Company Limited. (See Marchbank, John, assignor.)
Bracke, Robert F., Chicago, Ill. Carburetor. 2,152,950; Apr. 4.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,152,951; Apr. 4.
Brandt Automatic Cashier Co. (See Brandt, E. J., Reuteler, and Barganz, assignors.)
Brandt, Edward J., and E. G. Reuteler, Watertown, and W. A. Barganz, Dodge County, assignors to Brandt Automatic Cashier Co., Watertown, Wis. Coin counting machine. 2,152,952; Apr. 4.
Brandtjen & Kluge, Inc. (See Kluge, Abel and E., assignors.)
Brassert, H. A., & Company. (See Seaver, Jay J., assignor.)
Brenkstone Bros., Inc. (See Gold, Herman, assignor.)
Brelsford, Harry E. (See Thomas, W. P., Howse, Brelsford, and Bowers.)
Brelsford, William E., assignor of one-third to K. A. Davis, Mendota, Ill. Plowshare structure. 2,153,451; Apr. 4.
Bright, Elvin M., Dayton, assignor to J. M. Wallace, Cincinnati, Ohio. Game. 2,152,867; Apr. 4.
Broadman, Louis, East Cleveland, Ohio. Take-up device for automobile wheel supporting structures. 2,153,168;
Broering, Lawrence B. (See Kite, F. E., and Broering.)
Brogden, Ronald R., Orlando, assignor to Brogdex Company, Winter Haven, Fla. Brushing device. 2,153,294; Apr. 4.
Brogden, Ronald R., Orlando, assignor to Brogdex Company, Winter Haven, Fla. Machine for brushing and otherwise treating fruit and other articles. 2,153,295; Apr. 4.
Brogden, Ronald R., Orlando, assignor to Brogdex Company, Winter Haven, Fla. Machine for treating eggs. 2,153,296; Apr. 4.
Brogdex Company. (See Brogden, Ronald R., assignor.)
Brooker, Leslie G. S., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic emulsion. 2,153,169; Apr. 4.
Brouilhet, Georges, Paris, France, assignor to R. C. Watson and J. Bailey, Jr., trustees, Washington, D. C. Vehicle underframe. 2,153,498; Apr. 4.
Brown, Charles I., Duboistown, Pa. Cooler. 2,153,452; Apr. 4.
Brüche, Ernst, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Laminated metal body. 2,153,363; Apr. 4.
Bryce, James W., Bloomfield, N. J., and G. F. Daly, Johnson City, assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,153,167; Apr. 4.
Buc, Hyym E., Roselle, and A. H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company. Producing alkyl halides. 2,153,170; Apr. 4.
Buccella, Fred, Winchester, Mass. Brake mechanism for sleds. 2,153,234; Apr. 4.
Buck, Albert E. (See Bashor, Harley H., assignor.)
Buckeye Traction Ditcher Company, The. (See Miller, George E., assignor.)
Buckley, John P., Washington, D. C. Automatic monitor for machine controls. 2,153,412; Apr. 4.
Bucklin, Paul, Pawtucket, R. I. Cribbage board and card pack holder. 2,153,453; Apr. 4.
Bucknell, Ernest H., and R. E. Bletcher, Los Angeles, Calif. Combination fixture. 2,152,868; Apr. 4.
Bullock, John W. (See Pierce, Raymond C., assignor.)
Burger, Frederick W. Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel assembly. 2,152,757; Apr. 4.
Burk, Robert E., assignor to The Standard Oil Company, Cleveland, Ohio. Preparing acetylene. 2,153,115; Apr. 4.
Burkhart, William H., Baltimore, Md., and E. T. Marceau, Maplewood, N. J., assignors to Hecker Products Corporation. Soap product and the manufacture thereof. 2,152,788; Apr. 4.
Burrows, Lawton A., Wenonah, N. J., and S. L. Handforth, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting cap. 2,153,171; Apr. 4.
Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Producing slips for oil well tools. 2,153,035; Apr. 4.
Burt, Clarence E., Los Angeles, and R. Mayer, assignors to Baker Oil Tools, Inc., Huntington Park, Calif. Polyphase luminous tube and circuit. 2,153,036; Apr. 4.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmitter tube circuit. 2,153,172; Apr. 4.
Butler, Alfred, Albion, assignor of one-third to R. B. Bentley, Marshall, Mich. Screen frame construction. 2,153,454; Apr. 4.
Butler, Benjamin J., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,153,297; Apr. 4.
Butler, Hylas M., Lewis, Kans. Signaling device. 2,152,789; Apr. 4.
Cadden, Charles C. (See Matthews, A. T., and Cadden.)
Calco Chemical Company, The. (See Lecher, H. Z., and Scalera, assignors.)
Calhoun, Ernest N., assignor to E. L. Wiegand, Pittsburgh, Pa. Electric heating apparatus. 2,152,953; Apr. 4.
Caminez, Harold, Kew Gardens, assignor to Aircraft Screw Products Company, Inc., New York, N. Y. Screw connection. 2,152,681; Apr. 4.
Campbell, Donald J., Spring Lake, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Making brake drums. 2,153,173; Apr. 4.
Campbell, Donald J., Spring Lake, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Brake drum. 2,153,364; Apr. 4.
Campbell, Harry V., Charleston, W. Va. Flower holder. 2,152,869; Apr. 4.
Campbell, Joseph L., Maryville, Tenn. Cylinder reamer. 2,152,954; Apr. 4.
Campbell, Wyant & Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Prefill valve for hydraulic presses. 2,152,837; Apr. 4.
Cannon, Earl, Rockville Centre, assignor to E. W. Bliss Company, Brooklyn, N. Y. Prefill valve for hydraulic presses. 2,152,870; Apr. 4.
Carbide and Carbon Chemicals Corporation. (See Boese, Albert B., Jr., assignor.)
Carpenter, Margaret J., Washington, D. C. Toy building. 2,152,728; Apr. 4.
Carr, Richard H. (See Wagner, C. R., and Carr.)
Casper, Carl G. and C., Kenton, Ohio. Rotary live stock feeder. 2,153,455; Apr. 4.
Casper, Clarence. (See Casper, Carl G. and C.)
Cassiere, Alphonse T., assignor to F. L. Rogers, Long Beach, Calif. Feed mechanism. 2,152,632; Apr. 4.
Castonguay, Albert, et al. (See Castonguay, Joseph, assignor.)
Castonguay, Joseph, assignor of one-third to A. Castonguay, and one-third to W. Castonguay, Salem, Mass. Counter molding machine. 2,152,838; Apr. 4.
Castonguay, William, et al. (See Castonguay, Joseph, assignor.)
Catlow, William R., Jr., and H. F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y. Drying oil compositions. 2,152,633; Apr. 4.
Cavalier Corporation. (See Lane, Joseph H., assignor.)
Cazes, Paul G., assignor to Pathé Cinéma Anciens Etablissments Pathé Freres, Paris, France. Intermittent film feed. 2,152,624; Apr. 4.
Celanese Corporation of America. (See Steinberger, Alfred J., assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Centrifugal Pipe Corporation. (See Wehmeier, H., and Ruff, assignors.)
Chaffins, Clyde J., Vancouver, Wash. Pick-up and loading machine. 2,153,037; Apr. 4.
Chakoian, Martin H. (See Dagavarian, Hagop, assignor.)
Chamberlain, William H., Higham Ferrers, England. Shoe heel counter molding machine. 2,153,235; Apr. 4.
Champion Spark Plug Company. (See Jeffery, Benjamin A., assignor.)
Charland, Harry J., Lansing, Mich. Pipe bracket. 2,152,871; Apr. 4.
Chartier, Curtis C., Chicago, Ill. Universal tool sharpening and work holder. 2,152,729; Apr. 4.

Chase, Theron P., assignor to General Motors Corporation, Detroit, Mich. Hydraulic brake. 2,153,076; Apr. 4.
Cheatham, Robert V., Jr., St. Matthews, Ky. Game apparatus. 2,152,872; Apr. 4.
Cheetham, Harold C., Philadelphia, Pa., and W. L. Evers, Woodbury, N. J., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Preparation of pale colored alkyd resins. 2,153,511; Apr. 4.
Cheetham, Harold C., Philadelphia, Pa., and W. L. Evers, Woodbury, N. J., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Preparation of pale paint, varnish, and enamel vehicles. 2,153,512; Apr. 4.
Chemical Construction Corporation. (See Oliver, Thomas C., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chievitz, William J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Oil seal. 2,153,499; Apr. 4.
Childs, Margie K., Jacksonville, Tex. Brassière. 2,152,910; Apr. 4.
Chilowsky, Constantin, Paris, France. Photosensitive gas apparatus. 2,153,456; Apr. 4.
Chobert, Jacques F. G., Saint-Etienne, France. Inspection door and like closure. 2,153,073; Apr. 4.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Tool. 2,153,236; Apr. 4.
Church, Walter L., Houston, Tex. Fluid lift pump. 2,152,873; Apr. 4.
Cicero, Sam J. (See Graziano, S. F., and Cicero.)
Cities Service Oil Company. (See Walker, John C., assignor.)
Clark, Aurelius R., Martinez, Calif. Spring suspension for vehicles. 2,153,237; Apr. 4.
Clark, Edward W. (See Willaman, J. J., Diehm, and Clark.)
Clark Equipment Company. (See Burger, Frederick W.)
Clark Equipment Company. (See Ormsby, Donald D., assignor.)
Clark, James K., Utica, assignor to The Partlow Corporation, New Hartford, N. Y. Automatic safety pilot burner. 2,152,790; Apr. 4.
Clarke, Frederick A., Chelsfield, England. Coupling. 2,153,077; Apr. 4.
Clarostat Manufacturing Co. Inc. (See Mucher, George J., assignor.)
Cleveland Shopping News Company, The. (See Hamlin, Walter E., assignor.)
Cole, Herbert, New York, N. Y. Printing machine. 2,153,325; Apr. 4.
Coleman, Gerald H., and G. V. Moore, assignors to The Dow Chemical Company, Midland, Mich. Reaction products of 2-methyl-1, 3-dichloro-propane and alcohols. 2,153,513; Apr. 4.
Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electric cable. 2,153,174; Apr. 4.
Collier, Isham F. (See Allison, J. J., and Collier.)
Columbia Steel Equipment Company. (See Ruck, George, assignor.)
Combustion Engineering Company. (See Crites, Joe, assignor.)
Comee, Joseph F., North Brook, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Ceiling for car roofs. 2,153,074; Apr. 4.
Commercial Solvents Corporation. (See Kleweg, Homer, assignor.)
Commercial Solvents Corporation. (See Martin, Jerome, assignor.)
Compagnie des Avions Hanriot. (See Riviere, Henri, assignor.)
Compagnie des Freins Westinghouse. (See Borde, Raoul, assignor.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Manufacture of containers. 2,153,365; Apr. 4.
Consolidated Carton Inc. (See Jones, W. Bartlett, assignor.)
Container Corporation of America. (See Lowey, Roy E., assignor.)
Container Corporation of America. (See Nemoede, Paul A., assignor.)
Container Corporation of America. (See Reid, Charles S., assignor.)
Continental Car-Na-Var Corporation. (See Petty, Edward L., assignor.)
Copeland, Tilden, Sweetwater, Tex. Ventilator blind. 2,153,075; Apr. 4.
Copland, Charles J., North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Production of high purity crystalline dextrose. 2,152,874; Apr. 4.
Corbett, John M., Huntington Park, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Ripper. 2,153,038; Apr. 4.
Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Aerial. 2,153,298; Apr. 4.
Corn Products Refining Company. (See Copland, Charles J., assignor.)
Cornell Securities Corporation. (See Cornell, Vernon E., assignor.)
Cornell, Vernon E., Garfield Heights, assignor to Cornell Securities Corporation, Cleveland, Ohio. Closure means for receptacles. 2,152,634; Apr. 4.
Cory, Harry T., Washington, D. C. Stripping harvester. 2,152,730; Apr. 4.
Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)
Coulter, Guy H. (See Arbuckle, S. F., and Coulter.)
Cox, David C., assignor to Electric Sorting Machine Company. Sorting machine. 2,152,758; Apr. 4.
Cox, Isaac E. (See Vigne, A., and Cox.)
Coyne, Albert E., Goodwood, Cape Province, Union of South Africa. Electrically maintained vibrating body and system embodying same. 2,152,955; Apr. 4.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding, gauging, and sizing. 2,152,875; Apr. 4.
Crane, Carl J., Fairfield, and F. G. Nesbitt, Dayton, Ohio. Aircraft speed indicator. 2,152,635; Apr. 4.
Crane, Hubert R., Los Angeles, Calif. Rod coupling assembly. 2,152,636; Apr. 4.
Crane, Victor S. (See Harlan, A. S., Crane, and Honan.)
Cridge, Edmund L., Passaic, N. J. Window frame unit. 2,152,986; Apr. 4.
Crites, Joe, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Grinding and classifying apparatus. 2,152,876; Apr. 4.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Multiple grid harmonic generator. 2,152,759; Apr. 4.
Crosley Corporation, The. (See Crosley, Powel, Jr., assignor.)
Crosley Corporation, The. (See Money, Roland H., assignor.)
Crosley, Powel, Jr., Cincinnati, Ohio, assignor to The Crosley Corporation. Advertising demonstration device. 2,152,731; Apr. 4.
Crouter, Herbert E., Flint, Mich. Saddle. 2,153,326; Apr. 4.
Crowther, Raymond E., London, England, assignor to Eastman Kodak Company, Rochester, N. Y. Focusing arrangement for cameras. 2,153,132; Apr. 4.
Cunningham, Vincent W., Chicago, Ill. Method of and apparatus for washing receptacles such as tumblers and the like. 2,153,238; Apr. 4.
Cuomo, Angelo, Brooklyn, N. Y. Device for curling and locking hair. 2,153,133; Apr. 4.
Curci, Urbano, Ridgway, Pa. Electric heater. 2,153,239; Apr. 4.
Currie, Otis C., assignor to Reynolds Spring Company, Jackson, Mich. Reinforced fibrous tacking strip. 2,153,514; Apr. 4.
Curtis Universal Joint Co. Inc. (See Fett, F. C., and Goddard, assignors.)
Dagavarian, Hagop, assignor of one-half to M. H. Chakoian, Chicago, Ill. Matrix retainer. 2,152,877; Apr. 4.
Dahlberg, Tord O. R., assignor to Kooperativa Förbundet Forening u. p. a., Stockholm, Sweden. Tens transmitting device for calculating machines and the like. 2,153,299; Apr. 4.
Dahlen, Miles A., and S. R. Detrick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of metal-phthalocyanines. 2,153,300; Apr. 4.
Dahlström, Ruben, Alsten, and B. Rothelius, assignors to Aktiebolaget Formator, Stockholm, Sweden. Device for disintegrating tobacco leaves. 2,152,791; Apr. 4.
Dail, Ernest I., assignor to Dail Steel Products Company, Lansing, Mich. Warm air furnace. 2,153,413; Apr. 4.
Dail Steel Products Company. (See Dail, Ernest I., assignor.)
Dailey, Clarence O., and P. P. Metz, Seattle, Wash. Spraying machine. 2,153,240; Apr. 4.
Daimler-Benz Aktiengesellschaft. (See Schwaiger, Karl, assignor.)
Dairac Tools Company. (See MacRae, William L., assignor.)
Daly, George F. (See Bryce, J. W., and Daly.)
Daly, George F. (See Fuller, F. L., and Daly.)
Darley, William G., Cleveland Heights, Ohio, assignor to General Electric Company. Lamp socket. 2,153,366; Apr. 4.
Darling, Frank L., Paterson, N. J., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealing machine. 2,153,039; Apr. 4.
Davis, Harold G., Denver, Colo. Coffee maker. 2,152,792; Apr. 4.
Davis, Kenneth A. (See Brelsford, William E., assignor.)
Davol Rubber Company. (See Auzin, John M., assignor.)
Dayton Type, Incorporated. (See Poeppelmeier, Frank H., assignor.)
Dayton Type, Incorporated. (See Spaeth, Otto L., assignor.)
Dearborn, Richard J., Summit, N. J., assignor to The Texas Company, New York, N. Y. Conversion of hydrocarbon oil. 2,153,241; Apr. 4.
De Golyer, Anthony G., New York, N. Y. Welding. 2,152,637; Apr. 4.
De Laval Separator Company, The. (See Lindgren, Hans O., assignor.)
Demme, Ernst. (See Elöd, E., and Demme.)

Denslow, Roy R., Nutley, A. M. Erskine, Chatham, and S. C. Horning, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing pigment in organic vehicle compositions useful for making coating compositions. 2,153,515; Apr. 4.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,153,367; Apr. 4.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp socket. 2,153,368; Apr. 4.

De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,153,369; Apr. 4.

Detrick, Stanley R. (See Dahlen, M. A., and Detrick.)

Detroit Gasket & Manufacturing Company. (See Balfe, George T., assignor.)

Detroit Lubricator Company. (See Wile, Daniel D., assignor.)

Deuches, Joseph, Memphis, Tenn. Electric radiator. 2,153,078; Apr. 4.

Deutsche Hydrierwerke Aktiengesellschaft. (See Stickdorn, Kurt, assignor.)

Diamond Power Specialty Corporation. (See Thomas, W. P., Howse, Breisford, and Bowers, assignors.)

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating processes and compositions therefor. 2,153,134; Apr. 4.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating processes and compositions therefor. 2,153,135; Apr. 4.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning processes and composition therefor. 2,153,136; Apr. 4.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning processes and compositions therefor. 2,153,137; Apr. 4.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Conditioning of yarn. 2,153,138; Apr. 4.

Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning processes and compositions therefor. 2,153,139; Apr. 4.

Dickieson, Alton C., Hollis, and H. J. Fisher, Port Washington, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,153,040; Apr. 4.

Didier, William A., Fort Wayne, Ind. Postal envelope. 2,153,504; Apr. 4.

Didier, William A., Fort Wayne, Ind. Postal coin carrier. 2,153,505; Apr. 4.

Diehl, William F., Haddonfield, and H. J. Schrader, Haddon Heights, N. J., assignors to Radio Corporation of America. Oscillograph. 2,153,140; Apr. 4.

Diehm, Robert A. (See Willaman, J. J., Diehm, and Clark.)

Dillon, George D., Denver, Colo. Permutation lock. 2,152,839; Apr. 4.

Dirscherl Wilhelm, Frankfort-on-the-Main, and F. Hanusch, Heidelberg, Germany, assignors to Rare Chemicals Inc., Nepera Park, N. Y. Sexual hormones and preparing them. 2,152,625; Apr. 4.

Dirscherl Wilhelm, Frankfort-on-the-Main, and F. Hanusch, Heidelberg, Germany, assignors to Rare Chemicals Inc., Nepera Park, N. Y. Sexual hormones and preparing them. 2,152,626; Apr. 4.

Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)

Ditmars, John R. (See van der Meulen, Peter A., assignor.)

Ditto Incorporated. (See Bjorksten, Johan, assignor.)

Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,152,878; Apr. 4.

Dodge, Howard M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making gaskets. 2,153,414; Apr. 4.

Doepke, Annie, et al., executors. (See Dowdy, C. R., and Doepke.)

Doepke, Fred. (See Dowdy, C. R., and Doepke.)

Doepke, Fred C., et al., executors. (See Dowdy, C. R., and Doepke.)

Dolbier, Charles A., et al. (See Grison, Joseph, assignor.)

Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company. Sealing-in machine. 2,152,793; Apr. 4.

Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company. Apparatus for sealing electric lamps and similar articles. 2,153,370; Apr. 4.

Dorgelo, Eduard G., W. Elenbaas, and H. J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,152,987; Apr. 4.

Dorsey, Benjamin L., Los Angeles, Calif. Fishhook disgorger. 2,152,879; Apr. 4.

Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical connection means. 2,153,176; Apr. 4.

Dow Chemical Company, The. (See Coleman, G. H., and Moore, assignors.)

Dowdy, Charles R., Milwaukee, Wis., and F. Doepke, deceased, St. Petersburg, Fla., by A. and F. C. Doepke, and W. G. Hanson, executors, assignors to Wrought Washer Manufacturing Company, Milwaukee, Wis. Thickness gauge. 2,152,880; Apr. 4.

Drake, Richard A., Forreston, Ill. Rotary snow plow. 2,152,840; Apr. 4.

Dreyfuss, Henry, New York, N. Y., assignor to The New York Central Railroad Company. Car compartment illuminating and ventilating means. 2,153,242; Apr. 4.

Dreymann, Carl G., Pittsburgh, Pa. Producing laminated paperboard and the like. 2,152,732; Apr. 4.

Dripps, Harold, Lake Charles, La. Oil well sample taking means. 2,152,794; Apr. 4.

Duael, Alexander J. (See Mickelson, A. O., and Duael.)

Duff-Norton Manufacturing Company, The. (See Eck, Karl, assignor.)

Duffy, Robert E., and C. W. Uschold, Buffalo, N. Y. Combustion chamber for oil burners. 2,153,175; Apr. 4.

Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Moving stairway. 2,152,795; Apr. 4.

Dunn, Vernon E., Fairfield, Iowa. Washing machine drive mechanism. 2,153,301; Apr. 4.

Duo-Safety Ladder Corporation. (See Arps, Edmund J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Burrows, L. A., and Handforth, assignors.)

Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Detrick, assignors.)

Du Pont, E. I., de Nemours & Company. (See Denslow, R. R., Erskine, and Horning, assignors.)

Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)

Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Murphy, A. R., and Rossander.)

Du Pont, E. I., de Nemours & Company. (See Perkins, Melvin A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Shutt, Rochard S., assignor.)

Du Pont, Eleuthere P., Montchanin, Del. Recording mechanism for games. 2,152,638; Apr. 4.

Dwofsky, Bernard, New York, N. Y. Ink pad. 2,152,682; Apr. 4.

Eastman Kodak Company. (See Baxter, Ernest L., assignor.)

Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)

Eastman Kodak Company. (See Crowther, Raymond E., assignor.)

Eastman Dodak Company. (See Dickey, J. B., and McNally, assignors.)

Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)

Eastman Kodak Company. (See Fairbanks, Henry N., assignor.)

Eastman Kodak Company. (See Figg, L. J., Jr., and Shaulis, assignors.)

Eastman Kodak Company. (See Hickman, Kenneth C. D., assignor.)

Eastman Kodak Company. (See McHarg, John B., assignor.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Nelson, John B., assignor.)

Eastman Kodak Company. (See Nivison, W. S., and Putlock, assignors.)

Eastman Kodak Company. (See Schubert, Alvin E., assignor.)

Eastman Kodak Company. (See Walter, Wilhelm, assignor.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eastman Kodak Company. (See Wynd, Clarence L. A., assignor.)

Eaton Manufacturing Company. (See Russell, Robert S., assignor.)

Eaves, William C., Elmhurst, assignor of forty percent to C. H. Fowler, New York, N. Y. Sound device. 2,153,500; Apr. 4.

Eck, Karl, Avalon, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Electrically operated lifting jack. 2,153,516; Apr. 4.

Ecker, William E., Forest Hills, assignor to International Business Machines Corporation, New York, N. Y. Brush frame construction. 2,153,177; Apr. 4.

Eckert, Wilhelm, and K. Schilling, Frangfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Chromable dyestuffs of the triarylmethane series and preparing them. 2,153,059; Apr. 4.

Eclipse Aviation Corporation. (See McNeil, Charles I., assignor.)

Edgerton, Harold E., Belmont, Mass. Electric circuit. 2,152,639; Apr. 4.

Edmonds, William H. (See Roberts, G. J., and Edmonds.)

Edmunds, Guy W., St. Louis, Mo., assignor to Underwood Elliott Fisher Company, New York, N. Y. Writing machine. 2,152,841; Apr. 4.

Ehrich & Graetz Aktien-Gesellschaft. (See Lucas, Paul, assignor.)

Eichwald, Egon, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Manufacturing lubricants. 2,152,683; Apr. 4.

Eichwald, Egon, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,153,116; Apr. 4.

Electric & Musical Industries Limited. (See Collard, John, assignor.)

Electric & Musical Industries Limited. (See Cork, Edward C., assignor.)

Electric & Musical Industries Limited. (See Nicoll, Frederick H., assignor.)

Electric and Musical Industries Limited. (See Tedham, William F., assignor.)

Electric Sorting Machine Company. (See Cox, David C., assignor.)

Electro String Instrument Corporation. (See Beauchamp, George D., assignor.)

Elenbaas, Willem. (See Dorgelo, E. G., Elenbaas, and Lemmens.)

Elenbaas, Willem, G. B. Jonas, and A. van Wyk, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,152,988; Apr. 4.

Elliott, Joe, and E. E. Garner, Everett, Wash. Automatic control clutch. 2,152,733; Apr. 4.

Elöd, Egon, Karlsruhe, and E. Demme, assignors to firm Carl Freudenberg G. m. b. H., Weinheim, Germany. Treating gelatin. 2,152,627; Apr. 4.

Emsco Derrick & Equipment Company. (See Corbett, John M., assignor.)

Emsco Derrick & Equipment Company. (See Mansfield, Warren M., assignor.)

Engel, Albert W., Chicago, Ill. Transparent mounting device. 2,152,881; Apr. 4.

Engel, Karl H., West Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Rubber compounding. 2,153,141; Apr. 4.

Engel, Lester, Indianapolis, Ind. Game. 2,152,882; Apr. 4.

Ensslin, Hellmut. (See Hartmann, M., Ensslin, and Panizzon.)

Erban Patents Corporation. (See Erban, Richard, assignor.)

Erban, Richard, assignor to Erban Patents Corporation, New York, N. Y. Variable speed transmission. 2,152,796; Apr. 4.

Erban, Richard, assignor to Erban Patents Corporation, New York, N. Y. Transmission. 2,152,797; Apr. 4.

Errett, John. (See McNamara, W. L., and Errett.)

Erskine, Archibald M. (See Denslow, R. R., Erskine, and Horning.)

Etzkorn, Rudolf, Murg, Baden, Germany. Mixing system. 2,152,956; Apr. 4.

Eudy, Harrison, Cleveland Heights, assignor to The Paine & Williams Company, Cleveland, Ohio. Tire. 2,152,883; Apr. 4.

Evans, Martin E., Pittsburgh, Pa. Metal attenuating process and apparatus. 2,152,842; Apr. 4.

Evans Products Company. (See Lintern, Alfred R., assignor.)

Evers, William L. (See Cheetham, H. C., and Evers.)

Ewest, Hans, Berlin-Lichterfelde, H. Krefft, Berlin-Friedrichshagen, and K. Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,152,989; Apr. 4.

Ewing, Frederick J., Pasadena, assignor to Union Oil Company of California, Los Angeles, Calif. Saponification of oxidized hydrocarbons. 2,153,302; Apr. 4.

Excel Curtain Company. (See Levan, John F., assignor.)

Faber, Hermann. (See Zetzsche, W., Stix, Faber, and Schürman.)

Fader, William, and J. Schatman, Newark, N. J. Combined sill and wall bracket. 2,152,990; Apr. 4.

Fairbanks, Henry N., assignor to Eastman Kodak Company, Rochester, N. Y. Film advancing mechanism for motion picture apparatus. 2,153,142; Apr. 4.

Fairbrother, Jack A. V., Rugby, England, assignor to General Electric Company. (See Coating surfaces with powdered materials. 2,152,991; Apr. 4.

Featherston, Milo G., Lexington, Ky. Wire splicer. 2,153,079; Apr. 4.

Fechtenburg, Jörgen F. H., Cheltenham Township, Montgomery County, Pa. Vacuum nozzle. 2,153,457; Apr. 4.

Federal-Mogul Corporation. (See McAfee, William M., assignor.)

Feemster, W. R. (See Nichols, Otto M., assignor.)

Feldstein, Henry H. (See Grill, H. E., and Feldstein.)

Ferguson, Carl S., Needham, Mass. Removing from wool certain other fibers. 2,152,640; Apr. 4.

Fessler, Albra H. (See McDougal, T. G., Fessler, and Barlett.)

Fessler, Albra H. (See McDougal, T. G., Fessler, and Schwartzwalder.)

Fett, Frederick C., and R. K. Goddard, assignors to Curtis Universal Joint Co., Inc., Springfield, Mass. Universal joint. 2,153,415; Apr. 4.

Fides Gesellschaft für die Verwaltung und Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Böhme, Joachim, assignor.)

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Thermal relay. 2,153,517; Apr. 4.

Fielding, George T., Stamford, Conn. Dishwashing apparatus. 2,153,303; Apr. 4.

Figg, Louis J., Jr., and E. E. Shaulis, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Nondiscoloring, liquid antiseptic soap. 2,153,143; Apr. 4.

Filatex Corporation. (See Spencer, William M., assignor.)

Fisher, George H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,152,843; Apr. 4.

Fisher, Harold J. (See Dickieson, A. C., and Fisher.)

Fitch, Clyde J. (See Lemmon, W. S., Fitch, and Walz.)

Fitch, Clyde J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Oscillator circuit. 2,153,179; Apr. 4.

Fitch, Clyde J., Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y. Method of and means for signaling. 2,153,178; Apr. 4.

Fleisch, Joseph R., Clifton, N. J., and J. Kosar, Brooklyn, assignors to Anchor Cap & Closure Corporation, Long Island City, N. Y. Cap and package. 2,153,427; Apr. 4.

Flint, James A., Bexley, Ohio, assignor to The Traylor Vibrator Company. Vibratory screen. 2,153,243; Apr. 4.

Flora, Charles B., assignor to Flora Manufacturing Company, Incorporated, Danville, Va. Adjustable lock strike. 2,153,080; Apr. 4.

Flora Manufacturing Company. (See Flora, Charles B., assignor.)

Food Machinery Corporation. (See Sharma, Jagan N., assignor.)

Ford, Claude H., Birmingham, Ala., assignor to H. H. Leiter, Warsaw, Ind. Hyperextension frame. 2,152,734; Apr. 4.

Ford, Jacob F., Konawa, Okla. Valve. 2,153,458; Apr. 4.

Fortney, Fred W., and J. A. Bell, Clayton, N. Mex. Wheel. 2,152,957; Apr. 4.

Fowler, Carl H. (See Eaves, William C., assignor.)

Francis, Victor J., North Wembley, and J. W. Ryde, London, England, assignors to General Electric Company. Electric discharge device. 2,152,992; Apr. 4.

Frazier-Simplex, Inc. (See Amsler, Walter O., assignor.)

Freeman, Leon, Chicago, Ill. Combination hat perforating and labeling device. 2,152,958; Apr. 4.

Fuller, Frederick L., West Orange, and G. F. Daly, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Card feeding mechanism. 2,153,180; Apr. 4.

Fuller, James G., Chicago, Ill., assignor to National Fin-Mix Corporation, St. Louis, Mo. Making composite pavement. 2,152,798; Apr. 4.

Gabriel Company, The. (See Beecher, Eugene L., assignor.)

Galkin, Joseph, New York, N. Y. Elastic tape attaching mechanism. 2,153,244; Apr. 4.

Gansz, Harry G., Cincinnati, Ohio. Receptacle closure. 2,153,245; Apr. 4.

Garner, Edward E. (See Elliott, J., and Garner.)

Gauly, Edward, Cleveland, Ohio. Surgical instrument. 2,153,417; Apr. 4.

Gauthey, Louis A., Glendale, and W. C. Kuykendall, Huntington Park, Calif.; said Kuykendall assignor to said Gauthey. Well bit. 2,152,628; Apr. 4.

General Aniline Works. (See Heyna, H., and Jörg, assignors.)

General Aniline Works, Inc. (See Eckert, W., and Schilling, assignors.)

General Aniline Works, Inc. (See Lange, Werner, assignor.)

General Auto Parts Corporation. (See Rockwell, Edward A., assignor.)

General Electric Company. (See Alterthum, H., and Lompe, assignors.)

General Electric Company. (See Anderson, R. G., Ahnell, and Goldsmith, assignors.)

General Electric Company. (See Auger, C. H., and Puffer, assignors.)

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bennett, Frank S., assignor.)

General Electric Company. (See Brüche, Ernst, assignor.)

General Electric Company. (See Darley, William G., assignor.)

General Electric Company. (See De Reamer, Frank C., assignor.)

General Electric Company. (See Donovan, J. F., and Malloy, assignors.)

General Electric Company. (See Dorgelo, E. G., Elenbaas, and Lemmens, assignors.)

General Electric Company. (See Elenbaas, W., Jones, and van Wyk, assignors.)
General Electric Company. (See Ewest, H., Krefft, and Larché, assignors.)
General Electric Company. (See Fairbrother, Jack A. V., assignor.)
General Electric Company. (See Francis, V. J., and Ryde, assignors.)
General Electric Company. (See Friedrich, Ernst, assignor.)
General Electric Company. (See Hänlein, W., Hagen, and Krefft, assignors.)
General Electric Company. (See Holst, Gilles, assignor.)
General Electrick Company. (See Jancke, H., and Rompe, assignors.)
General Electric Company. (See Krämer, Werner, assignor.)
General Electric Company. (See Maas, Arnold, assignor.)
General Electric Company. (See Martin, Samuel, Jr., assignor.)
General Electric Company. (See Mathes, Günther, assignor.)
General Electric Company. (See Milner, Christoper J., assignor.)
General Electric Company. (See Morey, Arthur H., assignor.)
General Electric Company. (See Navias, Louis, assignor.)
General Electric Company. (See Newman, Delbert F., assignor.)
General Electric Company. (See Pirani, M., and Wolff, assignors.)
General Electric Company. (See Rompe, Robert, assignor.)
General Electric Company. (See Sadacca, Henri, assignor.)
General Electric Company. (See Sambleson, Robert F., assignor.)
General Electric Company. (See Scott, William J., assignor.)
General Electric Company. (See Sittel, Alfred, assignor.)
General Electric Company. (See Trencham, Henry, assignor.)
General Electric Company. (See Tritle, John F., assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Electric Company. (See White, A. J., and Johnson, assignors.)
General Electric Company Limited, The. (See Macfarlane, George T., assignor.)
General Electric Vapor Lamp Company. (See Johnson, Lyman B., assignor.)
General Electric Vapor Lamp Company. (See Kelting, Richard C., assignor.)
General Motors Corporation. (See Barr, H. F., and Ridgeway, assignors.)
General Motors Corporation. (See Chase, Theron P., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Harada, Henry H., assignor.)
General Motors Corporation. (See Herndon, Walter B., assignor.)
General Motors Corporation. (See McDougal, T. G., Fessler, and Barlett, assignors.)
General Motors Corporation. (See McDougal, T. G., Fessler, and Schwartzwalder, assignors.)
General Motors Corporation. (See McKinley, Charles W., assignor.)
General Motors Corporation. (See Underwood, Arthur F., assignor.)
General Motors Corporation. (See Waterbury, Ronald J., assignor.)
General Printed String Company. (See Mueller, Carl E., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Scientific Corporation. (See Kaspar, Frank, assignor.)
General Thermostat Corporation. (See Reingruber, Frank and J., assignors.)
Gerhard, Ernst, and W. Iberg, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra short wave circuit. 2,153,181; Apr. 4.
Getaz, James L., Maryville, Tenn. Yarn control means for circular knitting machines. 2,153,459; Apr. 4.
Gibson, Clyde M., Huntington, W. Va. Adjustable choke for shotguns. 2,153,246; Apr. 4.
Gifford-Wood Company. (See Sheldon, H. C., and Towne, assignors.)
Giles, Frederick K., Horney Common, England. Show card and the like. 2,153,460; Apr. 4.
Gilfillan, Paul M., Chicago, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio. Forming labels. 2,153,144; Apr. 4.
Gillett, Thomas R. (See Holven, A. L., and Gillett.)
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gilmore, Otto C., Van Nuys, Calif., assignor, by mesne assignments, to Cosmocolor Corporation, New York, N. Y. Projection device. 2,152,959; Apr. 4.
Gimmelli, Anthony, Waterbury, Conn. Convertible storm sash and window screen. 2,153,145; Apr. 4.
Gleason, Anthony H. (See Buc, H. E., and Gleason.)
Glidden Company, The. (See Harper, Walter J., assignor.)
Gluckin, William, New York, N. Y. Brassière. 2,152,629; Apr. 4.
Goddard, Ralph K. (See Fett, F. C., and Goddard.)
Goettsche, Ruth K., et al. (See Grison, Joseph, assignor.)
Goetz, Maurus T., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Tape controlled apparatus. 2,152,641; Apr. 4.
Goff, Leonard D., and R. O. Monroe, assignors to The Johnson Corporation, Three Rivers, Mich. Condensate return system. 2,153,117; Apr. 4.
Gold, Herman, assignor to Breakstone Bros., Inc., New York, N. Y. Closure means for paper cups. 2,153,041; Apr. 4.
Goldsmith, Townsend R. (See Anderson, R. G., Ahnell, and Goldsmith.)
Goodale, Harold R., Bristol, Conn. Play shelter. 2,153,081; Apr. 4.
Gooden, Willis A., Beverly, Ohio. Attachment for grain binders. 2,153,461; Apr. 4.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodrich, B. F., Company, The. (See Dodge, Howard M., assignor.)
Goodrich, B. F., Company, The. (See Matthews, A. T., and Cadden, assignors.)
Gormley, Clarence H., assignor of one-half to G. A. Rickus, Farmington, Mo. Spark arrester. 2,152,760; Apr. 4.
Government of the United States, represented by the Secretary of Commerce. (See Phelps, Francis P., assignor.)
Grange, Edward A., A. F. Kaptuller, and E. J. Schmidt, assignors to Allied Engineering Company, Chicago, Ill. Wheel. 2,152,684; Apr. 4.
Grange, Edward A., and E. J. Schmidt, assignors to Allied Engineering Company, Chicago, Ill. Wheel. 2,152,685; Apr. 4.
Grant, John E. P., Swarthmore, Pa. Switch-actuating mechanism. 2,153,462; Apr. 4.
Graves, Mark S., Los Angeles, Calif. Brake control device. 2,152,686; Apr. 4.
Gray, Alvin E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,153,182; Apr. 4.
Gray, Edward, Detroit, Mich. Articulated railway truck. 2,152,799; Apr. 4.
Gray, Martin V., San Francisco, assignor of one-half to W. E. Schendel, Burlingame, Calif. Garment hanger. 2,152,884; Apr. 4.
Graziano, Sam F., and S. J. Cicero, Tampa, Fla. Brake adjuster. 2,153,042; Apr. 4.
Greenawalt, William E., Denver, Colo. Ore roasting furnace. 2,152,687; Apr. 4.
Greer, Edward R. (See Behrens, H. J., Bemis, Greer, and Morrison.)
Gresham, William F., Alton, assignor to Western Cartridge Company, East Alton, Ill. Control mechanism. 2,152,800; Apr. 4.
Grill, Harry E., Willoughby, and H. H. Feldstein, assignors to The Kilby Manufacturing Company, Cleveland, Ohio. Sugar crystallizing apparatus. 2,153,082; Apr. 4.
Grison, Joseph, Braintree, Mass., assignor of seven-eightieths to P. J. Ansel, three-eightieths to M. E. Ansel, one-twentieth to F. J. Barnum and C. A. Dolbier, one-fortieth to J. J. Logan, one-twentieth to H. B. Logan, one-one-hundredth to L. R. Andrus, three-fortieths to C. C. Wright and C. W. Wright, and one-fortieth to R. K. Goettsche, New York, N. Y. Automatic fire detector, alarm, and extinguisher. 2,152,761; Apr. 4.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,153,083; Apr. 4.
Grosse, Aristid V. (See Morrell, J. C., and Grosse.)
Grover, Charles L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Index plate for boring and milling machines. 2,153,463; Apr. 4.
Gruber, John, New York, N. Y. Shoe. 2,153,304; Apr. 4.
Grunig, Bernhard C., Chicago, Ill. Coin slide. 2,153,183; Apr. 4.
Guenst, William, Philadelphia, Pa. Etching machine. 2,152,688; Apr. 4.
Guibrandsen, Trygve, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole fitting machine. 2,152,735; Apr. 4.
Gumkowski, John, assignor of one-half to M. Shannon, Johnston City, Ill. Car coupling. 2,153,305; Apr. 4.
Guthrie, John M., Grantwood, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing reflective aluminum surfaces. 2,153,060; Apr. 4.
Gutkowski, John I., Jersey City, N. J. Emergency brake control. 2,153,506; Apr. 4.
Zetzsche, Walther, E. Stix, and H. Faber, Premnitz, and M. O. Schürman, Dormager, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing crimped artificial fibers from cuprammonia cellulose solutions. 2,153,031; Apr. 4.

H. B. Motor Corporation. (See Harper, William, Jr., assignor.)
Haag, Johannes, Neunkirchen, Saar, Germany. Supporting plate for chill molds. 2,153,464; Apr. 4.
Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Seal construction. 2,153,418; Apr. 4.
Hackman, James R., Wilmington, Del. Vibration device. 2,152,689; Apr. 4.
Hagen, John A., Passaic, N. J., assignor to Kaysam Corporation of America, Dover, Del. Manufacture of hollow articles of rubber. 2,153,184; Apr. 4.
Hagen, Wilhelm. (See Hänlein, W., Hagen, and Krefft.)
Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,153,518; Apr. 4.
Hall, Arthur S. (See Bell, Samuel J., assignor.)
Hamilton, William S. H., Larchmont, N. Y., assignor to The New York Central Railroad Company. Electric light and power system. 2,153,247; Apr. 4.
Hamlin, Walter E., assignor to The Cleveland Shopping News Company, Cleveland, Ohio. Printing machinery. 2,152,736; Apr. 4.
Hana, Thomas C., Flushing, N. Y., assignor to Magnetic Analysis Corporation. Magnetic testing. 2,152,690; Apr. 4.
Handforth, Stanley L. (See Burrows, L. A., and Handforth.)
Hanks, Frederick W., Cleveland, Ohio. Fluid meter construction. 2,153,061; Apr. 4.
Hänlein, Walter, Berlin-Spandau, W. Hagen, Berlin, and H. Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,152,994; Apr. 4.
Hanson, William G., et al., executors. (See Dowdy, C. R., and Doepke.)
Hanusch, Fritz. (See Dirscherl, W., and Hanusch.)
Harada, Henry H., Flint, assignor to General Motors Corporation, Detroit, Mich. Ratchet mechanism. 2,153,084; Apr. 4.
Harbers, William J., assignor to American Engineering Company, Philadelphia, Pa. Refrigerating apparatus. 2,152,691; Apr. 4.
Hardenberg, Jan J. (See Schoonenberg, P. J., and Hardenberg.)
Hardt, William G., Chicago, Ill. Air humidifier for internal combustion engines. 2,153,248; Apr. 4.
Hardy, John L., assignor to Hardy, Spicer & Co. Limited, Birmingham, England. Flexible transmission coupling. 2,153,465; Apr. 4.
Hardy, John L., assignor to Hardy, Spicer & Co. Limited, Birmingham, England. Flexible transmission coupling. 2,153,466; Apr. 4.
Hardy, Spicer & Co. Limited. (See Hardy, John L., assignor.)
Harlan, Avery S., Detroit, Mich., and V. S. Crane and P. R. Honan, near Lebanon, Boone County, assignors to Honan-Crane, Inc., Lebanon, Ind. Apparatus for refining oil. 2,153,062; Apr. 4.
Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making the piperidine salt of pentamethylene-dithio-carbamic acid. 2,153,043; Apr. 4.
Harper, Walter J., Lakewood, assignor to The Glidden Company, Cleveland, Ohio. Treatment of tung oil. 2,152,642; Apr. 4.
Harper, William, Jr., Port Washington, assignor to H. B. Motor Corporation, New York, N. Y. Piston for internal combustion engines. 2,153,501; Apr. 4.
Harrington, Alfred L., Rossiyn Farms, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plate glass surfacing table. 2,152,801; Apr. 4.
Harris, Ford W., Los Angeles, Calif. Pumping mechanism. 2,152,802; Apr. 4.
Harris Textile Machinery Corporation. (See Harris, Thomas, assignor.)
Harris, Thomas, Providence, R. I., assignor to Harris Textile Machinery Corporation. Tensioning device for drafting machines. 2,153,118; Apr. 4.
Harrison, Laurence S., Hartsdale, assignor to International Business Machines Corporation, New York, N. Y. Elapsed time printer. 2,153,185; Apr. 4.
Hartmann, Max, Riehen, H. Ensslin, Basel, and L. Panizzon, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of cyclohexanols. 2,152,960; Apr. 4.
Harwood, James E., Jr., Memphis, Tenn. Vacuum sealed container. 2,152,643; Apr. 4.
Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)
Hatters' Fur Exchange, Inc., The. (See Frenkel, Leo, assignor.)
Hauke, Charles R., assignor to National Metallurgical Laboratory, Royal Oak, Mich. Recovering precious metals. 2,153,467; Apr. 4.
Hawkins, Irving J., assignor of one-half to C. Hochbaum, St. Paul, Minn. Bull's-eye target. 2,152,803; Apr. 4.
Hays, James L., Seminole, Okla. Truck for moving buildings. 2,152,804; Apr. 4.
Hays, William W., assignor of twenty percent to A. W. Lilly, Greenville, Tex. Illuminated display device. 2,152,844; Apr. 4.
Hays, William W., assignor of twenty percent to A. W. Lilly, Greenville, Tex. Sign. 2,152,845; Apr. 4.
Hecker Products Corporation. (See Burkhart, W. H., and Marceau, assignors.)
Heider, Henry J., Carroll, Iowa. Ladder construction. 2,152,846; Apr. 4.
Helm, Bertha, administratrix. (See Helm, Eric, and Wolk.)
Helm, Eric, deceased, and J. Wolk, Waterbury, Conn.; B. Helm, administratrix of said E. Helm. Thumbtack package. 2,152,847; Apr. 4.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,152,848; Apr. 4.
Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Step. 2,153,017; Apr. 4.
Henderson, Charles L., Appleton, assignor to Paper Patents Company, Neenah, Wis. Scanning machine. 2,153,186; Apr. 4.
Hennessy, Daniel E., Petersham, assignor to Lewis-Shepard Company, Watertown, Mass. Elevating truck. 2,152,849; Apr. 4.
Hennessy, Daniel E., Petersham, assignor to Lewis-Shepard Company, Watertown, Mass. Multiple lift elevating truck. 2,152,850; Apr. 4.
Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 2,153,249; Apr. 4.
Hensler, Bernard A., assignor to Siemens Brothers & Company Limited, London, England. Telephone system. 2,153,306; Apr. 4.
Herbert, Robert B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Automatic control for tabulating machines. 2,153,187; Apr. 4.
Hereford, Gerald P., Ferguson, Mo. Card rack. 2,152,692; Apr. 4.
Herndon, Walter B., assignor to General Motors Corporation, Detroit, Mich. Transmission interlock. 2,153,085; Apr. 4.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Posture chair. 2,153,327; Apr. 4.
Hess, Raymond W., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of sulphur dyes. 2,152,693; Apr. 4.
Heyn, Ernest A., Los Angeles, Calif. Load distributing, auxiliary power, duo semi-trailer tractor. 2,153,468; Apr. 4.
Heyna, Hans, and P. Jörg, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, New York, N. Y. Disazo dyestuffs insoluble in water and fiber dyed therewith. 2,153,018; Apr. 4.
Hickman, Kenneth C. D., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y. High vacuum pump. 2,153,189; Apr. 4.
Hickman, Kenneth C. D., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Cathode support for electrolytic units. 2,153,188; Apr. 4.
Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 2,152,885; Apr. 4.
Hiser, Homer E., Decatur, Ill. Straw buncher. 2,152,644; Apr. 4.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gas range. 2,153,086; Apr. 4.
Hochbaum, Caroline. (See Hawkins, Irving J., assignor.)
Hoe, R., & Co. (See Boaz, Arthur R., assignor.)
Hoffman, Harley W., Akron, Ohio. Combined blower and powder spraying device. 2,153,419; Apr. 4.
Hoffmann, Kurt, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Motion picture projector. 2,143,328; Apr. 4.
Hoffmann, Ludwig, Berlin-Hermsdorf, assignor to Gustav Schwarz Kommanditgesellschaft, Berlin, Germany. Air propeller. 2,152,805; Apr. 4.
Hohf, John P. (See Sherrard, E. C., Beglinger, Hohf, and Bateman.)
Holden, John W. W., Providence, R. I. Hair foundation roll. 2,152,737; Apr. 4.
Holden, William H. T. (See Bachelet, A. E., and Holden.)
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillator. 2,153,190; Apr. 4.
Holmes, Edward W., assignor to E. R. Moore Company, Chicago, Ill. Cap. 2,153,146; Apr. 4.
Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Rib knitting machine. 2,153,019; Apr. 4.
Holst, Gilles, Eindhoven, Netherlands, assignor to General Electric Company. Glow discharge device. 2,152,995; Apr. 4.
Holven, Alfred L., and T. R. Gillett, Crockett, Calif. Photoelectric color measuring and analyzing apparatus. 2,152,645; Apr. 4.
Honan-Crane, Inc. (See Harlan, A. S., Crane, and Honan, assignors.)
Honan, Paul R. (See Harlan, A. S., Crane, and Honan.)
Hoover, Charles E., assignor of one-half to O. P. Tiemenn and one-half to E. W. Rolley, Bloomington, Ill. Hardwood flooring. 2,152,694; Apr. 4.
Horning, Samuel C. (See Denslow, R. R., Erskine, and Horning.)
Hornschuch, Hanns, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Control mechanism. 2,152,695; Apr. 4.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Window clearing system. 2,153,519; Apr. 4.

Hosmer, Frank F., Glendale, Calif. Two-speed bicycle transmission. 2,152,886; Apr. 4.
Hosmer, Frank F., Glendale, Calif. Can opener. 2,152,887; Apr. 4.
Houde Engineering Corporation. (See Perkins, Charles E., assignor.)
Howe, Emery D., Coldwater, Mich. Fishing reel. 2,153,250; Apr. 4.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,153,520; Apr. 4.
Howse, Curtis L. (See Thomas, W. P., Howse, Brelsford, and Bowers.)
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation. Refrigerating apparatus. 2,153,371; Apr. 4.
Hubbard, William, Dolgeville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel press and pressing heels. 2,152,646; Apr. 4.
Hubbell, Harvey, Jr., Bridgeport, Conn. Electrical receptacle. 2,152,647; Apr. 4.
Huck, William F., Richmond Hill, N. Y. Railway track lubricating device. 2,152,696; Apr. 4.
Hudson, Alexander A., deceased; G. Hudson, executrix, assignor to B. J. McCashen, Cincinnati, Ohio. Shuttle-cock. 2,153,251; Apr. 4.
Hudson, Georgiana, executrix. (See Hudson, Alexander A.)
Humby, Albert M., North Petherton, Bridgwater, England. Telegraph signaling apparatus. 2,152,961; Apr. 4.
Hume, James P. (See Rheem, Richard S., assignor.)
Humoco Corporation. (See Moore, George A., assignor.)
Humphrey, George T., Dallas, Tex. Straight lift pumping apparatus. 2,152,762; Apr. 4.
Hungate, James B., Newburgh, and H. A. Strassweg, Evansville, Ind. Automatic drag scraper. 2,152,888; Apr. 4.
Hunsdorf, William P., Cleveland, Ohio. Variable speed electrical apparatus and control therefor. 2,153,252; Apr. 4.
Hurston, Maxwell, Washington, D. C. Needle adapter. 2,153,253; Apr. 4.
Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Package insert adaptable for the mounting of fine filamentous thread in annular package form. 2,153,420; Apr. 4.
Hyde, John R., assignor of one-tenth to W. Bold, Pittsburgh, Pa. Automatic hydraulic clutch. 2,153,372; Apr. 4.
I. G. Farbenindustrie Aktiengesellschaft. (See Zetzsche, W., Stix, Faber, and Schürman, assignors.)
Ice, James N., assignor to P. H. Michel, Wheeling, W. Va. Self-threading coupling unit. 2,152,962; Apr. 4.
Ilberg, Waldemar. (See Gerhard, E., and Ilberg.)
Imperial Chemical Industries Limited. (See Tatum, William W., assignor.)
Imperial Paper and Color Corporation. (See Van Wirt, A. E., Aylies, and Jones, assignors.)
Imperial Tobacco Company (of Great Britain & Ireland) Limited, The. (See Kersey, Lemuel R., assignor.)
Impervious Varnish Company. (See Snelling, Robert J., assignor.)
Independent Pneumatic Tool Co. (See Nash, William W., assignor.)
Independent Pneumatic Tool Co. (See Schindel, John, assignor.)
Indge, Herbert S., Westboro, and A. G. Belden, assignors to Norton Company, Worcester, Mass. Lapping device, apparatus and method. 2,153,521; Apr. 4.
India Rubber, Gutta Percha and Telegraph Works Company Limited, The. (See Tarris, Frederick J., assignor.)
Industrial Rayon Corporation. (See Kline, Hayden B., assignor.)
Infants Socks, Inc. (See Longtin, W. J., and Saussaman, assignors.)
Ingalls, William, Bedford, Ind. Drain trap. 2,153,373; Apr. 4.
Ingersoll-Rand Company. (See Hornschuch, Hanns, assignor.)
Innovation Brakes, Inc. (See Shelor, Frederick L., Jr., assignor.)
International Business Machines Corporation. (See Bryce, J. W., and Daly, assignors.)
International Business Machines Corporation. (See Ecker, William E., assignor.)
International Business Machines Corporation. (See Fitch, Clyde J., assignor.)
International Business Machines Corporation. (See Fuller, F. L., and Daly, assignors.)
International Business Machines Corporation. (See Gray, Alvin E., assignor.)
International Business Machines Corporation. (See Harrison, Laurence S., assignor.)
International Business Machines Corporation. (See Herbert, Robert B., assignor.)
International Business Machines Corporation. (See Juriga, Anton, assignor.)
International Business Machines Corporation. (See Lang, William, assignor.)
International Business Machines Corporation. (See Lemmon, W. S., Fitch, and Walz, assignors.)
International Business Machines Corporation. (See Nichols, Harry J., assignor.)
International Business Machines Corporation. (See Rabenda, Edward J., assignor.)
International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)
Irwin, Herbert G., Amarillo, Tex. Wind power machine. 2,152,963; Apr. 4.
James, Cyril H. (See Ricks, F. Boothroyd, and James.)
James Mfg. Co. (See Olson, John B., assignor.)
Jameson, Clarence W., Lombard, assignor to Atlas-Ometer Co., Chicago, Ill. Enclosed arc lamp. 2,152,763; Apr. 4.
Jancke, Hans, and R. Rompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,152,996; Apr. 4.
Janline Tile Company. (See Jansen, Henry, assignor.)
Jansen, Henry, assignor to Janline Tile Company, Inc., Chicago, Ill. Tile making machine. 2,153,307; Apr. 4.
Jarnak, Niels P. R., Hillerod, Denmark. Earcap for telephone receivers. 2,153,044; Apr. 4.
Jedrychowski, Jerzy, assignor to Panstwowe Zaklady Tele-i Radjotechniczne W. Warszawie, Warsaw, Poland. Telephone system. 2,152,889; Apr. 4.
Jeffrey, Benjamin A., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Method of and apparatus for molding materials. 2,152,738; Apr. 4.
Jessen, Arnold H., Los Angeles, Calif. Variable speed power transmission device. 2,152,739; Apr. 4.
Jessup, William R., Minneapolis, Minn. Float switch. 2,153,421; Apr. 4.
Johansen, Hans, Mantua, Ohio. Shock absorber. 2,152,740; Apr. 4.
Johns-Manville Corporation. (See Voigt, Paul A., assignor.)
Johnson Bronze Company. (See Sandler, Louis, assignor.)
Johnson Corporation, The. (See Goff, L. D., and Monroe, assignors.)
Johnson, Lyman B., East Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge lamp. 2,152,997; Apr. 4.
Johnson, Percy J. (See White, A. J., and Johnson.)
Johnston, Mordica O., and C. W. Savitz, Glendale, Calif.; said Savitz assignor to said Johnston. Method and means of measuring fluid flow. 2,153,254; Apr. 4.
Jonas, Gottfried B. (See Elenbaas, W., Jonas, and van Wyk.)
Jones, George F. (See Van Wirt, A. E., Aylies, and Jones.)
Jones, W. Bartlett, Chicago, Ill. Plant container covering. 2,152,648; Apr. 4.
Jones, W. Bartlett, assignor, by mesne assignments, to Consolidated Carton Inc., Chicago, Ill. Cellular carton and structure therefor. 2,152,649; Apr. 4.
Jörg, Paul. (See Heyna, H., and Jörg.)
Jump, Willard H. (See Page, J. W., and Jump.)
Juriga, Anton, Kothen, Germany, assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,153,191; Apr. 4.
Jutson, Robert P., Halesite, N. Y., and J. L. Larew, South Amboy, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier line power supply. 2,153,329; Apr. 4.
Kahn, David, Inc. (See Weisser, Karl, assignor.)
Kahn, Julius, and W. F. Schulz, Youngstown, assignors to Republic Steel Corporation, Cleveland, Ohio. Roofing structure. 2,153,119; Apr. 4.
Kalman, Nicholas L., Cambridge, Mass. Cativic acid esters and preparing them. 2,152,741; Apr. 4.
Kalman, Nicholas L., Cambridge, Mass. Oxygen derivatives of cativic acid and preparing them. 2,152,742; Apr. 4.
Kalman, Nicholas L., Cambridge, Mass. Cativic acid and preparing it. 2,152,743; Apr. 4.
Kalman, Nicholas L., Cambridge, Mass. Insoluble metal cativates and making them. 2,152,744; Apr. 4.
Kantor, Samuel T., assignor to American Foil Corporation, New York, N. Y. Making decorative materials. 2,153,374; Apr. 4.
Kaptuller, Alexander F. (See Grange, E. A., Kaptuller, and Schmidt.)
Kaspar, Frank, Cicero, assignor to General Scientific Corporation, Chicago, Ill. Electrode mounting for neon tubes. 2,153,375; Apr. 4.
Kaysam Corporation of America. (See Hagen, John A., assignor.)
Kearney, James R., Corporation. (See Boothe, Eugene F., assignor.)
Kelting, Richard C., North Arlington, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Circuit for gaseous electric discharge devices. 2,152,998; Apr. 4.
Kern, Walter, Sissach, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of hydrocarbons of high molecular weight and making same. 2,152,964; Apr. 4.
Kersey, Lemuel R., assignor to The Imperial Tobacco Company (of Great Britain & Ireland) Limited, Richmond, Va. Apparatus and method for cleaning tobacco. 2,152,965; Apr. 4.
Kershaw, Arthur G., and K. H. Leech, assignors to Westinghouse Brake & Signal Company, Limited, London, England. Automatic slack adjuster. 2,152,806; Apr. 4.

Kleweg, Homer, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of nitroparaffins. 2,153,063; Apr. 4.
Kilborn, Lawrence, Bronz, assignor to A. Sellaro, New York, N. Y. Emergency ignition unit. 2,152,650; Apr. 4.
Kilby Manufacturing Company, The. (See Grill, H. E., and Feldstein, assignors.)
Killefer Manufacturing Corporation. (See Sjogren, O. W., and Mitchell, assignors.)
King, Kenneth L., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Controlling or keying arrangement. 2,152,764; Apr. 4.
Kingman, Russell B., Orange, assignor to Metal Textile Corporation, West Orange, N. J. Scouring and cleaning implement. 2,152,697; Apr. 4.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)
Kinzie, Phillip A., J. L. Savage, and M. E. Nantz, assignors to Universal Hydraulic Corporation, Denver, Colo. Hydraulic rotor operated butterfly valve. 2,152,651; Apr. 4.
Kipper, Herman B., Accord, Mass. Production of chlorinated unsaturated petroleum hydrocarbons. 2,152,890; Apr. 4.
Kite, Floyd E., and L. B. Broering, Los Angeles County, Calif., assignors, by mesne assignments, to Tru-Tred, Inc. Tire retreading apparatus. 2,152,765; Apr. 4.
Klass, Albert, Brooklyn, N. Y., assignor to Lloyd Manufacturing Corp. Bag construction. 2,152,745; Apr. 4.
Klein, Mathias, & Sons. (See Wilson, Harry B., assignor.)
Kline, Hayden B., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Film processing apparatus. 2,153,376; Apr. 4.
Kline, Lawrence J. (See Milz, H. E., and Kline.)
Klingsporn, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Arrangement for light intensity control. 2,152,807; Apr. 4.
Kludt, Jonathan, Detroit, Mich., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricant fitting. 2,153,330; Apr. 4.
Kluge, Abel and E., assignors to Brandtjen & Kluge, Inc., St. Paul, Minn. Printing press. 2,152,698; Apr. 4.
Kluge, Eneval. (See Kluge, Abel and E.)
Knapp, Howard S., Denver, Colo., assignor to American Telephone and Telegraph Company. Mold. 2,153,087; Apr. 4.
Knell, John, Aurora, Ill., assignor to All-Steel-Equip Company, Incorporated. Electric locker control. 2,153,088; Apr. 4.
Knott, Frank W., Detroit, Mich., assignor, by mesne assignments, to National Sanitary Butter Dispenser, Inc. Butter dispensing device. 2,153,255; Apr. 4.
Köhnke, Johan F., Haarlem, Netherlands. Pipe support. 2,152,891; Apr. 4.
Koontz, Richard E., assignor to National Standard Company, Niles, Mich. Control circuit. 2,153,192; Apr. 4.
Kooperativa Förbundet Forenning u. p. a. (See Dahlberg, Tord O. R., assignor.)
Kosar, John. (See Fleisch, J. R., and Kosar.)
Kosar, John G., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Non-tamperable package and parts thereof. 2,153,428; Apr. 4.
Kovensky, Max, Miami, Fla. Electric baking iron. 2,153,256; Apr. 4.
Krämer, Werner, Berlin-Karlshorst, Germany, assignor to General Electric Company. Direct current measurement means. 2,153,377; Apr. 4.
Krämer, Werner, Berlin-Karlshorst, Germany, assignor to General Electric Company. Current responsive arrangement. 2,153,378; Apr. 4.
Krauss, Wilhelm. (See Scheuing, G., and Krauss.)
Krefft, Hermann. (See Ewest, H., Krefft, and Larché.)
Krefft, Hermann. (See Hänlein, W., Hagen, and Krefft.)
Kroman, Julius, Minneapolis, Minn. Display rack. 2,153,422; Apr. 4.
Kübler, Carl, Berlin, Germany. Mounting an adding and subtracting device on slide rules. 2,153,089; Apr. 4.
Kuchley, Josef. (See Langer, M., Wochinger, and Kuchley.)
Kudrna, William E., Bunnell, Fla. Wagon. 2,153,257; Apr. 4.
Kuester, John, and F. A. Beck, Menasha, Wis. Heating or cooling system. 2,152,699; Apr. 4.
Kunz, Alfons, Fuzfo, assignor to Nitrokémia Ipartelepek Részvénytarsaság, Budapest, Hungary. Preparation of gunpowder by means of an acetone and alcohol solvent mixture. 2,153,331; Apr. 4.
Kupetz, Adolph G., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,152,892; Apr. 4.
Kurth, Matthew G., Madison, Wis. Making helical packing rings. 2,152,893; Apr. 4.
Kusman, George W., Poland, Ohio. Clothespin. 2,153,045; Apr. 4.
Kutchka, Karl G., Wilkinsburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Furnace port construction. 2,152,808; Apr. 4.
Kuykendall, William C. (See Gauthey, L. A., and Kuykendall.)
Lane, Joseph H., assignor to Cavalier Corporation, Chattanooga, Tenn. Combined tie rack and drawer. 2,153,258; Apr. 4.
Lang, Homer V., Charlotte, N. C. Apparatus for treating yarn. 2,153,046; Apr. 4.
Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Record card feeding mechanism. 2,153,193; Apr. 4.
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Metalliferous azo dyes. 2,152,652; Apr. 4.
Lange, Werner, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Metalliferous azo dyes. 2,153,531; Apr. 4.
Langer, Max, Berlin-Hermsdorf, E. Wochinger, Berlin, and J. Kuchley, Berlin-Siemensstadt, assignors to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,153,323; Apr. 4.
Langlois, Mary E., Lyons, N. Y. Transparent section waver. 2,152,894; Apr. 4.
Lapointe Machine Tool Company, The. (See West, Donald H., assignor.)
Larché, Kurt. (See Ewest H., Krefft, and Larché.)
Larew, Joel L. (See Jutson, R. P., and Larew.)
Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of glycolic acid. 2,153,064; Apr. 4.
Le Bleu, Charles, Los Angeles, Calif. Heavy duty scraper. 2,152,700; Apr. 4.
Lecher, Hans Z., Plainfield, and M. Scalera, Somerville, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Solution of alkali metal salts of polynuclear phenols. 2,152,851; Apr. 4.
Leech, Kenneth H. (See Kershaw, A. G., and Leech.)
Leeds and Northrup Company. (See Wunsch, Felix, assignor.)
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Lefier Patent Company. (See Ruinnet, Yves, assignor.)
Leibing Automotive Devices, Inc. (See Leibing, William E., assignor.)
Leibing, William E., assignor to Leibing Automotive Devices, Inc., Detroit, Mich. Governor. 2,153,048; Apr. 4.
Leibing, William E., Sausalito, assignor to Leibing Automotive Devices, Inc., San Francisco, Calif. Governor. 2,153,047; Apr. 4.
Leiter, Harry H. (See Ford, Claude H., assignor.)
Lemmens, Hendricus J. (See Dorgelo, E. G., Elenbaas, and Lemmens.)
Lemmon, Walter S., New York, C. J. Fitch, Endicott, and R. F. Walz, assignors to International Business Machines Corporation, New York, N. Y. System of coding and decoding. 2,153,194; Apr. 4.
Levan, John F., assignor to Excel Curtain Company, Elkhart, Ind. Door construction for shower bath cabinets. 2,152,746; Apr. 4.
Levy, Edward. (See McFarlane, E. C., and Levy.)
Lewin, William H., New York, N. Y. Sewing mechanism. 2,152,766; Apr. 4.
Lewis, Murrey, New York, N. Y. Safety holder for cigars and cigarettes. 2,153,332; Apr. 4.
Lewis-Shepard Company. (See Hennessy, Daniel E., assignor.)
Libbe, Alfred, assignor to Société Anonyme "Transformateurs de Mesure E. Walter", Gentilly, France. Electric transformer for high tension. 2,153,090; Apr. 4.
Libbey Glass Company. (See Schneider, H. W., and Lowndes, assignors.)
Liebmann, Gerhard, Berlin, Germany. Producing finely divided metallic layers. 2,152,809; Apr. 4.
Liebrecht, Ilse, born Boehringer, et al. (See Scheuing, G., and Krauss, assignors.)
Lilja, Edgar D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Control for electric circuits. 2,153,195; Apr. 4.
Lilly, Arthur W. (See Hays, William W., assignor.)
Limited Company. (See Rais, Josef, assignor.)
Lincoln Engineering Company. (See Kludt, Jonathan, assignor.)
Lincoln, Paul M., and R. R. Sprole, Ithaca, N. Y.; said Sprole assignor to said Lincoln. Thermal demand meter. 2,153,091; Apr. 4.
Lincoln, Paul M., and R. R. Sprole, Ithaca, N. Y.; said Sprole assignor to said Lincoln. Thermal electric meter. 2,153,092; Apr. 4.
Lindgren, Hans O., Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal separator. 2,152,966; Apr. 4.
Lintern, Alfred R., Detroit, Mich., assignor to Evans Products Company. Vehicle ventilating and signal unit. 2,153,147; Apr. 4.
Lloyd Manufacturing Corp. (See Klass, Albert, assignor.)
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of glycolic acid. 2,152,852; Apr. 4.
Logan, Harriette B., et al. (See Grison, Joseph, assignor.)
Logan, J., Joseph, et al. (See Grison, Joseph, assignor.)
Lompe, Arved. (See Alterthum, H., and Lompe.)
Longtin, Raymond A., Bennington, Vt. Stabilizer for ladders. 2,152,895; Apr. 4.

Longtin, William J., and W. A. Saussaman, assignors to Infants Socks, Inc., Reading, Pa. Hosiery. 2,153,423; Apr. 4.
Lowey, Roy E., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,153,333; Apr. 4.
Lowey, Roy E., Evanston, assignor to Container Corporation of America, Chicago, Ill. Basket. 2,153,334; Apr. 4.
Lowndes, Edward R. (See Schneider, H. W., and Lowndes.)
Lubri-Zol Development Corporation. (See Prutton, Carl F., assignor.)
Lucas, Paul, Berlin-Friedenau, assignor to Ehrich & Graetz Aktien-Gesellschaft, Berlin, Germany. Device for feeding liquid fuel. 2,153,379; Apr. 4.
Ludlow, Edmund, and E. C. Booth, assignors to Noblitt-sparks Industries, Inc., Columbus, Ind. Automobile body heater. 2,153,120; Apr. 4.
Lurk, Hans J. (See Töpfer, H., and Lurk.)
Lux Clock Manufacturing Company, The. (See Lux, Frederick, assignor.)
Lux, Frederick, assignor to The Lux Clock Manufacturing Company, Waterbury, Conn. Fastening means. 2,153,148; Apr. 4.
Lyon, George A., Allenhurst, N. J. Mounting ornamental accessories on steering wheels. 2,153,380; Apr. 4.
Maas, Arnold, Berlin-Tegel, Germany, assignor to General Electric Company. Hydraulic control mechanism. 2,153,381; Apr. 4.
Macfarlane, George T., Northwood, assignor of one-half to The General Electric Company Limited, London, England. Winch gear for hauling, cargo working, and like purposes. 2,153,469; Apr. 4.
MacHarg, John B., Appleton, Wis., assignor to Eastman Kodak Company, Rochester, N. Y. Lantern slide. 2,153,149; Apr. 4.
MacRae, William L., assignor to Dalrae Tools Company, Syracuse, N. Y. Position indicator for machine tools. 2,153,424; Apr. 4.
Maddock, Thomas, Phoenix, Ariz. Structure. 2,152,896;
Madore, Arthur H., Los Angeles, Calif. Magnet clip. 2,152,897; Apr. 4.
Madore, Arthur H., San Leandro, Calif. Hair cutting and shaping implement. 2,152,898; Apr. 4.
Magee, Walter V., Lakewood, and L. L. Miller, Cleveland, Ohio, assignors to The American Steel and Wire Company. Universal coupling. 2,153,093; Apr. 4.
Magnetic Analysis Corporation. (See Hanu, Thomas C., assignor.)
Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Pumping apparatus. 2,153,094; Apr. 4.
Maiuri, Guido, London, England. Diffusion refrigerating machine. 2,153,020; Apr. 4.
Mallory, P. R., & Co. (See Newman, Kennard, assignor.)
Mallory, P. R., & Co. (See Schimkus, Kurt E., assignor.)
Malloy, Frank J. (See Donovan, J. F., and Malloy.)
Maloon, Earl B., South Pasadena, assignor to Southwest Welding and Manufacturing Co., Inc., Alhambra, Calif. Carry type scraper. 2,152,899; Apr. 4.
Mann, Matthew D., Jr., Roselle, N. J., assignor to Standard Oil Development Company. Immiscible liquid countercurrent method and apparatus. 2,153,507; Apr. 4.
Manning, F. W., Company. (See Manning, Fred W., assignor.)
Manning, Fred W., Altadena, assignor to F. W. Manning Company, Ltd., Los Angeles, Calif. Countercurrent fabric filtration. 2,152,900; Apr. 4.
Manning, Fred W., Altadena, assignor to F. W. Manning Company, Ltd., Los Angeles, Calif. Continuous depth filtration. 2,152,902; Apr. 4.
Manning, Fred W., Pasadena, assignor to F. W. Manning Company, Ltd., Los Angeles, Calif. Making filter fabric. 2,152,901; Apr. 4.
Manning, Frederick A., London, England. Securing means. 2,153,259; Apr. 4.
Mansell, Irving V., Bridgeport, Conn. Luminous tube sign. 2,152,653; Apr. 4.
Mansfield, Warren M., Glendale, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Counterbalance for oil pumping apparatus. 2,152,701; Apr. 4.
Mansfield, Warren M., Glendale, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Pivoted counterbalance for oil pumping apparatus. 2,152,702; Apr. 4.
Manville Jenckes Corporation. (See Booth, Robert B., assignor.)
Marathon Paper Mills Company. (See Morris, Elmer C., assignor.)
Marceau, Eugene T. (See Burkhart, W. H., and Marceau.)
Marchbank, John, assignor to Frederick Braby & Company Limited, Glasgow, Scotland. Hinged ventilator of the hopper type. 2,153,508; Apr. 4.
Margolin, Meyer, Elgin, Ill. Inner sole having resilient insert. 2,153,021; Apr. 4.
Marino, Anthony, Somerville, Mass. Extensible console table. 2,152,703; Apr. 4.
Martin, James W., Yonkers, N. Y. Refrigerating apparatus. 2,152,967; Apr. 4.
Martin, Jerome, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Vapor phase nitration of the lower alkanes. 2,153,065; Apr. 4.
Martin, Michael A., Erie, Pa. Refrigerating unit. 2,153,335; Apr. 4.
Martin, Ralph D., Washington, D. C. Game. 2,152,747; Apr. 4.
Martin, Samuel, Jr., Verona, N. J., assignor to General Electric Company. Zone heating system. 2,153,382; Apr. 4.
Martins, Borge, Copenhagen, Denmark. Spring unit. 2,153,196; Apr. 4.
Martter, Joseph F. and P. F., Los Angeles, Calif. Container. 2,153,263; Apr. 4.
Martter, Perry F. (See Martter, Joseph F. and P. F.)
Massonneau, Robert F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric switch. 2,152,704; Apr. 4.
Mastini, Domenico, Rome, Italy. Radio receiver combined with coin collector boxes. 2,152,903; Apr. 4.
Mathes, Günther, Berlin-Siemensstadt, assignor to General Electric Company. Electromagnetic rail brake. 2,153,383; Apr. 4.
Matthews, Albert T., Thomaston, Ga., and C. C. Cadden, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus sensitive to atmospheric conditions. 2,153,425; Apr. 4.
Maxon, Glenway, Jr., Milwaukee, Wis. Traction mechanism. 2,152,654; Apr. 4.
Mayer, Richard. (See Burt, C. E., and Mayer.)
Mayers, Horace C. (See Montgomery, Leon F., assignor.)
Mayl, Edward, Suitland, Md. Golf tee. 2,153,260; Apr. 4.
Mazer, Louis, New York, N. Y. Combination brooch and dress clip. 2,153,022; Apr. 4.
Mazza, Joseph, Des Moines, Iowa. Football practice device. 2,153,384; Apr. 4.
McAfee, William M., Richmond, Va., assignor of one-half to Federal-Mogul Corporation, Detroit, Mich. Work holder for grinding machines. 2,153,261; Apr. 4.
McCabe, Ira E., Chicago, Ill. Control system for stokers. 2,153,197; Apr. 4.
McCashen, B. J. (See Hudson, Alexander A., assignor.)
McDougal, Taine G., A. H. Fessler, and H. B. Barlett, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug insulator. 2,152,655; Apr. 4.
McDougal, Taine G., A. H. Fessler, and K. Schwartzwalder, Flint, assignors to General Motors Corporation, Detroit, Mich. Insulator for spark plugs. 2,152,656; Apr. 4.
McFall, Thurlow E., assignor to Michigan Artcraft Company, Sparta, Mich. Extension table. 2,153,262; Apr. 4.
McFarlane, Edwin C., Pearl River, and E. Levy, assignors to McLevy Valve Co. Inc., New York, N. Y. Rotary plug valve. 2,152,810; Apr. 4.
McKinley, Charles W., Flint, assignor to General Motors Corporation, Detroit, Mich. Glare shield. 2,153,095; Apr. 4.
McKnight, George, Chicago, Ill. Spray gun. 2,152,767; Apr. 4.
McLevy Valve Co. Inc. (See McFarlane, E. C., and Levy, assignors.)
McNally, James G. (See Dickey, J. B., and McNally.)
McNamara, William L., and J. Errett, Connellsville, Pa., assignors, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealed package and parts thereof. 2,153,426; Apr. 4.
McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Synchronization indicator for internal combustion engines. 2,153,264; Apr. 4.
McNeil, Charles I., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 2,153,470; Apr. 4.
McNeil, Inez I., San Francisco, Calif. Lettering guide or the like. 2,152,904; Apr. 4.
Measuregraph Company, The. (See Aeschbach, Walter E., assignor.)
Mechanical Handling Systems, Inc. (See Bishop, Leonard J., assignor.)
Medford, Walter H., Brooklyn, N. Y. Typographical machine. 2,153,150; Apr. 4.
Meeks, Robert E., Gatesville, Tex. Oven heat regulator. 2,153,265; Apr. 4.
Meinzer, Gotthold H., Glendale, Calif. Recovering gold from its ores. 2,152,748; Apr. 4.
Mekler, Lev A., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,152,905; Apr. 4.
Mercury Manufacturing Company, The. (See Milz, H. E., and Kline, assignors.)
Metal Textile Corporation. (See Kingman, Russell B., assignor.)
Metals & Controls Corporation. (See Butler, Benjamin J., assignor.)
Metz, Peter P. (See Dailey, C. O., and Metz.)
Meyer, Edwin L. (See Belknap, W. L., and Meyer.)
Meyer, Gustav A. J. (See Priesmeyer, Charles, assignor.)
Michal, James, assignor to Storkline Furniture Corporation, Chicago, Ill. Foot well for baby carriages. 2,153,471; Apr. 4.
Michel, Paul H. (See Ice, James N., assignor.)
Michell, Anthony G. M., Melbourne, Victoria, Australia. Internal combustion engine. 2,152,811; Apr. 4.
Michigan Artcraft Company. (See McFall, Thurlow E., assignor.)

Mickelson, Alfred O., Chicago, and A. J. Duael, Lombard, Ill. Coupler. 2,153,096; Apr. 4.
Midland Steel Products Company, The. (See Wallace, R. H., and Riemenschneider, assignors.)
Mihalyi, Joseph, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Range and view finder system for cameras. 2,153,198; Apr. 4.
Millan, Edward N., and E. G. Schlup, assignors to The American Rolling Mill Company, Middletown, Ohio. Adjustment of speed-load characteristics of mill motors. 2,153,429; Apr. 4.
Miller, Charles H., Shaker Heights, assignor to Universal Sewer Pipe Company, Cleveland, Ohio. Coping. 2,153,308; Apr. 4.
Miller, George E., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Dipper trip control. 2,152,907; Apr. 4.
Miller, Harry G., Kansas City, Mo. Band saw guide. 2,152,906; Apr. 4.
Miller, Louis L. (See Magee, W. V., and Miller.)
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller, Thomas S., Rome, N. Y. Tank filling device. 2,153,199; Apr. 4.
Milner, Christopher J., Rugby, England, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,152,999; Apr. 4.
Milz, Harold E., Chicago, and L. J. Kline, La Grange, assignors to The Mercury Manufacturing Company, Chicago, Ill. Vehicle coupling. 2,153,309; Apr. 4.
Minneapolis-Honeywell Regulator Company. (See Fisher, George H., assignor.)
Minogue, Roland E., Manitowoc, Wis. Kiln construction. 2,153,385; Apr. 4.
Minshall, Robert J., and E. C. Wells, assignors to Boeing Aircraft Company, Seattle, Wash. Retractable hydrostabilizer for airplanes. 2,153,266; Apr. 4.
Mitchell, Rollie H. (See Sjogren, O. W., and Mitchell.)
Money, Roland H., Cincinnati, Ohio, assignor to The Crosley Corporation. Making float valve and heat interchange mechanisms. 2,152,812; Apr. 4.
Monge, John, Staunton, Ill. Cushion for bathtubs. 2,152,968; Apr. 4.
Monroe, Rollo O. (See Goff, L. D., and Monroe.)
Monsanto Chemical Company. (See Harman, Marion W., assignor.)
Monsanto Chemical Company. (See Wilson, William S., assignor.)
Montgomery, Leon F., Portland, Ind., assignor of one-half to H. C. Mayers, Rocky River, Ohio. Sole for shoes. 2,152,657; Apr. 4.
Moore, E. R., Company. (See Holmes, Edward W., assignor.)
Moore, Garnett V. (See Coleman, G. H., and Moore.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Applying and regulating pressures. 2,152,813; Apr. 4.
Moorhouse, Alfred, Detroit, Mich. Tappet. 2,153,097; Apr. 4.
Moran, Robert C. (See Berger, H. G., Moran, and Seger.)
Morella, Frank, assignor of one-fourth to H. C. Bennalack, Milwaukee, Wis. Speed changing mechanism. 2,153,151; Apr. 4.
Morey, Arthur H., Erie, Pa., assignor to General Electric Company. Dynamo-electric machine. 2,153,386; Apr. 4.
Morgen, Sigurd P., assignor to The American Hardware Corporation, New Britain, Conn. Door check. 2,152,814; Apr. 4.
Morrell, Jacque C., and A. V. Grosse, assignors to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,152,908; Apr. 4.
Morris, Elmer C., Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis. Napkin dispenser. 2,153,472; Apr. 4.
Morris Packaging Equipment Company. (See Ness, Edward F., assignor.)
Morris Paper Mills. (See Powell, Henry K., assignor.)
Morrison, Andrew E. (See Behrens, H. J., Bemis, Greer, and Morrison.)
Morse, Clark T., assignor to American Blower Corporation, Detroit, Mich. Air conditioning apparatus. 2,153,267; Apr. 4.
Mortimer, Harry E., St. Louis, Mo. Adjustable blind. 2,152,705; Apr. 4.
Mott, Maurice W., Red Creek, N. Y. Door structure for silos. 2,153,473; Apr. 4.
Mougey, Wilbur E., Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shielding for electrical circuits. 2,152,706; Apr. 4.
Mucher, George J., assignor to Clarostat Manufacturing Co. Inc., Brooklyn, N. Y. Resistance. 2,153,152; Apr. 4.
Mueller, Carl E., assignor to General Printed String Company, Milwaukee, Wis. Spool snubber. 2,152,909; Apr. 4.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,152,815; Apr. 4.
Murphy, Arthur R., deceased, by M. R. Murphy, Penns Grove, N. J., administratrix, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Diazo compounds. 2,153,200; Apr. 4.
Murphy, Arthur R., deceased, by M. R. Murphy, Penns Grove, N. J., administratrix, and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fast polyazo dyes. 2,153,201; Apr. 4.
Murphy, Margaret R., administratrix. (See Murphy, A. R., and Rossander.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Musselman, John M., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricating composition. 2,153,121; Apr. 4.
Myers, David M., Larchmont, N. Y. Measuring means. 2,152,768; Apr. 4.
Myers, Victor A., Lakewood, Ohio, assignor to National Carbon Company, Inc. Brush for electrical machinery. 2,153,049; Apr. 4.
Myers, William E., York, and W. F. Schwartz, Springgarden Township, York County, Pa., assignors to American Chain & Cable Company, Inc. Chain fastener. 2,153,003; Apr. 4.
Myrberg, Sven O., Providence, R. I., assignor to Providence Stock Company. Extension device. 2,152,749; Apr. 4.
N. V. Maatschappij tot Exploitatie van Uitvindingen. (See Schoonenberg, P. J., and Hardenberg, assignors.)
N. V. Philips' Gloeilampenfabrieken. (See van der Mark, Jan, assignor.)
Nantz, Merle E. (See Kinzie, P. A., Savage, and Nantz.)
Nash, William W., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Balancer. 2,152,969; Apr. 4.
National Aniline & Chemical Company. (See Hess, Raymond W., assignor.)
National Bearings Metals Corporation. (See Vigne, A., and Cox, assignors.)
National Carbon Company. (See Myers, Victor A., assignor.)
National Fin-Mix Corporation. (See Fuller, James G., assignor.)
National Metallurgical Laboratory. (See Hauke, Charles R., assignor.)
National Sanitary Butter Dispenser, Inc. (See Knott, Frank W., assignor.)
National Standard Company. (See Koontz, Richard E., assignor.)
National Tube Company. (See Rearic, Norman F., assignor.)
Navias, Louis, Schenectady, N. Y., assignor to General Electric Company. Ceramic body. 2,153,000; Apr. 4.
Naylor, Ira, and B. Yost, Winegars, Mich. Polish rod clamp. 2,153,474; Apr. 4.
Neighbors, Glen H., Shreveport, La. Well tool. 2,153,268; Apr. 4.
Nelson, George T., Lebanon, Tenn. Foot for expansion joint setting apparatus. 2,153,475; Apr. 4.
Nelson, John B., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter rebound stop. 2,153,153; Apr. 4.
Nemoede, Paul A., Louisville, Ky., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,152,911; Apr. 4.
Nesbitt, Francis G. (See Crane, C. J., and Nesbitt.)
Ness, Edward F., assignor to Morris Packaging Equipment Company, Toledo, Ohio. Print feeding mechanism for wrapping and packaging machines. 2,152,970; Apr. 4.
Newby, Neal D., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,152,769; Apr. 4.
New Jersey Machine Corporation. (See Squiller, Samuel, assignor.)
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
Newman, Claude, assignor to American Seal Company, Lincoln, Nebr. Package seal and label. 2,153,310; Apr. 4.
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Resilient mounting. 2,153,387; Apr. 4.
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Making resilient mountings for machines. 2,153,388; Apr. 4.
Newman, Kennard, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Switch index mechanism. 2,153,430; Apr. 4.
New York Central Railroad Company, The. (See Dreyfuss, Henry, assignor.)
New York Central Railroad Company, The. (See Hamilton, William S. H., assignor.)
Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,153,203; Apr. 4.
Nichols, Harry J., Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Electrical filter. 2,153,202; Apr. 4.
Nichols, Otto M., Baxter Springs, Kans., assignor of one-half to W. R. Feemster, Chicago, Ill. Automatic collar-attaching necktie. 2,153,066; Apr. 4.
Nicoll, Frederick H., Ickenham, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Cathode ray tube. 2,153,269; Apr. 4.
Nitrokémia Ipartelepek Részvénytársaság. (See Kunz, Alfons, assignor.)

Nitti, Anthony C., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Inhibiting the alkaline corrosion of tin containers. 2,252,658; Apr. 4.
Nitti, Anthony C., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Inhibiting the alkaline corrosion of tin containers. 2,152,659; Apr. 4.
Nivison, Wade S., and J. R. Putlock, New York, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographically recording documents. 2,153,154; Apr. 4.
Noblitt-Sparks Industries, Inc. (See Ludlow, E., and Booth, assignors.)
Norman, Hallett N., Rockville, Conn. Grinding machine. 2,153,476; Apr. 4.
Normington, James B. (See Dickey, J. B., and Normington.)
Norton Company. (See Indge, H. S., and Belden, assignors.)
Oakes, Fulton D., Jamaica Plain, Mass. Brushing attachment for knitting machines. 2,152,912; Apr. 4.
Ocenasek, William F., assignor to Walker-Turner Company, Inc., Plainfield, N. J. Apparatus for bench grinding long blades. 2,153,502; Apr. 4.
Offen, Bernard, Chicago, Ill. Drying method and apparatus. 2,152,770; Apr. 4.
Officer, Wesley J., Hampden, and O. T. Wood, assignors to Blake Manufacturing Corporation, Clinton, Mass. Flashlight. 2,153,336; Apr. 4.
Oil Well Supply Company. (See Maier, August R., assignor.)
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper arm. 2,153,522; Apr. 4.
Oliver, Thomas C., Jackson Heights, Long Island, assignor to Chemical Construction Corporation, New York, N. Y. Recovery of sulphur from petroleum. 2,153,337; Apr. 4.
Olson, Axel, Parshall, N. Dak. Wire fence. 2,152,816; Apr. 4.
Olson, John B., assignor to James Mfg. Co., Fort Atkinson, Wis. Ironclad door. 2,153,204; Apr. 4.
Olson, Stanley, Chicago, Ill. Locking mechanism for accordions. 2,153,477; Apr. 4.
Ormsby, Donald D., assignor to Clark Equipment Company, Buchanan, Mich. Two-speed rear axle. 2,152,771; Apr. 4.
Orr, John A., Chicago, Ill. Ground vase. 2,152,707; Apr. 4.
Osberg, Stone C., Poland, Ohio. Rod trimming device. 2,153,431; Apr. 4.
Osgood, Arthur B., Minneapolis, Minn. Dust collector. 2,253,270; April 4.
Oswego Falls Corporation. (See Wilcox, Isaac L., assignor.)
Owen, Samuel A., and E. P. Watt, Albuquerque, N. Mex. Gear transmission. 2,153,478; Apr. 4.
Owens, Henry, & Company. (See Scholz, Rudolph C., assignor.)
Owens-Illinois Glass Company. (See Wellnitz, Bernard, assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packer, Eben R., New Rochelle, N. Y., assignor to The Rails Company, New Haven, Conn. Spring rail grip. 2,152,853; Apr. 4.
Padelford, Lester E., North Arlington, and J. J. Ambrose, assignors to Savory Appliance, Inc., Newark, N. J. Toasting machine. 2,152,913; Apr. 4.
Page, John W., and W. H. Jump, assignors to Stubnitz-Greene Spring Corporation, Adrian, Mich. Seat. 2,153,155; Apr. 4.
Paine & Williams Company, The. (See Eudy, Harrison, assignor.)
Palmer Brothers Company, The. (See Rothchild, David, assignor.)
Panizzon, Leandro. (See Hartmann, M., Ensslin, and Panizzon.)
Panstwowe Zaklady Tele-i Radjotechniczne W. Warszawie. (See Jedrychowski, Jerzy, assignor.)
Paper Patents Company. (See Henderson, Charles L., assignor.)
Park, Charles W., Bolinas, Calif., assignor to Radio Corporation of America. Tuning arrangement. 2,153,205; Apr. 4.
Parkins, Virgil, Tiffin, Ohio. Fish lure. 2,152,971; Apr. 4.
Partlow Corporation, The. (See Clark, James K., assignor.)
Pasternack, Richard, Brooklyn, N. Y., and P. P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y. Preparing 2-keto-aldonic acids and their salts. 2,153,311; Apr. 4.
Pastrick, Michael A., Perth Amboy, N. J. Toggle switch. 2,153,479; Apr. 4.
Pateras Pescara, R., Paris, France. Auto compressor. 2,152,972; Apr. 4.
Pathé Cinéma Anciens Etablissements Pathé Freres. (See Cazes, Paul G., assignor.)
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,152,660; Apr. 4.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,152,661; Apr. 4.
Paton, Clyde R., Birmingham, Mich., assignor, by mesne assignments, to R. C. Watson and J. Bailey, Jr., trustees, Washington, D. C. Motor vehicle. 2,153,271; Apr. 4.
Pattee, Corinthia, San Francisco, Calif. Mop. 2,153,023; Apr. 4.
Pease, Wendel, Chicago, Ill. Latch. 2,153,206; Apr. 4.
Pellar, Sidney H., Chicago, Ill. Conveyer. 2,153,098; Apr. 4.
Perkins, Charles E., assignor to Houde Engineering Corporation, Buffalo, N. Y. Railway car sway control mechanism. 2,153,389; Apr. 4.
Perkins, Melvin A., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of isodibenzanthrone. 2,153,312; Apr. 4.
Petty, Edward L., assignor to Continental Car-Na-Var Corporation, Brazil, Ind. Rotary brush. 2,153,207; Apr. 4.
Pfaffle, George P., Akron, Ohio. Stocking drying form. 2,153,050; Apr. 4.
Pfannschmidt, Rudolf, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,153,313; Apr. 4.
Pfizer, Charles, & Company. (See Pasternack, R., and Regna, assignors.)
Phelps, Francis P., Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce. Preparing ribrose. 2,152,662; Apr. 4.
Phillips, Harold P., Webster Groves, Mo., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston skirt expander. 2,153,338; Apr. 4.
Phoebus Corporation. (See Smardo, Frank, assignor.)
Pierce, John R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave receiver. 2,153,051; Apr. 4.
Pierce, Raymond C., Chicago, Ill., assignor to J. W. Bullock, Memphis, Tenn. Parking meter. 2,153,480; Apr. 4.
Pierson, Allen C., Berryville, Va. Geometrical device. 2,152,750; Apr. 4.
Pirani, Marcello, Berlin-Wilmersdorf, and H. Wolff, Zeuthen, Germany, assignors to General Electric Company. Leading-in wire for electric devices. 2,153,390; Apr. 4.
Pitts, Frederick B. (See Bookout, A. C., and Pitts.)
Pittsburgh Plate Glass Company. (See Harrington, Alfred L., assignor.)
Pittsburgh Plate Glass Company. (See Kutchka, Karl G., assignor.)
Poeppelmeier, Frank H., assignor to Dayton Type, Incorporated, Dayton, Ohio. Typesetting machine. 2,152,854; Apr. 4.
Polinow, Charles F., assignor to Vestal Chemical Company, St. Louis, Mo. Fluid dispensing apparatus. 2,153,156; Apr. 4.
Ponselle, Robert A., New York, N. Y. Bumper. 2,153,481; Apr. 4.
Postma, Frank, Ridgewood, N. J. Abrading liner. 2,153,272; Apr. 4.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Apparatus for forming window openings in traveling webs. 2,152,708; Apr. 4.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Translating repeater. 2,152,772; Apr. 4.
Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Container construction. 2,153,122; Apr. 4.
Price, Earl R. (See Price, Harold W. and E. R.)
Price, Harold W. and E. R., assignors to Bendix Products Corporation, South Bend, Ind. Gear shifter. 2,152,914; Apr. 4.
Price, W. N. (See Roberts, G. J., and (Edmonds, assignor).)
Priesmeyer, Charles, Park Ridge, assignor to G. A. J. Meyer, Chicago, Ill. Solderless badge plate and pin assembly. 2,153,157; Apr. 4.
Projansky, Henry, Revere, Mass. Cup holder. 2,153,391; Apr. 4.
Protecto Products Co. (See Shelley, James H., assignor.)
Providence Stock Company. (See Myrberg, Sven O., assignor.)
Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,153,482; Apr. 4.
Puffer, Samuel R. (See Auger, C. H., and Puffer.)
Pulidori, Palmiro, Florence, Italy. Atomizer for liquids in general and in particular for liquid fuels. 2,153,024; Apr. 4.
Pure Oil Company, The. (See Wagner, C. R., and Carr, assignors.)
Putlock, Joseph R. (See Nivison, W. S., and Putlock.)

Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone instrument. 2,152,915; Apr. 4.
Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone instrument. 2,152,916; Apr. 4.
Quisling, Sverre, Madison, Wis. Silicate-containing products and processes of making. 2,152,917; Apr. 4.
Rabe, Heinz, Berlin-Spandau, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Steam generator with forced passage of the operating medium. 2,153,001; Apr. 4.
Rabenda, Edward J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,153,208; Apr. 4.
Radio Corporation of America. (See Battermann, Ludwig A., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Diehl, W. F., and Schrader, assignors.)
Radio Corporation of America. (See Park, Charles W., assignor.)
Radio Corporation of America. (See Young, Arthur J., assignor.)
Radioaktiengesellschaft D. S. Loewe. (See Klingsporn, Kurt, assignor.)
Radioaktiengesellschaft D. S. Loewe. (See Schlesinger, Kurt, assignor.)
Radioaktiengesellschaft D. S. Loewe. (See Wienecke, Bruno, assignor.)
Rails Company, The. (See Packer, Eben R., assignor.)
Rais, Josef, Prague, assignor to the firm Limited Company, formerly the Skoda Works, Pilsen, Prague, Czechoslovakia. Packing ring for sealing the pistons and piston rods. 2,153,025; Apr. 4.
Randel, Bo F., San Diego, Calif. Refrigerating apparatus. 2,152,663; Apr. 4.
Rare Chemicals Inc. (See Dirscherl, W., and Hanusch, assignors.)
Rascher & Betzold, Inc. (See Betzold, Max F., assignor.)
Rathwell, Albert J., North Bay, Ontario, Canada. Smoke-controlled sprinkler. 2,152,973; Apr. 4.
Rearic, Norman F., Ellwood City, Pa., assignor to National Tube Company. Tag holder. 2,153,273; Apr. 4.
Reda Pump Company. (See Arutunoff, Armais, assignor.)
Reeves, Charles H., Denver, Colo., and J. W. Warden, El Paso, Tex. Float. 2,153,339; Apr. 4.
Regna, Peter P. (See Pasternack, R., and Regna.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,152,773; Apr. 4.
Reich, Otto, assignor of one-half to J. Vignati, Vienna, Austria. Lighter. 2,153,432; Apr. 4.
Reid, Charles S., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Carton. 2,153,340; Apr. 4.
Reingruber, Frank and J., Toronto, Ontario, Canada, assignors to General Thermostat Corporation, New York, N. Y. Switch for electric irons. 2,153,503; Apr. 4.
Reingruber, Josep. (See Reingruber, Frank and J.)
Reis, Curt F., Chicago, Ill. Magneto-electric machine. 2,152,918; Apr. 4.
Renault, Louis. (See Saives, Léon, assignor.)
Republic Steel Corporation. (See Kahn, J., and Schulz, assignors.)
Research Corporation. (See Williams, Robert R., assignor.)
Resinous Products & Chemical Company, The. (See Cheetham, H. C., and Evers, assignors.)
Reusch, Hans, Pforzheim, Germany. Multiple lead pencil. 2,152,817; Apr. 4.
Reuteler, Edward G. (See Brandt, E. J., Reuteler, and Barganz.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain & Cable Company, Inc. Chain fastener. 2,153,002; Apr. 4.
Reynolds Spring Company. (See Currie, Otis C., assignor.)
Rheem, Richard S., Oakland, Calif., assignor, by mesne assignments, to J. P. Hume, Chicago, Ill. Bung fitting. 2,152,919; Apr. 4.
Rheinmetall-Borsig Aktiengesellschaft. (See Blomerius, Robert, assignor.)
Richter, Emil F., Philadelphia, Pa. Catapult. 2,153,315; Apr. 4.
Richter, Emil F., assignor to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa. Full-fashioned knitting machine. 2,153,314; Apr. 4.
Rickus, George A. (See Gormley, Clarence H., assignor.)
Ricks, Fred H. Boothroyd, and C. H. James, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 2,152,855; Apr. 4.
Ridgway, Joseph W. (See Barr, H. F., and Ridgway.)
Riemenschneider, Ernest. (See Wallace, R. H., and Riemenschneider.)
Ringius, John K., San Francisco, Calif. Dust collector. 2,153,026; Apr. 4.
Ristau, Ernest, Davenport, Iowa. Harvester attachment. 2,152,920; Apr. 4.
Riviere, Henri, assignor to Compagnie des Avions Hanriot, Paris, France. Aerodynamic flap for slotted wings for aircraft. 2,152,974; Apr. 4.
Roberts, Gerald J., Quanah, and W. H. Edmonds, Goodlett, Tex.; said Edmonds assignor to W. N. Price. Wind operated electric generator. 2,153,523; Apr. 4.
Robertson, Robert R., Chicago, Ill. Road traffic lane divider. 2,153,392; Apr. 4.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Road seal. 2,153,393; Apr. 4.
Robertson, Robert R., Chicago, assignor to The Translode Joint Company, Chicago Heights, Ill. Transverse road joint. 2,153,394; Apr. 4.
Robinette, Willard C., Pasadena, Calif. Apparatus for making motion pictures. 2,152,921; Apr. 4.
Robinson, James, London, England. Wireless signaling apparatus. 2,153,274; Apr. 4.
Robinson, Wallace W., Portland, Maine. Zonal hemorrhage-checking compression plate. 2,152,922; Apr. 4.
Rockwell, Edward A., Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation. Power transmitting apparatus and control therefor. 2,153,509; Apr. 4.
Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Societe Anonyme: Etablissements Ed-Jaeger, Levallois-Perret, France. Clock, so-called mysterious small clock. 2,153,004; Apr. 4.
Rodger Ballast Car Company. (See Hindahl, David, assignor.)
Rodwin, George, Randall Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio broadcasting system. 2,153,052; Apr. 4.
Rogers, Frank L. (See Cassiere, Alphonse T., assignor.)
Röhm & Haas Company. (See Andrews, C. E., and Spence, assignors.)
Röhm & Haas Company. (See Bauer, Walter, assignor.)
Röhm & Haas Company. (See Willaman, J. J., Diehm, and Clark, assignors.)
Roliey, Elias W., et al. (See Hoover, Charles E., assignor.)
Romanik, Bill, Millville, N. J. Headlight shade. 2,153,100; Apr. 4.
Rompe, Robert. (See Jancke, H., and Rompe.)
Rompe, Robert, Berlin, Germany, assignor to General Electric Company. Gaseous electric discharge lamp. 2,153,005; Apr. 4.
Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Relaxation circuit arrangement. 2,153,158; Apr. 4.
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Ropp, Chester A., assignor to Williams Oil-O-Matic Heating Corporaton, Bloomington, Ill. Step-by-step movement for dispensing apparatus. 2,152,818; Apr. 4.
Rose, Alfred G., Gainsborough, assignor to Rose Bros. (Gainsborough) Limited, Gainsborough, Lincolnshire, England. Wrapping machine. 2,153,483; Apr. 4.
Rose Bros. (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Roseman, Leo, Newark, N. J. Sewing machine for producing superposed stitches. 2,153,006; Apr. 4.
Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Clutch mechanism. 2,153,007; Apr. 4.
Rosenthal, Henry, New York, N. Y. Oil treating process. 2,152,664; Apr. 4.
Rosenthal, Henry, New York, N. Y. Oil extraction. 2,152,665; Apr. 4.
Rosenthal, Henry, New York, N. Y. Separation of oils. 2,152,666; Apr. 4.
Rosenthal, Henry, New York, N. Y. Extracting animal oils. 2,152,667; Apr. 4.
Ross, King, Jackson Heights, Long Island, N. Y. Subdued melody phonograph and accompaniment record. 2,153,027; Apr. 4.
Rossander, Swanie S. (See Murphy, A. R., and Rossander.)
Rotary Snow Plow Company. (See Behrens, H. J., Bemis, Greer, and Morrison, assignors.)
Rothchild, David, New York, N. Y., assignor to The Palmer Brothers Company, New London, Conn. Sewing machine. 2,152,819; Apr. 4.
Rothelius, Bertil. (See Dahlström, R., and Rothelius.)
Rouse, John H., assignor to S. A. Sollie, Los Angeles, Calif. Mechanical sound record in film. 2,153,529; Apr. 4.
Ruck, George, assignor to Columbia Steel Equipment Company, Philadelphia, Pa. Sway divider for vertical filing receptacles. 2,153,123; Apr. 4.
Ruff, Wolfram. (See Wehmeier, H., and Ruff.)
Ruffino, Peter, Brooklyn, N. Y. Brake lining. 2,153,341; Apr. 4.
Ruinnet, Yves, Neuilly, France, assignor to Lefier Patent Company, Inc. Pattern control mechanism. 2,153,342; Apr. 4.
Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Tobacco stemming machine construction. 2,152,668; Apr. 4.
Ruscher, Ernest W., New York, N. Y. Gas meter manifold. 2,153,343; Apr. 4.
Russell, Robert C., Shaker Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Wheel brake. 2,152,923; Apr. 4.
Rutenber, Bradley A., Milwaukee, Wis. Cooking utensil. 2,152,924; Apr. 4.
Ryde, John W. (See Francis, V. J., and Ryde.)
Ryerson & Haynes, Inc. (See Schmidt, Frank W., assignor.)

S & S Corrugated Paper Machinery Co. (See Ungar, Gustave A., assignor.)
Sadacca, Henri, New York, N. Y., assignor to General Electric Company. Decorative shield for lamps. 2,153,395; Apr. 4.
St. Dennis, Roy W., Millbrook, N. Y. Convertible row-boat and tent. 2,153,282; Apr. 4.
Saives, Léon, assignor to L. Renault, Billancourt, France. Elastic wing assemblage. 2,153,099; Apr. 4.
Sambleson, Robert F., Bridgeport, Conn., assignor to General Electric Company. Slow break switch. 2,153,396; Apr. 4.
Sandler, Louis, assignor to Johnson Bronze Company, New Castle, Pa. Machinable sinter bearing. 2,153,397; Apr. 4.
Sanford, Roy S., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Hose coupling. 2,152,975; Apr. 4.
Saraga, Ernest, Bucharest, Rumania. Manufacture of transparent flexible sheets. 2,152,925; Apr. 4.
Saussaman, Walter A. (See Longtin, W. J., and Saussaman.)
Savage, John L. (See Kinzie, P. A., Savage, and Nantz.)
Savitz, Christian W. (See Johnston, M. O., and Savitz.)
Savory Appliance, Inc. (See Padelford, L. E., and Ambrose, assignors.)
Sawtell, Henry D. (See Bagnell, Edgar W., assignor.)
Scace, Steven E. and W. B., Chicago, Ill. Display apparatus. 2,153,346; Apr. 4.
Scace, William B. (See Scace, Steven E. and W. B.)
Scalera, Mario. (See Lecher, H. Z., and Scalera.)
Schaefer, Adolph O., assignor to Atlantic Service Company Inc., Brooklyn, N. Y. Drive adapter for machines. 2,153,433; Apr. 4.
Schanzer, Felix, Berlin, Germany. Bearing. 2,153,028; Apr. 4.
Schariau, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Method of and means for reducing disturbances. 2,153,209; Apr. 4.
Schatman, Joseph. (See Fader, W., and Schatman.)
Schemmel, Robert C., Union City, Ind. Composite fabric body such as channel runway, finishing welt, and the like. 2,153,484; Apr. 4.
Schenck, Charles, Coopersburg, Pa., assignor to Bethlehem Steel Company. Paving plate. 2,153,347; Apr. 4.
Schendel, Wm. E. (See Gray, Martin V., assignor.)
Schenk, Walter D., Cleveland, Ohio. Cribbing. 2,152,926; Apr. 4.
Scheuing, Georg, and W. Krauss, assignors to E. Boehringer, I. Liebrecht (born Boehringer), and A. Boehringer, trading under the firm: C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Racemization of optically active compounds. 2,152,976; Apr. 4.
Schilling, Karl. (See Eckert, W., and Schilling.)
Schimkus, Kurt E., Chicago, Ill., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind. Rectifier. 2,153,434; Apr. 4.
Schindel, John, Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Automatic lock nut. 2,152,977; Apr. 4.
Schisler, Arthur W., Webster Groves, Mo. Gas generator. 2,152,978; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Braun tube. 2,152,820; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Cathode ray tube apparatus. 2,152,821; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Relaxation oscillation for interlaced scanning. 2,152,822; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Coupling transformer. 2,152,823; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Filter amplifier for television synchronization. 2,152,824; Apr. 4.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Braun tube. 2,152,825; Apr. 4.
Schlup, Ernest G. (See Millan, E. N., and Schlup.)
Schmidt, Erwin J. (See Grange, E. A., Kaptuller, and Schmidt.)
Schmidt, Erwin J. (See Grange, E. A., and Schmidt.)
Schmidt, Frank W., assignor to Ryerson & Haynes, Inc., Jackson, Mich. Making ratchet bars. 2,153,524; Apr. 4.
Schneider, Henry W., and E. R. Lowndes, Toledo, Ohio, assignors to Libbey Glass Company. Multicolor stenciling apparatus. 2,153,435; Apr. 4.
Scholz, Rudolph C., assignor to Henry Owens & Company, Inc., Providence, R. I. Trapping or cutting device for use in twisting, winding, spinning, doubling, or like machines. 2,153,436; Apr. 4.
Schoonenberg, Pancras J., and J. J. Hardenberg, Eindhoven, assignors to N. V. Maatschappij tot Exploitatie van Uitvindingen, Rotterdam, Netherlands. Automatic glass blowing machine. 2,153,485; Apr. 4.
Schott, Lionel, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating and measuring circuits. 2,152,709; Apr. 4.
Schrader, Harold J. (See Diehl, W. F., and Schrader.)
Schubert, Alvin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film gate for enlarging printers. 2,153,159; Apr. 4.
Schultz, Harold K., Brooklyn, and W. F. Speagle, Berea, Ohio. Clothespin. 2,153,486; Apr. 4.
Schulz, Rudolf, Chemnitz-Siegmar, assignor to Biernatzki & Co., Chemnitz, Germany. Control device for machine tools. 2,153,101; Apr. 4.
Schulz, Walter F. (See Kahn, J., and Schulz.)
Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Dowel means for expansion joints. 2,152,751; Apr. 4.
Schulze, Ernest G., Jersey City, N. J. Machine for grinding or sharpening edge tools. 2,153,275; Apr. 4.
Schürman, Max O. (See Zetzsche, W., Stix, Faber, and Schürman.)
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Cutting tool. 2,153,124; Apr. 4.
Schwabach, Georg, Berlin-Charlottenburg, Germany. Device for removing ashes. 2,153,276; Apr. 4.
Schwaiger, Karl, Gaggenau-Baden, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Mechanism for absorbing torsional oscillations of shafts. 2,152,710; Apr. 4.)
Schwander, Erwin F., assignor to Société d'Etudes des Véhicules "Sev", Reichshoffen, France. Process and apparatus for regulating the feed of single tube boilers. 2,152,979; Apr. 4.
Schwartz, Nathan, New York, N. Y. Respirator. 2,153,437; Apr. 4.
Schwartz, William F. (See Myers, W. E., and Schwartz.)
Schwartzwalder, Karl. (See McDougal, T. G., Fessler, and Schwartzwalder.)
Schwarz, Gustav, Kommanditgesellschaft. (See Hoffmann, Ludwig, assignor.)
Scott, William J., Rugby, England, assignor to General Electric Company. Electric discharge lamp. 2,153,008; Apr. 4.
Scott, William J., Rugby, England, assignor to General Electric Company. Electric discharge lamp. 2,153,009; Apr. 4.
Seaver, Jay J., assignor to H. A. Brassert & Company, Chicago, Ill. Valve construction. 2,152,774; Apr. 4.
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Sherrard, E. C., Beglinger, Hohf, and Bateman, assignors.)
Seemel, Bruno E., Brooklyn, assignor to Automatic Coin-wrapping Machine Corporation, New York, N. Y. Predetermining mechanism for coin counting machines. 2,153,160; Apr. 4.
Seger, Francis M. (See Berger, H. G., Moran, and Seger.)
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,152,927; Apr. 4.
Sellaro, Angelo. (See Kilborn, Lawrence, assignor.)
Sellers, William, & Company. (See Grover, Charles L., assignor.)
Selliken, Julius E., Brooklyn, N. Y. Attached opener for containers. 2,153,344; Apr. 4.
Senyal, Francesc, New York, N. Y. Water sterilizing apparatus. 2,153,345; Apr. 4.
Shannon, Michael. (See Gumkowski, John, assignor.)
Shapiro, Abraham, Chicago, Ill. Rubbing wax composition. 2,153,161; Apr. 4.
Sharma, Jagan N., West Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Composition for coating fruits and vegetables. 2,153,487; Apr. 4.
Sharp, John M., Columbus, Ohio. Safety signaling means. 2,153,277; Apr. 4.
Shaulis, Edward E. (See Figg, L. J., Jr., and Shaulis.)
Sheldon, Henry C., Oak Park, and W. H. Towne, Wilmette, Ill., assignors to Gifford-Wood Company, Hudson, N. Y. Ice cubing machine. 2,153,438; Apr. 4.
Shell Development Company. (See Boerlage, Gerrit D., assignor.)
Shell Development Company. (See Eichwald, Egon, assignor.)
Shell Development Company. (See Yabroff, David L., assignor.)
Shell Development Company. (See Yabroff, D. L., and White, assignors.)
Shelley, James H., Los Angeles, Calif. Toilet seat cover dispenser. 2,153,279; Apr. 4.
Shelley, James H., Los Angeles, Calif., assignor, by mesne assignments, to Protecto Products Co., Inc. Towel dispensing holder. 2,153,278; Apr. 4.
Shelmar Products Company. (See Gilfillan, Paul M., assignor.)
Shelor, Frederick L., Sandston, assignor to Innovation Brakes, Inc., Richmond, Va. Braking device. 2,153,280; Apr. 4.
Shelor, Frederick L., Jr., Sandston, assignor to Innovation Brakes, Inc., Richmond, Va. Fluid pressure controlled brake device. 2,152,669; Apr. 4.
Sherrard, Earl C., E. Beglinger, J. P. Hohf, and E. Bateman, deceased (by W. T. Bateman, special administrator), Madison, Wis., assignors to H. A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office. Production of plastics. 2,153,316; Apr. 4.
Shutt, Richard S., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasterlike products. 2,152,670; Apr. 4.

Sieger, Joshua. (See Wikkenhauser, G., and Sieger.)
Siemens Brothers & Company Limited. (See Hensler, Bernard A., assignor.)
Siemens & Halske Aktiengesellschaft. (See Pfannschmidt, Rudolf, assignor.)
Siemens & Halske Aktiengesellschaft of Wernerwerk. (See Langer, M., Wochinger, and Kuchley, assignors.)
Siemens-Halske Aktiengesellschaft of Wernerwerk. (See Töpfer, H., and Lurk, assignors.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Rabe, Heinz, assignor.)
Sigo, Arthur T., Maywood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Recording apparatus. 2,153,317; Apr. 4.
Simonson, William F., Forest Hills, N. Y. Carbon pack. 2,153,210; Apr. 4.
Simplex Valve and Meter Company. (See Borden, Moro M., assignor.)
Sittel, Alfred, Fichtenau, Kreis Niederbarnim, Germany, assignor to General Electric Company. Electric lamp. 2,153,398; Apr. 4.
Sjogren, Oscar W., Huntington Park, and R. H. Mitchell, South Park, Calif., assignors, by mesne assignments, to Killefer Manufacturing Corporation. Disk harrow. 2,152,928; Apr. 4.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Controller for mine locomotives. 2,152,929; Apr. 4.
Slotta, Max A., Chicago, Ill. Screw-threading die and holder therefor. 2,152,711; Apr. 4.
Smardo, Frank, assignor to Phoebus Corporation, Chicago, Ill. Target device. 2,153,162; Apr. 4.
Smith, George A., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,152,671; Apr. 4.
Smith, Herbert J., Greenfield, Mass. Die stock and tap wrench. 2,153,054; Apr. 4.
Smith, James A., Seattle, Wash. Globe. 2,153,053; Apr. 4.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,152,930; Apr. 4.
Smith, Leonard C., Bakersfield, Calif. Safety latch. 2,153,102; Apr. 4.
Snelling, Robert J., Rochester, assignor to Impervious Varnish Company, Pittsburgh, Pa. Applying coatings to rubber, balata, and like articles, and articles produced thereby. 2,153,525; Apr. 4.
Snook, Homer C., Summit, N. J. Microscopy. 2,153,010; Apr. 4.
Sobel, David, Brooklyn, N. Y. Tie. 2,153,348; Apr. 4.
Societe Air Equipment Billancourt. (See Waseige, Charles R., assignor.)
Societe Anonyme: Etablissements Ed-Jaeger. (See Rodanet, Charles H., assignor.)
Société Anonyme "Transformateurs de Mesure E. Walter". (See Libbe, Alfred, assignor.)
Société d'Etudes des Véhicules "Sev". (See Schwander, Erwin F., assignor.)
Society of Chemical Industry in Basle. (See Hartmann, M., Ensslin, and Panizzon, assignors.)
Society of Chemical Industry in Basle. (See Kern, Walter, assignor.)
Socony-Vacuum Oil Company. (See Berger, H. G., Moran, and Seger, assignors.)
Sollie, S. A. (See Rouse, John H., assignor.)
Solomon, Nathan L., Brooklyn, N. Y. Hair curler. 2,152,672; Apr. 4.
Solomon, Nathan L., Brooklyn, N. Y. Hair roller. 2,152,673; Apr. 4.
Southwest Welding and Manufacturing Co. (See Maloon, Earl B., assignor.)
Spaeth, Otto L., Oakwood, assignor to Dayton Type, Incorporated, Dayton, Ohio. Compression quad for justifying lines of type. 2,152,752; Apr. 4.
Speagle, William F. (See Schultz, H. K., and Speagle.)
Spence, Le Roy U. (See Andrews, C. E., and Spence.)
Spencer, William M., Allentown, Pa., assignor, by mesne assignments, to Filatex Corporation, New York, N. Y. Article and producing the same. 2,152,826; Apr. 4.
Sperry-Sun Well Surveying Company. (See Smith, George A., assignor.)
Spray, Joseph H., Rutherford, N. J., assignor to United Research Corporation, Long Island City, N. Y. Composite printing of motion picture film. 2,153,211;
Spray, Joseph H., Rutherford, N. J., assignor to United Research Corporation, Burbank, Calif. Composite printing apparatus for motion picture film. 2,153,212; Apr. 4.
Sprole, Robert R. (See Lincoln, P. M., and Sprole.)
Spyker, Ephraim K., Sacramento, Calif. Outside window screen hanger. 2,153,281; Apr. 4.
Squibb, E. R., & Sons. (See Nitti, Anthony C., assignor.)
Squiller, Samuel, Pittsburgh, Pa., assignor to New Jersey Machine Corporation, Hoboken, N. J. Air blower. 2,153,349; Apr. 4.
Standard Oil Company, The. (See Burk, Robert E., assignor.)
Standard Oil Company, The. (See Musselman, John M., assignor.)
Standard Oil Development Company. (See Buc, H. E., and Gleason, assignors.)
Standard Oil Development Company. (See Mann, Matthew D., Jr., assignor.)
Standard Oil Development Company. (See Sweeney, William J., assignor.)
Standard Oil Development Company. (See Thomas, Robert M., assignor.)
Standard Railway Equipment Manufacturing Company. (See Bikle, William E., assignor.)
Standard Railway Equipment Manufacturing Company. (See Comee, Joseph F., assignor.)
Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)
Stein, Irwin G., Columbus, Ohio. Friction applying means for typographical machine assembler slides. 2,153,283; Apr. 4.
Steinberger, Alfred J., Jamaica, N. Y., assignor to Celanese Corporation of America. Textile article. 2,153,351; Apr. 4.
Steinberger, Alfred J., Jamaica, N. Y., assignor to Celanese Corporation of America. Wearing apparel. 2,153,352; Apr. 4.
Steiner, Frank, Hempstead, N. Y. Engine valve. 2,153,284; Apr. 4.
Steinthal, Augustus, New York, N. Y. Sample binder. 2,153,399; Apr. 4.
Stell, Herbert L., Cleveland, Ohio. Garment hanger. 2,153,439; Apr. 4.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Flue expander. 2,152,712; Apr. 4.
Stevens, Hayes C., Dormont, Pa. Copy holder. 2,153,103; Apr. 4.
Stewart, Alfred K., Yonkers, N. Y. Automobile trailer. 2,152,713; Apr. 4.
Stickdorn, Kurt, Rosslau, Anhalt, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany. Producing resinlike condensation products. 2,153,318; Apr. 4.
Stimac, Emil, Detroit, Mich. Auxiliary air intake for internal combustion engines. 2,153,350; Apr. 4.
Stix, Edmund. (See Zetzsche, W., Stix, Faber, and Schürman, assignors.)
Stokes and Smith Company. (See Stokes, John S., assignor.)
Stokes, John S., Huntingdon Valley, assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. System for making and/or wrapping boxes. 2,152,775; Apr. 4.
Storkline Furniture Corporation. (See Michal, James, assignor.)
Strassweg, Herbert A. (See Hungate, J. B., and Strassweg.)
Strid, Sven J., assignor to T & S Corporation, Chicago, Ill. Floor clip. 2,152,776; Apr. 4.
Strid, Sven J., assignor to T & S Corporation, Chicago, Ill. Cotter pin. 2,153,440; Apr. 4.
Stubnitz-Greene Spring Corporation. (See Page, J. W., and Jump, assignors.)
Sturtevant, B. F., Company. (See Allen, George W., assignor.)
Svadlenak, Rudolph, Taft, Tex. Testing tool. 2,152,980; Apr. 4.
Svensson, Frans H. G. and J. E. W., Lillsjodal, Sweden. Saw sharpening apparatus. 2,152,931; Apr. 4.
Svensson, John E. W. (See Svensson, Frans H. G. and J. E. W.)
Sweeney, William J., Baton Rouge, La., assignor to Standard Oil Development Company. Preparing wetting agents and detergents. 2,153,286; Apr. 4.
Sweitzer, Carroll H., New Freedom, Pa. Motor vehicle lamp and signal support. 2,153,104; Apr. 4.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Differential change speed transmission. 2,152,932; Apr. 4.
Swindell, Walter B., Columbia, S. C. Indicator mechanism for educational purposes. 2,152,777; Apr. 4.
Switlik, Stanley, Trenton, N. J. Amusement device. 2,153,011; Apr. 4.
Switzer, Joseph L., Berkeley, Calif. Fluorescent lithographing ink. 2,152,856; Apr. 4.
Szécsi, István, Budapest, Hungary. Device for laboratorical measuring of liquids. 2,153,105; Apr. 4.
Szent-Györgyi, Albert, Szeged, Hungary, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y. Process of preparing substances belonging to the flavone group. 2,152,827; Apr. 4.
T & S Corporation. (See Strid, Sven J., assignor.)
Talbot, Frank M., Bloomington, Ind. Container handle. 2,152,933; Apr. 4.
Tarris, Frederick J., London, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, Millbank, London, England. Valve for vehicle brakes. 2,153,029; Apr. 4.
Tatum, William W., Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited. New anthraquinone dyestuffs. 2,153,012; Apr. 4.
Taylor, Joseph E., De Land, Fla. Stove. 2,153,106; Apr. 4.
Taylor, Uther H., Mangum, Okla. Airplane wing with variable angles of incidence. 2,152,981; Apr. 4.
Tedham, William F., Abbey Wood, London, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England. Television transmitting and the like system. 2,153,163; Apr. 4.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Berndt, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerhard, E., and Ilberg, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schlarau, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Teletypesetter Corporation. (See Goetz, Maurus T., assignor.)
Terman, Frederick E., Stanford University, Calif. Modulator. 2,152,753; Apr. 4.
Texas Company, The. (See Dearborn, Richard J., assignor.)
Thomas, Alden P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Governor. 2,153,125; Apr. 4.
Thomas, Robert M., Union, N. J., assignor to Standard Oil Development Company. Rubberlike products and preparation thereof. 2,152,828; Apr. 4.
Thomas, Willis P., Highland Park, C. L. Howse, Detroit, H. E. Brelsford, Birmingham, and F. Bowers, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Apparatus for determining liquid levels. 2,153,213; Apr. 4.
Thornycroft, John E., Westminster, England. Launching torpedoes. 2,153,285; Apr. 4.
Tiemann, Otto P., et al. (See Hoover, Charles E., assignor.)
Tillotson, Neil E., Watertown, Mass. Fluid container and producing. 2,153,441; Apr. 4.
Timken Roller Bearing Company, The. (See Chievitz, William J., assignor.)
Timken Roller Bearing Company, The. (See Thomas, Alden P., assignor.)
Tingle, Alexander F., Denver, Colo. Paper dispensing machine. 2,152,778; Apr. 4.
Tingley, Charles W., Milwaukee, Wis., assignor to J. A. and D. M. Tingley. Building 2,153,164; Apr. 4.
Tingley, Daniel M., et al. (See Tingley, Charles W., assignor.)
Tingley, Josephine A., et al. (See Tingley, Charles W., assignor.)
Toudreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Pressure pad. 2,153,214; Apr. 4.
Töpfer, Herbert, and H. J. Lurk, Berlin-Siemensstadt, assignors to Siemens-Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany. Automatic telephone system. 2,153,319; Apr. 4.
Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Percentage counter. 2,153,215; Apr. 4.
Torma, Stefan, Budapest, Hungary. Automatic central buffer coupling for railway cars. 2,153,107; Apr. 4.
Torres, Joseph, Brooklyn, N. Y. Method and apparatus for differentially waving hair. 2,152,714; Apr. 4.
Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Conditioning tobacco. 2,153,442; Apr. 4.
Towne, Willis H. (See Sheldon, H. C., and Towne.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Traylor Vibrator Company, The. (See Flint, James A., assignor.)
Trencham, Henry, Ruislip, England, assignor to General Electric Company. Electrical switch gear. 2,153,400; Apr. 4.
Trent, Harold E., Philadelphia, Pa. Heat transmitting surface. 2,152,934; Apr. 4.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Oishei, John R., assignor.)
Trinkler, Walter H., Chicago, Ill. Device for jacking up of motor vehicles or other power propelled contrivances. 2,153,530; Apr. 4.
Tritle, John F., Erie, Pa., assignor to General Electric Company. Electric switch. 2,153,401; Apr. 4.
Tritle, John F., Erie, Pa., assignor to General Electric Company. Electric switch. 2,153,402; Apr. 4.
True-Tred, Inc. (See Kite, F. E., and Broering, assignors.)
Truscon Steel Company. (See Schulz, Walter F., assignor.)
Turner, Charles S., Detroit, Mich. Boiler construction. 2,152,935; Apr. 4.
Turney, Eugene T., Holmes, N. Y. Photometer. 2,153,165; Apr. 4.
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Separation of mineral oil. 2,153,353; Apr. 4.
Ultrad Products, Incorporated. (See Arden, Thomas R., assignor.)
Underwood, Arthur F., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Steam heating system. 2,153,108; Apr. 4.
Underwood Elliott Fisher Company. (See Becker, Fred, assignor.)
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Underwood Elliott Fisher Company. (See Edmunds, Guy W., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Kupetz, Adolph G., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Underwood Elliott Fisher Company. (See Wise, Elmer L., assignor.)
Ungar, Gustave A., Pelham Manor, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Rotary knife. 2,153,013; Apr. 4.
Union Oil Company of California. (See Ewing, Frederick J., assignor.)
United Lens Corporation. (See Arbuckle, S. F., and Coulter, assignors.)
United Research Corporation. (See Spray, Joseph H., assignor.)
United Shoe Machinery Corporation. (See Gulbrandsen, Trygve, assignor.)
United Shoe Machinery Corporation. (See Hubbard, William, assignor.)
United Shoe Machinery Corporation. (See Ricks, F., Boothroyd, and James, assignors.)
United States Paper Mills, Inc. (See Winter, Courtney P., assignor.)
Universal Hydraulic Corporation. (See Kinzie, P. A., Savage, and Nantz, assignors.)
Universal Oil Products Company. (See Mekler, Lev A., assignor.)
Universal Oil Products Company. (See Morrell, J. C., and Grosse, assignors.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Universal Sewer Pipe Company. (See Miller, Charles H., assignor.)
Urschel, William E., Valparaiso, Ind. Mechanical movement and crop harvester. 2,152,674; Apr. 4.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube system. 2,153,216; Apr. 4.
Uschold, Clarence W. (See Duffy, R. E., and Uschold.)
Valeri, Alfredo, Bragado, Argentina. Flexible blind of the roller type. 2,152,936; Apr. 4.
Van Cleave, Edwin E., assignor of one-half to A. Wiedenbauer, Chicago, Ill. Railway car hand brake. 2,152,715; Apr. 4.
Van der Mark, Jan, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Oscillation generator. 2,153,217; Apr. 4.
Van der Meulen, Peter A., assignor to J. R. Ditmars, New Brunswick, N. J. Film-forming composition. 2,152,829; Apr. 4.
Van Wirt, Alfred E., A. G. Aylies, and G. F. Jones, assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y. Drying pigments. 2,152,716; Apr. 4.
Van Wyk, Aart. (See Elenbaas, W., Jonns, and van Wyk.)
Veco Corporation. (See Venzie, Frederick M., assignor.)
Veeder, Curtis H., Hartford, Conn. Theodolite. 2,153,109; Apr. 4.
Venable, William H., Pittsburgh, assignor to Blaw-Knox Company, Blawknox, Pa. Device for feeding material. 2,153,030; Apr. 4.
Venzie, Frederick M., Philadelphia, Pa., assignor to Veco Corporation. Building construction. 2,153,014; Apr. 4.
Venzie, Frederick M., Philadelphia, Pa., assignor to Veco Corporation. Building construction. 2,153,320; Apr. 4.
Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash guide. 2,153,218; Apr. 4.
Vestal Chemical Company. (See Pollnow, Charles F., assignor.)
Vignati, Julius. (See Reich, Otto, assignor.)
Vigne, Albert, Webster Groves, and I. E. Cox, Kirkwood, assignors to National Bearing Metals Corporation, St. Louis, Mo. Dust guard. 2,152,937; Apr. 4.
Vincent, Merlin S., assignor to Automatic Washer Company, Newton, Iowa. Ironer control mechanism. 2,153,354; Apr. 4.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Manufacturing beaded welting. 2,153,321; Apr. 4.
Voigt, Paul A., Woodhaven, assignor to Johns-Manville Corporation, New York, N. Y. Siding unit and assembly. 2,153,015; Apr. 4.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Mechanism for applying labels. 2,153,355; Apr. 4.
Wagner, Cary R., and R. H. Carr, assignors to The Pure Oil Company, Chicago, Ill. Method and apparatus for water-drive production of mineral oil. 2,152,779; Apr. 4.
Wagner, William L., Sr., Glenshaw, Pa. Apparatus for forming glassware. 2,152,754; Apr. 4.
Wakefield, Harold F. (See Catlow, W. R., Jr., and Wakefield.)
Walker, Earl, Sullivan, Ill. Circulating spray bar. 2,153,356; Apr. 4.
Walker, Frank G., Santa Barbara, Calif. Dishwashing machine. 2,153,322; Apr. 4.
Walker, John C., assignor to Cities Service Oil Company, Bartlesville, Okla. Refining and concentrating crude formaldehyde. 2,153,526; Apr. 4.
Walker-Turner Company. (See Ocenasek, William F., assignor.)
Wallace, John M. (See Bright, Elvin M., assignor.)
Wallace, Robert H., and E. Riemenschneider, Lakewood, assignors to The Midland Steel Products Company, Cleveland, Ohio. Axle housing. 2,153,287; Apr. 4.

Walsh, Edward J., Peekskill, N. Y. Waterproofing construction for walls. 2,153,288; Apr. 4.
Walter, Wilhelm, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Lubricating system for punch presses. 2,153,219; Apr. 4.
Walz, Richard F. (See Lemmon, W. S., Fitch, and Walz.)
Warden, John W. (See Reeves, C. H., and Warden.)
Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company. Ironing machine. 2,153,403; Apr. 4.
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Waseige, Charles R., Rueil, assignor to Societe Air Equipment Billancourt, Seine, France. Engine starting mechanism. 2,152,675; Apr. 4.
Waterbury, Ronald J., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Door bumper and lock striker. 2,153,110; Apr. 4.
Watson, James R., San Bernardino, Calif. Brake system coupler. 2,153,111; Apr. 4.
Watson, John D., Appleton, and L. Andersen, Wauwatosa, Wis. Harness motion for looms. 2,152,982; Apr. 4.
Watson, Robert C., et al., trustees. (See Best, Frank C., assignor.)
Watson, Robert C., et al., trustees. (See Broulhiet, Georges, assignor.)
Watson, Robert C., et al., trustees. (See Paton, Clyde R., assignor.)
Watt, Everett P. (See Owen, S. A., and Watt.)
Wehmeier, Hermann, and W. Ruff, Wetzlar, Germany, assignors, by mesne assignments, to Centrifugal Pipe Corporation, Jersey City, N. J. Casting in a centrifugal mold. 2,152,717; Apr. 4.
Weisser, Karl, Union City, assignor to David Kahn, Inc., North Bergen, N. J. Writing instrument clip. 2,153,488; Apr. 4.
Weissmann, Henry, Staten Island, N. Y. Propeller. 2,153,055; Apr. 4.
Welch, Edward L., Norwood, Mass. Vehicle banking mechanism. 2,152,938; Apr. 4.
Wellnitz, Bernard, Alton, Ill., assignor to Owens-Illinois Glass Company. Lubricating device for cut-off knives. 2,153,443; Apr. 4.
Wells, Edward C. (See Munshall, R. J., and Wells.)
Wendeborn, Helmut, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of sintered products. 2,152,718; Apr. 4.
Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic damping material. 2,153,357; Apr. 4.
Wentworth, Herbert B., Erie, Mich. Dehydrating apparatus. 2,152,939; Apr. 4.
Wepplo, Henry J., Minneapolis, Minn. Centering gauge. 2,153,444; Apr. 4.
West, Donald H., Bolton, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Hydraulic drive for machine tools. 2,153,056; Apr. 4.
Western Cartridge Company. (See Gresham, William F., assignor.)
Westinghouse Brake & Signal Company. (See Kershaw, A. G., and Leech, assignors.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Shield for electrical spring contacts. 2,152,780; Apr. 4.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, Arthur J., Cleveland Heights, and P. J. Johnson, Shaker Heights, Ohio, assignors to General Electric Company. Making stems for sealed electrical devices. 2,153,404; Apr. 4.
White, Ellis R. (See Yabroff, D. L., and White.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile material and making the same. 2,153,358; Apr. 4.
Whitis, Bee, Pikeville, Ky. Releasing device for artificial or natural fishing bait. 2,153,489; Apr. 4.
Wiedenbrauer, Alois. (See Van Cleave, Edwin E., assignor.)
Wiegand, Edwin L. (See Calhoun, Ernest N., assignor.)
Wiegman, Floyd A., Chicago, Ill. Method of and means for folding wearing apparel. 2,152,940; Apr. 4.
Wienecke, Bruno, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Tube for short waves. 2,152,830; Apr. 4.
Wikkenhauser, Gustav, and J. Sieger, Kensington, London, England. Light modulating device. 2,153,490; Apr. 4.
Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for forming liner bags for containers. 2,152,941; Apr. 4.
Wildt and Company Limited. (See Holmes, Henry H., assignor.)
Wile, Daniel D., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,152,781; Apr. 4.
Wilford, Edward B., Merion, Pa. Watercraft. 2,152,983; Apr. 4.
Wilford, Edward B., Merion, Pa. Watercraft. 2,152,984; Apr. 4.
Willaman, John J., R. A. Diehm, and E. W. Clark, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Preparing starch pastes. 2,153,445; Apr. 4.
Williams, Frank J., San Fernando, Calif. Valve. 2,152,831; Apr. 4.
Williams, Henry C., Milwaukee, Wis. Closet bowl mounting mat. 2,152,719; Apr. 4.
Williams Oil-O-Matic Heating Corporation. (See Ropp, Chester A., assignor.)
Williams, Robert R., Roselle, N. J., assignor to Research Corporation, New York, N. Y. Pyrimidine compounds. 2,153,016; Apr. 4.
Williamson, Edward J., Vancouver, British Columbia, Canada. Lock unit. 2,153,491; Apr. 4.
Wilson, Harold B., Wilmette, assignor to Mathias Klein & Sons, Chicago, Ill. Safety strap. 2,152,943; Apr. 4.
Wilson, William S., Brookline, Mass., assignor, by mesne assignments to Monsanto Chemical Company. Coagulant. 2,152,942; Apr. 4.
Winchester, John B., Los Angeles, Calif. Terminal clamp. 2,152,832; Apr. 4.
Windecker, Charles E., et al., executors. (See Windecker, Clifton N.)
Windecker, Clifton N., deceased, Painesville, Ohio; R. E. Windecker, I. W. Alonso, and C. E. Windecker, executors. Clinker cooler. 2,153,112; Apr. 4.
Windecker, Robert E., et al., executors. (See Windecker, Clifton N.)
Winter, Courtney P., assignor to United States Paper Mills, Inc., Chambersburg, Pa. Towel dispensing cabinet. 2,153,113; Apr. 4.
Winthrop Chemical Company. (See Szent-Györgyi, Albert, assignor.)
Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Work holding means for typewriting machines. 2,152,944; Apr. 4.
Witherow, William P. (See Henderson, Albert, assignor.)
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Adapter for miniature lantern slides. 2,153,221; Apr. 4.
Wittel, Otto, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Ejector for motion picture apparatus of the magazine type. 2,153,220; Apr. 4.
Wochinger, Eduard. (See Langer, M., Wochinger, and Kuchley.)
Wolff, Hans. (See Pirani, M., and Wolff.)
Wolk, Jack. (See Helm, E., and Wolk.)
Wood, Orville T. (See Officer, W. J., and Wood.)
Workman, James M., Winnsboro, S. C. Tank, hollow column support therefor, and building the same. 2,153,492; Apr. 4.
Wright, Cecil C., et al. (See Grison, Joseph, assignor.)
Wrought Washer Manufacturing Company. (See Dowdy, C. R., and Doepke, assignors.)
Wunsch, Felix, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,153,222; Apr. 4.
Wurton Machine Company. (See Touton, Ruth D., assignor.)
Wyman, Walter S., Meeker, Colo. Branding iron. 2,153,289; Apr. 4.
Wynd, Clarence L. A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic material. 2,153,166; Apr. 4.
Yabroff, David L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Removal of mercaptans from hydrocarbon distillates. 2,152,721; Apr. 4.
Yabroff, David L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon distillates. 2,152,723; Apr. 4.
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Separating mercaptans contained in a hydrocarbon liquid. 2,152,722; Apr. 4.
Yabroff, David L., Berkeley, and E. R. White, Albany, assignors to Shell Development Company, San Francisco, Calif. Removal of mercaptans from mercaptide solutions. 2,152,724; Apr. 4.
Yabroff, David L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Removing acid components from hydrocarbon distillates. 2,152,720; Apr. 4.
Yakimchick, Maxum E., Pittsfield, Mass. Toe stocking. 2,153,493; Apr. 4.
Yost, Burl. (See Naylor, I., and Yost.)
Young, Arthur J., Putney, London, England, assignor to Radio Corporation of America. Cathode ray tube. 2,153,223; Apr. 4.
Zaiger, Max, Swampscott, Mass. Windshield wiper. 2,153,224; Apr. 4.
Zaiger, Max, Swampscott, Mass. Clip for windshield wipers. 2,153,225; Apr. 4.
Zalkind, Philip, New York, N. Y. Drawer. 2,152,676; Apr. 4.
Zeidler, Paul M., Mount Vernon, N. Y. Piano. 2,153,226; Apr. 4.
Zeiss Ikon Aktiengesellschaft. (See Hoffmann, Kurt, assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Binder for receipts and the like. W. L. Wolford. Re. 21,044; Apr. 4.
Refrigerating apparatus. J. L. Gibson. Re. 21,040; Apr. 4.
Selective control system and apparatus. L. M. Potts. Re. 21,042; Apr. 4.
Signal device for dispensing pumps. C. S. Hazard. Re. 21,041; Apr. 4.
Wheel and manufacture, Abrasive. B. Sanford and D. E. Webster. Re. 21,043; Apr. 4.

LIST OF PLANT INVENTIONS

Rose. E. R. Asmus. 323; Apr. 4.
Delphinium. B. Ruys. 324; Apr. 4.
Tree, Peach. J. U. Nametz. 325; Apr. 4.

LIST OF DESIGN INVENTIONS

Ashtray. P. R. Kapikian. 114,120; Apr. 4.
Ashtray. John and W. Kuzniewicz. 114,071; Apr. 4.
Ashtray and bracket support therefor, Combined. T. E. Platt. 114,142; Apr. 4.
Badge or similar article. M. P. Link, G. P. de Mellier, and L. F. Tillinghast. 114,084; Apr. 4.
Bank or similar article, Savings. E. Klahn. 114,069; Apr. 4.
Bar and bracket, Combined towel. M. J. Zimmer. 114,111; Apr. 4.
Battery plate assembly. B. D. Emanuel. 114,116; Apr. 4.
Belt. G. T. Porter. 114,143; Apr. 4.
Body for stringed musical instruments. A. G. Cox. 114,129; Apr. 4.
Cabinet for dispensing articles. J. Martial. 114,089; Apr. 4.
Cabinet for card game paraphernalia. J. G. Forstmann. 114,062; Apr. 4.
Cabinet, Teleprinter. V. Weidner. 114,164; Apr. 4.
Cabinet, Utility. Woodrow M. and K. F. Hockman. 114,103; Apr. 4.
Cap, Bottle. R. E. Knudsen. 114,070; Apr. 4.
Cap, Container. S. L. Barnes. 114,053; Apr. 4.
Case and mounting therefor or similar article, Combined thermostat. W. A. Ray. 114,091; Apr. 4.
Case or similar article, Vanity. L. J. Davenport. 114,058; Apr. 4.
Case, Piano. T. J. Dentz. 114,098; Apr. 4.
Case, Storage battery. R. M. Critchfield and D. B. Roberts. 114,147; Apr. 4.
Casing, Electric dry shaver. I. Florman. 114,060; Apr. 4.
Casket rest. L. C. Haaser. 114,064; Apr. 4.
Chair. E. J. Burke. 114,056; Apr. 4.
Chair. C. Hasenstein. 114,065; Apr. 4.
Clip. G. A. J. Bezault. 114,055; Apr. 4.
Clock. P. M. Klein. 114,121; Apr. 4.
Counter unit, Restaurant. F. C. Gerardy and A. E. Nordland. 114,063; Apr. 4.
Dispensing device. R. L. Grannis and P. C. Perrin. 114,100; Apr. 4.
Dress. H. Herrmann. 114,148; Apr. 4.
Dress. H. Presser. 114,156; Apr. 4.
Dress. K. Rost. 114,161; Apr. 4.
Dress and slip ensemble. A. Engel. 114,131; Apr. 4.
Dress and slip ensemble. M. Michelson. 114,134; Apr. 4.
Dress ensemble. H. Presser. 114,155; Apr. 4.
Dress ensemble. H. Presser. 114,157–8; Apr. 4.
Dress ensemble. M. R. Richardson and E. Staber. 114,159; Apr. 4.
Dress ensemble. E. Rosenberg. 114,160; Apr. 4.
Dress ensemble. A. H. Schwartz. 114,145; Apr. 4.
Electrical control unit. M. H. Frisbie. 114,117; Apr. 4.
Exhaust extension. W. H. Johnsen. 114,119; Apr. 4.
Fabric for shoe uppers. H. Aull. 114,146; Apr. 4.
Fabric or similar article, Textile. I. H. Fishlove. 114,133; Apr. 4.
Fabric or similar article, Textile. G. Waugh. 114,163; Apr. 4.
Filter rod for a coffee brewer. H. Cory. 114,097; Apr. 4.
Game board. F. P. Hazelwood, W. N. Sherman, and E. C. Wheeler. 114,066; Apr. 4.
Game device. P. Fogarty. 114,061; Apr. 4.
Glass building block, Hollow. E. P. Lockart. 114,085–6; Apr. 4.
Guard bumper for dispensing nozzles, Trigger. T. O. MacDonald. 114,087; Apr. 4.
Guitar, Electric. F. H. Kislingbury. 114,105; Apr. 4.
Handle for kitchen utensils or similar articles. M. J. Zimmer. 114,096; Apr. 4.
Handle for sadiron. G. T. Scharfenberg. 114,092–3; Apr. 4.
Hanger or similar article, Display. U. Nash. 114,109; Apr. 4.
Insecticide spraying device. G. Hettinger. 114,067; Apr. 4.
Ironing machine gear head. J. A. Castricone. 114,057; Apr. 4.
Jack, Lifting. H. H. Howell. 114,068; Apr. 4.
Label. H. G. Hust. 114,104; Apr. 4.
Lamp, Desk. H. R. Robinson and A. J. C. Knudstrup. 114,110; Apr. 4.
Lamp, Illuminating floor. R. A. Manning. 114,088; Apr. 4.
Lamp, Illuminating floor. R. A. Manning. 114,108; Apr. 4.
Lamp or similar article, Wall. R. C. Gregg. 114,101; Apr. 4.
Lens. J. L. Koubek. 114,106; Apr. 4.
Marker, Grave. F. F. Florig. 114,099; Apr. 4.
Name finder. A. J. Meier. 114,090; Apr. 4.
Necklace. A. Philippe. 114,137; Apr. 4.
Necklace. A. Philippe. 114,139; Apr. 4.
Necklace. A. Philippe. 114,141; Apr. 4.
Oceanplane. J. V. Martin. 114,122; Apr. 4.
Pants. A. N. Spanel. 114,162; Apr. 4.
Pen and pencil clip, Fountain. K. Weisser. 114,095; Apr. 4.
Phonographs, Control device for. R. Patten. 114,123; Apr. 4.
Pin, Clip. A. Philippe. 114,135–6; Apr. 4.
Pin, Clip. A. Philippe. 114,138; Apr. 4.
Pin, Clip. A. Philippe. 114,140; Apr. 4.
Plate or similar article. C. W. Leigh. 114,072–83; Apr. 4.
Plate or similar article. C. W. Leigh. 114,107; Apr. 4.
Press or similar article, Seal. M. H. and W. Jackson. 114,149; Apr. 4.
Shaving implement. H. T. Schiff. 114,144; Apr. 4.
Sheif and bracket, Combined display. E. R. Erickson. 114,132; Apr. 4.
Shoe or similar article. A. Mack and E. C. Hyle. 114,150; Apr. 4.
Slipper. M. Shanzer. 114,124; Apr. 4.
Spectacle front. V. H. Tanasso and J. J. Pomeranz. 114,125; Apr. 4.
Spoon or similar article. G. N. Allen, M. P. Fleming, and L. E. Ressegger. 114,113–4; Apr. 4.
Spoon or other article of flatware. W. S. Warren. 114,126–8; Apr. 4.
Stand, Display. R. A. Hennings. 114,102; Apr. 4.
Stove or similar article, Combined cooking and heating. C. W. Davis. 114,059; Apr. 4.
Tablecloth, Lace. W. C. Miller. 114,151–3; Apr. 4.
Tablecloth, Lace. F. P. Otto. 114,154; Apr. 4.
Tablecloth or similar article, Printed. L. Dinkelspiel. 114,130; Apr. 4.
Tablecloth or similar article. V. Winston. 114,165; Apr. 4.
Tractor. V. N. Albertson and J. Henningsen. 114,112; Apr. 4.
Tumbler or article of similar nature, Glass. R. J. Beatty. 114,054; Apr. 4.
Waffle iron or similar article. J. E. Barrett. 114,115; Apr. 4.
Wheel. J. H. Hunt and H. J. Horn. 114,118; Apr. 4.
Wringer. C. E. Waltman. 114,094; Apr. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accessories on steering wheels, Mounting ornamental. G. A. Lyon. 2,153,380; Apr. 4.
Acetylene, Preparing. R. E. Burk. 2,153,115; Apr. 4.
Acid and preparing it, Cativic. N. L. Kalman. 2,152,743; Apr. 4.
Adapter for miniature lantern slides. O. Wittel. 2,153,221; Apr. 4.
Acid amides, Preparation of acetoacetyl aromatic. A. B. Boese, Jr. 2,152,787; Apr. 4.
Acid components from hydrocarbon distillates, Removing. D. L. Yabroff. 2,152,723; Apr. 4.
Acid components from hydrocarbon distillates, Removing. D. L. Yabroff. 2,152,720; Apr. 4.
Acid, Manufacture of glycolic. D. J. Loder. 2,152,852; Apr. 4.
Acid, Preparation of glycolic. A. T. Larson. 2,153,064; Apr. 4.
Acid, Preparation of methacrylic. W. Bauer. 2,153,406; Apr. 4.
Acids and their salts, Preparing 2-keto-aldonic. R. Pasternack and P. P. Regna. 2,153,311; Apr. 4.
Advertising demonstration device. P. Crosley, Jr. 2,152,731; Apr. 4.
Aerial. E. C. Cork. 2,153,298; Apr. 4.
Air conditioning apparatus. C. T. Morse. 2,153,267; Apr. 4.
Air flow control apparatus. R. G. Anderson, K. J. Ahnell, and T. R. Goldsmith. 2,153,359; Apr. 4.
Air intake for internal combustion engines, Auxiliary. E. Stimac. 2,153,350; Apr. 4.
Air propeller. L. Hoffmann. 2,152,805; Apr. 4.
Aircraft. H. Bolas. 2,152,835; Apr. 4.
Aircraft speed indicator. C. J. Crane and F. G. Nesbitt. 2,152,635; Apr. 4.
Airplane wing with variable angles of incidence. U. H. Taylor. 2,152,981; Apr. 4.
Alkyl halides, Producing. H. E. Buc and A. H. Gleason 2,153,170; Apr. 4.
Aluminum surfaces, Producing reflective. J. M. Guthrie. 2,153,060; Apr. 4.
Amplifier for television synchronization, Filter. K Schlesinger. 2,152,824; Apr. 4.
Amusement device. A. Bisch. 2,152,679; Apr. 4.
Amusement device. S. Switlik. 2,153,011; Apr. 4.
Antenna. W. Berndt. 2,153,292; Apr. 4.
Apparatus for bench grinding long blades. W. F. Ocenasek. 2,153,502; Apr. 4.
Apparatus for determining liquid levels. W. P. Thomas C. L. Howse, H. E. Brelsford, and F. Bowers. 2,153,213; Apr. 4.
Apparatus for forming window openings in traveling webs. A. Potdevin. 2,152,708; Apr. 4.
Apparatus for observing revolving objects. A. R. Boaz. 2,153,448; Apr. 4.
Apparel, Folding wearing. F. A. Wiegman. 2,152,940; Apr. 4.
Apparel, Wearing. A. J. Steinberger. 2,153,352; Apr. 4
Apparatus sensitive to atmospheric conditions. A. T. Matthews and C. C. Cadden. 2,153,425; Apr. 4.
Arc lamp, Enclosed. C. W. Jameson. 2,152,763; Apr. 4
Article and producing the same. W. M. Spencer 2,152,826; Apr. 4.
Articles of rubber, Manufacture of hollow. J. A. Hagen. 2,153,184; Apr. 4.
Ashes, Device for removing. G. Schwabach. 2,153,276; Apr. 4.
Atomizer for liquids in general and in particular for liquid fuels. P. Pulidori. 2,153,024; Apr. 4.
Automatic control clutch. J. Elliott and E. E. Garner 2,152,733; Apr. 4.
Automatic hydraulic clutch. J. R. Hyde. 2,153,372; Apr. 4.
Automobile body heater. E. Ludlow and E. C. Booth. 2,153,120; Apr. 4.
Axle housing. R. H. Wallace and E. Riemenschneider. 2,153,287; Apr. 4.
Axle, Two-speed rear. D. D. Ormsby. 2,152,771; Apr. 4.
BX cable cutter. R. C. Bowen. 2,153,510; Apr. 4.
Badge plate and pin assembly, Solderless. C. Prissmeyer. 2,153,157; Apr. 4.
Bag construction. A. Klass. 2,152,745; Apr. 4.
Balancer. W. W. Nash. 2,152,969; Apr. 4.
Ball, Golf. B. Bogoslowsky. 2,153,410; Apr. 4.
Balls, Making golf. B. Bogoslowsky. 2,153,408; Apr. 4.
Bar: *See*—
Circulating spray bar.
Bars, Making ratchet. F. W. Schmidt. 2,153,524; Apr. 4.
Basket. R. E. Lowey. 2,153,334; Apr. 4.
Bearing. F. Schanzer. 2,153,028; Apr. 4.
Bicycle frame. H. H. Henry. 2,153,249; Apr. 4.
Bicycle transmission, Two-speed. F. F. Hosmer. 2,152,886; Apr. 4.
Binder, Sample. A. Steinthal. 2,153,399; Apr. 4.
Binders, Attachment for grain. W. A. Gooden. 2,153,461; Apr. 4.
Bit: *See*—
Well bit.
Blade construction for aircraft sustaining rotors. J. A. J. Bennett. 2,152,861; Apr. 4.
Blast burner. M. F. Betzold. 2,153,497; Apr. 4.
Blind, Adjustable. H. E. Mortimer. 2,152,705; Apr. 4.
Blind of the roller type, Flexible. A. Valeri. 2,152,936; Apr. 4.
Blind, Ventilator. T. Copeland. 2,153,075; Apr. 4.
Blower, Air. S. Squiller. 2,153,349; Apr. 4.
Blower and powder spraying device, Combined. H. W. Hoffman. 2,153,419; Apr. 4.
Boiler construction. C. S. Turner. 2,152,935; Apr. 4.
Boilers, Process of and apparatus for regulating the feed of single tube. E. F. Schwander. 2,152,979; Apr. 4.
Boxes, System for making and/or wrapping. J. S. Stokes. 2,152,775; Apr. 4.
Bracket: *See*—
Pipe bracket. Sill and wall bracket.
Brake: *See*—
Electromagnetic rail brake. Hydraulic brake.
Hand brake. Wheel brake.
Brake adjuster. S. F. Graziano and S. J. Cicero. 2,153,042; Apr. 4.
Brake control device. M. S. Graves. 2,152,686; Apr. 4.
Brake control, Emergency. J. I. Gutkowski. 2,153,506; Apr. 4.
Brake device, Fluid pressure controlled. F. L. Shelor, Jr. 2,152,669; Apr. 4.
Brake drum. D. J. Campbell. 2,153,364; Apr. 4.
Brake drums, Making. D. J. Campbell. 2,153,173; Apr. 4.
Brake lining. P. Ruffino. 2,153,341; Apr. 4.
Brake mechanism for sleds. F. Buccella. 2,153,234; Apr. 4.
Brake system, Fluid pressure. R. Borde. 2,152,949; Apr. 4.
Braking device. F. L. Shelor. 2,153,280; Apr. 4.
Branding iron. W. S. Wyman. 2,153,289; Apr. 4.
Brassière. M. K. Childs. 2,152,910; Apr. 4.
Brassière. W. Gluckin. 2,152,629; Apr. 4.
Braun tube. K. Schlesinger. 2,152,820; Apr. 4.
Braun tube. K. Schlesinger. 2,152,825; Apr. 4.
Brooch and dress clip, Combination. L. Mazer. 2,153,022; Apr. 4.
Brush for electrical machinery. V. A. Myers. 2,153,049; Apr. 4.
Brush frame construction. W. E. Ecker. 2,153,177; Apr. 4.
Brush, Rotary. E. L. Petty. 2,153,207; Apr. 4.
Brushing device. R. R. Brogden. 2,153,294; Apr. 4.
Building. C. W. Tingley. 2,153,164; Apr. 4.
Building construction. F. M. Venzie. 2,153,014; Apr. 4.
Building construction. F. M. Venzie. 2,153,320; Apr. 4.
Bumper. R. A. Ponselle. 2,153,481; Apr. 4.
Bumper and lock striker, Door. R. J. Waterbury. 2,153,110; Apr. 4.
Bung fitting. R. S. Rheem. 2,152,919; Apr. 4.
Burner: *See*—
Blast burner. Pilot burner.
Butter dispensing device. F. W. Knott. 2,153,255; Apr. 4.
Butterfly valve, Hydraulic rotor operated. P. A. Kinzie, J. L. Savage, and M. E. Nantz. 2,152,651; Apr. 4.
Cabinet: *See*—
Towel dispensing cabinet.
Cable: *See*—
Electric cable.
Cables, Suspending aerial. A. C. Bookout and F. B. Pitts. 2,153,072; Apr. 4.
Cap: *See*—
Electric blasting cap.
Cap. E. W. Holmes. 2,153,146; Apr. 4.
Cap and package. J. R. Fleisch and J. Kosar. 2,153,427; Apr. 4.
Car compartment illuminating and ventilating means. H. Dreyfuss. 2,153,242; Apr. 4.
Car construction. D. Hindahl. 2,152,885; Apr. 4.
Car coupling. J. Gumkowski. 2,153,305; Apr. 4.
Car roof. W. E. Bikle. 2,153,070; Apr. 4.
Car sway control mechanism, Railway. C. E. Perkins. 2,153,389; Apr. 4.
Carbon pack. W. F. Simonson. 2,153,210; Apr. 4.
Carburetor. R. F. Bracke. 2,152,950–1; Apr. 4.

Card feeder mechanism. F. L. Fuller and G. F. Daly. 2,153,180; Apr. 4.
Card feeding mechanism, Record. W. Lang. 2,153,193; Apr. 4.
Card rack. G. P. Hereford. 2,152,692; Apr. 4.
Carrier: *See*—
Postal coin carrier.
Carrier line power supply. R. P. Jutson and J. L. Larew. 2,153,329; Apr. 4.
Carton. R. E. Lowey. 2,153,333; Apr. 4.
Carton. P. A. Nemoede. 2,152,911; Apr. 4.
Carton. C. S. Reid. 2,153,340; Apr. 4.
Carton and structure therefor, Cellular. W. B. Jones. 2,152,649; Apr. 4.
Casting in a centrifugal mold. H. Wehmeier and W. Ruff. 2,152,717; Apr. 4.
Catapult. E. F. Richter. 2,153,315; Apr. 4.
Cathode ray tube. F. H. Nicoll. 2,153,269; Apr. 4.
Cathode ray tube. A. J. Young. 2,153,223; Apr. 4.
Cathode support for electrolytic units. K. C. D. Hickman. 2,153,188; Apr. 4.
Cativates and making them, Insoluble metal. N. L. Kalman. 2,152,744; Apr. 4.
Ceiling for car roofs. J. F. Comee. 2,153,074; Apr. 4.
Cementing device for well casings. R. C. Baker. 2,153,034; Apr. 4.
Centering gauge. H. J. Wepplo. 2,153,444; Apr. 4.
Centrifugal separator. H. O. Lindgren. 2,152,966; Apr. 4.
Ceramic body. L. Navias. 2,153,000; Apr. 4.
Chain fastener. W. E. Myers and W. F. Schwartz. 2,153,003; Apr. 4.
Chain fastener. J. R. Reyburn. 2,153,002; Apr. 4.
Chair: *See*—
Posture chair.
Chassis frame for house trailers. H. H. Bashor. 2,153,058; Apr. 4.
Chote for shotguns, Adjustable. C. M. Gibson. 2,153,246; Apr. 4.
Circuit: *See*—
Control circuit. Transmitter tube circuit.
Electric circuit. Ultra short wave circuit.
Oscillator circuit.
Circuit arrangement, Relaxation. H. O. Rossenstein. 2,153,158; Apr. 4.
Circuit breaker control system. H. Bany. 2,152,782; Apr. 4.
Circuit for gaseous electric discharge devices. R. C. Kelting. 2,152,998; Apr. 4.
Circuits, Control for electric. E. D. Lilja. 2,153,195; Apr. 4.
Circuits, Indicating and measuring. L. Schott. 2,152,709; Apr. 4.
Circulating spray bar. E. Walker. 2,153,356; Apr. 4.
Clamp: *See*—
Polish rod clamp. Terminal clamp.
Cleaner: *See*—
Vacuum cleaner.
Clinker cooler. C. N. Windecker. 2,153,112; Apr. 4.
Clip: *See*—
Brooch and dress clip. Magnet clip.
Floor clip. Writing instrument clip.
Clip for windshield wipers. M. Zaiger. 2,153,225; Apr. 4.
Clock, so-called mysterious small clock. C. H. H. Rodanet. 2,153,004; Apr. 4.
Closure, Inspection door and like. J. F. G. Chobert. 2,153,073; Apr. 4.
Closure means for paper cups. H. Gold. 2,153,041; Apr. 4.
Closure means for receptacles. V. E. Cornell. 2,152,634; Apr. 4.
Closure, Receptacle. H. G. Gansz. 2,153,245; Apr. 4.
Clothespin. G. W. Kusman. 2,153,045; Apr. 4.
Clothespin. H. K. Schultz and W. F. Speagle. 2,153,486; Apr. 4.
Clutch: *See*—
Automatic control clutch.
Automatic hydraulic clutch.
Clutch mechanism. A. L. Rosenmund. 2,153,007; Apr. 4.
Coagulant. W. S. Wilson. 2,152,942; Apr. 4.
Coating surfaces with powdered materials. J. A. V. Fairbrother. 2,152,991; Apr. 4.
Coatings to rubber, balata, and like articles, and articles produced thereby, Applying. R. J. Snelling. 2,153,525; Apr. 4.
Coding and decoding, System of. W. S. Lemmon, C. J. Fitch, and R. F. Walz. 2,153,194; Apr. 4.
Coffee maker. H. G. Davis. 2,152,792; Apr. 4.
Coin counting machine. E. J. Brandt, E. G. Reuteler, and W. A. Barganz. 2,152,952; Apr. 4.
Coin slide. B. C. Grunig. 2,153,183; Apr. 4.
Color measuring and analyzing apparatus, Photoelectric. A. L. Holven and T. R. Gillett. 2,152,645; Apr. 4.
Comb, Hair. I. Andersson. 2,153,126; Apr. 4.
Combustion chamber for oil burners. R. E. Duffy and C. W. Uschold. 2,153,175; Apr. 4.
Combustion in internal combustion engines, Apparatus for showing the nature of. G. D. Boerlage. 2,153,114; Apr. 4.
Communication system. H. J. Nichols. 2,153,203; Apr. 4.
Compensating poppet valve. R. Birrell. 2,152,784; Apr. 4.
Composition for coating fruits and vegetables. J. N. Sharma. 2,153,487; Apr. 4.
Compressor, Auto. R. Pateras Pescara. 2,152,972; Apr. 4.
Condensate return system. L. D. Goff and R. O. Monroe. 2,153,117; Apr. 14.
Condensation products, Producing resinlike. K. Stickdorn. 2,153,318; Apr. 4.
Condenser: *See*—
Surface condenser.
Console table, Extensible. A. Marino. 2,152,703; Apr. 4.
Container: *See*—
Vacuum sealed container.
Container. J. F. and P. F. Martter. 2,153,263; Apr. 4.
Container and producing, Fluid. N. E. Tillotson. 2,153,441; Apr. 4.
Container construction. H. K. Powell. 2,153,122; Apr. 4.
Container covering, Plant. W. B. Jones. 2,152,648; Apr. 4.
Container for dispensing materials. R. Bergerioux. 2,152,862; Apr. 4.
Container handle. F. M. Talbot. 2,152,933; Apr. 4.
Containers, Manufacture of. G. O. Conner. 2,153,365; Apr. 4.
Control apparatus. G. H. Fisher. 2,152,843; Apr. 4.
Control circuit. R. E. Koontz. 2,153,192; Apr. 4.
Control device for machine tools. R. Schulz. 2,153,101; Apr. 4.
Control device. D. D. Wile. 2,152,781; Apr. 4.
Control for tabulating machines, Automatic. R. B. Herbert. 2,153,187; Apr. 4.
Control mechanism. W. F. Gresham. 2,152,800; Apr. 4.
Control mechanism. H. Hornschuch. 2,152,695; Apr. 4.
Control mechanism, Hydraulic. A. Maas. 2,153,381; Apr. 4.
Control system. F. Wunsch. 2,153,222; Apr. 4.
Controlling or keying arrangement. K. L. King. 2,152,764; Apr. 4.
Conveyer. L. J. Bishop. 2,153,071; Apr. 4.
Conveyer. S. H. Pellar. 2,153,098; Apr. 4.
Cooler: *See*—
Clinker cooler.
Cooler. C. I. Brown. 2,153,452; Apr. 4.
Coping. C. H. Miller. 2,153,308; Apr. 4.
Copy holder. H. C. Stevens. 2,153,103; Apr. 4.
Corrosion of tin containers, Inhibiting the alkaline. A. C. Nitti. 2,152,658–9; Apr. 4.
Cotter pin. S. J. Strid. 2,153,440; Apr. 4.
Counter molding machine. J. Castonguay. 2,152,838; Apr. 4.
Counterbalance for oil pumping apparatus. W. M. Mansfield. 2,152,701; Apr. 4.
Counterbalance for oil pumping apparatus, Pivoted. W. M. Mansfield. 2,152,702; Apr. 4.
Coupler. A. O. Mickelson and A. J. Duael. 2,153,096; Apr. 4.
Coupler, Brake system. J. R. Watson. 2,153,111; Apr. 4.
Coupling: *See*—
Car coupling. Universal coupling.
Hose coupling. Vehicle coupling.
Transmission coupling.
Coupling. F. A. Clarke. 2,153,077; Apr. 4.
Coupling assembly, Rod. H. R. Crane. 2,152,636; Apr. 4.
Coupling for railway cars, Automatic central buffer. S. Torma. 2,153,107; Apr. 4.
Coupling unit, Self-threading. J. N. Ice. 2,152,962; Apr. 4.
Cribbage board and card pack holder. P. Bucklin. 2,153,453; Apr. 4.
Cribbing. W. D. Schenk. 2,152,926; Apr. 4.
Cup holder. H. Projansky. 2,153,391; Apr. 4.
Curler, Hair. N. L. Solomon. 2,152,672; Apr. 4.
Current measurement means, Direct. W. Krämer. 2,153,377; Apr. 4.
Current responsive arrangement. W. Krämer. 2,153,378; Apr. 4.
Cushion for bathtubs. J. Monge. 2,152,968; Apr. 4.
Cutter: *See*—
BX cable cutter.
Cutting and embossing device for biscuit machines. A. Alltimes. 2,153,067; Apr. 4.
Cutting tool. C. H. Schurr. 2,153,124; Apr. 4.
Cyclohexanols, Manufacture of. M. Hartmann, H. Ensslin, and L. Panizzon. 2,152,960; Apr. 4.
Dehydrating apparatus. H. B. Wentworth. 2,152,939; Apr. 4.
Derivatives of hydrocarbons of high molecular weight and making same. W. Kern. 2,152,964; Apr. 4.
Device for curling and locking hair. A. Cuomo. 2,153,133; Apr. 4.
Device for jacking up of motor vehicles or other power propelled contrivances. W. H. Trinkler. 2,153,530; Apr. 4.
Device for feeding material. W. H. Venable. 2,153,030; Apr. 4.
Devon made of soft material. R. P. A. Bocchino. 2,152,948; Apr. 4.
Dextrose, Production of high purity crystalline. C. J. Copland. 2,152,874; Apr. 4.
Diazo compounds. A. R. Murphy and S. S. Rossander. 2,153,200; Apr. 4.
Die and holder therefor, Screw-threading. M. A. Slotta. 2,152,711; Apr. 4.

Die stock and tap wrench. H. J. Smith. 2,153,054; Apr. 4.
Dipper trip control. G. E. Miller. 2,152,907; Apr. 4.
Disazo dyestuffs insoluble in water and fiber dyed therewith. H. Heyna and P. Jörg. 2,153,018; Apr. 4.
Dishwashing apparatus. G. T. Fielding. 2,153,303; Apr. 4.
Dishwashing machine. F. G. Walker. 2,153,322; Apr. 4.
Dispenser: *See*—
Napkin dispenser.
Display apparatus. S. E. and W. B. Scace. 2,153,346; Apr. 4.
Display device, Illuminated. W. W. Hays. 2,152,844; Apr. 4.
Display rack. J. Kroman. 2,153,422; Apr. 4.
Display sign. W. L. Belknap and E. L. Meyer. 2,152,623; Apr. 4.
Disturbances, Reducing. H. Scharlau. 2,153,209; Apr. 4.
Divider for vertical filing receptacles, Sway. G. Ruck. 2,153,123; Apr. 4.
Divider, Road traffic lane. R. R. Robertson. 2,153,392; Apr. 4.
Documents, Apparatus for photographically recording. W. S. Nivison and J. R. Putlock. 2,153,154; Apr. 4.
Door: *See*—
Ironclad door.
Door check. S. P. Morgen. 2,152,814; Apr. 4.
Door construction for shower bath cabinets. J. F. Levan. 2,152,746; Apr. 4.
Door structure for silos. M. W. Mott. 2,153,473; Apr. 4.
Dowel means for expansion joints. W. F. Schulz. 2,152,751; Apr. 4.
Drag scraper, Automatic. J. B. Hungate and H. A. Strassweg. 2,152,888; Apr. 4.
Drain trap. W. Ingalls. 2,153,373; Apr. 4.
Drainage system for separating oil from waste water. E. W. N. Boosey. 2,153,411; Apr. 4.
Drawer. P. Zaikind. 2,152,676; Apr. 4.
Drive adapter for machines. A. O. Schaefer. 2,153,433; Apr. 4.
Drive for machine tools, Hydraulic. D. H. West. 2,153,056; Apr. 4.
Drive mechanism, Washing machine. V. E. Dunn. 2,153,301; Apr. 4.
Drying method and apparatus. B. Offen. 2,152,770; Apr. 4.
Dust collector. A. B. Osgood. 2,153,270; Apr. 4.
Dust collector. J. K. Ringius. 2,153,026; Apr. 4.
Dyes, Fast polyazo. A. R. Murphy and S. S. Rossander. 2,153,201; Apr. 4.
Dyes, Metalliferous azo. W. Lange. 2,152,652; Apr. 4.
Dyes, Metalliferous azo. W. Lange. 2,153,531; Apr. 4.
Dyes, Production of sulphur. R. W. Hess. 2,152,693; Apr. 4.
Dyestuffs, New anthraquinone. W. W. Tatum. 2,153,012; Apr. 4.
Dyestuffs of the triarylmethane series and preparing them, Chromable. W. Eckert and K. Schilling. 2,153,059; Apr. 4.
Dynamo-electric machine. A. H. Morey. 2,153,386; Apr. 4.
Earcap for telephone receivers. N. P. R. Jarnak. 2,153,044; Apr. 4.
Educational and amusement device. W. E. Barnard. 2,153,231; Apr. 4.
Ejector for motion picture apparatus of the magazine type. O. Wittel. 2,153,220; Apr. 4.
Elbow for connecting air cleaners and carburetors. H. F. Barr and J. W. Ridgway. 2,153,069; Apr. 4.
Electric baking iron. M. Kovensky. 2,153,256; Apr. 4.
Electric blasting cap. L. A. Burrows and S. L. Handforth. 2,153,171; Apr. 4.
Electric cable. J. Collard. 2,153,174; Apr. 4.
Electric circuit. H. E. Edgerton. 2,152,39; Apr. 4.
Electric discharge device. V. J. Francis and J. W. Ryde. 2,152,992; Apr. 4.
Electric discharge device, Gaseous. W. Elenbaas, G. B. Jonas, and A. van Wyk. 2,152,988; Apr. 4.
Electric discharge device, Gaseous. H. Jancke and R. Rompe. 2,152,996; Apr. 4.
Electric discharge lamp. W. J. Scott. 2,153,008–9; Apr. 4.
Electric discharge lamp, Gaseous. L. B. Johnson. 2,152,997; Apr. 4.
Electric discharge lamp, Gaseous. R. Rompe. 2,153,005; Apr. 4.
Electric generator, Wind operated. G. J. Roberts and W. H. Edmonds. 2,153,523; Apr. 4.
Electric heater. U. Curci. 2,153,239; Apr. 4.
Electric lamp. A. Sittel. 2,153,398; Apr. 4.
Electric switch. F. C. De Reamer. 2,153,367; Apr. 4.
Electric switch. F. C. De Reamer. 2,153,369; Apr. 4.
Electric switch. R. F. Massonneau. 2,152,704; Apr. 4.
Electric switch. J. F. Tritle. 2,153,401–2; Apr. 4.
Electrical connection means. H. A. Douglas. 2,153,176; Apr. 4
Electrical filter. H. J. Nichols. 2,153,202; Apr. 4.
Electrical receptacle. H. Hubbell, Jr. 2,152,647; Apr. 4.
Electrical switch gear. H. Trencham. 2,153,400; Apr. 4.
Electrode mounting for neon tubes. F. Kaspar. 2,153,375; Apr. 4.
Electromagnetic rail brake. G. Mathes. 2,153,383; Apr. 4.
Electron tube system. R. Urtel. 2,153,216; Apr. 4.
Engine: *See*—
Internal combustion engine.
Engine starting mechanism. C. R. Waselge. 2,152,675; Apr. 4.
Engine valve. F. Steiner. 2,153,284; Apr. 4.
Engines, Synchronization indicator for internal combustion. C. I. McNeil. 2,153,264; Apr. 4.
Envelope, Postal. W. A. Didier. 2,153,504; Apr. 4.
Esters and preparing them, Cativic acid. N. L. Kalman. 2,152,741; Apr. 4.
Etching machine. W. Guenst. 2,152,688; Apr. 4.
Extension device. S. O. Myrberg. 2,152,749; Apr. 4.
Extension table. T. E. McFall. 2,153,262; Apr. 4.
Extraction process. E. Eichwald. 2,153,116; Apr. 4.
Fabric body such as channel runway, finishing welt, and the like, Composite. R. C. Schemmel. 2,153,484; Apr. 4.
Fabric filtration, Countercurrent. F. W. Manning. 2,152,900; Apr. 4.
Fabric, Making filter. F. W. Manning. 2,152,901; Apr. 4.
Fabric measuring machine. W. E. Aeschbach. 2,152,833; Apr. 4.
Fastener: *See*—
Chain fastener.
Fastening means. F. Lux. 2,153,148; Apr. 4.
Feed mechanism. A. T. Cassiere. 2,152,632; Apr. 4.
Fence, Wire. A. Olson. 2,152,816; Apr. 4.
Fibers from cuprammonia cellulose solutions, Producing crimped artificial. W. Zetzsche, E. Stix, H. Faber, and M. O. Schürman. 2,153,031; Apr. 4.
Fibers, Treatment of animal and vegetable. L. Frenkel. 2,153,416; Apr. 4.
Film advancing mechanism for motion picture apparatus. H. N. Fairbanks. 2,153,142; Apr. 4.
Film feed, Intermittent. P. G. Cazes. 2,152,624; Apr. 4.
Film-forming composition. P. A. van der Meulen. 2,152,829; Apr. 4.
Film gate for enlarging printers. A. E. Schubert. 2,153,159; Apr. 4.
Film processing apparatus. H. B. Kline. 2,153,376; Apr. 4.
Filter: *See*—
Electrical filter.
Filtration, Continuous depth. F. W. Manning. 2,152,902; Apr. 4.
Fire detector, alarm, and extinguisher, Automatic. J. Grison. 2,152,761; Apr. 4.
Fish lure. V. Parkins. 2,152,971; Apr. 4.
Fishhook disgorger. B. L. Dorsey. 2,152,879; Apr. 4.
Fishing reel. E. D. Howe. 2,153,250; Apr. 4.
Fitting, Lubricant. J. Kludt. 2,153,330; Apr. 4.
Fixture, Combination. E. H. Bucknell and R. E. Bletcher. 2,152,868; Apr. 4.
Flap for slotted wings for aircraft, Aerodynamic. H. Riviere. 2,152,974; Apr. 4.
Flashlight. W. J. Officer and O. T. Wood. 2,153,336; Apr. 4.
Flavone group, Preparing substances belonging to the. A. Szent-Györgyi. 2,152,827; Apr. 4.
Float. C. H. Reeves and J. W. Warden. 2,153,339; Apr. 4.
Float switch. W. R. Jessup. 2,153,421; Apr. 4.
Floor clip. S. J. Strid. 2,152,776; Apr. 4.
Flooring, Hardwood C. E. Hoover. 2,152,694; Apr. 4.
Flower holder. H. V. Campbell. 2,152,869; Apr. 4.
Flue expander. E. W. Stevens. 2,152,712; Apr. 4.
Fluid dispensing apparatus C. F. Pollnow. 2,153,156; Apr. 4.
Fluid flow, Measuring. M. O. Johnston and C. W. Savitz. 2,153,254; Apr. 4.
Fluid lift pump. W. L. Church. 2,152,873; Apr. 4.
Fluid pump, Motor driven. C. H. Auger and S. R. Puffer. 2,153,360; Apr. 4.
Focusing arrangement for cameras. R. E. Crowther. 2,153,132; Apr. 4.
Foot for expansion joint setting apparatus. G. T. Nelson. 2,153,475; Apr. 4.
Foot well for baby carriages. J. Michal. 2,153,471; Apr. 4.
Football practice device. J. Mazza. 2,153,384; Apr. 4.
Form, Stocking drying. G. P. Pfaffle. 2,153,050; Apr. 4.
Formaldehyde, Refining and concentrating crude. J. C. Walker. 2,153,526; Apr. 4.
Frame: *See*—
Bicycle frame. Hyperextension frame.
Friction applying means for typographical machine assembler slides. I. G. Stein. 2,153,283; Apr. 4.
Fuel, Device for feeding liquid. P. Lucas. 2,153,379; Apr. 4.
Furnace: *See*—
Ore roasting furnace. Warm air furnace.
Furnace port construction. K. G. Kutchka. 2,152,808; Apr. 4.
Game. E. H. Bright. 2,152,867; Apr. 4.
Game. L. Engel. 2,152,882; Apr. 4.
Game. R. D. Martin. 2,152,747; Apr. 4.
Game apparatus. R. V. Cheatham, Jr. 2,152,872; Apr. 4.
Garden hose holder. G. Ansorge. 2,153,290; Apr. 4.
Garment hanger. M. V. Gray. 2,152,884; Apr. 4.
Garment hanger. H. L. Stell. 2,153,439; Apr. 4.

Gas apparatus, Photosensitive. C. Chilowsky. 2,153,456; Apr. 4.
Gas generator. A. W. Schisler. 2,152,978; Apr. 4.
Gas producer control. G. W. Allen. 2,153,057; Apr. 4.
Gaseous discharge device, Electric. H. Alterthum and A. Lompe. 2,152,985; Apr. 4.
Gaseous discharge device, Electric. E. Friederich. 2,152,993; Apr. 4.
Gasket. G. T. Balfe. 2,152,630; Apr. 4.
Gaskets, Making. H. M. Dodge. 2,153,414; Apr. 4.
Gauge: *See*—
Centering gauge. Thickness gauge.
Gear: *See*—
Electrical switch gear.
Gear for hauling, cargo working, and like purpose, Winch. G. T. Macfarlane. 2,153,469; Apr. 4.
Gear shifter. H. W. and E. R. Price. 2,152,914; Apr. 4.
Gear transmission. S. A. Owen and E. P. Watt 2,153,478; Apr. 4.
Gelatin, Treating. E. Elöd and E. Demme. 2,152,627; Apr. 4.
Generator: *See*—
Electric generator. Grid harmonic generator.
Gas generator. Oscillation generator.
Generator with forced passage of the operating medium, Steam. H. Rabe. 2,153,001; Apr. 4.
Geometrical device. A. C. Pierson. 2,152,750; Apr. 4.
Glass blowing machine, Automatic. P. J. Schoonenberg and J. J. Hardenberg. 2,153,485; Apr. 4.
Glass drawing tank. W. O. Amsler. 2,153,228; Apr. 4.
Glass surfacing table, Plate. A. L. Harrington. 2,152,801; Apr. 4.
Glassware, Apparatus for forming. W. L. Wagner, Sr. 2,152,754; Apr. 4.
Globe. J. A. Smith. 2,153,053; Apr. 4.
Glow discharge device. G. Holst. 2,152,995; Apr. 4.
Gold from its ores, Recovering. G. H. Meinzer. 2,152,748; Apr. 4.
Golf tee. E. Mayl. 2,153,260; Apr. 4.
Governor. W. E. Leibing. 2,153,047–8; Apr. 4.
Governor. A. P. Thomas. 2,153,125; Apr. 4.
Grid harmonic generator, Multiple. M. G. Crosby. 2,152,759; Apr. 4.
Grinding and classifying apparatus. J. Crites. 2,152,876; Apr. 4.
Grinding, gauging, and sizing. R. H. Cramer. 2,152,875; Apr. 4.
Grinding machine. H. N. Norman. 2,153,476; Apr. 4.
Grip, Spring rail. E. R. Packer. 2,152,853; Apr. 4.
Guard, Dust. A. Vigne and I. E. Cox. 2,152,937; Apr. 4.
Guide, Band saw. H. G. Miller. 2,152,906; Apr. 4.
Guide or the like, Lettering. I. L. McNeil. 2,152,904; Apr. 4.
Guide, Sash. C. M. Verhagen. 2,153,218; Apr. 4.
Gunpowder by means of an acetone and alcohol solvent mixture, Preparation of. A. Kunz. 2,153,331; Apr. 4.
Hair cutting and shaping implement. A. H. Madore. 2,152,898; Apr. 4.
Hair foundation roll. J. W. W. Holden. 2,152,737; Apr. 4.
Hair, Method and apparatus for differentially waving. J. Torres. 2,152,714; Apr. 4.
Hair roller. N. L. Solomon. 2,152,673; Apr. 4.
Hand brake, Railway car. E. E. Van Cleave. 2,152,715; Apr. 4.
Handle: *See*—
Container handle.
Hanger: *See*—
Garment hanger. Window screen hanger.
Harrow, Disk. O. W. Sjogren and R. H. Mitchell. 2,152,928; Apr. 4.
Harvester attachment. E. Ristau. 2,152,920; Apr. 4.
Harvester, Stripping. H. T. Cory. 2,152,730; Apr. 4.
Hat perforating and labeling device, Combination. L. Freeman. 2,152,958; Apr. 4.
Heat transmitting surface. H. F. Trent. 2,152,934; Apr. 4.
Heater: *See*—
Automobile body heater. Electric heater.
Heating apparatus, Electric. E. N. Calhoun. 2,152,953; Apr. 4.
Heating or cooling system. J. Kuester and F. A. Beck. 2,152,699; Apr. 4.
Heating system, Steam. A. F. Underwood. 2,153,108; Apr. 4.
Heating system, Zone. S. Martin, Jr. 2,153,382; Apr. 4.
Heel counter molding machine, Shoe. W. H. Chamberlain. 2,153,235; Apr. 4.
Hemorrhage-checking compression plate, Zonal. W. W. Robinson. 2,152,922; Apr. 4.
High vacuum pump. K. C. D. Hickman. 2,153,189; Apr. 4.
Holder: *See*—
Copy holder. Garden hose holder.
Cup holder. Tag holder.
Flower holder. Towel dispensing holder.
Holder for cigars and cigarettes, Safety. M. Lewis. 2,153,332; Apr. 4.
Holder for grinding machines, Work. W. M. McAfee. 2,153,261; Apr. 4.
Holding device for cap covers or tops. U. E. Biaesch. 2,152,678; Apr. 4.
Hormones and preparing them, Sexual. W. Dirscherl and F. Hanusch. 2,152,625–6; Apr. 4.
Hose coupling. R. S. Sanford. 2,152,975; Apr. 4.
Hosiery. W. J. Longtin and W. A. Saussaman. 2,153,423; Apr. 4.
Humidifier for internal combustion engines, Air. W. G. Hardt. 2,153,248; Apr. 4.
Hydraulic brake. T. P. Chase. 2,153,076; Apr. 4.
Hydrocarbons, Dehydrogenation of. J. C. Morrell and A. V. Grosse. 2,152,908; Apr. 4.
Hydrocarbons, Saponification of oxidized. F. J. Ewing. 2,153,302; Apr. 4.
Hydrostabilizer for airplanes, Retractable. R. J. Minshall and E. C. Wells. 2,153,266; Apr. 4.
Hyperextension frame. C. H. Ford. 2,152,734; Apr. 4.
Ice cubing machine. H. C. Sheldon and W. H. Towne. 2,153,438; Apr. 4.
Ignition unit, Emergency. L. Kliborn. 2,152,650; Apr. 4.
Index plate for boring and milling machines. C. L. Grover. 2,153,463; Apr. 4.
Indicator: *See*—
Aircraft speed indicator.
Indicator mechanism for educational purposes. W. B. Swindell. 2,152,777; Apr. 4.
Ink, Fluorescent lithographing. J. L. Switzer. 2,152,856; Apr. 4.
Ink pad. B. Dwofsky. 2,152,682; Apr. 4.
Ink, Rotogravure. E. L. Baxter. 2,153,130; Apr. 4.
Insulator for spark plugs. T. G. McDougal, A. H. Fessler, and K. Schwartzwalder. 2,152,656; Apr. 4.
Insulator, Spark plug. T. G. McDougal, A. H. Fessler, and H. B. Barlett. 2,152,655; Apr. 4.
Internal combustion engine. C. I. McNeil. 2,153,470; Apr. 4.
Internal combustion engine. A. G. M. Michell. 2,152,811; Apr. 4.
Iron: *See*—
Branding iron. Electric baking iron.
Ironclad door. J. B. Olson. 2,153,204; Apr. 4.
Ironer control mechanism. M. S. Vincent 2,153,354; Apr. 4.
Ironing machine. G. W. Wardwell, Jr. 2,153,403; Apr. 4.
Isodibenzanthrone, Preparation of. M. A. Perkins. 2,153,312; Apr. 4.
Jack: *See*—
Lifting jack.
Joint: *See*—
Transverse road joint. Universal joint.
Joint. A. Arutunoff. 2,153,494; Apr. 4.
Kiln construction. R. E. Minogue. 2,153,385; Apr. 4.
Knife, Rotary. G. A. Ungar. 2,153,013; Apr. 4.
Knitting machine, Full-fashioned. E. F. Richter. 2,153,314; Apr. 4.
Knitting machine, Rib. H. H. Holmes. 2,153,019; Apr. 4.
Knitting machines, Brushing attachment for. F. D. Oakes. 2,152,912; Apr. 4.
Labels, Forming. P. M. Gilfillan. 2,153,144; Apr. 4.
Labels, Mechanism for applying. G. W. von Hofe. 2,153,355; Apr. 4.
Ladder. E. J. Arps. 2,153,127; Apr. 4.
Ladder construction. H. J. Heider. 2,152,846; Apr. 4.
Ladder construction, Extension. T. Bonville. 2,153,362; Apr. 4.
Lamp: *See*—
Arc lamp. Electric lamp.
Electric discharge lamp.
Lamp. S. F. Arbuckle and G. H. Coulter. 2,152,834; Apr. 4.
Lamp and signal support, Motor vehicle. C. H. Sweitzer. 2,153,104; Apr. 4.
Lamp device, Gaseous electric discharge. E. G. Dorgelo, W. Elenbaas, and H. J. Lemmens. 2,152,987; Apr. 4.
Lamp device, Gaseous electric discharge. H. Ewest, H. Krefft, and K. Larché. 2,152,989; Apr. 4.
Lamp device, Gaseous electric discharge. W. Hänlein, W. Hagen, and H. Krefft. 2,152,994; Apr. 4.
Lamp device, Gaseous electric discharge. C. J. Milner. 2,152,999; Apr. 4.
Lamp for the headlights of vehicles. T. Bovey. 2,152,836; Apr. 4.
Lamps and similar articles, Apparatus for sealing electric. J. F. Donovan and F. J. Malloy. 2,153,370; Apr. 4.
Lantern slide. J. B. McHarg. 2,153,149; Apr. 4.
Lapping device, apparatus, and method. H. S. Indge and A. G. Belden. 2,153,521; Apr. 4.
Latch: *See*—
Safety latch.
Latch. W. Pease. 2,153,206; Apr. 4.
Length adjusting means for apparel elements, Effective. T. R. Arden. 2,153,068; Apr. 4.
Lifting jack, Electrically operated. K. Eck. 2,153,516; Apr. 4.
Light and power system, Electric. W. S. H. Hamilton. 2,153,247; Apr. 4.
Light intensity control, Arrangement for. K. Klingsporn. 2,152,807; Apr. 4.
Light modulating device. G. Wikkenhauser and J. Sieger. 2,153,490; Apr. 4.
Lighter. O. Reich. 2,153,432; Apr. 4.
Liner, Abrading. F. Postma. 2,153,272; Apr. 4.
Link, Surge. E. F. Boothe. 2,152,864; Apr. 4.
Liquid countercurrent method and apparatus, Immiscible. M. D. Mann, Jr. 2,153,507; Apr. 4.
Liquids, Device for laboratorical measuring of. I. Szecsi. 2,153,105; Apr. 4.

Live stock feeder, Rotary. C. G. and C. Casper. 2,153,455; Apr. 4.
Load distributing, auxiliary power, duo semi-trailer tractor. E. A. Heyn. 2,153,468; Apr. 4.
Lock: *See*—
Permutation lock.
Lock strike, Adjustable. C. B. Flora. 2,153,080; Apr. 4.
Lock nait. E. J. Williamson. 2,153,491; Apr. 4.
Locker control, Electric. J. Knell. 2,153,088; Apr. 4.
Locking mechanism for accordions. S. Olson. 2,153,477; Apr. 4.
Locomotives, Controller for mine. W. W. Sloane. 2,152,929; Apr. 4.
Looms, Harness motion for. J. D. Watson and L. Andersen. 2,152,982; Apr. 4.
Lubricant, Extreme pressure. H. G. Berger, R. C. Moran, and F. M. Seger. 2,153,496; Apr. 4.
Lubricants, Manufacturing. E. Eichwald. 2,152,683; Apr. 4.
Lubricating composition. J. M. Musselman. 2,153,121; Apr. 4.
Lubricating composition. C. F. Prutton. 2,153,482; Apr. 4.
Lubricating device for cut-off knives. B. Wellnitz. 2,153,443; Apr. 4.
Lubricating system for punch presses. W. Walter. 2,153,219; Apr. 4.
Luminous tube sign. I. V. Mansell. 2,152,653; Apr. 4.
Machine for brushing and otherwise treating fruit and other articles. R. R. Brogden. 2,153,295; Apr. 4.
Machine for forming liner bags for containers. I. L. Wilcox. 2,152,041; Apr. 4.
Machine for grinding or sharpening edge tools. E. G. Schulze. 2,153,275; Apr. 4.
Machine for leveling land and forming borders. J. J. Allison and I. F. Collier. 2,153,446; Apr. 4.
Machine for making golf balls. B. Bogoslowsky. 2,153,409; Apr. 4.
Machine for treating eggs. R. R. Brogden. 2,153,296; Apr. 4.
Machine for working uppers over lasts. F. Ricks, H. Boothroyd, and C. H. James. 2,152,855; Apr. 4.
Machinable sinter bearing. L. Sandler. 2,153,397; Apr. 4.
Magnet clip. A. H. Madore. 2,152,897; Apr. 4.
Magnetic testing. T. C. Hana. 2,152,690; Apr. 4.
Magneto-electric machine. C. F. Reis. 2,152,918; Apr. 4.
Manifold, Gas meter. E. W. Ruscher. 2,153,343; Apr. 4.
Marker and other indicator, Grave. S. Arkin. 2,153,229; Apr. 4.
Marking. J. M. Auzin. 2,152,725; Apr. 4.
Mat, Closet bowl mounting. H. C. Williams. 2,152,719; Apr. 4.
Material, Acoustic damping. E. C. Wente. 2,153,357; Apr. 4.
Material and making the same, Textile. W. Whitehead. 2,153,358; Apr. 4.
Materials, Making decorative. S. T. Kantor. 2,153,374; Apr. 4.
Materials, Method of and apparatus for molding. B. A. Jeffery. 2,152,738; Apr. 4.
Matrix retainer. H. Dagavarian. 2,152,877; Apr. 4.
Measuring means. D. M. Myers. 2,152,768; Apr. 4.
Mechanical movement and crop harvester. W. E. Urschel. 2,152,674; Apr. 4.
Mechanism for absorbing torsional oscillations of shafts. K. Schwaiger. 2,152,710; Apr. 4.
Memorandum device. C. J. Bozung. 2,152,866; Apr. 4.
Mercaptans contained in a hydrocarbon liquid, Separating. D. L. Yabroff and E. R. White. 2,152,722; Apr. 4.
Mercaptans from hydrocarbon distillates, Removal of. D. L. Yabroff. 2,152,721; Apr. 4.
Mercaptans from mercaptide solutions, Removal of. D. L. Yabroff and E. R. White. 2,152,724; Apr. 4.
Metal attenuating process and apparatus. M. E. Evans. 2,152,842; Apr. 4.
Metal body, Laminated. E. Brilche. 2,153,363; Apr. 4.
Metals, Recovering precious. C. R. Hauke. 2,153,467; Apr. 4.
Metallic layers, Producing finely divided. G. Liebmann. 2,152,809; Apr. 4.
Metal-phthalocyanines, Manufacture of. M. A. Dahlen and S. R. Detrick. 2,153,300; Apr. 4.
Meter: *See*—
Parking meter. Thermal demand meter.
Single head meter.
Meter construction, Fluid. F. W. Hanks. 2,153,061; Apr. 4.
Microscopy. H. C. Snook. 2,153,010; Apr. 4.
Mineral oil, Separation of. M. H. Tuttle. 2,153,353; Apr. 4.
Mixing system. R. Etzkorn. 2,152,956; Apr. 4.
Modulator. F. E. Terman. 2,152,753; Apr. 4.
Mold. H. S. Knapp. 2,153,087; Apr. 4.
Monitor for machine controls, Automatic. J. P. Buckley. 2,153,412; Apr. 4.
Mop. C. Pattee. 2,153,023; Apr. 4.
Motor vehicle. F. C. Best. 2,153,233; Apr. 4.
Motor vehicle. W. R. Griswold. 2,153,083; Apr. 4.
Motor vehicle. C. R. Paton. 2,152,660–1; Apr. 4.
Motor vehicle. C. R. Paton. 2,153,271; Apr. 4.
Motors, Adjustment of speed-load characteristics of mill. E. N. Millan and E. G. Schlup. 2,153,429; Apr. 4.
Mounting: *See*—
Closet bowl mounting.
Mounting device, Transparent. A. W. Engel. 2,152,881; Apr. 4.
Mountings for machines, Making resilient. D. F. Newman. 2,153,388; Apr. 4.
Movement for dispensing apparatus, Step-by-step. C. A. Ropp. 2,152,818; Apr. 4.
Musical instrument, Stringed. G. D. Beauchamp 2,152,783; Apr. 4.
Nut, Automatic lock. J. Schindel. 2,152,977; Apr. 4.
Napkin dispenser. E. C. Morris. 2,153,472; Apr. 4.
Necktie, Automatic collar-attaching. O. M. Nichols. 2,153,066; Apr. 4.
Needle adapter. M. Hurston. 2,153,253; Apr. 4.
Nitration of the lower alkanes, Vapor phase. J. Martin. 2,153,065; Apr. 4.
Nitroparaffins, Recovery of. H. Kieweg. 2,153,063; Apr. 4.
Nozzle, Vacuum. J. F. H. Fechtenburg. 2,153,457; Apr. 4.
Oil, Apparatus for refining. A. S. Harlan, V. S. Crane, and P. R. Honan. 2,153,062; Apr. 4.
Oil compositions, Drying. W. R. Catlow, Jr., and H. F. Wakefield. 2,152,633; Apr. 4.
Oil, Conversion of hydrocarbon. R. J. Dearborn. 2,153,241; Apr. 4.
Oil extraction. H. Rosenthal. 2,152,665; Apr. 4.
Oil, Method and apparatus for water-drive production of mineral. C. R. Wagner and R. H. Carr. 2,152,779; Apr. 4.
Oil treating process. H. Rosenthal. 2,152,664; Apr. 4.
Oil, Treatment of tung. W. J. Harper. 2,152,642; Apr. 4.
Oils, Conversion of hydrocarbon. L. A. Mekler. 2,152,905; Apr. 4.
Oils, Conversion of hydrocarbon. J. D. Seguy. 2,152,927; Apr. 4.
Oils, Extracting animal. H. Rosenthal. 2,152,667; Apr. 4.
Opener, Can. F. F. Hosmer. 2,152,887; Apr. 4.
Opener for containers, Attached. J. E. Selliken. 2,153,344; Apr. 4.
Ore roasting furnace. W. E. Greenawalt. 2,152,687; Apr. 4.
Oscillation generator. J. van der Mark. 2,153,217; Apr. 4.
Oscillator. H. E. Hollmann. 2,153,190; Apr. 4.
Oscillator circuit. C. J. Fitch. 2,153,179; Apr. 4.
Oscillator, High frequency. J. Böhme. 2,153,131; Apr. 4.
Oscillograph. W. F. Diehl and H. J. Schrader. 2,153,140; Apr. 4.
Oscillation for interlaced scanning, Relaxation. K. Schlesinger. 2,152,822; Apr. 4.
Oven heat regulator. R. E. Meeks. 2,153,265; Apr. 4.
Oxygen derivatives of cativic acid and preparing them. N. L. Kalman. 2,152,742; Apr. 4.
Package and parts thereof, Nontamperable. J. C. Kosar. 2,153,428; Apr. 4.
Package and parts thereof, Sealed. W. L. McNamara and J. Errett. 2,153,426; Apr. 4.
Package insert adaptable for the mounting of fine filamentous thread in annular package form. C. A. Huttinger. 2,153,420; Apr. 4.
Package, Thumbtack. E. Helm and J. Wolk. 2,152,847; Apr. 4.
Packing rings, Making helical. M. G. Kurth. 2,152,823; Apr. 4.
Pad: *See*—
Ink pad. Pressure pad.
Pad or roll and its use, Duplicating. J. Bjorksten. 2,153,324; Apr. 4.
Paint, varnish, and enamel vehicles, Preparation of pale. H. C. Cheetham and W. L. Evers. 2,153,512; Apr. 4.
Paperboard and the like, Producing laminated. C. G. Dreymann. 2,152,732; Apr. 4.
Paper dispensing machine. A. F. Tingle. 2,152,778; Apr. 4.
Parking meter. R. C. Pierce. 2,153,480; Apr. 4.
Pattern control mechanism. Y. Ruinnet. 2,153,342; Apr. 4.
Pavement, Making composite. J. G. Fuller. 2,152,798; Apr. 4.
Paving plate. C. Schenck. 2,153,347; Apr. 4.
Pencil, Multiple lead. H. Reusch. 2,152,817; Apr. 4.
Percentage counter. T. E. Torkelson. 2,153,215; Apr. 4.
Permutation lock. G. D. Dillon. 2,152,839; Apr. 4.
Petroleum hydrocarbonates, Production of chlorinated unsaturated. H. B. Kipper. 2,152,890; Apr. 4.
Petroleum lubricant product. H. G. Berger, R. C. Moran, and F. M. Seger. 2,153,495; Apr. 4.
Photographic emulsion. L. G. S. Brooker. 2,153,169; Apr. 4.
Photographic material. C. L. A. Wynd. 2,153,166; Apr. 4.
Photometer. E. T. Turney. 2,153,165; Apr. 4.
Piano. P. M. Zeidler. 2,153,226; Apr. 4.
Pick-up and loading machine. C. J. Chaffins. 2,153,037; Apr. 4.
Pictures, Apparatus for making motion. W. C. Robinette. 2,152,921; Apr. 4.
Pigment in organic vehicle compositions useful for making coating compositions, Preparing. R. R. Denslow, A. M. Erskine, and S. C. Horning. 2,153,515; Apr. 4.
Pigments, Drying. A. E. Van Wirt, A. G. Aylies, and G. F. Jones. 2,152,716; Apr. 4.

Pilot burner, Automatic safety. J. K. Clark. 2,152,790; Apr. 4.
Pin: *See*—
Cotter pin.
Pipe bracket. H. J. Charland. 2,152,871; Apr. 4.
Pipe support. J. F. Kohnke. 2,152,891; Apr. 4.
Piston for internal combustion engines. W. Harper, Jr. 2,153,501; Apr. 4.
Piston skirt expander. H. P. Phillips. 2,153,338; Apr. 4.
Plasterlike products. R. S. Shutt. 2,152,670; Apr. 4.
Plastics, Production of. E. C. Sherrard, E. Beglinger, J. P. Hohf, and E. Bateman. 2,153,316; Apr. 4.
Plate for chill molds, Supporting. J. Haag. 2,153,464; Apr. 4.
Plow, Motor-equipped snow. H. J. Behrens, M. H. Bemis, E. R. Greer, and A. E. Morrison. 2,152,860; Apr. 4.
Plow, Rotary snow. R. A. Drake. 2,152,840; Apr. 4.
Plowshare structure. W. E. Brelsford. 2,153,451; Apr. 4.
Plug valve, Rotary. E. C. McFarlane and E. Levy. 2,152,810; Apr. 14.
Polish rod clamp. I. Naylor and B. Yost. 2,153,474; Apr. 4.
Position indicator for machine tools. W. L. MacRae. 2,153,424; Apr. 4.
Postal coin carrier. W. A. Didier. 2,153,505; Apr. 4.
Posture chair. W. F. Herold. 2,153,327; Apr. 4.
Power transmission device, Variable speed. A. H. Jessen. 2,152,739; Apr. 4.
Power transmitting apparatus and control therefor. E. A. Rockwell. 2,153,509; Apr. 4.
Predetermining mechanism for coin counting machines. B. E. Seemel. 2,153,160; Apr. 4.
Preparation of acetoacetyl aromatic acid amides. A. B. Boese, Jr. 2,152,786; Apr. 4.
Press: *See*—
Printing press. Tire recapping press.
Press and method of pressing heels, Heel. W. Hubbard. 2,152,646; Apr. 4.
Pressure pad. A. W. Tondreau. 2,153,214; Apr. 4.
Pressures, Applying and regulating. G. A. Moore. 2,152,813; Apr. 4.
Print feeding mechanism for wrapping and packaging machines. E. F. Ness. 2,152,970; Apr. 4.
Printing apparatus for motion picture film, Composite. J. H. Spray. 2,153,212; Apr. 4.
Printing machine. H. Cole. 2,153,325; Apr. 4.
Printing of motion picture film, Composite. J. H. Spray. 2,153,211; Apr. 4.
Printing press. A. and E. Kluge. 2,152,698; Apr. 4.
Printing machinery. W. E. Hamlin. 2,152,736; Apr. 4.
Printing telegraph apparatus. A. H. Reiber. 2,152,773; Apr. 4.
Projection device. O. C. Gilmore. 2,152,959; Apr. 4.
Projector, Motion picture. K. Hoffmann. 2,153,328; Apr. 4.
Propeller. H. Weissmann. 2,153,055; Apr. 4.
Pump: *See*—
Fluid lift pump. High vacuum pump.
Fluid pump.
Pump and seal therefor, Water. W. M. Baumheckel. 2,152,727; Apr. 4.
Pumping apparatus. A. R. Maier. 2,153,094; Apr. 4.
Pumping mechanism. F. W. Harris. 2,152,802; Apr. 4.
Pumping apparatus, Straight lift. G. T. Humphrey 2,152,762; Apr. 4.
Pyrimidine compounds. R. R. Williams. 2,152
Quad for justifying lines of type, Compression. O. L. Spaeth. 2,152,752; Apr. 4.
Racemization of optically active compounds. G. Scheuing and W. Krauss. 2,152,976; Apr. 4.
Rack: *See*—
Card rack. Display rack.
Rack and drawer, Combined tie. J. H. Lane. 2,153,258; Apr. 4.
Radiator, Electric. J. Deuches. 2,153,078; Apr. 4.
Radio broadcasting system. G. Rodwin. 2,153,052; Apr. 4.
Radio receiver. I. O. Banks. 2,153,447; Apr. 4.
Radio receiver combined with coin collector boxes. D. Mastini. 2,152,903; Apr. 4.
Railroad crossing. L. Alexander. 2,152,857; Apr. 4.
Range and view finder system for cameras. J. Mihalyi. 2,153,198; Apr. 4.
Range, Gas. S. H. Hobson. 2,153,086; Apr. 4.
Ratchet mechanism. H. H. Harada. 2,153,084; Apr. 4.
Rayon spin baths, Clarification of. R. B. Booth. 2,153,449; Apr. 4.
Reaction products of 2-methyl-1,3-dichloro-propane and alcohols. G. H. Coleman and G. V. Moore. 2,153,513; Apr. 4.
Reamer, Cylinder. J. L. Campbell. 2,152,954; Apr. 4.
Receptacle: *See*—
Electrical receptacle.
Receptacles such as tumblers and the like, Method of and apparatus for washing. V. W. Cunningham. 2,153,238; Apr. 4.
Record controlled machine. A. E. Gray. 2,153,182; Apr. 4.
Record controlled machine. E. J. Rabenda. 2,153,208; Apr. 4.
Record in film, Mechanical sound. J. H. Rouse. 2,153,529; Apr. 4.
Record, Subdued melody phonograph and accompaniment. K. Ross. 2,153,027; Apr. 4.
Recording apparatus. A. T. Sigo. 2,153,317; Apr. 4.
Recording mechanism for games. E. P. du Pont. 2,152,638; Apr. 4.
Recovery head for dehydrated concentrates, Pneumatic treating. A. K. Andrews. 2,153,033; Apr. 4.
Rectifier. K. E. Schimkus. 2,153,434; Apr. 4.
Reel: *See*—
Fishing reel.
Refrigerating apparatus. W. J. Harbers. 2,152,691; Apr. 4.
Refrigerating apparatus. E. F. Hubacker. 2,153,371; Apr. 4.
Refrigerating apparatus. J. W. Martin. 2,152,967; Apr. 4.
Refrigerating apparatus. B. F. Randel. 2,152,663; Apr. 4.
Refrigerating machine, Diffusion. G. Maiuri. 2,153,020; Apr. 4.
Refrigerating unit. M. A. Martin. 2,153,335; Apr. 4.
Regulator: *See*—
Oven heat regulator.
Relay, Electromagnetic. P. Bakker. 2,153,291; Apr. 4.
Releasing device for artificial or natural fishing bait. B. Whitis. 2,153,489; Apr. 4.
Repeater, Translating. L. M. Potts. 2,152,772; Apr. 4.
Resilient mounting. D. F. Newman. 2,153,387; Apr. 4.
Resinlike condensation products, Process for producing. K. Stickdorn. 2,153,318; Apr. 4.
Resins, Preparation of pale colored alkyd. H. C. Cheetham and W. L. Evers. 2,153,511; Apr. 4.
Resistance. G. J. Mucher. 2,153,152; Apr. 4.
Respirator. N. Schwartz. 2,153,437; Apr. 4.
Ribose, Preparing. F. P. Phelps. 2,152,662; Apr. 4.
Ring for sealing the pistons and piston rods, Packing. J. Rais. 2,153,025; Apr. 4.
Ripper. J. M. Corbett. 2,153,038; Apr. 4.
Rod trimming device. S. C. Osberg. 2,153,431; Apr. 4.
Roofing structure. J. Kahn and W. F. Schulz. 2,153,119; Apr. 4.
Rowboat and tent, Convertible. R. W. St. Dennis. 2,153,282; Apr. 4.
Rubber compounding. K. H. Engel. 2,153,141; Apr. 4.
Rubberlike products and preparation thereof. R. M. Thomas. 2,152,828; Apr. 4.
Rules, Mounting an adding and subtracting device on slide. C. Kübler. 2,153,089; Apr. 4.
Saddle. H. E. Crouter. 2,153,326; Apr. 4.
Safety latch. L. C. Smith. 2,153,102; Apr. 4.
Salt of penta-methylene-dithio-carbamic acid, Making the piperidine. M. W. Harman. 2,153,043; Apr. 4.
Sand, water, and oil segregator. C. H. Bills. 2,152,863; Apr. 4.
Sash and window screen, Convertible storm. A. Gimmelli. 2,153,145; Apr. 4.
Saw sharpening apparatus. F. H. G. and J. E. W. Svensson. 2,152,931; Apr. 4.
Scanning machine. C. L. Henderson. 2,153,186; Apr. 4.
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Sealing machine. F. L. Darling. 2,153,039; Apr. 4.
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Shade, Headlight. B. Romanik. 2,153,100; Apr. 4.
Shaving device. M. Andis and M. G. Andis, Jr. 2,152,677; Apr. 4.
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Shelter, Play. H. R. Goodale. 2,153,081; Apr. 4.
Shield for electrical spring contacts. C. H. Wheeler. 2,152,780; Apr. 4.
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Shield, Glare. C. W. McKinley. 2,153,095; Apr. 4.
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Shielding for electrical circuits. W. E. Mougey. 2,152,706; Apr. 4.
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Show card and the like. F. K. Giles. 2,153,460; Apr. 4.
Shuttlecock. A. A. Hudson. 2,153,251; Apr. 4.
Siding unit and assembly. P. A. Voigt. 2,153,015; Apr. 4.
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Sign. W. W. Hays. 2,152,845; Apr. 4.

Signal transmission system. A. C. Dickieson and H. J. Fisher. 2,153,040; Apr. 4.
Signaling. C. J. Fitch. 2,153,178; Apr. 4.
Signaling apparatus, Wireless. J. Robinson. 2,153,274; Apr. 4.
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Single head meter. M. M. Borden. 2,153,450; Apr. 4.
Sintered products, Production of. H. Wendeborn. 2,152,718; Apr. 4.
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Slips for oil well tools, Producing. C. E. Burt. 2,153,035; Apr. 4.
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Trimethylamine, Manufacture of. C. E. Andrews and L. U. Spence. 2,153,405; Apr. 4.
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Typographical machine. W. H. Medford. 2,153,150; Apr. 4.
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CLASSIFICATION OF PATENTS

ISSUED APRIL 4, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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Barlow & Seelig Mfg. Co., Ripon, Wis. Ironing machines. Serial No. 415,974; Apr. 11. Class 24.

Barlow, William V., doing business as The Jitterbug Co., Jacksonville, Fla. Game apparatus. Serial No. 416,243; Apr. 11. Class 22.

Bartlett, Ernest W., doing business as Rapid Blue Print Company, Houston, Tex. Photostatic and for photographic copies, etc. Serial No. 408,985; Apr. 11. Class 38.

Bazon Company, The. (See Smith, Robert H.)

Bennett Incorporated, Cambridge, Mass. Liquid wax. Serial No. 415,539; Apr. 11. Class 16.

Berck, Herman L., Los Angeles, Calif. Dress shirts, undershirts, shorts, etc. Serial No. 411,807; Apr. 11. Class 39.

Beverly, Brenton F., New York, N. Y. Gloves. Serial No. 415,243; Apr. 11. Class 39.

Bibby, J., & Sons Limited, Liverpool, England. Vegetable fats. Serial No. 410,633; Apr. 11. Class 46.

Biltmore Hotel, The. (See Long, Baron.)

Bilt-Rite Foundation Co., New York, N. Y. Girdles and brassières. Serial No. 414,682; Apr. 11. Class 39.

Bliss, Guerin J., doing business as The Stylart Company, San Francisco, Calif. Liquid preparation used in conjunction with permanent waving equipment. Serial No. 416,502; Apr. 11. Class 6.

Bolger, William B., Cleveland, Ohio. Question and answer game. Serial No. 416,640; Apr. 11. Class 22.

Briske, Paul, doing business as Briske & Prohl, Berlin, Germany. Aluminum alloys, castings and forgings, etc. Serial No. 411,488; Apr. 11. Class 14.

Brooklyn Handkerchief Co., Brooklyn, N. Y. Handkerchiefs. Serial No. 414,335; Apr. 11. Class 39.

Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. Serial No. 415,375; Apr. 11. Class 39.

Brown, George S., Jr., doing business as Coastal Chemical Co., Savannah, Ga. Chemical laundry bleach. Serial No. 414,857; Apr. 11. Class 6.

Buse, R. L., Company Incorporated, Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial No. 416,642; Apr. 11. Class 49.

Burnstine-Vincent, Inc., New York, N. Y. Game played with cards. Serial No. 416,310; Apr. 11. Class 22.

Carey Salt Co., The, Hutchinson, Kans. Salt. Serial No. 415,497; Apr. 11. Class 46.

Central Paper Company, Menasha, Wis. Gummed paper tape. Serial No. 415,764; Apr. 11. Class 37.

Century Oxford Manufacturing Corp., Brooklyn, N. Y. Eye glasses and frames. Serial No. 415,874; Apr. 11. Class 26.

Chicago Mail Order Company, Chicago, Ill. Carpets and rugs. Serial No. 416,247; Apr. 11. Class 42.

Coast Envelope & Leather Products Co., Los Angeles, Calif. Leather goods. Serial No. 415,541; Apr. 11. Class 3.

Coastal Chemical Co. (See Brown, George S., Jr.)

Cohoes Envelope Co., Inc., Cohoes, N. Y. Envelopes. Serial No. 413,511; Apr. 11. Class 37.

Coil Coal & Mining Company, Incorporated, Madisonville, Ky. Coal. Serial No. 415,767; Apr. 11. Class 1.

Columbia Mills, The, Inc., New York, N. Y. Window shade cloth. Serial No. 416,249; Apr. 11. Class 42.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum. Serial No. 415,876; Apr. 11. Class 20.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum, linoleum tile, and cork carpet. Serial No. 415,878; Apr. 11. Class 20.

Continental Oil Company, Ponca City, Okla. Lubricating grease. Serial No. 402,898; Apr. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. Serial No. 402,902; Apr. 11. Class 15.

Coralite Dental Products Company, Chicago, Ill. Dental cellulose material. Serial No. 410,455; Apr. 11. Class 44.

Crown Drug Company, Kansas City, Mo. Golf balls. Serial No. 416,794; Apr. 11. Class 22.

Crown Overall Manufacturing Company, The, Cincinnati, Ohio. Clothing. Serial No. 413,821; Apr. 11. Class 39.

Day, Evangeline, New York, N. Y. Teacups and bowls. Serial No. 415,447; Apr. 11. Class 30.

Deknatel, J. A., & Son, Queens Village, Long Island, N. Y. Needles with multiple sutures, surgical needles, and sutures for surgical use. Serial No. 416,548; Apr. 11. Class 44.

Delaware Floor Products, Inc., Wilmington, Del. Composition floor coverings. Serial No. 415,837; Apr. 11. Class 20.

Dell Publishing Company, New York, N. Y. Cartoon or comic strips. Serial Nos. 414,865–6; Apr. 11. Class 38.

Dermetics, Inc., Seattle, Wash. Pharmaceutical preparation. Serial No. 404,034; Apr. 11. Class 6.

Dixie Pine Products Company, Hattiesburg, Miss. Steam distilled wood turpentine. Serial No. 409,421; Apr. 11. Class 16.

Drew Brothers Medicine Co., Americus, Ga. Laxative and a tonic alterative. Serial No. 416,286; Apr. 11. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Window-shade fabrics. Serial No. 416,227; Apr. 11. Class 42.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Toilet articles. Serial No. 416,234; Apr. 11. Class 44.

Durkee-Mower, Inc., Lynn, Mass. Marshmallow. Serial No. 404,168; Apr. 11. Class 46.

Earshen, James J., Buffalo, N. Y. Bleaching preparation. Serial No. 412,076; Apr. 11. Class 6.

Earshen, James J., Buffalo, N. Y. Anti-freezing preparation. Serial No. 412,077; Apr. 11. Class 6.

Edinburg Citrus Association, Edinburg, Tex. Fresh citrus fruit. Serial No. 415,981; Apr. 11. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 415,879; Apr. 11. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 415,882; Apr. 11. Class 46.

Electrofile, Inc., Troy, N. Y. Machines for selecting cards from a file, cards and trays. Serial No. 408,188; Apr. 11. Class 23.

Everitt Hat Company, Milwaukee, Wis. Women's, misses', and girls' hats. Serial No. 412,222; Apr. 11. Class 39.

Feigenbaum & Adelson, Inc., New York, N. Y. Dresses. Serial No. 414,991; Apr. 11. Class 39.

Ferguson Marketing Service, Inc., Baltimore, Md. Fresh citrus fruits and vegetables. Serial No. 414,144; Apr. 11. Class 46.

Fox River Paper Corporation, Appleton, Wis. Papers. Serial No. 415,841; Apr. 11. Class 37.

Frozen Novelties, Inc., Long Island City, N. Y. Frozen confections. Serial No. 402,595; Apr. 11. Class 46.

Garfinkel & Ritter, New York, N. Y. Chemises, panties, night-gowns, etc. Serial Nos. 415,335–6; Apr. 11. Class 39.

General Tire & Rubber Company, The, Akron, Ohio. Storage batteries. Serial No. 415,644; Apr. 11. Class 21.

Gibbs & Company, Chicago, Ill. Permanent waving pads. Serial No. 413,630; Apr. 11. Class 44.

Glossing Milling Company, Farmington, Mo. Biscuit flour and gravy flour. Serial No. 413,988; Apr. 11. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial Nos. 415,037–9; Apr. 11. Class 23.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Belts, belting, and hose. Serial No. 416,140; Apr. 11. Class 35.

Grandpa Brands Company, Cincinnati, Ohio. Maltless beverages and for concentrates thereof. Serial No. 416,630; Apr. 11. Class 45.

Green Table Pad Corp., New York, N. Y. Venetian blinds and table pads. Serial No. 416,606; Apr. 11. Class 32.

Hamersley Manufacturing Company, The, Garfield, N. J. Wrapping paper for foods. Serial No. 415,715; Apr. 11. Class 37.

Handy Beer and Wine Company, Boston, Mass. Cream ale. Serial No. 415,081; Apr. 11. Class 48.

Helburn, Willard, Inc., Salem, Mass. Leather. Serial Nos. 415,752–5; Apr. 11. Class 1.

Heller Brothers Company, Newark, N. J. Files. Serial No. 415,716; Apr. 11. Class 23.

Hercules Powder Company, Wilmington, Del. Blasting caps. Serial No. 412,603; Apr. 11. Class 9.
Hewitt Rubber Corporation, Buffalo, N. Y. Hose. Serial No. 415,777; Apr. 11. Class 35.
I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cameras. Serial No. 415,708; Apr. 11. Class 26.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial Nos. 413,907–8; Apr. 11. Class 39.
Isaacs, Harry, Inc., New York, N. Y. Men's neckties and mufflers. Serial No. 414,696; Apr. 11. Class 39.
James Distillery, The, Inc., Baltimore, Md. Whiskey. Serial No. 416,147; Apr. 11. Class 49.
Jitterbug Co., The. (See Barlow, William V.)
Jones, Chester A., Ottumwa, Iowa. Punch boards. Serial No. 414,226; Apr. 11. Class 22.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. Serial No. 413,714; Apr. 11. Class 39.
Kenosha Full Fashioned Mills, Inc., Kenosha, Wis. Hosiery. Serial No. 415,653; Apr. 11. Class 39.
Kress, S. H., and Company, New York, N. Y. Shaving cream. Serial No. 405,651; Apr. 11. Class 4.
Lesco Ltd., New York, N. Y. Handbags. Serial No. 415,167; Apr. 11. Class 3.
Li-on Bedding Company, Milwaukee, Wis. Mattresses. Serial No. 389,076; Apr. 11. Class 32.
Loeser Laboratory, Incorporated, New York, N. Y. Estrogenic hormone in oil. Serial No. 416,568; Apr. 11. Class 6.
Long, Baron, doing business as The Biltmore Hotel, Los Angeles, Calif. Beer. Serial No. 415,554; Apr. 11. Class 48.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Ice cream cones. Serial No. 415,991; Apr. 11. Class 46.
Lowe, Donald, & Co. Inc., New York, N. Y. Woolen fabrics. Serial No. 415,296; Apr. 11. Class 42.
Lucey, John E., Shoe Co., Middleboro, Mass. Men's shoes. Serial No. 414,357; Apr. 11. Class 39.
Luminous Processes, Inc., New York, N. Y. Self-luminous devices. Serial No. 415,253; Apr. 11. Class 34.
Macy, R. H., & Co., Inc., New York, N. Y. Toothbrushes. Serial No. 415,784; Apr. 11. Class 29.
Manhattan Shirt Company, The, New York, N. Y. Pajamas. Serial No. 411,541; Apr. 11. Class 39.
McCleary Bros., Inc., Memphis, Tenn. Pressing machines. Serial No. 415,992; Apr. 11. Class 24.
McCurrach Organization Incorporated, New York, N. Y. Men's neckties and mufflers. Serial No. 414,959; Apr. 11. Class 39.
Metalectric Corporation, Waterloo, Iowa. Game. Serial No. 416,769; Apr. 11. Class 22.
Michaels, Ralph, Chicago, Ill. Shuttlecocks. Serial No. 416,153; Apr. 11. Class 22.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 415,407; Apr. 11. Class 39.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 415,409; Apr. 11. Class 39.
Minardo Bros. Fruit Co., Inc., La Fayette, Ind. Kentucky straight Bourbon whiskey. Serial No. 415,993; Apr. 11. Class 49.
Miranda, Alberto, Orange, N. J. Medicinal salve. Serial Nos. 414,937–8; Apr. 11. Class 6.
Mitchell & Peirson Incorporated, Philadelphia, Pa. Glazed kid. Serial No. 414,705; Apr. 11. Class 1.
National Cash Register Company, The, Dayton, Ohio. Paper and stationery. Serial No. 415,853; Apr. 11. Class 37.
National Stuffed Animals Co. Inc., New York, N. Y. Toy stuffed animals. Serial No. 415,557; Apr. 11. Class 22.
North, Earle M., doing business as North Distributing Company, Houston, Tex. Cleaning compound. Serial No. 415,054; Apr. 11. Class 4.
North American Rayon Corporation, New York, N. Y. Yarn. Serial No. 402,583; Apr. 11. Class 43.
North American Rayon Corporation, New York, N. Y. Piece goods. Serial No. 403,322; Apr. 11. Class 42.
Nurnberg Thermometer Co., Inc., New York, N. Y. Thermometers and hydrometers. Serial No. 412,576; Apr. 11. Class 26.
Oberman & Company, Jefferson City, Mo. Outer shirts, pants, and jackets. Serial No. 388,363; Apr. 11. Class 39.
Ostby and Barton Company, Providence, R. I. Jewelry. Serial No. 415,519; Apr. 11. Class 28.
Parfumerie Roger et Gallet, Société Anonyme, Paris, France. Perfumes, toilet waters, face and toilet powders, etc. Serial No. 416,580; Apr. 11. Class 6.
Parks-Cramer Company, Fitchburg, Mass. Self-cleaning atomizing nozzles. Serial No. 399,200; Apr. 11. Class 13.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Syrup. Serial No. 414,889; Apr. 11. Class 46.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pillows. Serial No. 416,773; Apr. 11. Class 32.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 415,663; Apr. 11. Class 46.
Polikoff Limited, London, England. Coats, trousers, vests, etc. Serial No. 412,354; Apr. 11. Class 39.
Rapid Blue Print Company. (See Bartlett, Ernest W.)
Rap-I-Dol Distributing Corporation, New York, N. Y. Publication. Serial No. 414,922; Apr. 11. Class 38.
Red Arrow Laboratories. (See Southwestern Drug Corporation.)
Rice-Stix Dry Goods Company, St. Louis, Mo. Dresses, slacks, and suits, etc. Serial No. 409,142; Apr. 11. Class 39.
Riverside & Dan River Cotton Mills, Inc., Danville, Va. Piece goods. Serial No. 416,112; Apr. 11. Class 42.
Roche-Organon, Inc., Nutley, N. J. Medicinal preparation. Serial No. 416,518; Apr. 11. Class 6.
Rochester Button Company, Rochester, N. Y. Buttons. Serial No. 415,352; Apr. 11. Class 40.
Roth, Chester H., & Co., New York, N. Y. Hosiery. Serial No. 415,228; Apr. 11. Class 39.
Rowland Accouterments, Inc., Wilmington, Del. Woven or braided fabrics of gold, silver, or their alloys. Serial No. 413,684; Apr. 11. Class 40.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. Serial No. 415,913; Apr. 11. Class 1.
Russelet Novelty Co., New York, N. Y. Combination horn and balloon. Serial No. 416,657; Apr. 11. Class 22.
Rumby, Philadelphia, Pa. After shaving lotion, hair and scalp preparation. Serial No. 416,267; Apr. 11. Class 6.
Sanitary Automatic Candy Corporation, New York, N. Y. Vending machine. Serial No. 414,644; Apr. 11. Class 23.
Schenley Distillers Corporation, New York, N. Y. Whiskey, gin, rum, etc. Serial No. 415,057; Apr. 11. Class 49.
Schmeiser, T. G., Co., Fresno, Calif. Traction lug units for rubber tired tractor wheels. Serial No. 413,740; Apr. 11. Class 23.
Schmidt, C., & Sons, Inc., Philadelphia, Pa. Malt beverages. Serial No. 414,240; Apr. 11. Class 48.
Sealco By-Products Company, Inc., Bluefield, W. Va. Pigment, paint and paint thinner. Serial No. 414,924; Apr. 11. Class 16.
Sealco By-Products Company, Inc., Bluefield, W. Va. Gasket paste. Serial No. 414,925; Apr. 11. Class 15.
Shulton, Inc., New York, N. Y. Combination set consisting of a mug and soap. Serial No. 412,675; Apr. 11. Class 50.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods. Serial No. 416,117; Apr. 11. Class 42.
Smith, Robert H., doing business as The Bazon Company, Spartanburg, S. C. Ointment. Serial No. 416,162; Apr. 11. Class 6.
Società Italiana Pirelli, Milan, Italy. Atomisers, bidet cushions, nursing nipples for cattle, etc. Serial No. 412,310; Apr. 11. Class 44.
Società Italiana Pirelli, Milan, Italy. Tennis balls, toy balls, toy balloons. Serial No. 412,311; Apr. 11. Class 22.
Societe Alsacienne de Constructions Mecaniques, Mulhouse and Clichy, France. Sheathed electrical conductors and supplies and fittings for the same. Serial No. 408,257; Apr. 11. Class 21.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 410,669; Apr. 11. Class 47.
Southport Paint Company, Inc., Savannah, Ga. Caulking compound. Serial No. 415,193; Apr. 11. Class 12.
Southport Paint Company, Inc., Savannah, Ga. Roofcoating material. Serial No. 415,194; Apr. 11. Class 12.
Southwestern Drug Corporation, doing business as Red Arrow Laboratories, Waco, Tex. Shaving cream. Serial No. 415,963; Apr. 11. Class 4.
Sterling Products Company, Easton, Pa. Metal closures for tanks, drums, etc. Serial No. 413,085; Apr. 11. Class 50.
Storz Brewing Company, Omaha, Nebr. Beer. Serial No. 415,234; Apr. 11. Class 48.
Stylart Company, The. (See Bliss, Guerin J.)
Sun Dodger Company, Los Angeles, Calif. Parasols, beach umbrellas, and beach sun shades. Serial No. 414,473; Apr. 11. Class 41.
Supan, Milton T., doing business as Supan's Ink Co., Red Bluff, Calif. Writing ink. Serial No. 415,270; Apr. 11. Class 11.
Superior Fastener Corporation, Chicago, Ill. Metal and wood holding cleats. Serial No. 405,785; Apr. 11. Class 13.
Taylor, K., Distilling Co., Inc., The, Frankfort, Ky. Serial Nos. 416,933–4; Apr. 11. Class 49.
Terry, Sam, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Natural fruit juice base for beverages. Serial No. 402,451; Apr. 11. Class 45.
Texas Citrus Fruit Growers Exchange, Mission Tex. Fresh citrus fruit. Serial No. 415,969; Apr. 11. Class 46.
Valley of the Moon Fruit Juice Co. (See Terry, Sam.)
Van Cleef Bros., Chicago, Ill. Adhesive type tape. Serial No. 407,339; Apr. 11. Class 5.
Vitapil S. A., Diekirch, Luxemburg. Products for stimulating the growth of hair and for softening the skin, etc. Serial No. 412,987; Apr. 11. Class 6.
Watkins, J. R., Company, The, Winona, Minn. Soap flakes. Serial No. 415,678; Apr. 11. Class 4.
Webster Electric Company, Racine, Wis. Electric sound reproduction equipment. Serial No. 415,093; Apr. 11. Class 36.
Your Health Publications, Inc., New York, N. Y. Magazine. Serial No. 416,007; Apr. 11. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Boys' clothing and accessories. 366,430; Apr. 11; Serial No. 412,623; published Jan. 31, 1939. Class 39.
Adolph's Cigar Store, S. A., Habana, Cuba. Cigars. 366,400; Apr. 11; Serial No. 412,019; published Jan. 31, 1939. Class 17.
Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Fuel oil. 366,434; Apr. 11; Serial No. 412,751; published Jan. 24, 1939. Class 15.
Arc-Ray Lamp Works, North Bergen, N. J. Incandescent electric lamps. 366,495; Apr. 11. Class 21.
Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 366,428–9; Apr. 11; Serial Nos. 412,580–1; published Jan. 31, 1939. Class 1.
Bagedonow Bros. Inc., New York, N. Y. Coats. 366,440; Apr. 11; Serial No. 412,848; published Jan. 17, 1939. Class 39.
Bamberger-Reinthal Company, The, Cleveland, Ohio. Sweaters and sweater coats. 366,439; Apr. 11; Serial No. 412,793; published Jan. 10, 1939. Class 39.
Bar Mixing Machine & Supply Co., New York, N. Y. Attachments for bottle for measuring and dispensing liquids therefrom. 366,363; Apr. 11; Serial No. 409,454; published Jan. 31, 1939. Class 26.
Bartmann & Bixer Inc., New York, N. Y. Window curtains. 366,448; Apr. 11; Serial No. 412,936; published Jan. 31, 1939. Class 42.
Bates, H., Co., Inc., New York, N. Y. Dress fabrics. 366,421; Apr. 11; Serial No. 412,489; published Jan. 24, 1939. Class 42.
Bayview Citrus Association, Los Fresnos, Tex. Fresh fruits. 366,473; Apr. 11; Serial No. 413,261; published Jan. 31, 1939. Class 46.
Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 366,443; Apr. 11; Serial No. 412,897; published Jan. 17, 1939. Class 39.
Benzel, E. L. (See Pittman & Harrison Company.)
Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Smoking and chewing tobacco. 366,348; Apr. 11; Serial No. 406,909; published Sept. 6, 1938. Class 17.
Bloom, Philip S., Co., Chicago, Ill. Ladies' undergarments. 366,412; Apr. 11; Serial No. 412,327; published Jan. 31, 1939. Class 39.
Blossom Products Corporation, Allentown, Pa. Ribbons. 366,315; Apr. 11; Serial No. 373,244; published Mar. 3, 1936. Class 42.
Bowes "Seal Fast" Corporation, Indianapolis, Ind. Tire and tube repair outfits or kits, dough kits, etc. 366,508; Apr. 11. Class 35.
Brady Products Co., Kansas City, Mo. Maltless beverages, and syrups and extracts for making the same. 366,353; Apr. 11; Serial No. 408,006; published Dec. 27, 1938. Class 45.
Brand & Oppenheimer, Inc., New York, N. Y. Fabric of acetate and silk. 366,366; Apr. 11; Serial No. 409,800; published Jan. 31, 1939. Class 42.
Brew-Schneider, Inc., New York, N. Y. Sanitary white uniforms. 366,433; Apr. 11; Serial No. 412,693; published Jan. 10, 1939. Class 39.
Bridge Master, Inc., New York, N. Y. Game. 366,342; Apr. 11; Serial No. 406,011; published June 21, 1938. Class 22.
Calgon, Incorporated, Pittsburgh, Pa. Detergent chemical compound. 366,431; Apr. 11; Serial No. 412,626; published Jan. 10, 1939. Class 4.
California Frosted Foods. (See Doughty, Sterling B.)
Caltone Corporation, Los Angeles, Calif. Maltless beverage, concentrates, and extracts. 366,354; Apr. 11; Serial No. 408,155; published Jan. 24, 1939. Class 45.
Canepa, John B., Company, The, Chicago, Ill. Composite package of spaghetti and cheese. 366,388–90; Apr. 11; Serial Nos. 411,567–9; published Jan. 31, 1939. Class 46.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Synthetic resin yarns. 366,381; Apr. 11; Serial No. 411,195; published Jan. 31, 1939. Class 43.
Carmi-Feature Underwear, Inc., New York, N. Y. Men's and boys' shorts. 366,325; Apr. 11; Serial No. 398,708; published Jan. 17, 1939. Class 39.
Chicago Mail Order Company, Chicago, Ill. Dresses. 366,397; Apr. 11; Serial No. 411,939; published Jan. 17, 1939. Class 39.
Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 366,416; Apr. 11; Serial No. 412,438; published Jan. 31, 1939. Class 38.
Cimino, Paul, Wilkes-Barre, Pa. Shoe polish and cleaner. 366,385; Apr. 11; Serial No. 411,431; published Jan. 24, 1939. Class 4.
Coleman, Goldman & Co. Inc., New York, N. Y. Outer garments. 366,503; Apr. 11. Class 39.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 366,411; Apr. 11; Serial No. 412,289; published Jan. 10, 1939. Class 4.
College Years Publications, Inc., New Haven, Conn. Periodical publication. 366,444; Apr. 11; Serial No. 412,899; published Jan. 31, 1939. Class 38.
Collegiate Manufacturing Company, New York, N. Y. Nightgowns. 366,449; Apr. 11; Serial No. 412,953; published Jan. 10, 1939. Class 39.
Collette and Markle, Eureka Springs, Ark. Medicated plasters for rupture. 366,487; Apr. 11; Serial No. 413,855; published Jan. 31, 1939. Class 44.
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Cosmetic spades or spatulas. 366,332; Apr. 11; Serial No. 401,372; published Jan. 31, 1939. Class 23.
Columbia Mills, Inc., The, New York, N. Y. Window shade cloth. 366,450–4; Apr. 11; Serial Nos. 412,955–9; published Jan. 31, 1939. Class 42.
Concordade Company, Inc., Providence, R. I. Maltless beverages, and sirups and extracts for making same. 366,460; Apr. 11; Serial No. 413,064; published Jan. 24, 1939. Class 45.
Concordade Company, Inc., Providence, R. I. Maltless beverages, and sirups and extracts for making same. 366,486; Apr. 11; Serial No. 413,540; published Jan. 31, 1939. Class 45.
Congoleum Company, The, Philadelphia, Pa., assignor to Congoleum-Nairn Inc., Kearny, N. J. Prepared floor-coverings of the oiled-cloth type. 125,980–1; renewed July 22, 1939.
Congoleum Company, The, Philadelphia, Pa., assignor to Congoleum-Nairn Inc., Kearny, N. J. Prepared floor-coverings of the oiled-cloth type. 126,264; renewed Aug. 19, 1939.
Connell Bros. Company Limited, San Francisco, Calif. Wheat flour, rolled oats; canned seafood; etc. 366,357; Apr. 11; Serial No. 408,692; published Jan. 31, 1939. Class 46.
Continental Mills, Inc., Philadelphia, Pa. Coats, suits, cloaks, and capes. 366,379; Apr. 11; Serial No. 411,086; published Jan. 10, 1939. Class 39.
Croft, William J., Salem, N. H. Potato chips. 126,268; renewed Aug. 19, 1939.
Cromwell Paper Company, The, Chicago, Ill. Garment bags, blanket bags, lingerie bags, etc. 366,398; Apr. 11; Serial No. 411,945; published Jan. 17, 1939. Class 2.
Cromwell Paper Co., The, Chicago, Ill. Waterproof shipping paper. 366,496; Apr. 11. Class 37.
Curtis & Marble Machine Co., Worcester, Mass. Machinery appertaining to the textile industry. 126,407; renewed Aug. 26, 1939.
Designers for Industry, Inc., Cleveland, Ohio. Publication. 366,371; Apr. 11; Serial No. 410,456; published Jan. 31, 1939. Class 38.
Diamond Match Co., The, Chicago, Ill., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Matches. 124,823; renewed Mar. 18, 1939.
Diversey Corporation, The, Chicago, Ill. Cleanser. 366,482; Apr. 11; Serial No. 413,436; published Jan. 24, 1939. Class 4.
Doughty, Sterling B., doing business as California Frosted Foods, Decoto, Calif. Frozen fresh vegetables. 366,335; Apr. 11; Serial No. 401,893; published Jan. 31, 1939. Class 46.
Dubied, Eduard, et Cie. Société Anonyme, Couvet, Switzerland. Knitting machines. 366,413; Apr. 11; Serial No. 412,374; published Jan. 31, 1939. Class 23.
Dubin, David, Inc., New York, N. Y. Veils. 366,339; Apr. 11; Serial No. 405,016; published Jan. 24, 1939. Class 42.
Duti-Duds, Inc., Lynchburg, Va. Women's and children's uniforms, dresses, slacks, etc. 366,373; Apr. 11; Serial No. 410,689; published Jan. 31, 1939. Class 39.
Electro Products Company. (See Stewart, Patterson O.)
Eloesser-Heynemann Co., San Francisco, Calif. Overalls and work clothes. 124,832; renewed Mar. 18, 1939.
Elting Brothers, New York, N. Y. Hosiery. 366,352; Apr. 11; Serial No. 407,801; published Jan. 10, 1939. Class 39.
Emby Photo and Film Machine Corp., New York, N. Y. Cameras, camera parts, enlarging apparatus, etc. 366,378; Apr. 11; Serial No. 410,953; published Jan. 31, 1939. Class 26.
Evans, Ethelyn, Washington, D. C. Newspaper column. 366,476; Apr. 11; Serial No. 413,302; published Jan. 31, 1939. Class 38.
Evans Products Company, Detroit, Mich. Heaters utilizing hot fluid from the engine. 366,337; Apr. 11; Serial No. 403,247; published Jan. 31, 1939. Class 19.
Evans Products Company, Detroit, Mich. Oil burning space heaters, water heaters, and air conditioning units. 366,360; Apr. 11; Serial No. 408,996; published Jan. 31, 1939. Class 34.
Evans-Winter-Hebb Inc., Detroit, Mich. Publication. 366,417; Apr. 11; Serial No. 412,442; published Jan. 24, 1939. Class 38.
Fair Oaks Fruit Company, Fair Oaks, Calif. Canned olives. 366,349; Apr. 11; Serial No. 407,183; published Jan. 31, 1939. Class 46.
Ferry-Morse Seed Co., Detroit, Mich. Seeds. 366,399; Apr. 11; Serial No. 411,950; published Jan. 31, 1939. Class 1.

Florida Citrus Exchange, Tampa, Fla. Citrus fruits. 366,478; Apr. 11; Serial No. 413,341; published Jan. 31, 1939. Class 46.

Folkard & Lawrence, Inc., New York, N. Y. Woolen flannel piece goods. 366,336; Apr. 11; Serial No. 403,203; published Jan. 24, 1939. Class 42.

Fox, I. J., Inc., New York, N. Y. Fur coats. 366,392; Apr. 11; Serial No. 411,600; published Jan. 17, 1939. Class 39.

Geist, Irving, New York, N. Y. Blouses. 366,422; Apr. 11; Serial No. 412,502; published Jan. 17, 1939. Class 39.

General Chemical Company, New York, N. Y. Fertilizers. 366,405; Apr. 11; Serial No. 412,131; published Jan. 17, 1939. Class 10.

General Foods Corporation, New York, N. Y. Coffee. 366,316; Apr. 11; Serial No. 384,458; published Jan. 31, 1939. Class 46.

General Foods Products Company, Vernon, Calif. Candy. 366,511; Apr. 11. Class 46.

General Mills, Inc., Minneapolis, Minn. Electrical flashlights. 366,408; Apr. 11; Serial No. 412,180; published Jan. 31, 1939. Class 21.

General Paint & Varnish Co., Chicago, Ill. Varnishes, stains, japans, etc. 366,435; Apr. 11; Serial No. 412,761; published Jan. 31, 1939. Class 16.

General Paint & Varnish Co., Chicago, Ill. Varnishes, stains, japans, etc. 366,441; Apr. 11; Serial No. 412,856; published Jan. 31, 1939. Class 16.

General Plastics, Inc., North Tonawanda, N. Y. Materials of construction. 366,314; Apr. 11; Serial No. 371,867; published Jan. 17, 1939. Class 12.

Goldberger, Leo J., New York, N. Y. Children's dresses, blouses, and jumpers. 366,376; Apr. 11; Serial No. 410,875; published Jan. 17, 1939. Class 39.

Goldsmith Bros., New York, N. Y. Liquid wax polish. 366,346; Apr. 11; Serial No. 406,713; published Jan. 31, 1939. Class 16.

Gosman Company, The, Baltimore, Md. Maltless beverages, and syrups, extracts and flavors. 366,481; Apr. 11; Serial No. 413,402; published Jan. 31, 1939. Class 45.

Gottfried Company, The, Cleveland, Ohio. Dresses and frocks. 366,375; Apr. 11; Serial No. 410,865; published Jan. 31, 1939. Class 39.

Greene, Albert M., Ashland, Mass. Fresh apples. 366,338; Apr. 11; Serial No. 404,250; published Jan. 31, 1939. Class 46.

Gulden Company, Inc., Jersey City, N. J. Preparation used for cleaning and washing. 366,488; Apr. 11; Serial No. 413,867; published Jan. 31, 1939. Class 4.

Gump, B. F., Co., Chicago, Ill. Food processing and packaging machinery. 366,391; Apr. 11; Serial No. 411,575; published Jan. 31, 1939. Class 23.

Hanes Hosiery Mills Company, Inc., Winston-Salem, N. C. Hosiery. 366,382; Apr. 11; Serial No. 411,296; published Jan. 17, 1939. Class 39.

Hartley, Wm. P., Limited, Liverpool and London, England. Jams, fruit preserves, marmalade, etc. 366,361; Apr. 11; Serial No. 409,034; published Jan. 31, 1939. Class 46.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 366,457; Apr. 11; Serial No. 413,013; published Jan. 10, 1939. Class 39.

Haywood Publishing Company, La Fayette, Ind. Publications. 366,458; Apr. 11; Serial No. 413,015; published Jan. 31, 1939. Class 38.

Heebner, E. L., New York, N. Y. Fruit juices. 366,317–18; Apr. 11; Serial Nos. 385,668–9; published Jan. 31, 1939. Class 46.

Heiming-McKenzie Shoe Company, The, to The Krippendorf Dittmann Company, Cincinnati, Ohio, successor. Shoes. 126,287; renewed Aug. 19, 1939.

Hodges Carpet Company, Indian Orchard, Mass. Sisal rugs and carpets. 366,502; Apr. 11. Class 42.

Holcomb, Lloyd M., doing business as Yeasto Manufacturing Company, Perry, Iowa. Yeast preparation. 366,327; Apr. 11; Serial No. 399,188; published Jan. 31, 1939. Class 46.

Horwitz & Duberman, New York, N. Y. Dresses, jackets, and coats. 366,445; Apr. 11; Serial No. 412,907; published Jan. 24, 1939. Class 39.

Hudson, Joseph, assignor, by mesne assignments, to James C. Hudson, doing business as J. Hudson and Co., Birmingham, England. Whistle-calls. 124,456; renewed Feb. 18, 1939.

Hudson Oil Co., Kansas City, Kans. Gasoline. 366,350; Apr. 11; Serial No. 407,550; published Aug. 16, 1938. Class 15.

Irwin Auger Bit Company, The, Wilmington, Ohio. Wood boring auger bits, screw drivers, files, etc. 366,356; Apr. 11; Serial No. 408,573; published Jan. 31, 1939. Class 23.

Isaly Dairy Company, The, Marion, Ohio. Butter. 124,930; renewed Mar. 25, 1939.

Jacobson, Edmund, New York, N. Y. Publication. 366,477; Apr. 11; Serial No. 413,310; published Jan. 31, 1939. Class 38.

Jubilee Manufacturing Company, Omaha, Nebr. Electrically actuated horns and adjuncts. 366,501; Apr. 11. Class 21.

Kaiser's Kaffeegeschäft Gesellschaft mit beschränkter Haftung, Viersen, Germany. Coffee, coffee essences, roasted chicory, etc. 366,396; Apr. 11; Serial No. 411,783; published Jan. 24, 1939. Class 46.

King Features Syndicate, Inc., New York, N. Y. Cartoon Series. 366,426; Apr. 11; Serial No. 412,555; published Jan. 24, 1939. Class 38.

King, Nathan, Los Angeles, Calif. Sport coats, slacks, pajamas, etc. 366,362; Apr. 11; Serial No. 409,116; published Jan. 10, 1939. Class 39.

Kirby, Block & Fischer, Inc., New York, N. Y. Outer apparel. 366,436; Apr. 11; Serial No. 412,766; published Jan. 10, 1939. Class 39.

Kittanning Leather Products. (See Rauhaus, Arthur.)

Kolbe, H. M., Co., Inc., New York, N. Y. Cotton fabrics. 366,474; Apr. 11; Serial No. 413,269; published Jan. 24, 1939. Class 42.

Krasne, A., Inc., New York, N. Y. Household cleaner. 366,358; Apr. 11; Serial No. 408,719; published Jan. 17, 1939. Class 4.

Krippendorf Dittmann Company. (See Heiming-McKenzie Shoe Company, The.)

Kroder Reubel Co. Inc., The, New York, N. Y. Curtain rods and I-beam curtain rails, I-beam curtain rail splicers, etc. 366,500; Apr. 11. Class 13.

Lenkowsky Bros. Furs, Inc., New York, N. Y. Manufactured fur wearing apparel and fur trimmings. 366,384; Apr. 11; Serial No. 411,420; published Jan. 31, 1939. Class 39.

Levinsohn, Sanders A., Inc., New York, N. Y. Suits and overcoats. 366,423–4; Apr. 11; Serial Nos. 412,509–10; published Jan. 17, 1939. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits. 366,437; Apr. 11; Serial No. 412,770; published Jan. 10, 1939. Class 39.

Lightfoot Schultz Co., New York, N. Y., and Hoboken, N. J. Saponaceous compounds, shaving cream, soap powder, etc. 366,409; Apr. 11; Serial No. 412,191; published Jan. 31, 1939. Class 4.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Neutralizing-cordial for stomach and bowels. 124,635; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Chemicals, medicines, and pharmaceutical preparations. 124,636; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Extracts of ergot and a preparation of hydrastis for certain affections. 124,637; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Compound for certain affections and conditions. 124,638; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Distillate from apocynum cannabinum for dropsy and nephritis. 124,639; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Pharmaceutical products. 124,640; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Tobacco-distillate. 124,641; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Preparation of echinacea for surgical uses. 124,642; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Preparation of Caulophyllum for treatment of amenorrhea, etc. 124,643; renewed Mar. 4, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Product of methyl salicylic acid. 126,032; renewed July 22, 1939.

Lloyd Brothers, Cincinnati, Ohio, assignor, by mesne assignments, to S. B. Penick & Company, New York, N. Y. Safety-paper. 124,739–40; renewed Mar. 11, 1939.

Lyons, Gordon V., Inc., New York, N. Y. Ladies' and misses' coats, suits, and coat and suit combinations. 366,479; Apr. 11; Serial No. 413,347; published Jan. 10, 1939. Class 39.

Macintosh, Chas., & Company, Limited, Manchester, England. Waterproof and leather coats. 366,341; Apr. 11; Serial No. 405,993; published Jan. 10, 1939. Class 39.

Maff, John, Inc., Newark, N. J. Varnishes used as a drier in inks. 366,364; Apr. 11; Serial No. 409,532; published Jan. 31, 1939. Class 11.

Manville Jenckes Corporation, Manville, R. I. Garments. 366,323; Apr. 11; Serial No. 397,040; published Jan. 31, 1939. Class 39.

Masonite Corporation, Chicago, Ill. Paste adhesives. 366,368–9; Apr. 11; Serial Nos. 410,261–2; published Jan. 17, 1939. Class 5.

Massachusetts Knitting Mills, Boston, Mass. Silk crepe hosiery. 366,493; Apr. 11. Class 39.

McKee Company, The, Athens, Ohio. Paper, and mailing envelopes. 366,359; Apr. 11; Serial No. 408,756; published Jan. 31, 1939. Class 37.

Merit Clothing Company, Mayfield, Ky. Suits and pants. 366,372; Apr. 11; Serial No. 410,514; published Jan. 24, 1939. Class 39.

Metal Textile Corporation, West Orange, N. J. Pot cleaners of metallic material. 366,418; Apr. 11; Serial No. 412,455; published Jan. 10, 1939. Class 4.

Meyer & Lange, Inc., New York, N. Y. Powdered material for flavoring and improving soups and sauces. 366,401; Apr. 11; Serial No. 412,039; published Jan. 31, 1939. Class 46.

Model Brassiere Corp., Brooklyn, N. Y. Undergarment for women. 366,463; Apr. 11; Serial No. 413,133; published Jan. 31, 1939. Class 39.

Montgomery, H. A., Company, The, Detroit, Mich. Lubricants. 366,329; Apr. 11; Serial No. 399,851; published Jan. 31, 1939. Class 15.

Musante-Williams, Inc., Salinas, Calif. Fresh vegetables. 366,419; Apr. 11; Serial No. 412,456; published Jan. 31, 1939. Class 46.

Namm, A. I., & Son, Brooklyn, N. Y. Whiskey, gin, rum, etc. 366,489; Apr. 11. Class 49.

National Cash Register Company, The, Dayton, Ohio. Cash registers, credit registers, autographic registers, etc. 366,402–4; Apr. 11; Serial Nos. 412,058–60; published Jan. 31, 1939. Class 26.

National Cash Register Company, The, Dayton, Ohio. Paper and stationery. 366,464–5; Apr. 11; Serial Nos. 413,134–5; published Jan. 31, 1939. Class 37.

New Orleans Coffee Co. Ltd., New York Orleans, La., to Penick & Ford, Ltd. Incorporated, New York, N. Y., successor. Molasses, sorghums, cane and maple syrups, and compounds thereof. 121,643; renewed May 14, 1938.

New Orleans Coffee Co., Ltd., New Orleans, La., to Penick & Ford, Ltd. Incorporated, New York, N. Y., successor. Compounds of sorghum and corn-syrup. 122,097; renewed June 25, 1938.

New Process Company, Warren, Pa. Electric fan. 366,326; Apr. 11; Serial No. 398,785; published Jan. 31, 1939. Class 21.

New York Standard Mfg. Co., Inc., Brooklyn, N. Y. Clothes hampers, ash cans, and garbage cans. 366,322; Apr. 11; Serial No. 398,012; published Nov. 16, 1937. Class 2.

Norcross, New York, N. Y. Ribbons of cellophane or the like. 366,471; Apr. 11; Serial No. 413,234; published Jan. 31, 1939. Class 37.

North American Rayon Corporation, New York, N. Y. Thread and yarn. 366,383; Apr. 11; Serial No. 411,382; published Jan. 17, 1939. Class 43.

North American Rayon Corporation, New York, N. Y. Textile piece goods. 366,386; Apr. 11; Serial No. 411,464; published Jan. 24, 1939. Class 42.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Caramel colors for beverages. 366,446; Apr. 11; Serial No. 412,920; published Jan. 31, 1939. Class 45.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Caramel colors for malt beverages. 366,447; Apr. 11; Serial No. 412,921; published Jan. 31, 1939. Class 48.

Penick & Ford, Ltd. Incorporated. (See New Orleans Coffee Co. Ltd.)

Penick, S. B., & Company. (See Lloyd Brothers, assignor.)

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Blankets and woolen piece goods. 366,485; Apr. 11; Serial No. 413,522; published Jan. 24, 1939. Class 42.

Penrith-Akers Manufacturing Co., Minneapolis, Minn. Maltless beverages, and syrups and extracts for making same. 366,461; Apr. 11; Serial No. 413,078; published Jan. 24, 1939. Class 45.

Pepperell Manufacturing Company, Boston, Mass. Blankets. 366,462; Apr. 11; Serial No. 413,079; published Jan. 24, 1939. Class 42.

Perrin Glove Company, Inc., New York, N. Y. Woolen piece goods. 366,480; Apr. 11; Serial No. 413,362; published Jan. 24, 1939. Class 42.

Perry Knitting Company, The, Perry, N. Y. Garments. 366,377; Apr. 11; Serial No. 410,920; published Jan. 10, 1939. Class 39.

Phame Publishing Co., Inc., New York, N. Y. Magazines. 366,394; Apr. 11; Serial No. 411,706; published Jan. 31, 1939. Class 38.

Photographic Industries of America, Inc., New York, N. Y. Cameras and camera supplies. 366,406; Apr. 11; Serial No. 412,151; published Jan. 31, 1939. Class 26.

Pierpont & Grow Products, Muncie, Ind. Cleaning and polishing compound. 366,395; Apr. 11; Serial No. 411,752; published Jan. 17, 1939. Class 4.

Pittman & Harrison Company, to E. L. Benzel, doing business as Pittman & Harrison Company, Sherman, Tex., successor. Seeds. 124,876–7; renewed Mar. 18, 1939.

Platt, S. P., Chicago, Ill. Fur coats. 366,365; Apr. 11; Serial No. 409,745; published Jan. 24, 1939. Class 39.

Pleetoox Products Company, St. Louis, Mo. Articles of fabric, particularly sheets and pillowcases. 366,509; Apr. 11. Class 42.

Presto-O-Lite Storage Battery Corporation, Indianapolis, Ind. Storage batteries and parts therefor. 366,330; Apr. 11; Serial No. 399,898; published Jan. 18, 1938. Class 21.

Public Ledger, Inc., Philadelphia, Pa. Heading for comic strip. 366,470; Apr. 11; Serial No. 413,197; published Jan. 31, 1939. Class 38.

Pure Oil Company, The, Chicago, Ill. Gas oils, fuel oils, burning oils for illuminating and heating purposes, etc. 366,313; Apr. 11; Serial No. 359,671; published June 30, 1936. Class 15.

Rauhaus, Arthur, doing business as Kittanning Leather Products, Kittanning, Pa. Leather products. 366,324; Apr. 11; Serial No. 398,335; published Jan. 31, 1939. Class 3.

Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings. 366,498; Apr. 11. Class 35.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Dresses. 366,420; Apr. 11; Serial No. 412,462; published Jan. 10, 1939. Class 39.

Rhodes, Eugene T., St. Louis, Mo. Veneer building slabs. 366,507; Apr. 11. Class 12.

Rice, R. B., Incorporated, Lees Summit, Mo. Sausage. 366,331; Apr. 11; Serial No. 400,437; published Jan. 31, 1939. Class 46.

Richardson Corporation, Rochester, N. Y. Syrups, flavors, concentrates, etc. 355,506; Apr. 11. Class 45.

Riverside Heights Orange Growers Association, The, Riverside, Calif. Fresh citrus fruit. 366,345; Apr. 11; Serial No. 406,603; published July 5, 1938. Class 46.

Rocke International Electric Corp., New York, N. Y. Fixed radio condensers. 366,343; Apr. 11; Serial No. 406,227; published Jan. 31, 1939. Class 21.

Rolab Photo-Science Laboratories. (See Roger, Henry.)

Roger, Henry, doing business as Rolab Photo-Science Laboratories, Sandy Hook, Conn. Optical projection apparatus. 366,351; Apr. 11; Serial No. 407,691; published Jan. 31, 1939. Class 26.

Rutherford Coat Co., Inc., East Rutherford, N. J. Ladies' and misses' coats and suits. 366,459; Apr. 11; Serial No. 413,050; published Jan. 17, 1939. Class 39.

S. & W. Mfg. Co., Downey, Calif. Electrical switches. 366,414; Apr. 11; Serial No. 412,391; published Jan. 31, 1939. Class 21.

Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing tables. 366,321; Apr. 11; Serial No. 393,733; published Jan. 31, 1939. Class 24.

St. Meinrad's Abbey, St. Meinrad, Ind. Blank hospital charts. 366,370; Apr. 11; Serial No. 410,340; published Jan. 31, 1939. Class 37.

Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. 366,320; Apr. 11; Serial No. 392,452; published July 6, 1937. Class 39.

Schieren, Chas. A., Company, New York, N. Y. Glove boxes, hosiery boxes, waste baskets, etc. 366,407; Apr. 11; Serial No. 412,159; published Jan. 24, 1939. Class 2.

Schieren, Chas. A., Company, New York, N. Y. Dressing for leather. 366,466; Apr. 11; Serial No. 413,148; published Jan. 24, 1939. Class 4.

Schwartz, Lewis, doing business as X-Pray Company of America, Brooklyn, N. Y. Substitute for dehydrated fresh and frozen egg yolks. 366,475; Apr. 11; Serial No. 413,281; published Jan. 31, 1939. Class 46.

Science Laboratories, Inc., Cincinnati, Ohio. Electric lamps for ultra violet bathing. 366,374; Apr. 11; Serial No. 410,709; published Jan. 31, 1939. Class 44.

Shores Company, The, Cedar Rapids, Iowa. Mineral feeds for live stock and poultry. 366,438; Apr. 11; Serial No. 412,781; published Jan. 31, 1939. Class 46.

Signal-Stat Corp., Brooklyn, N. Y. Vehicle directional lamps, signal lamps, control switches, etc. 366,340; Apr. 11; Serial No. 405,826; published Jan. 31, 1939. Class 21.

Silex Company, The, Hartford, Conn. Electric switches and automatic circuit breakers. 366,492; Apr. 11. Class 21.

Singer Shaver Corporation, Wilmington, Del. Electric dry shavers. 366,347; Apr. 11; Serial No. 406,887; published Jan. 31, 1939. Class 23.

Smith, J. Howard, New York, N. Y. Fish meal and fish oil. 366,410; Apr. 11; Serial No. 412,270; published Jan. 31, 1939. Class 46.

Smithmeyer, Frederick P., doing business as Tub Scrub Products Company, Topeka, Kans. Cleaning compound. 366,491; Apr. 11. Class 4.

Smith Welding Equipment Corporation, Minneapolis, Minn. Welding rods. 366,472; Apr. 11; Serial No. 413,248; published Jan. 24, 1939. Class 14.

Šokolādes un Konfekšu Ražojumu Tirdzniecibas-Rūpniecibas Akciju Sabiedriba "Laima", Riga, Latvia. Chocolate and candy. 366,344; Apr. 11; Serial No. 406,232; published Jan. 31, 1939. Class 46.

Sorg Paper Co., The, Middletown, Ohio. Facial tissues, tissue towels, and handkerchiefs. 366,467; Apr. 11; Serial No. 413,154; published Jan. 31, 1939. Class 37.

Sorg Paper Co., The, Middletown, Ohio. Toilet tissue. 366,468; Apr. 11; Serial No. 413,155; published Jan. 31, 1939. Class 37.

Southport Paint Company, Inc., Savannah, Ga. Paints, paint enamels, primers, etc. 366,510; Apr. 11. Class 16.

Steefel Brothers Inc., Albany, N. Y. Men's suits and men's coats. 366,355; Apr. 11; Serial No. 408,329; published Jan. 24, 1939. Class 39.

Steffen Ice and Ice Cream Company, The, Wichita, Kans. Pasteurized milk. 366,504; Apr. 11; Class 46.

Sterling Company, The. (See Reliance Manufacturing Company.)

Stewart, Patterson O., doing business as Electro Products Company, New York, N. Y. Electrical indicating device. 366,497; Apr. 11. Class 26.
Strawbridge & Clothier, Philadelphia, Pa. Sheets and pillow cases. 366,483; Apr. 11; Serial No. 413,492; published Jan. 24, 1939. Class 42.
Tallored Silk Undergarment Co., Inc., New York, N. Y. Ladies' slips, chemises, and panties. 366,490; Apr. 11. Class 39.
Tanner, Morris L., Chicago, Ill. Cleaning preparation. 366,425; Apr. 11; Serial No. 412,528; published Jan. 10, 1939. Class 4.
Tapo Citrus Association, Santa Susana, Calif. Fresh citrus fruit. 366,499; Apr. 11. Class 46.
Thurston Cutting Corporation, New York, N. Y. Piece goods. 366,319; Apr. 11; Serial No. 386,782; published Sept. 27, 1938. Class 42.
Tootal Broadhurst Lee Company Limited, Manchester, England. Cotton piece goods. 366,455; Apr. 11; Serial No. 412,985; published Jan. 31, 1939. Class 42.
Triumph Hosiery Mills, Inc., New York, N. Y. Hosiery and stockings. 366,415; Apr. 11; Serial No. 412,398; published Jan. 17, 1939. Class 39.
Tub Scrub Products Company. (See Smithmeyer, Frederick P.)
Tuners Supply Company, Somerville, Mass. Polishes and refinishing preparations. 366,432; Apr. 11; Serial No. 412,671; published Jan. 31, 1939. Class 16.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 366,393; Apr. 11; Serial No. 411,624; published Jan. 17, 1939. Class 43.
Ultra Violet Products Incorporated, Los Angeles, Calif. Light for use in photographic enlarging and printing. 366,367; Apr. 11; Serial No. 410,194; published Jan. 31, 1939. Class 26.
Underwood, John, & Co., Brooklyn, N. Y. Carbon papers and typewriter ribbons. 366,505; Apr. 11. Class 11.
Uneeda Wash Frocks, Inc., New York, N. Y. Dresses. 366,380; Apr. 11; Serial No. 411,140; published Jan. 10, 1939. Class 39.
Union Dental Laboratories, Incorporated, Salt Lake City, Utah. Dental supplies. 366,494; Apr. 11. Class 44.
United States Graphite Company, The, Saginaw, Mich. Graphite. 366,334; Apr. 11; Serial No. 401,683; published Jan. 31, 1939. Class 1.
United States Rubber Company, New York, N. Y. Rainproof overcoats. 125,854; renewed June 17, 1939.
Vanadium-Alloys Steel Company, Latrobe, Pa. High speed tool steel. 366,484; Apr. 11; Serial No. 413,495; published Jan. 31, 1939. Class 14.
Van Zile, Carl R., Warsaw, Ill. Cleaning preparation. 366,469. Apr. 11; Serial No. 413,163; published Jan. 31, 1939. Class 4.
Voigt Milling Company, Grand Rapids, Mich. Wheat flour. 366,442; Apr. 11; Serial No. 412,883; published Jan. 31, 1939. Class 46.
Volpe Coal Company, Pittston, Pa. Coal. 366,456; Apr. 11; Serial No. 412,988; published Jan. 31, 1939. Class 1.
Warren, Northam, Corporation, New York, N. Y. Cuticle-remover and liquid polish for the nails. 126,458; renewed Aug. 26, 1939.
Waverly Growers Cooperative, Waverly, Fla. Fresh citrus fruits. 366,333; Apr. 11; Serial No. 401,631; published Apr. 26, 1938. Class 46.
Wells, Allan W. "Bill", doing business as Wells Feature Syndicate, Hollywood, Calif. News column. 366,387; Apr. 11; Serial No. 411,560; published Jan. 24, 1939. Class 38.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric water heaters. 366,328; Apr. 11; Serial No. 399,433; published Jan. 11, 1938. Class 21.
Wimberley & Thomas Hardware Co., Inc., Birmingham, Ala. Paints. 366,427; Apr. 11; Serial No. 412,574; published Jan. 31, 1939. Class 16.
X-Pray Company of America. (See Schwartz, Lewis.)
Yeasto Manufacturing Company. (See Holcomb, Lloyd M.)

LIST OF REGISTRANTS OF LABELS

Bear Creek Orchards, Medford, Oreg. Oregold. For Fancy Pears and Apples. 52,755; Apr. 11.
Bergman, Benjamin B., Boston, Mass. Boystown Knitwear. For Knitwear. 52,756; Apr. 11.
Brach, E. J., & Sons, Chicago, Ill. Brach's 'Oh-So-Good' Circus Peanuts. For Peanuts. 52,757; Apr. 11.
Burton-Dixie Corporation, doing business as Burton-Dixie, Chicago, Ill. 2 Seater Love Seat. For Love Seats. 52,758; Apr. 11.
Cape Cod Cooks, Inc., Middleboro, Mass. Genuine New England Baked Beans and Brown Bread. For Baked Beans and Brown Bread. 52,759; Apr. 11.
Cape Cod Cooks, Inc., Middleboro, Mass. Cape Cod Cooks. For Cheese Sauce for Welch Rarebit. 52,760; Apr. 11.
Cape Cod Cooks, Inc., Middleboro, Mass. Cape Cod Cooks. For Codfish Pats or Cakes. 52,761; Apr. 11.
Carlton, A. C., doing business as The Putinize Company, San Francisco, Calif. Put-In-Ize Eye-Drops. For Eye Drops. 52,762; Apr. 11.
Central Waxed Paper Company, Chicago, Ill. Prize Winner. For Bread. 52,763; Apr. 11.
Chamberland, Philip, Lowell, Mass. White Flag Bleach. For a Bleach. 52,764; Apr. 11.
Clayton, A. C., Printing Co., St. Louis, Mo. Fine Footwear. For Footwear. 52,765; Apr. 11.
Coca-Cola Company, The, Wilmington, Del. Drink Coca-Cola. For a Carbonated Beverage. 52,766; Apr. 11.
Del-Mor Farms. (See Moore, Clint, Jr.)
Donougher, Ernest, doing business as E. Donougher Cocoanut Products Co., San Francisco, Calif. Sumoa. For Cocoanut Syrup. 52,767; Apr. 11.
Frostkraft Packing Corporation, San Francisco, Calif. Frostcraft. For Frosted Foods. 52,768; Apr. 11.
Ful-O-Tone Company, Houston, Tex. Ful-O-Ton. For a Family Medicine. 52,769; Apr. 11.
Gillespie, Andrew E., Green Bay, Wis. Fyrene. For a Firefighting Device. 52,770; Apr. 11.
Giolitti, A., Sanger, Calif. Baby Virginia. For Fresh Grapes. 52,771; Apr. 11.
Grunow, Alfred, doing business as Private Blends Tobacco Company, Belleville, N. J. Rum-'N-Honey. For a Mixture of Smoking Tobacco. 52,772; Apr. 11.
Guadalupe Cactus Nursery. (See Winkler, Lillian S.)
H & R Skewer Kit Co. (See Wooten, Rufus M.)
Hoague-Sprague Corporation, Lynn, Mass. Arch Improver. For Boxes. 52,773; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Beautiful and Smart Footwear. For Boxes. 52,774; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Boston Standard Shoes. For Boxes. 52,775; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. College Pals. For Boxes. 52,776; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Eight Star. For Boxes. 52,777; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Exquisite Footwear. For Boxes. 52,778; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Jack Smith Compo Featherweight. For Boxes. 52,779; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Kay's Royal Thrift-ees. For Boxes. 52,780; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Marco Polo. For Boxes. 52,781; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Maude Miller. For Boxes. 52,782; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Mexican Style Huaraches. For Boxes. 52,783; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Matrix Shoes. For Boxes. 52,784; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. The New Yorker. For Boxes. 52,785; Apr. 11.
Hoague-Sprague Corporation, Lynn, Mass. Sulco Pedic. For Boxes. 52,786; Apr. 11.
Hunter Baltimore Rye Distillery, Inc., Baltimore, Md. Hunter Blended Whiskey First Over the Bars. For Blended Whiskey. 52,787; Apr. 11.
Hunter Baltimore Rye Distillery, Inc., Baltimore, Md. Hunter Blended Whiskey. For Blended Whiskey. 52,788; Apr. 11.
Lowenfels, F. F., & Son, New York, N. Y. Selected Eggs. For Eggs. 52,789; Apr. 11.
Martin Custom Made Tires Corporation, New York, N. Y. Royalty. For Automobile Tires. 52,790; Apr. 11.
Menasha Products Company, Menasha, Wis. Colonial Ice Cream. For Ice Cream. 52,791; Apr. 11.
Mill Agents and Distributors, Inc., Oakland, Calif. Budget Pack Wite-Flos. For Bathroom Tissue. 52,792–3; Apr. 11.
Mill Agents and Distributors, Inc., Oakland, Calif. Wite-Flos. For Embossed Paper Napkins. 52,794; Apr. 11.
Mill Agents and Distributors, Inc., Oakland, Calif. Budget Pack Wite-Flos. For Bathroom Tissue. 52,795; Apr. 11.
Mill Agents and Distributors, Inc., Oakland, Calif. Wite-Flos. For Waxed Paper. 52,796; Apr. 11.
Millisor, Ed., Columbus, Ohio. Millisor Bacteria Tested Poultry. For Bacteria Tested Poultry. 52,797; Apr. 11.
Moore, C. P., doing business as Con Moore, Arvada, Colo. Con Moore. For Straight Bourbon Whiskey. 52,798; Apr. 11.
Moore, Clint, Jr., doing business as Del-Mor Farms, Palm Beach, Fla. Del-Mor. For Fresh and Canned Vegetables. 52,799; Apr. 11.
National Venetian Blind Co., Los Angeles, Calif. National Blinds. For Blinds. 52,800; Apr. 11.
North Bro's. M'f'g. Co., Philadelphia, Pa. New Uses for "Yankee" Handyman Screw Drivers. For Bits, Chucks, Countersinks and Drills. 52,801; Apr. 11.
North Jersey Paint Co., Inc., Wallington, N. J. Northcolite. For House Paint Undercoat. 52,802; Apr. 11.
Penick & Ford, Ltd. Incorporated, New York, N. Y. Infant Feeding. For a Syrup Which May Be Used as a Carbohydrate Supplement to Milk for Infant Feeding. 52,803; Apr. 11.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Oracin Mouth Wash. For a Mouth Wash. 52,804; Apr. 11.
Private Blends Tobacco Company. (See Grunow, Alfred.)
Putinize Company, The. (See Carlton, A. C.)
Reeves, Daniel, Inc., New York, N. Y. Belle of Erie. For Tea. 52,805; Apr. 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Bunion Pads. 52,806; Apr. 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Callous Pads. 52,807; Apr. 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Corn Pads. 52,808; Apr. 11.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Dr. Scholl's Super-Soft Zino-Pads. For Soft Corn Pads. 52,809; Apr. 11.
Southern Kraft Corporation, New York, N. Y. First Choice Potatoes. For Potatoes. 52,810; Apr. 11.
Spreckels, J. D. and A. B., Company, San Francisco, Calif. Sparkling Tablets. For Sugar. 52,811; Apr. 11.
Standard Brands Incorporated, New York, N. Y. Tender Leaf. For Tea Balls. 52,812; Apr. 11.
Stevens & Thompson Paper Company, Greenwich, N. Y. Soft Spun. For Toilet Tissue. 52,813; Apr. 11.
Ungles, L. A., doing business as Ungles Baking Company, Des Moines, Iowa. Harvest Bread. For Bread. 52,814; Apr. 11.
Union Starch & Refining Company, Columbus, Ind. Demadex—A Well-Timed Source of Dextrose. For a Product Containing Dextrins, Maltose and Dextrose. 52,815; Apr. 11.
Wadhams & Company, Portland, Oreg. Wadhams Coffee—Regular Grind. For Coffee. 52,816; Apr. 11.
Waller, J. L., San Francisco, Calif. Peri Skin Repairer. For a Toilet Preparation. 52,817; Apr. 17.
Winkler, William S., doing business as Guadalupe Cactus Nursery, El Paso, Tex. Miniature Cactus Garden. For Cactus Seeds Planted in Special Soil. 52,818; Apr. 11.
Wooten, Rufus M., doing business as H & R Skewer Kit Co., Fanwood, N. J. H & R Skewer Kit. For Skewer Kits. 52,819; Apr. 11.

LIST OF REGISTRANTS OF PRINTS

Doho Chemical Corporation, The, New York, N. Y. Myringitis—an Important Clinical Entity. For a Medication for Ear Ailments. 17,329; Apr. 11.
Doho Chemical Corporation, The, New York, N. Y. Protoplasmic Poison—Prescribe Auralgan in Place of Phenol-Glycerin. Fora Medication for Ear Complications. 17,330; Apr. 11.
Doho Chemical Corporation, The, New York, N. Y. Auralgan—The Case Against Phenol Glycerin. For a Medication for Ear Complications. 17,331; Apr. 11.
Guarantee Oil Company, The. (See Tuell, John H.)
Hills Bros., San Francisco, Calif. Gather the Rose and Leave the Thorn Behind. For Coffee. 17,332; Apr. 11.
Hills Bros., San Francisco, Calif. No Man Can Make a Good Coat with Bad Cloth. For Coffee. 17,333; Apr. 11.
Hills Bros., San Francisco, Calif. No Tree Falls at the First Stroke. For Coffee. 17,334; Apr. 11.
Hills Bros., San Francisco, Calif. She Knows the Art of Coffee-Making, Too. For Coffee. 17,325; Apr. 11.
Hills Bros., San Francisco, Calif. She Understands Coffee—Making, Too. For Coffee. 17,336; Apr. 11.
Hills Bros., San Francisco, Calif. Too Keen an Edge Does Not Cut. . . Too Fine a Point Does Not Pierce. For Coffee. 17,337; Apr. 11.
Hills Bros., San Francisco, Calif. When the Fox Preaches, Beware of Your Geese. For Coffee. 17,338; Apr. 11.
Hills Bros., San Francisco, Calif. The Worth of Good is Not Known But By Experience. For Coffee. 17,339; Apr. 11.
Hills Bros., San Francisco, Calif. You Cannot Make a Windmill Go With a Pair of Bellows. For Coffee. 17,340; Apr. 11.
McGraw Electric Company, Elgin, Ill. Help Yourself Everybody. For Toasters. 17,341; Apr. 11.
Mells Manufacturing Co., Inc., Brooklyn, N. Y. Mellow Roll. For Chocolate Chewy Candy. 17,342; Apr. 11.
Musebeck Shoe Company, Danville, Ill. Arch-Collapse and Foot-Strain Health Spot Shoes Maintain Both Arch Support and Foot Balance. Nearly 20 Tons of Blood. For Shoes. 17,343; Apr. 11.
Pangburn Company, Fort Worth, Tex. Pecan Square Bar. For Candy. 17,344; Apr. 11.
Parker Pen Company, The, Janesville, Wis. For a Happy Easter and Other Red Letter Days. For Fountain Pens, Mechanical Pencils and Ink. 17,345; Apr. 11.
Ross, Ray, New York, N. Y. Tis-U-Pockerchief. For Plain and Medicinal Impregnated Sheets of Tissue Paper. 17,346; Apr. 11.
Scholl Mfg. Co. Inc., The, Chicago, Ill. New Super-Soft Dr. Scholl's Zino-Pads Cushioned with Kurotex. For Corn Pads. 17,347; Apr. 11.
Scholl Mfg. Co. Inc., The, Chicago, Ill. New Super-Soft Dr. Scholl's Zino-Pads. For Callous Pads. 17,348; Apr. 11.
Scholl Mfg. Co. Inc., The, Chicago, Ill. New Super-Soft Dr. Scholl's Zino-Pads. For Bunion Pads. 17,349; Apr. 11.
Scholl Mfg. Co. Inc., The, Chicago, Ill. New Super-Soft Dr. School's Zino-Pads. For Corn Pads. 17,350; Apr. 11.
Tasty Baking Company, Philadelphia, Pa. TastyKake. For Cup Cakes. 17,351; Apr. 11.
Tasty Baking Company, Philadelphia, Pa. Lunch Time. For Cake. 17,352; Apr. 11.
Tuell, John H., doing business as The Guarantee Oil Company, Connersville, Ind. Red Rose. For Gasoline, Motor Oil and Kerosene. 17,353; Apr. 11.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Volpe Coal Company. 366,456; Apr. 11; Serial No. 412,988; published Jan. 31, 1939.
Graphite. United States Graphite Company. 366,334; Apr. 11; Serial No. 401,683; published Jan. 31, 1939.
Peat moss. Atkins & Durbrow, Inc. 366,428–9; Apr. 11; Serial Nos. 412,580–1; published Jan. 31, 1939.
Seeds. Ferry-Morse Seed Co. 366,399; Apr. 11; Serial No. 411,950; published Jan. 31, 1939.
Seeds. Pittman & Harrison Company. 124,876–7; renewed Mar. 18, 1939.

CLASS 2

Bags, blanket bags, lingerie bags, etc., Garment. Cromwell Paper Company. 366,398; Apr. 11; Serial No. 411,945; published Jan. 17, 1939.
Boxes, hosiery boxes, waste baskets, etc., Glove. Chas. A. Schieren Company. 366,407; Apr. 11; Serial No. 412,159; published Jan. 24, 1939.
Hampers, ash cans, and garbage cans, Clothes. New York Standard Mfg. Co. 366,322; Apr. 11; Serial No. 398,102; published Nov. 16, 1937.

CLASS 3

Leather products. A. Rauhaus. 366,324; Apr. 11; Serial No. 398,335; published Jan. 31, 1939.

CLASS 4

Cleaner, Household. A. Krasne, Inc. 366,358; Apr. 11; Serial No. 408,719; published Jan. 17, 1939.
Cleaners of metallic material, Pot. Metal Textile Corporation. 366,418; Apr. 11; Serial No. 412,455; published Jan. 10, 1939.
Cleaning and polishing compound. Pierpont & Grow Products. 366,395; Apr. 11; Serial No. 411,752; published Jan. 17, 1939.
Cleaning compound. F. P. Smithmeyer. 366,491; Apr. 11.
Cleaning preparation. M. L. Tanner. 366,425; Apr. 11; Serial No. 412,528; published Jan. 10, 1939.
Cleaning preparation. C. R. Van Zile. 366,469; Apr. 11; Serial No. 413,163; published Jan. 31, 1939.
Cleanser. Diversey Corporation. 366,482 Apr. 11; Serial No. 413,436; published Jan. 24, 1939.
Detergent chemical compound. Calgon, Incorporated. 366,431; Apr. 11; Serial No. 412,626; published Jan. 10, 1939.
Dressing for leather. Chas. A. Schieren Company, 366,466; Apr. 11; Serial No. 413,148; published Jan. 24, 1939.
Polish and cleaner, Shoe. P. Cimino. 366,385; Apr. 11; Serial No. 411,431; published Jan. 24, 1939.
Preparation used for cleaning and washing. Gulden Company. 366,488; Apr. 11; Serial No. 413,867; published Jan. 31, 1939.
Saponaceous compounds, shaving cream, soap powder, etc. Lightfoot Schultz Co. 366,409; Apr. 11; Serial No. 412,191; published Jan. 31, 1939.
Soap, Toilet. Colgate-Palmolive-Peet Company. 366,411; Apr. 11; Serial No. 412,289; published Jan. 10, 1939.

CLASS 5

Paste adhesives. Masonite Corporation. 366,368–9; Apr. 11; Serial Nos. 410,261–2; published Jan. 17, 1939.

CLASS 6

Chemicals, medicines, and pharmaceutical preparations. Lloyd Brothers. 124,636; renewed Mar. 4, 1939.

Compound for certain affections and conditions. Lloyd Brothers. 124,638; renewed Mar. 4, 1939.
Cordial for stomach and bowels, Neutralizing. Lloyd Brothers. 124,635; renewed Mar. 4, 1939.
Cuticle-remover and liquid polish for the nails. Northam Warren Corporation. 126,458; renewed Aug. 26, 1939.
Distillate from apocynum cannabium for dropsy and nephritis. Lloyd Brothers. 124,639; renewed Mar. 4, 1939.
Extracts of ergot and a preparation of hydrastis for certain affections. Lloyd Brothers. 124,637; renewed Mar. 4, 1939.
Pharmaceutical products. Lloyd Brothers. 124,640; renewed Mar. 4, 1939.
Preparation of caulophyllum for treatment of amenorrhea, etc. Lloyd Brothers. 124,643; renewed Mar. 4, 1939.
Preparation of echinacea for surgical uses. Lloyd Brothers. 124,642; renewed Mar. 4, 1939.
Product of methyl salicylic acid. Lloyd Brothers. 126,032; renewed July 22, 1939.
Tobacco-distillate. Lloyd Brothers. 124,641; renewed Mar. 4, 1939.

CLASS 9

Matches. Diamond Match Company. 124,823; renewed Mar. 18, 1939.

CLASS 10

Fertilizers. General Chemical Company. 366,405; Apr. 11; Serial No. 412,131; published Jan. 17, 1939.

CLASS 11

Carbon papers and typewriter ribbons. John Underwood & Co. 366,505; Apr. 11.
Varnishes used as a drier in inks. John Maff, Inc. 366,364; Apr. 11; Serial No. 409,532; published Jan. 31, 1939.

CLASS 12

Building slabs, Veneer. E. T. Rhodes. 366,507; Apr. 11.
Materials of construction. General Plastics, Inc. 366,314; Apr. 11; Serial No. 371,867; published Jan. 17, 1939.

CLASS 13

Curtain rod and I-beam curtain rails, I-beam curtain rail splicers, etc. Kroder Reubel Co. Inc. 366,500; Apr. 11.

CLASS 14

Steel, High speed tool. Vanadium-Alloys Steel Company. 366,484; Apr. 11; Serial No. 413,495; published Jan. 31, 1939.
Welding rods. Smith Welding Equipment Corporation. 366,472; Apr. 11; Serial No. 413,248; published Jan. 24, 1939.

CLASS 15

Gasoline. Hudson Oil Co. 366,350; Apr. 11; Serial No. 407,550; published Aug. 16, 1938.
Lubricants. H. A. Montgomery Company. 366,329; Apr. 11; Serial No. 399,851; published Jan. 31, 1939.
Oil, Fuel. Anderson-Prichard Oil Corporation. 366,434; Apr. 11; Serial No. 412,751; published Jan. 24, 1939.
Oils, fuel oils, burning oils for illuminating and heating purposes, etc., Gas. Pure Oil Company. 366,313; Apr. 11; Serial No. 359,671; published June 30, 1936.

CLASS 16

Paints. Wimberley & Thomas Hardware Co. 366,427; Apr. 11; Serial No. 412,574; published Jan. 31, 1939.
Paints, paint enamels, primers, etc. Southport Paint Company. 366,510; Apr. 11.
Polishes and refinishing preparations. Tuners Supply Company. 366,432; Apr. 11; Serial No. 412,671; published Jan. 31, 1939.
Varnishes, stains, japans, etc. General Paint & Varnish Co. 366,435; Apr. 11; Serial No. 412,761; published Jan. 31, 1939.
Varnishes, stains, japans, etc. General Paint & Varnish Co. 366,441; Apr. 11; Serial No. 412,856; published Jan. 31, 1939.
Wax polish, Liquid. Goldsmith Bros. 366,346; Apr. 11; Serial No. 406,713; published Jan. 31, 1939.

CLASS 17

Cigars. Adolph's Cigar Store, S. A. 366,400; Apr. 11; Serial No. 412,019; published Jan. 31, 1939.
Tobacco, Smoking and chewing. Bloch Brothers Tobacco Co. 366,348; Apr. 11; Serial No. 406,909; published Sept. 6, 1938.

CLASS 19

Heaters utilizing hot fluid from the engine. Evans Products Company. 366,337; Apr. 11; Serial No. 403,247; published Jan. 31, 1939.

CLASS 20

Floor-coverings of the oiled-cloth type, Prepared. Congoleum Company. 125,980–1; renewed July 22, 1939.
Floor-coverings of the oiled-cloth type. Congoleum Company. 126,264; renewed Aug. 19, 1939.

CLASS 21

Batteries and parts therefor, Storage. Prest-O-Lite Storage Battery Corporation. 366,330; Apr. 11; Serial No. 399,898; published Jan. 18, 1938.
Electric water heaters. Westinghouse Electric & Manufacturing Company. 366,328; Apr. 11; Serial No. 399,433; published Jan. 11, 1938.
Fan, Electric. New Process Company. 366,326; Apr. 11; Serial No. 398,785; published Jan. 31, 1939.
Flashlights, Electrical. General Mills, Inc. 366,408; Apr. 11; Serial No. 412,180; published Jan. 31, 1939.
Horns and their adjuncts, Electrically actuated. Jubilee Manufacturing Company. 366,501; Apr. 11.
Lamps, Incandescent electric. Arc-Ray Lamp Works. 366,495; Apr. 11.
Lamps, signal lamps, control switches, etc., Vehicle directional. Signal-Stat Corp. 366,340; Apr. 11; Serial No. 405,826; published Jan. 31, 1939.
Radio condensers, Fixed. Rocke International Electric Corp. 366,343; Apr. 11; Serial No. 406,227; published Jan. 31, 1939.
Switches and automatic circuit breakers, Electric. Silex Company. 366,492; Apr. 11.
Switches, Electrical. S. & W. Mfg. Co. 366,414; Apr. 11; Serial No. 412,391; published Jan. 31, 1939.

CLASS 22

Game. Bridge Master, Inc. 366,342; Apr. 11; Serial No. 406,011; published June 21, 1938.
Whistle-calls. J. Hudson. 124,456; renewed Feb. 18, 1939.

CLASS 23

Bits, screw drivers, files, etc., Wood boring auger. Irwin Auger Bit Company. 366,356; Apr. 11; Serial No. 408,573; published Jan. 31, 1939.
Food processing machinery. B. F. Gump Co. 366,391; Apr. 11; Serial No. 411,575; published Jan. 31, 1939.
Knitting machines. Eduard Dubied et Cie. Société Anonyme. 366,413; Apr. 11; Serial No. 412,374; published Jan. 31, 1939.
Machinery appertaining to the textile industry. Curtis & Marble Machine Co. 126,407; renewed Aug. 26, 1939.
Shavers, Electric dry. Singer Shaver Corporation. 366,347; Apr. 11; Serial No. 406,887; published Jan. 31, 1939.
Spades or spatulas, Cosmetic. Colt's Patent Fire Arms Manufacturing Company. 366,332; Apr. 11; Serial No. 401,372; published Jan. 31, 1939.

CLASS 24

Ironing tables, Folding. Saginaw Manufacturing Co. 366,321; Apr. 11; Serial No. 393,733; published Jan. 31, 1939.

CLASS 26

Attachments for bottles for measuring and dispensing liquids therefrom. Bar Mixing Machine & Supply Co. 366,363; Apr. 11; Serial No. 409,454; published Jan. 31, 1939.
Cameras and camera supplies. Photographic Industries of America, Inc. 366,406; Apr. 11; Serial No. 412,151; published Jan. 31, 1939.
Cameras, camera parts, enlarging apparatus, etc. Emby Photo and Film Machine Corp. 366,378; Apr. 11; Serial No. 410,953; published Jan. 31, 1939.
Electrical indicating device. P. O. Stewart. 366,497; Apr. 11.
Light for use in photographic enlarging and printing. Ultra Violet Products Incorporated. 366,367; Apr. 11; Serial No. 410,194; published Jan. 31, 1939.
Optical projection apparatus. H. Roger. 366,351; Apr. 11; Serial No. 407,691; published Jan. 31, 1939.
Registers, credit registers, autographic registers, etc., Cash. National Cash Register Company. 366,402–4; Apr. 11; Serial Nos. 412,058–60; published Jan. 31, 1939.

CLASS 34

Heaters, water heaters, and air conditioning units, Oil burning. Evans Products Company. 366,360; Apr. 11; Serial No. 408,996; published Jan. 31, 1939.

CLASS 35

Clutch facings. Raybestos-Manhattan, Inc. 366,498; Apr. 11.
Tire and tube repair outfits, dough kits, etc. Bowes "Seal Fast" Corporation. 366,508; Apr. 11.

CLASS 37

Charts, Blank hospital. St. Meinrad's Abbey. 366,370; Apr. 11; Serial No. 410,340; published Jan. 31, 1939.
Paper, and mailing envelopes. McBee Company. 366,359; Apr. 11; Serial No. 408,756; published Jan. 31, 1939.
Paper; and stationery. National Cash Register Company. 366,464–5; Apr. 11; Serial Nos. 413,134–5; published Jan. 31, 1939.
Paper, Safety. E. E. Lloyd Paper Co. 124,739–40; renewed Mar. 11, 1939.
Paper, Waterproof shipping. Cromwell Paper Co. 366,496; Apr. 11.
Ribbons of cellophane or the like. Norcross. 366,471; Apr. 11; Serial No. 413,234; published Jan. 31, 1939.
Tissue, Toilet. Sorg Paper Co. 366,468; Apr. 11. Serial No. 413,155; published Jan. 31, 1939.
Tissues, tissue towels, and handkerchiefs, Facial. Sorg Paper Co. 366,467; Apr. 11; Serial No. 413,154; published Jan. 31, 1939.

CLASS 38

Cartoon series. King Features Syndicate, Inc. 366,426; Apr. 11; Serial No. 412,555; published Jan. 24, 1939.
Column, News. A. W. Wells. 366,387; Apr. 11; Serial No. 411,560; published Jan. 24, 1939.
Heading for comic strip. Public Ledger, Inc. 366,470; Apr. 11; Serial No. 413,197; published Jan. 31, 1939.
Magazines. Phame Publishing Co. 366,394; Apr. 11; Serial No. 411,706; published Jan. 31, 1939.
Newspaper column. E. Evans. 366,476; Apr. 11; Serial No. 413,302; published Jan. 31, 1939.
Publication. Designers for Industry, Inc. 366,371; Apr. 11; Serial No. 410,456; published Jan. 31, 1939.
Publication. Evans-Winter-Herb Inc. 366,417; Apr. 11; Serial No. 412,442; published Jan. 24, 1939.
Publication. E. Jacobson. 366,477; Apr. 11; Serial No. 413,310; published Jan. 31, 1939.
Publication, Periodical. College Years Publications, Inc. 366,444; Apr. 11; Serial No. 412,899; published Jan. 31, 1939.
Publications. Haywood Publishing Company. 366,458; Apr. 11; Serial No. 413,015; published Jan. 31, 1939.
Series of cartoons. Chicago Tribune-New York News Syndicate, Inc. 366,416; Apr. 11; Serial No. 412,438; published Jan. 31, 1939.

CLASS 39

Apparel, and fur trimmings, Manufactured fur wearing. Lenkowsky Bros. Furs, Inc. 366,384; Apr. 11; Serial No. 411,420; published Jan. 31, 1939.
Apparel, Outer. Kirby, Block & Fischer, Inc. 366,436; Apr. 11; Serial No. 412,766; published Jan. 10, 1939.
Blouses. I. Geist. 366,422; Apr. 11; Serial No. 412,502; published Jan. 17, 1939.
Chemises, princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 366,320; Apr. 11; Serial No. 392,452; published July 6, 1937.
Clothing and accessories, Boys'. Abraham & Straus, Inc. 366,430; Apr. 11; Serial No. 412,623; published Jan. 31, 1939.
Coats. Bagedonow Bros. Inc. 366,440; Apr. 11; Serial No. 412,848; published Jan. 17, 1939.
Coats and suits, cloaks, and capes. Continental Mills, Inc. 366,379; Apr. 11; Serial No. 411,086; published Jan. 10, 1939.
Coats and suits, Ladies' and misses'. Rutherford Coat Co. 366,459; Apr. 11; Serial No. 413,050; published Jan. 17, 1939.
Coats, Fur. I. J. Fox Inc. 366,392; Apr. 11; Serial No. 411,600; published Jan. 17, 1939.
Coats, Fur. S. P. Platt. 366,365; Apr. 11; Serial No. 409,745; published Jan. 24, 1939.
Coats, slacks, pajamas, etc., Sport. N. King. 366,362; Apr. 11; Serial No. 409,116; published Jan. 10, 1939.
Coats, suits, and coat and suit combinations, Ladies' and misses'. Gordon V. Lyons, Inc. 366,479; Apr. 11; Serial No. 413,347; published Jan. 10, 1939.
Coats, Waterproof and leather. Chas. Macintosh & Company. 366,341; Apr. 11; Serial No. 405,993; published Jan. 10, 1939.
Dresses. Reliance Manufacturing Company. 366,420; Apr. 11; Serial No. 412,462; published Jan. 10, 1939.
Dresses. Uneeda Wash Frocks, Inc. 366,380; Apr. 11; Serial No. 411,140; published Jan. 10, 1939.
Dresses and frocks. Gottfried Company. 366,375; Apr. 11; Serial No. 410,865; published Jan. 31, 1939.
Dresses, blouses, and jumpers, Children's. L. J. Goldberger. 366,376; Apr. 11; Serial No. 410,875; published Jan. 17, 1939.
Dresses, Cotton. Chicago Mail Order Company. 366,397; Apr. 11; Serial No. 411,939; published Jan. 17, 1939.
Dresses, jackets, and coats. Horwitz & Duberman. 366,445; Apr. 11; Serial No. 412,907; published Jan. 24, 1939.
Garments. Manville Jenckes Corporation. 366,323; Apr. 11; Serial No. 397,040; published Jan. 31, 1939.
Garments. Perry Knitting Company. 366,377; Apr. 11; Serial No. 410,920; published Jan. 10, 1939.
Garments, Outer. Cohen, Goldman & Co. Inc. 366,503; Apr. 11.
Hosiery. Bear Brand Hosiery Co. 366,443; Apr. 11; Serial No. 412,897; published Jan. 17, 1939.
Hosiery. Elting Brothers. 366,352; Apr. 11; Serial No. 407,801; published Jan. 10, 1939.
Hosiery. Hanes Hosiery Mills Company. 366,382; Apr. 11; Serial No. 411,296; published Jan. 17, 1939.
Hosiery and stockings. Triumph Hosiery Mills, Inc. 366,415; Apr. 11; Serial No. 412,398; published Jan. 17, 1939.
Hosiery, Silk crepe. Massachusetts Knitting Mills. 366,493; Apr. 11.
Nightgowns. Collegiate Manufacturing Company. 366,449; Apr. 11; Serial No. 412,953; published Jan. 10, 1939.
Overalls and work clothes. Eloesser-Heynemann Co. 124,832; renewed Mar. 18, 1939.
Overcoats, Rain-proof. United States Rubber Company. 125,854; renewed June 17, 1939.
Shoes. Helming-McKenzie Shoe Company. 126,287; renewed Aug. 19, 1939.
Shorts, Men's and boys'. Carmi-Feature Underwear, Inc. 366,325; Apr. 11; Serial No. 398,708; published Jan. 17, 1939.
Slips, chemises, and panties, Ladies'. Tailored Silk Undergarment Co. 366,490; Apr. 11.
Suits. Levy Bros. & Adler Rochester, Incorporated. 366,437; Apr. 11; Serial No. 412,770; published Jan. 10, 1939.
Suits and coats, Men's. Steefel Brothers Inc. 366,355; Apr. 11; Serial No. 408,329; published Jan. 24, 1939.
Suits and overcoats. Sanders A. Levinsohn, Inc. 366,423–4; Apr. 11; Serial Nos. 412,509–10; published Jan. 17, 1939.
Suits and pants. Megit Clothing Company. 366,372; Apr. 11; Serial No. 410,514; published Jan. 24, 1939.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 366,457; Apr. 11; Serial No. 413,013; published Jan. 10, 1939.
Sweaters and sweater coats. Bamberger-Reinthal Company. 366,439; Apr. 11; Serial No. 412,793; published Jan. 10, 1939.
Undergarment for women. Model Brassiere Corp. 366,463; Apr. 11; Serial No. 413,133; published Jan. 31, 1939.
Undergarments, Ladies'. Philip S. Bloom Co. 366,412; Apr. 11; Serial No. 412,327; published Jan. 31, 1939.
Uniforms, dresses, slacks, etc., Women's and children's. Dutl-Duds, Inc. 366,373; Apr. 11; Serial No. 410,689; published Jan. 31, 1939.
Uniforms, Sanitary white. Brew-Schneider, Inc. 366,433; Apr. 11; Serial No. 412,693; published Jan. 10, 1939.

CLASS 42

Articles made of fabric, particularly sheets and pillow-cases. Pleetoox Products Company. 366,509; Apr. 11.
Blankets. Pepperell Manufacturing Company. 366,462; Apr. 11; Serial No. 413,079; published Jan. 24, 1939.
Blankets and woolen piece goods. J. C. Penney Company. 366,485; Apr. 11; Serial No. 413,522; published Jan. 24, 1939.
Cotton fabrics. H. M. Kolbe Co. 366,474; Apr. 11; Serial No. 413,269; published Jan. 24, 1939.
Cotton piece goods. Tootal Broadhurst Lee Company Limited. 366,455; Apr. 11; Serial No. 412,985; published Jan. 31, 1939.
Cloth, Window shade. Columbia Mills, Inc. 366,450–4; Apr. 11; Serial Nos. 412,955–9; published Jan. 31, 1939.
Curtains, Window. Bartmann & Bixer Inc. 366,448; Apr. 11; Serial No. 412,936; published Jan. 31, 1939.
Fabric of acetate and silk. Brand & Oppenheimer, Inc. 366,366; Apr. 11; Serial No. 409,800; published Jan. 31, 1939.
Fabrics, Dress. H. Bates Co. 366,421; Apr. 11; Serial No. 412,489; published Jan. 24, 1939.
Piece goods. Thurston Cutting Corporation. 366,319; Apr. 11; Serial No. 386,782; published Sept. 27, 1938.
Piece goods, Textile. North American Rayon Corporation. 366,386; Apr. 11; Serial No. 411,464; published Jan. 24, 1939.
Ribbons. Blossom Products Corporation. 366,315; Apr. 11; Serial No. 373,244; published Mar. 3, 1936.
Rugs and carpets, Sisal. Hodges Carpet Company. 366,502; Apr. 11.
Sheets and pillow cases. Strawbridge & Clothier. 366,483; Apr. 11; Serial No. 413,402; published Jan. 24, 1939.
Veils. David Dubin, Inc. 366,339; Apr. 11; Serial No. 405,016; published Jan. 24, 1939.
Woolen flannel piece goods. Folkard & Lawrence, Inc. 366,336; Apr. 11; Serial No. 403,203; published Jan. 24, 1939.
Woolen piece goods. Perrin Glove Company. 366,480; Apr. 11; Serial No. 413,362; published Jan. 24, 1939.

CLASS 43

Thread and yarn. North American Rayon Corporation. 366,383; Apr. 11; Serial No. 411,382; published Jan. 17, 1939.
Yarns. Bernhard Ulmann Co. Inc. 366,393; Apr. 11; Serial No. 411,624; published Jan. 17, 1939.
Yarns, Synthetic resin. Carbide and Carbon Chemicals Corporation. 366,381; Apr. 11; Serial No. 411,195; published Jan. 31, 1939.

CLASS 44

Dental supplies. Union Dental Laboratories, Incorporated. 366,494; Apr. 11.
Lamps for ultra violet bathing, Electric. Science Laboratories, Inc. 366,374; Apr. 11; Serial No. 410,709; published Jan. 31, 1939.
Plasters for rupture, Medicated. Collette and Markle. 366,487; Apr. 11; Serial No. 413,855; published Jan. 31, 1939.

CLASS 45

Beverages, and syrups and extracts for making same, Maltless. Brady Products Co. 366,353; Apr. 11; Serial No. 408,006; published Dec. 27, 1938.
Beverages, and sirups and extracts for making same, Maltless. Concordade Company. 366,460; Apr. 11; Serial No. 413,064; published Jan. 24, 1939.
Beverages, and sirups and extracts for making same, Maltless. Concordale Company. 366,486; Apr. 11; Serial No. 413,540; published Jan. 31, 1939.
Beverages, and syrups, extracts, and flavors. Gosman Company. 366,481; Apr. 11; Serial No. 413,402; published Jan. 31, 1939.

Beverages, and sirups and extracts for making same, Maltless. Penrith-Akers Manufacturing Co. 366,461; Apr. 11; Serial No. 413,078; published Jan. 24, 1939.
Beverages, concentrates, and extracts, Maltless. Caltone Corporation. 366,354; Apr. 11; Serial No. 408,155; published Jan. 24, 1939.
Colors for beverages, Caramel. Penick & Ford, Ltd. Incorporated. 366,446; Apr. 11; Serial No. 412,920; published Jan. 31, 1939.
Syrups, flavors, concentrates, etc. Richardson Corporation. 366,506; Apr. 11.

CLASS 46

Apples, Fresh. A. M. Greene. 366,338; Apr. 11; Serial No. 404,250; published Jan. 31, 1939.
Butter. Isaly Dairy Company. 124,930; renewed Mar. 25, 1939.
Candy. General Food Products Company. 366,511; Apr. 11.
Chocolate and candy. Šokolādes un Konfekšu Razojumu Tirdzniecibas-Rupniecibas Akciju Sabiedriba "Laima". 366,344; Apr. 11; Serial No. 406,232; published Jan. 31, 1939.
Coffee. General Foods Corporation. 366,316; Apr. 11; Serial No. 384,458; published Jan. 31, 1939.
Coffee, coffee essences, roasted chicory, etc. Kaiser's Kaffeegeschäft Gesellschaft mit beschränkter Haftung. 366,396; Apr. 11; Serial No. 411,783; published Jan. 24, 1939.
Compound of sorghum and corn-syrup. New Orleans Coffee Co. 122,097; renewed June 25, 1938.
Feeds for live stock and poultry, Mineral. Shores Company. 366,438; Apr. 11; Serial No. 412,781; published Jan. 31, 1939.
Fish meal and fish oil. J. H. Smith. 366,410; Apr. 11; Serial No. 412,270; published Jan. 31, 1939.
Flour, rolled oats; canned seafood; etc., Wheat. Connell Bros. Company Limited. 366,357; Apr. 11; Serial No. 408,692; published Jan. 31, 1939.
Flour, Wheat. Voigt Milling Company. 366,442; Apr. 11; Serial No. 412,883; published Jan. 31, 1939.
Fruit, Fresh citrus. Riverside Heights Orange Growers Association. 366,345; Apr. 11; Serial No. 406,603; published July 5, 1938.
Fruit, Fresh citrus. Tapo Citrus Association. 366,499; Apr. 11.
Fruit juices. E. L. Heebner. 366,317–18; Apr. 11; Serial No. 385,668–9; published Jan. 31, 1939.
Fruits, Citrus. Florida Citrus Exchange. 366,478; Apr. 11; Serial No. 413,341; published Jan. 31, 1939.
Fruits, Fresh. Bayview Citrus Association. 366,473; Apr. 11; Serial No. 413,261; published Jan. 31, 1939.
Fruits, Fresh citrus. Waverly Growers Cooperative. 366,333; Apr. 11; Serial No. 401,631; published Apr. 26, 1938.
Jams, Fruit preserves, marmalade, etc. Wm. P. Hartley, Limited. 366,361; Apr. 11; Serial No. 409,034; published Jan. 31, 1939.
Material for flavoring and improving soups and sauces. Meyer & Lange, Inc. 366,401; Apr. 11; Serial No. 412,039; published Jan. 31, 1939.
Milk, Pasteurized. Steffen Ice and Ice Cream Company. 366,504; Apr. 11.
Molasses, sorghums, cane and maple syrups, and compounds thereof. New Orleans Coffee Co. Ltd. 121,643; renewed May 14, 1938.
Olives, Canned. Fair Oaks Fruit Company. 366,349; Apr. 11; Serial No. 407,183; published Jan. 31, 1939.
Package of spaghetti and cheese, Composite. John B. Canepa Company. 366,388–90; Apr. 11; Serial No. 411,567–9; published Jan. 31, 1939.
Potato chips. W. J. Croft. 126,268; renewed Aug. 19, 1939.
Sausage. R. B. Rice, Incorporated. 366,331; Apr. 11; Serial No. 400,437; published Jan. 31, 1939.
Substitute for dehydrated fresh and frozen egg yolks. L. Schwartz. 366,475; Apr. 11; Serial No. 413,281; published Jan. 31, 1939.
Vegetables, Fresh. Musante-Williams, Inc. 366,419; Apr. 11; Serial No. 412,456; published Jan. 31, 1939.
Vegetables, Frozen fresh. S. B. Doughty. 366,335; Apr. 11; Serial No. 401,893; published Jan. 31, 1939.
Yeast preparation. L. M. Holcomb. 366,327; Apr. 11; Serial No. 399,188; published Jan. 31, 1939.

CLASS 48

Colors for malt beverages, Caramel. Penick & Ford, Ltd. Incorporated. 366,447; Apr. 11; Serial No. 412,921; published Jan. 31, 1939.

CLASS 49

Whiskey, gin, rum, etc. A. I. Namm & Son. 366,489; Apr. 11.

LIST OF LABELS

Arch Improver. For Boxes. Hoague-Sprague Corporation. 52,773; Apr. 11.
Baby Virginia. For Fresh Grapes. A. Giolitti. 52,771; Apr. 11.
Beautiful and Smart Footwear. For Boxes. Hoague-Sprague Corporation. 52,774; Apr. 11.
Belle of Elre. For Tea. Daniel Reeves. Inc. 52,805; Apr. 11.
Boston Standard Shoes. For Boxes. Hoague-Sprague Corporation. 52,775; Apr. 11.
Boystown Knitwear. For Knitwear. B. B. Bergman. 52,756; Apr. 11.
Brach's 'Oh-So-Good' Circus Peanuts. For Peanuts. E. J. Brach & Sons. 52,757; Apr. 11.
Budget Pack Wite-Flos. For Bathroom Tissue. Mill Agents and Distributors, Inc. 52,792–3; Apr. 11.
Budget Pack. Wite-Flos. For Bathroom Tissue. Mill Agents and Distributors, Inc. 52,795; Apr. 11.
Cape Cod Cooks. For Cheese Sauce for Welch Rarebit. Cape Cod Cooks, Inc. 52,760; Apr. 11.
Cape Cod Cooks. For Cheese Sauce for Welch Rarebit. Cape Cod Cooks, Inc. 52,760; Apr. 11.
Cape Cod Cooks. For Codfish Pats or Cakes. Cape Cod Cooks, Inc. 52,761; Apr. 11.
College Pals. For Boxes. Hoague-Sprague Corporation. 52,776; Apr. 11.
Colonial Ice Cream. For Ice Cream. Menasha Products Company. 52,791; Apr. 11.
Con Moore. For Straight Bourbon Whiskey. C. P. Moore. 52,798; Apr. 11.
Del-Mor. For Fresh and Canned Vegetables. C. Moore, Jr. 52,799; Apr. 11.
Demadex—A Well-Timed Source of Dextrose. For a Product Containing Dextrins, Maltose, and Dextrose. Union Starch & Refining Company. 52,815; Apr. 11.
Drink Coca-Cola. For a Carbonated Beverage. Coca-Cola Company. 52,766; Apr. 11.
Dr. Scholl's Super-Soft Zino-Pads. For Bunion Pads. Scholl Mfg. Co. 52,806; Apr. 11.
Dr. Scholl's Super-Soft Zino-Pads. For Callous Pads. Scholl Mfg. Co. 52,807; Apr. 11.
Dr. Scholl's Super-Soft Zino-Pads. For Corn Pads. Scholl Mfg. Co. 52,808; Apr. 11.
Dr. Scholl's Super-Soft Zino-Pads. For Soft Corn Pads. Scholl Mfg. Co. 52,809; Apr. 11.
Eight Star. For Boxes. Hoague-Sprague Corporation. 52,777; Apr. 11.
Exquisite Footwear. For Boxes. Hoague-Sprague Corporation. 52,778; Apr. 11.
Fine Footwear. For Footwear. A. C. Clayton Printing Co. 52,765; Apr. 11.
First Choice Potatoes. For Potatoes. Southern Kraft Corporation. 52,810; Apr. 11.
Frostcraft. For Frosted Foods. Frostkraft Packing Corporation. 52,768; Apr. 11.
Ful-O-Ton. For a Family Medicine. Ful-O-Tone Company. 52,769; Apr. 11.
Genuine New England Baked Beans and Brown Bread. For Baked Beans and Brown Bread. Cape Cod Cooks, Inc. 52,759; Apr. 11.
H & R Skewer Kit. For Skewer Kits. R. M. Wooten 52,819; Apr. 11.
Harvest Bread. For Bread. L. A. Ungles. 52,814; Apr. 11.
Hunter Blended Whiskey First Over the Bars. For Blended Whiskey. Hunter Baltimore Rye Distillery, Inc. 52,787; Apr. 11.
Hunter Blended Whiskey. For Blended Whiskey. Hunter Baltimore Rye Distillery, Inc. 52,788; Apr. 11.
Infant Feeding. For a Syrup Which May be Used as a Carbohydrate Supplement to Milk for Infant Feeding. Penick & Ford, Ltd. Incorporated. 52,803; Apr. 11.
Jack Smith Compo Featherweight. For Boxes. Hoague-Sprague Corporation. 52,779; Apr. 11.
Kay's Royal Thrif-ees. For Boxes. Hoague-Sprague Corporation. 52,780; Apr. 11.
Marco Polo. For Boxes. Hoague-Sprague Corporation. 52,781; Apr. 11.
Maude Miller. For Boxes. Hoague-Sprague Corporation. 52,782; Apr. 11.
Matrix Shoes. For Boxes. Hoague-Sprague Corporation. 52,784; Apr. 11.
Mexican Style Huaraches. For Boxes. Hoague-Sprague Corporation. 52,783; Apr. 11.
Millisor Bacteria Tested Poultry. For Bacteria Tested Poultry. E. Millisor. 52,797; Apr. 11.
Miniature Cactus Garden. For Cactus Seeds Planted in Special Soil. L. S. Winkler. 52,818; Apr. 11.
National Blinds. For Blinds. National Venetian Blind Co. 52,800; Apr. 11.
New Uses for "Yankee" Handyman Screw Drivers. For Bits, Chucks, Countersinks and Drills. North Bro's. M'f'g. Co. 52,801; Apr. 11.
Northcolite. For House Paint Undercoat. North Jersey Paint Co. 52,802; Apr. 11.
Oracin Mouth Wash. For a Mouth Wash. S. Pfeiffer Mfg. Co. 52,804; Apr. 11.
Oregold. For Fancy Pears and Apples. Bear Creek Orchards. 52,755; Apr. 11.

Peri Skin Repairer. For a Toilet Preparation. J. L. Waller. 52,817; Apr. 11.
Prize Winner. For Bread. Central Waxed Paper Company. 52,763; Apr. 11.
Put-In-Ize Eye-Drops. For Eye Drops. A. C. Carlton. 52,762; Apr. 11.
Pyrene. For a Firefighting Device. A. E. Gillespie. 52,770; Apr. 11.
Royalty. For Automobile Tires. Martin Custom Made Tires Corporation. 52,790; Apr. 11.
Rum-'N Honey. For a Mixture of Smoking Tobacco. A. Grunow. 52,772; Apr. 11.
Selected Eggs. For Eggs. F. F. Lowenfels & Son. 52,789; Apr. 11.
Soft Spun. For Toilet Tissue. Stevens & Thompson Paper Company. 52,813; Apr. 11.
Sparkling Tablets. For Sugar. J. D. and A. B. Spreckels Company. 52,811; Apr. 11.
Sulco Pedic. For Boxes. Hoague-Sprague Corporation. 52,786; Apr. 11.
Sumoa. For Cocoanut Syrup. E. Donougher. 52,767; Apr. 11.
Tender Leaf. For Tea Balls. Standard Brands Incorporated. 52,812; Apr. 11.
The New Yorker. For Boxes. Hoague-Sprague Corporation. 52,785; Apr. 11.
2 Seater Love Seat. For Love Seats. Burton-Dixie Corporation. 52,758; Apr. 11.
Wadhams Coffee—Regular Grind. For Coffee. Wadhams & Company. 52,816; Apr. 11.
White Flag Bleach. For a Bleach. P. Chamberland. 52,764; Apr. 11.
Wite-Flos. For Embossed Paper Napkins. Mill Agents and Distributors, Inc. 52,794; Apr. 11.
Wite-Flos. For Waxed Paper. Mill Agents and Distributors, Inc. 52,796; Apr. 11.

LIST OF PRINTS

Arch-Collapse and Foot-Strain Health Spot Shoes Maintain Both Arch Support and Foot Balance Nearly 20 Tons of Blood. For Shoes. Musebeck Shoe Company. 17,343; Apr. 11.
Auralgan—The Case Against Phenol Glycerin. For a Medication for Ear Complications. Doho Chemical Corporation. 17,331; Apr. 11.
For a Happy Easter and Other Red Letter Days. For Fountain Pens, Mechanical Pencils and Ink. Parker Pen Company. 17,345; Apr. 11.
Gather the Rose and Leave the Thorn Behind. For Coffee. Hills Bros. 17,332; Apr. 11.
Help Yourself Everybody. For Toasters. McGraw Electric Company. 17,341; Apr. 11.
Lunch Time. For Cake. Tasty Baking Company. 17,352; Apr. 11.
Mellow Roll. For Chocolate Chewy Candy. Mells Manufacturing Co. 17,342; Apr. 11.
Myringitis—an Important Clinical Entity. For a Medication for Ear Ailments. Doho Chemical Corporation. 17,329; Apr. 11.
New Super-Soft Dr. Scholl's Zino-Pads Cushioned with Kurotex. For Corn Pads. Scholl Mfg. Co. Inc. 17,347; Apr. 11.
New Super-Soft Dr. Scholl's Zino-Pads. For Bunion Pads. Scholl Mfg. Co. Inc. 17,349; Apr. 11.
New Super-Soft Dr. Scholl's Zino-Pads. For Callous Pads. Scholl Mfg. Co. Inc. 17,348; Apr. 11.
New Super-Soft Dr. Scholl's Zino-Pads. For Corn Pads. Scholl Mfg. Co. Inc. 17,350; Apr. 11.
No Man Can Make a Good Coat with Bad Cloth. For Coffee. Hills Bros. 17,333; Apr. 11.
No Tree Falls at the First Stroke. For Coffee. Hills Bros. 17,334; Apr. 11.
Pecan Square Bar. For Candy. Pangburn Company. 17,344; Apr. 11.
Protoplasmic Poison—Prescribe Auralgan in Place of Phenol-Glycerin. For a Medication for Ear Complications. Doho Chemical Corporation. 17,330; Apr. 11.
Red Rose. For Gasoline, Motor Oil and Kerosene. J. H. Tuell. 17,353; Apr. 11.
She Knows the Art of Coffee-Making, Too. For Coffee. Hills Bros. 17,335; Apr. 11.
She Understands Coffee-Making, Too. For Coffee. Hills Bros. 17,336; Apr. 11.
TastyKake. For Cup Cakes. Tasty Baking Company. 17,351; Apr. 11.
The Worth of Good is Not Known But by Experience. For Coffee. Hills Bros. 17,339; Apr. 11.
Tis-U-Pockerchief. For Plain and Medicinal Impregnated Sheets of Tissue Paper. R. Ross. 17,346; Apr. 11.
Too Keen an Edge Does Not Cut . . . Too Fine a Point Does Not Pierce. For Coffee. Hills Bros. 17,337; Apr. 11.
When the Fox Preaches. Beware of Your Geese. For Coffee. Hills Bros. 17,338; Apr. 11.
You Cannot Make a Windmill Go With a Pair of Bellows. For Coffee. Hills Bros. 17,340; Apr. 11.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bright, Elvin M., Dayton, assignor to J. M. Wallace, Cincinnati, Ohio, trustee. Process of and apparatus for applying nitrocellulose coating. Re. 21,045; Apr. 11.

Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)

Ferro-Alloy Incorporated. (See Hardesty, Ben F., assignor.)

Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Apparatus for producing molds. Re. 21,046; Apr. 11.

Hardesty, Ben F., Scarborough, N. Y., assignor, by mesne assignments, to Ferro-Alloy Incorporated, Pittsburgh, Pa. Making ferro-alloys and of making alloy steels from such alloys and in compositions for use in such processes. Re. 21,047; Apr. 11.

Roscoe, Edwin S., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Apparatus for sorting papers, cards, and the like. Re. 21,048; Apr. 11.

Wallace, John M., trustee. (See Bright, Elvin M., assignor.)

Yawman & Erbe Mfg. Co. (See Roscoe, Edwin S., assignor.)

LIST OF DESIGN PATENTEES

Allen, Elbert W., Belgium, Wis. Shoe. 114,276; Apr. 11.

American Can Company. (See Worthington, Everett, assignor.)

Andersen, Leif, and E. A. Fredrickson, Chicago, and T. P. Newman, Geneva, Ill., H. R. Van Sciver, Trenton, N. J., and R. H. Zinkil, Oak Park, Ill. Folding type closet bowl and mounting therefor. 114,166; Apr. 11.

Andersen, Leif, and E. A. Fredrickson, Chicago, Ill., H. R. Van Sciver, Trenton, N. J., and R. H. Zinkil, Oak Park, Ill. Swivel type closet bowl and mounting therefor. 114,167; Apr. 11.

Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Elastic fabric or similar article. 114,305; Apr. 11.

Becker, Fred H., and L. F. Peabody, assignors to The Ohio Leather Company, Girard, Ohio. Leather or similar article of manufacture. 114,258; Apr. 11.

Berliner, Eleanor S., Westchester County, assignor to Injection Moulding Corp., New York, N. Y. Folding curler comb. 114,168; Apr. 11.

Birdseye, Clarence, and H. D. Wilson, Gloucester, and W. N. Heath, Rockport, Mass., assignors to Birdseye Electric Corporation, Dover, Del. Lamp socket. 114,169; Apr. 11.

Birdseye Electric Corporation. (See Birdseye, C., Wilson, and Heath, assignors.)

Blanchard, Royal L., assignor to Roy Toy Company, Worcester, Mass. Advertising card. 114,257; Apr. 11.

Bowen, Alfred O., and F. E. Taylor, East Gadsden, Ala. Display stand. 114,170; Apr. 11.

Bowen, Alfred O., and F. E. Taylor, East Gadsden, Ala. Display stand. 114,171; Apr. 11.

Brenkert, Karl, assignor to Brenkert Light Projection Co., Detroit, Mich. Combination motion picture projector and pedestal therefor. 114,259; Apr. 11.

Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)

Brotzman, Walter F., and B. H. Statter, assignors to Display Center, Baltimore, Md. Wall case for phonograph records. 114,172; Apr. 11.

Brunetti, Joseph, Carlstadt, N. J. Goggle. 114,260; Apr. 11.

Byrnes, Phyllis, New York, N. Y. Dress. 114,277; Apr. 11.

Carl-Art, Inc. (See Volk, Paul F., assignor.)

Cartier, Inc. (See Graeter, Harold, assignor.)

Chorbajian, Joseph B., New York, N. Y. Bracelet or similar article. 114,206; Apr. 11.

Coiclough China Ltd. (See Perry, John H., assignor.)

Corey, Ross T., Richmond, Calif. Metal barrel. 114,207; Apr. 11.

Cruveilher, Louis, assignor to Gunthel & Cruveilher, New York, N. Y. Plate or the like. 114,173; Apr. 11.

De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)

Display Center. (See Brotzman, W. F., and Statter, assignors.)

Dorée, Silvia, New York, N. Y. Shoe or similar article. 114,261; Apr. 11.

Dreyfuss, Henry, assignor to General Time Instruments Corporation, New York, N. Y. Clock casing. 114,262; Apr. 11.

Dunnock, John L., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Bottle. 114,208; Apr. 11.

Du Pont, E. I., de Nemours & Company. (See Quint, Bertram M., assignor.)

Eklund, Chester F., assignor to D. M. Fox, New York, N. Y. Combined bottle stopper and liquid pourer. 114,209; Apr. 11.

Felder, Hiram, Roselle, N. J. Vanity chest or analogous article. 114,174; Apr. 11.

Feldman, David B., New York, N. Y. Coat. 114,278; Apr. 11.

Florman, Irving, New York, N. Y. Combined keyhold lighter and key ring. 114,210; Apr. 11.

Fox, Daniel M. (See Eklund, Chester F., assignor.)

Francke, Harry, Kansas City, Mo. Screw cap removing implement. 114,211; Apr. 11.

Frank, Adolf, Long Beach, N. Y. Wedding veil. 114,248; Apr. 11.

Fredrickson, Edward A. (See Andersen, L., Fredrickson, Newman, Van Sciver, and Zinkil.)

Fredrickson, Edward A. (See Andersen, L., Fredrickson, Van Sciver, and Zinkil.)

Frey, William J., Grafton, W. Va. Plate or similar article. 114,175; Apr. 11.

Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)

Frontman, Sam E., New York, N. Y. Dress ensemble. 114,279; Apr. 11.

Furtsch, Amson, New York, N. Y. Belt buckle. 114,263; Apr. 11.

General Time Instruments Corporation. (See Dreyfuss, Henry, assignor.)

Goldschmidt, Benjamin, New York, N. Y. Coat. 114,280; Apr. 11.

Gottlieb, Joseph, Jersey City, N. J. Electric clock. 114,264; Apr. 11.

Graeter, Harold, assignor to Cartier, Inc., New York, N. Y. Brooch or similar article of jewelry. 114,212; Apr. 11.

Green, Jack, assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 114,176; Apr. 11.

Green, Jack, assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 114,177; Apr. 11.

Green, Jack, assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 114,178; Apr. 11.

Greenview Manufacturing Company. (See Siemund, Herman, assignor.)

Gunthel & Cruveilher. (See Cruveilher, Louis, assignor.)

Hammer, Hyman C., Chicago, Ill. Sign. 114,213; Apr. 11.

Hammer, Hyman C., Chicago, Ill. Bracket sign. 114,214; Apr. 11.

Hammer, Hyman C., Chicago, Ill. Sign. 114,215; Apr. 11.

Hammer, Hyman C., Chicago, Ill. Sign. 114,216; Apr. 11.

Hanson, Martin, Chicago, Ill. Chest or similar article. 114,179; Apr. 11.

Heath, Walter N. (See Birdseye, C., Wilson, and Heath.)

Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Combined glass powder and powder puff container or article of similar nature. 114,180; Apr. 11.

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass jelly dish or article of similar nature. 114,181; Apr. 11.

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass floral bowl or article of similar nature. 114,182; Apr. 11.

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass torte plate or article of similar nature. 114,183; Apr. 11.

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass candleblock or article of similar nature. 114,217; Apr. 11.

Heller, Robert, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapler. 114,265; Apr. 11.

Herrmann, Helene, New York, N. Y. Dress. 114,281; Apr. 11.
Hill, C. V., & Company. (See Hoffman, Cyrus F., assignor.)
Hirsch, Jules, New York, N. Y. Clip pin. 114,218; Apr. 11.
Hobson, Ota O., Charlton, Iowa. Whatnot. 114,184; Apr. 11.
Hobson, Ota O., Charlton, Iowa. Magazine rack or similar article. 114,186; Apr. 11.
Hoffman, Cyrus F., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J. Display case. 114,185; Apr. 11.
Hokstad, Sverre, Jersey City, N. J. Optical display stand. 114,306; Apr. 11.
Hoover, Daniel S., Mansfield, Ohio. Steering wheel for motor vehicles or the like. 114,266; Apr. 11.
Hotchkiss, E. H., Company, The. (See Heller, Robert, assignor.)
Injection Moulding Corp. (See Berliner, Eleanor S., assignor.)
International Silver Company. (See Theobald, Jean G., assignor.)
Katz, Adolph, New York, N. Y. Clip pin. 114,219; Apr. 11.
Katz, Adolph, New York, N. Y. Clip pin. 114,220; Apr. 11.
Katz, Adolph, New York, N. Y. Clip pin. 114,221; Apr. 11.
Katz, Adolph, New York, N. Y. Clip pin. 114,282; Apr. 11.
Katz, Adolph, New York, N. Y. Clip pin. 114,283; Apr. 11.
Kisling, William L., St. Louis, Mo. Combination fan and table. 114,222; Apr. 11.
Kisling, William L., St. Louis, Mo. Combination fan and smoking stand. 114,223; Apr. 11.
Kisling, William L., St. Louis, Mo. Combination fan and smoking table. 114,224; Apr. 11.
Klein, David, New York, N. Y. Dress ensemble. 114,284; Apr. 11.
Kleinert, I. B., Rubber Company. (See Selverstone, Agnes S., assignor.)
Koprucki, Leonard P., Buffalo, N. Y. Perpetual calendar. 114,267; Apr. 11.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 114,307; Apr. 11.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 114,308; Apr. 11.
Lampel, Ida, New York, N. Y. Dress. 114,285; Apr. 11.
Lawson, Harriette A. (See Steinweg, Richard, assignor.)
Lee, Martin C., Detroit, Mich. Sign. 114,229; Apr. 11.
Leff, Jacques H., New York, N. Y. Brooch pin. 114,225; Apr. 11.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 114,309; Apr. 11.
Leigh, Howard, Chicago, Ill. Shoe sole. 114,187; Apr. 11.
Lentini, Helen, New York, N. Y. Dress ensemble. 114,286; Apr. 11.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 114,188; Apr. 11.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 114,189; Apr. 11.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 114,190; Apr. 11.
Levine, Abraham, Elizabeth, N. J. Lock for luggage cases or the like. 114,191; Apr. 11.
Lewis, Florence N., New York, N. Y. Apparel pin. 114,226; Apr. 11.
Lowenstein, Casper, Brooklyn, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Handbag clasp. 114,249; Apr. 11.
Lyon, Rowland, Chevy Chase, Md. Statuette. 114,192; Apr. 11.
Mahler, Florence M., assignor to E. B. Mahler Company, Buffalo, N. Y. Jewelry box or similar article. 114,193; Apr. 11.
Mahler, E. B., Company. (See Mahler, Florence M., assignor.)
Martin, Glenn L., Company, The. (See Roberts, Clifford E., assignor.)
Massow, Morris, New York, N. Y. Dress ensemble. 114,287; Apr. 11.
Massow, Morris, New York, N. Y. Dress. 114,288; Apr. 11.
Massow, Morris, New York, N. Y. Dress. 114,289; Apr. 11.
Massow, Morris, New York, N. Y. Dress. 114,290; Apr. 11.
Massow, Morris, New York, N. Y. Dress ensemble. 114,291; Apr. 11.
Massow, Morris, New York, N. Y. Dress. 114,292; Apr. 11.
Massow, Morris, New York, N. Y. Dress ensemble. 114,293; Apr. 11.
May, Edward P., New Brighton, Pa. Display rack. 114,227; Apr. 11.
May, Edward P., New Brighton, Pa. Display rack. 114,228; Apr. 11.
McCutcheon, John G., Scarsdale, N. Y. Textile fabric. 114,250; Apr. 11.
McDonald, Thomas M., and E. L. Monnot, assignors to The Weber Dental Manufacturing Company, Canton, Ohio. Chair. 114,194; Apr. 11.
Mendelsohn, Lewis H., Paterson, N. J. Stocking. 114,294; Apr. 11.
Mergott, J. E., Company, The. (See Green, Jack, assignor.)
Minkoff, Edward, New York, N. Y. Coat. 114,295; Apr. 11.
Monnot, Edward L. (See McDonald, T. M., and Monnot.)
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Morrison, Willard L., Lake Forest, Ill. Direction signal for automobiles. 114,230; Apr. 11.
Müller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush. 114,195; Apr. 11.
Müller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush. 114,196; Apr. 11.
Müller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Bath brush or the like. 114,197; Apr. 11.
Müller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Bath brush or the like. 114,198; Apr. 11.
Napier Company, The. (See Rettenmeyer, Frederick W., assignor.)
Newman, Thomas P. (See Andersen, L., Fredrickson, Newman, Van Sciver, and Zinkil.)
Ohio Leather Company, The. (See Becker, F. H., and Peabody, assignors.)
Olean Glass Company. (See Smith, George, Jr., assignor.)
Otis, George D., New York, N. Y. Combination drain and cutting block. 114,231; Apr. 11.
Otis, George D., New York, N. Y. Combination drain and cutting block. 114,232; Apr. 11.
Peabody, Lester F. (See Becker, F. H., and Peabody.)
Perry, John H., Harrow, England, assignor to Colclough China Ltd. Teapot or similar article. 114,233; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,234; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,235; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,236; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,237; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,238; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,296; Apr. 11.
Philippe, Alfred, New York, N. Y. Clip pin. 114,297; Apr. 11.
Pierle, Edward W. (See Sedlon, V. J., and Pierle.)
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Slider body for slide fasteners. 114,268; Apr. 11.
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Slider body for slide fasteners. 114,269; Apr. 11.
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Slider body for slide fasteners. 114,270; Apr. 11.
Poux, Noel J., assignor to Talon, Inc., Meadville, Pa. Slider body for slide fasteners. 114,271; Apr. 11.
Pressiaff, Murray, New York, N. Y. Blouse. 114,298; Apr. 11.
Pro-phy-lac-tic Brush Company. (See Müller-Munk, Peter, assignor.)
Quint, Bertram M., Leominister, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Mirror or similar article. 114,313; Apr. 11.
Rettenmeyer, Frederick W., assignor to The Napier Company, Meriden, Conn. Display article holder. 114,199; Apr. 11.
Roberts, Clifford E., Joppa, assignor to The Glenn L. Martin Company, Baltimore, Md. Airplane. 114,299; Apr. 11.
Rosenshein, Philip, New York, N. Y. Coat. 114,300; Apr. 11.
Roy Toy Company. (See Blanchard, Royal I., assignor.)
Ruth, George M., Short Hills, N. J. Textile fabric. 114,251; Apr. 11.
Ryan, Edmund C., Mansfield, Ohio. Electric contact device. 114,239; Apr. 11.
Scheuer, Samuel, New York, N. Y. Hat. 114,252; Apr. 11.
Sedlon, Vincent J., and E. W. Pierle, Cleveland, Ohio. Faucet. 114,200; Apr. 11.
Selverstone, Agnes S., Brooklyn, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Textile fabric. 114,253; Apr. 11.
Shaffer, Harry, New York, N. Y. Nightgown or similar article. 114,310; Apr. 11.
Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Sound on film motion picture projector. 114,272; Apr. 11.
Siemund, Herman, assignor to Greenview Manufacturing Company, Chicago, Ill. Combined glass scraper and guard therefor or similar article. 114,254; Apr. 11.
Sluizer, Hans, Nutley, N. J. Textile fabric or similar article. 114,255; Apr. 11.
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Jar or similar article. 114,240; Apr. 11.
Spira, Rudolph R., New York, N. Y. Combination reamer, juice strainer, and extractor. 114,201; Apr. 11.
Starr, Neuman B., New York, N. Y. Textile fabric. 114,273; Apr. 11.

Statter, Benjamin H. (See Brotzman, W. F., and Statter.)
Steinweg, Richard, New York, N. Y., assignor to H. A. Lawson, Signal Mountain, Tenn. Bedspread. 114,274; Apr. 11.
Steinweg, Richard, New York, N. Y., assignor to H. A. Lawson, Signal Mountain, Tenn. Bedspread. 114,256; Apr. 11.
Stone, Mollie, New York, N. Y. Dress. 114,301; Apr. 11.
Stone, Mollie, New York, N. Y. Dress. 114,302; Apr. 11.
Sullivan, John H. L., Roxbury, and E. B. Thibedeau, Gloucester, Mass. Knee rest for gardeners. 114,303; Apr. 11.
Swindell Brothers, Incorporated. (See Dunnock, John L., assignor.)
Talon, Inc. (See Foux, Noel J., assignor.)
Taylor, Fleety E. (See Bowen, A. O., and Taylor.)
Theobald, Jean G., assignor to International Silver Company, Meriden, Conn. Dish or other article of hollow-ware. 114,241; Apr. 11.
Thibedeau, Elmer B. (See Sullivan, J. H. L., and Thibedeau.)
Tuomey, John, Forest Hills, New York, N. Y. Projector. 114,275; Apr. 11.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 114,311; Apr. 11.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 114,312; Apr. 11.
United-Carr Fastener Corporation. (See Lowenstein, Casper, assignor.)
Universal Stamping & Mfg. Co. (See Shapiro, Abraham, assignor.)
Van Sciver, Hugh R. (See Andersen, L., Fredrickson, Newman, Van Sciver, and Zinkil.)
Van Sciver, Hugh R. (See Andersen, L., Fredrickson, Van Sciver, and Zinkil.)
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 114,242; Apr. 11.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 114,243; Apr. 11.
Volk, Paul F., Warwick, assignor to Carl-Art, Inc., Providence, R. I. Jewelry finding for chains or the like. 114,244; Apr. 11.
Wahl, Robert W., Broken Bow, Nebr. Combined grave preserver and marker. 114,245; Apr. 11.
Ward Products Corporation, The. (See Wiesenberger, Ralph N., assignor.)
Weber Dental Manufacturing Company, The. (See McDonald, T. M., and Monnot, assignors.)
Weinstein, Herman, New York, N. Y. Coat. 114,304; Apr. 11.
Welky, John J., Hazleton, Pa. Milk bottle. 114,246; Apr. 11.
Wiesenberger, Ralph N., assignor to The Ward Products Corporation, Cleveland, Ohio. Automobile grille protector. 114,247; Apr. 11.
Wilson, Harold D. (See Birdseye, C., Wilson, and Heath.)
Worthington, Everett, Scarsdale, assignor to American Can Company, New York, N. Y. Lunch box or similar article. 114,202; Apr. 11.
Wright, Frank L., Spring Green, Wis. Desk. 114,203; Apr. 11.
Wright, Frank L., Taliesin, Wis. Dwelling. 114,204; Apr. 11.
Yarick, Floyd D., Detroit, Mich. Stoker. 114,205; Apr. 11.
Zinkil, Roy H. (See Andersen, L., Fredrickson, Newman, Van Sciver, and Zinkil.)
Zinkil, Roy H. (See Andersen, L., Fredrickson, Van Sciver, and Zinkil.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbate, Nicholas E., Chicago, Ill. Electric heater. 2,154,021; Apr. 11.

Abbot Worsted Company. (See Branch, Guy E., assignor.)

Abbott Laboratories. (See Volwiler, E. H., and Tabern, assignors.)

Aborn, Robert H., Millburn, and J. J. B. Rutherford, Jersey City, N. J., assignors to United States Steel Corporation, New York, N. Y. Heat treating chromium-containing corrosion and/or heat resisting steels. 2,153,906; Apr. 11.

Aerovox Corporation. (See Waterman, Herbert, assignor.)

Agfa Ansco Corporation. (See Eggert, J., and Wendt, assignors.)

Agfa Ansco Corporation. (See Fricke, H., and Birr, assignors.)

Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)

Aiken, Charles B. (See McCutchen, B. S., and Aiken.)

Air Reduction Company. (See Walker, George L., assignor.)

Akers, Charles W., Nashville, Tenn. Concrete slab construction. 2,154,390; Apr. 11.

Aktiebolaget Bolinder-Nunktell. (See Evrell, Kaleb E., assignor.)

Akwa Heaters, Inc. (See Moray, Virgil W., assignor.)

Alben, Frank L. (See Brecht, W. A., and Alben.)

Albert, Gerard A., Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del. Insulation for electrical apparatus. 2,153,532; Apr. 11.

Albert, Wilhelm, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany. Camera carrying case. 2,153,606; Apr. 11.

Albin, Thomas C., Memphis, Tenn., assignor to Forest Products Chemical Company. Apparatus for extracting liquids with liquids. 2,154,144; Apr. 11.

Alderfer, Sterling W., assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio. Rubber tape forming and separating apparatus. 2,154,371; Apr. 11.

Alexander, Edith F., Haverford, Pa. Article of apparel. 2,154,059; Apr. 11.

Alexander, Paul, and A. de Dáni, Huyton, England; said de Dáni assignor to said Alexander. Process and apparatus for thermal deposition of metals. 2,153,786; Apr. 11.

Allen, Joseph J., Allendale, S. C. Mechanical mopper for insecticides. 2,153,907; Apr. 11.

Aluminum Company of America. (See Hartman, Frederick V., assignor.)

Alyn, Frederick J., San Diego, Calif. Tune indicating device for stringed musical instruments. 2,153,736; Apr. 11.

American Agricultural Chemical Company, The. (See Burke, George W., assignor.)

American Blower Corporation. (See Polk, Gilbert C., assignor.)

American Can Company. (See Ball, Charles O., assignor.)

American Can Company. (See Hothersall, J. M., and Reid, assignors.)

American Can Company. (See Jewett, F. G., and Odquist, assignors.)

American Coal Cleaning Corporation. (See O'Toole, E., Jr., and Wilcox, assignors.)

American Fork & Hoe Company, The. (See Cowdery, Robert A., assignor.)

American Laundry Machinery Company. (See Hanney, Angus F., assignor.)

American Metal Company, The. (See Eppensteiner, William F., assignor.)

American Platinum Works. (See Langhans, Otto W., assignor.)

American Stove Company. (See Brumbaugh, Isaac V., assignor.)

American Stove Company. (See Pierce, Ambrose R., assignor.)

American Swiss Company, The. (See Rightmyer, Holden W., assignor.)

American Telephone and Telegraph Company. (See Bascom, Earle C., assignor.)

American Telephone and Telegraph Company. (See Southworth, George C., assignor.)

American Viscose Corporation. (See McDermott, Henry J., assignor.)

American Zinc, Lead & Smelting Company. (See Depew, Harlan A., assignor.)

Ames, Leslie E., Lodi, Calif. Closure Cap. 2,154,118; Apr. 11.

Anchor Cap & Closure Corporation. (See Podel, Abraham, assignor.)

Andersen, Christian S., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa. Tension adjusting device. 2,153,705; Apr. 11.

Anderson, Carl J., assignor to J. B. Zimmer, Chicago, Ill. Cooking apparatus. 2,154,391; Apr. 11.

Anderson, David R., Dallas, Tex., assignor to The B. F. Goodrich Company, New York, N. Y. Sucker-rod guard. 2,153,787; Apr. 11.

Anderson, Joseph A., and L. G. Hunt, Flint, assignors to General Motors Corporation, Detroit, Mich. Machine for making air cleaner filter units. 2,154,081; Apr. 11.

Andrews, Charles, and W. Hannon, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass. Flour sifter. 2,153,879; Apr. 11.

Andrieu, Robert. (See Urtel, R., and Andrieu, assignors.)

Anemostat Corporation of America. (See Kurth, F. J., and Honerkamp, assignors.)

Armstrong, Charles E., Portland, assignor to Armstrong Heat Control Company, Corvallis, Oreg. Automatic temperature regulating system. 2,153,859; Apr. 11.

Armstrong Heat Control Company. (See Armstrong, Charles E., assignor.)

Armstrong, Leonard J., Port Richmond, Staten Island, N. Y. Timer. 2,153,540; Apr. 11.

Artkraft Sign Company, The. (See Clark, Morton L., assignor.)

Atlas-Werke Aktiengesellschaft. (See Kallmeyer, Friedrich W., assignor.)

Atwood, Seth B., Rockford, Ill. Automobile door hinge. 2,153,541; Apr. 11.

Atwood Vacuum Machine Company, The. (See Linstead, G., and Polstra, assignors.)

Atwood Vacuum Machine Company, The. (See Thelander, W. Vincent, assignor.)

Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)

Autogiro Company of America. (See Campbell, Harris S., assignor.)

Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)

Aviation Manufacturing Corporation. (See Hoekstra, Harold D., assignor.)

Axelrad, Bernard A., and D. A. Brooks, assignors to Freeport Sulphur Company, Freeport, Tex. Solidifying sulphur. 2,154,257; Apr. 11.

Aycock, James C., Centerville, La. Spinning tongs. 2,154,145; Apr. 11.

Ayer, Raymond B, Verona, N. J., assignor to General Electric Company. Cathode for electron discharge devices. 2,154,298; Apr. 11.

Baash-Ross Tool Company. (See Newton, Max A., assignor.)

Babcock & Wilcox Company, The. (See Miller, Benjamin H., assignor.)

Bach, Niels B., Vestervig, Denmark. Apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices, and similar liquors. 2,153,607; Apr. 11.

Backhouse, Headley T., London, England. Device for automatically stopping sheet conveyors for printing or like machines. 2,154,022; Apr. 11.

Bäckström, Sigurd M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,154,258; Apr. 11.

Backus, Floyd W., St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,153,608; Apr. 11.

Bagby, Marius C., El Paso, Tex. Making copper sulphate. 2,153,908; Apr. 11.

Bahan, William H., Greenville, S. C. Harness connector for looms. 2,154,119; Apr. 11.

Bain, William H., Lewiston, Maine. Counter. 2,154,023; Apr. 11.

Baker, Harry A., assignor to The LaPointe Machine Tool Company, Hudson, Mass. Broach. 2,153,909; Apr. 11.

Baker, John A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Automatic wheel cylinder adjustment device for brakes. 2,154,082; Apr. 11.

Baldwin, Julian T., West Chester, Pa., assignor to Paulsboro Manufacturing Company. Coating composition and process of preparing the same. 2,153,910; Apr. 11.

Ball, Charles O., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Processing milk products. 2,153,542; Apr. 11.

Ballard, Harold L., assignor to Misener Manufacturing Co., Inc., Syracuse, N. Y. Fingerprint machine. 2,153,684; Apr. 11.

Barber, Frank F. (See Vollans, Frederick W., assignor.)

Barber, Hugh B., assignor to Surface Combustion Corporation, Toledo, Ohio. Burner for furnaces. 2,153,951; Apr. 11.

Barent, Mark, and J. D. Kendall, assignors to Ilford Limited, Ilford, England. Production of photographic sensitizing compounds. 2,153,931; Apr. 11.

Barney, Freeman, Spring Lake, and J. W. Lee, assignors to The Challenge Machinery Company, Grand Haven, Mich. Automatic gauge adjuster. 2,153,860; Apr. 11.

Barnhart, George E., Pasadena, Calif. Golf club. 2,153,880; Apr. 11.

Barnhart, George E., Pasadena, Calif. Making tapered tubes. 2,154,392; Apr. 11.

Bascom, Earle C., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Privacy testing system. 2,153,706; Apr. 11.

Basnicki, Michael, Picture Butte, Albera, Canada. Radio receiver tuning apparatus. 2,154,024; Apr. 11.

Basseches, Jacob T. (See Loufbahn, Jennie, assignor.)

Bates, Lawrence G., assignor to Continental Say When Corporation, Cleveland, Ohio. Dispensing apparatus for beverages. 2,154,393; Apr. 11.

Batterman, Elmer F. (See Verderber, J., and Batterman.)

Baumann, Henry N., Jr. (See Benner, R. C., and Baumann.)

Bayer, Otto. (See Schweitzer, H., Bayer, and Schrader.)

Bayes, Alfred L., Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Antifreeze corrosion inhibitor. 2,153,952; Apr. 11.

Bayley, William, Company, The. (See Bayley, William D., assignor.)

Bayley, William D., assignor to The William Bayley Company, Springfield, Ohio. Window. 2,153,543; Apr. 11.

Beaver, Albert T., Kasson, Minn. Watersaving toilet. 2,154,259; Apr. 11.

Becherer, Fritz, and M. Iselin, Riehen, near Basel, and J. Bindler, assignors to the firm J. R. Geigy S. A., Basel, Switzerland. Amino-acid derivatives and their manufacture. 2,153,707; Apr. 11.

Beck, Koller & Company. (See Zinke, Alois, assignor.)

Becker, Emil, Munich, Germany, assignor to J. E. Becker, Stoney Creek, Ontario, Canada. Electric motor, dynamo, and the like. 2,154,146; Apr. 11.

Becker, John E. (See Becker, Emil, assignor.)

Bell, Harman B., Jr., U. S. Navy. Nonfreezing windshield wiper. 2,153,544; Apr. 11.

Bell Telephone Laboratories, Incorporated. (See Chesnut, Roy W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Darlington, Sidney, assignor.)

Bell Telephone Laboratories, Incorporated. (See Darnell, Paul S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ellis, William C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Grenell, Arthur F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lovell, Clarence A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Morrison, John F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Norman, Nathaniel C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pratt, Edward J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Swart, Leland K., assignor.)

Belmont Radio Corporation. (See Marholz, Richard C., assignor.)

Belsher, Bernard J., Barnet, England. Pedestrian barrier. 2,153,708; Apr. 11.

Benedetti, Felix, Garfield, N. J. Container. 2,153,911; Apr. 11.

Benjamin, Bert R. (See Cuddeback, N. C., and Benjamin.)

Benner, Raymond C., and H. N. Baumann, Jr., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Refractory and method of making. 2,154,318; Apr. 11.

Benoit, Leon, New York, N. Y. Filler tray for eggs and the like. 2,154,193; Apr. 11.

Benoit, Leon, New York, N. Y. Filler package. 2,154,194; Apr. 11.

Benoit, Leon, New York, N. Y. Filler package. 2,154,195; Apr. 11.

Bensemann, Edward H. T., Motueka, Nelson, New Zealand. Vending mechanism. 2,154,147; Apr. 11.

Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. 2,154,060; Apr. 11.

Bergstein, Edna M. (See Bergstein, Robert M., assignor.)

Bergstein, Edna M., trustee. (See Bergstein, Samuel, assignor.)

Bergstein, Robert M., Cincinnati, Ohio, assignor to E. M. Bergstein and himself, as trustees. Container. 2,154,083; Apr. 11.

Bergstein, Robert M., assignor to E. M. and R. M. Bergstein, trustees, Cincinnati, Ohio. Dividing liner for cartons and making same. 2,154,085; Apr. 11.

Bergstein, Robert M., trustee, et al. (See Bergstein, Samuel, assignor.)

Bergstein, Samuel, assignor to E. M. and R. M. Bergstein, Cincinnati, Ohio, as trustees. Extension edge box. 2,154,084; Apr. 11.

Berliner, Eleanor S., Westchester County, assignor to Injection Moulding Corp., New York, N. Y. Folding rat-tail comb. 2,154,120; Apr. 11.

Billington, John E., deceased (by M. E. Billington, executrix), Crewe, and R. H. Scott, Enfield, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,153,912; Apr. 11.

Billington, Mary E., executrix. See Billington, J. E., and Scott.)

Bindler, Jakob. See Becherer, F., Iselin, and Bindler.)

Binks Manufacturing Company. (See Della Chiesa, A. D., and Froehlich, assignors.)

Binks Manufacturing Company. (See Seybold, Frederick W., assignor.)

Birkigt, Marc, Bois-Colombes, France. Speed-reduction gear. 2,154,319; Apr. 11.

Birr, Emil J. (See Fricke, H., and Birr.)

Bishop & Babcok Mfg. Company, The. (See Mayo, Edward L., assignor.)

Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,154,299; Apr. 11.

Blackmore, George S., et al. (See Coppock, Ira M., assignor.)

Blackwell, Elie O., Gainesville, Fla. Building block. 2,153,913; Apr. 11.

Blechman, Irving, Bronx, N. Y. Receptacle. 2,153,545; Apr. 11.

Block, Harold C., assignor to L. A. Layne, Houston, Tex. Wash line drive connection. 2,153,822; Apr. 11.

Boeing Aircraft Company. (See Wells, Edward C., assignor.)

Boerger, Martin G. (See Munch, H. S., and Boerger.)

Böhm, Viktor, Vienna, Austria. Machine for rubbing hats. 2,154,196; Apr. 11.

Bold, Walter, Pittsburgh, Pa. Mechanical toy. 2,154,121; Apr. 11.

Booth, Adelaide B., et al. (See Wilson, Elihu C., assignor.)

Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)

Born, Ernest R., Hensel, N. Dak. Sound post. 2,154,025; Apr. 11.

Bösing, Ernst A., Berlin, Germany, assignor to Edeleanu Gesellschaft m. b. H. Solvent refining of oils. 2,154,372; Apr. 11.

Boudrant, Robert J. C., assignor to Société d'Electricité de Paris, Paris, France. Pulverized-fuel burner. 2,154,320; Apr. 11.

Bournisien, Jacques, Asnieres, France. Apparatsu for establishing communications by means of light. 2,153,709; Apr. 11.

Borresen, Nico, assignor to Nicostat Products Co., Buffalo, N. Y. Valve. 2,154,228; Apr. 11.

Boyd, John. (See Nadal, A., and Boyd.)

Braby, Frederick, & Company Limited. (See Marchbank, John, assignor.)

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Automatic fidelity control circuits. 2,153,738; Apr. 11.

Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. Automatic fidelity control circuits. 2,154,061; Apr. 11.

Branch, Guy E., Lowell, assignor to Abbot Worsted Company, Graniteville, Mass. Builder motion. 2,153,788; Apr. 11.

Brandenburger, Leo, Falkensee, Kreis Ost-Havelland, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electronic metering system. 2,154,260; Apr. 11.

Brandt, Ralph H. (See Shorb, Norbert N., assignor.)

Brandt, Weldon H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Immersion heater. 2,154,261; Apr. 11.

Brecht, Winston A., and F. L. Alben, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric vehicle truck. 2,154,262; Apr. 11.

Brennan, Joseph B., Fort Wayne, Ind. Cathode for electrolytic devices. 2,154,026; Apr. 11.

Brennan, Joseph B., Fort Wayne, Ind. Electrolytic device and making same. 2,154,027; Apr. 11.

Brenneman, Milton B., Davenport, Iowa. Water catcher for fishing reels. 2,154,122; Apr. 11.

Bridgman, Boyd H., Spartanburg, S. C. Dagger lifter for looms. 2,154,123; Apr. 11.

Briggs, Henry C., Brooklyn, N. Y. Steering mechanism for water and aircraft. 2,154,321; Apr. 11.

Briggs, Robert W., Pharr, Tex. Machine for dressing rough surfaces. 2,153,609; Apr. 11.

Bristol Company, The. (See MacLaren, Fred B., Jr., assignor.)

Britsch, Otto C. (See Muldoon, B. F., and Britsch.)

Brooke Engineering Company. (See Chambers, Carl C., assignor.)

Brooks, Dougal A. (See Axelrad, B. A., and Brooks.)

Brosnan, Cornelius A., and P. F. Kelleher, assignors to Worcester Pressed Aluminum Company, Worcester, Mass. Trimming machine. 2,154,028; Apr. 11.
Brown & Bigelow. (See Gordonier, R. E., and Fischer, assignors.)
Brown & Bigelow. (See Wege, John P., assignor.)
Brown, Charles S., Syracuse, N. Y. Forming conduit outlet boxes. 2,153,657; Apr. 11.
Brown Instrument Company, The. (See Green, J. R., Krogh, Moore, and Ullman, assignors.)
Brown, Jennie, Red Bay, Ala. One-piece dress. 2,154,227; Apr. 11.
Brown, Marion H., special administratrix. (See Hunter, David E.)
Brown, Thomas C., San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Marking device for index blanks. 2,154,029; Apr. 11.
Brownell, Karl. (See Easter, G. J., and Brownell.)
Bruce, E. L., Company. (See Lyons, Frank H., assignor.)
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Automatic temperature regulator. 2,154,030; Apr. 11.
Brunnert, Otto, and E. Severin, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrical recorder. 2,154,300; Apr. 11.
Buck, L. F. (See Peterson, Robert F., assignor.)
Budowski, Issar, Boulogne-sur-Seine, assignor to Compagnie Parisienne de Produits Chimiques, Paris, France. Manufacture of hydrogen peroxide from barium dioxide and phosphoric acid. 2,153,658; Apr. 11.
Bulleigh, Robert, Greeley, assignor of one-third to H. E. Watson, Denver, Colo. Windshield cleaner. 2,154,373; Apr. 11.
Bump Paper Fastener Company. (See Thomson, Leroy A., assignor.)
Bunting, Alwyn R., Portsmouth, Va. Toy movies device. 2,154,031; Apr. 11.
Bürk, Heinrich, Pforzheim-Brotzingen, assignor to the firm Ph. Döppenschmitt, Goldwarenfabrik, Pforzheim, Germany. Band body for ornamental and practical purposes. 2,153,659; Apr. 11.
Burke, George W., Westfield, assignor to The American Agricultural Chemical Company, Newark, N. J. Vaporization of phosphorus. 2,153,953; Apr. 11.
Burkhardt, Otto M. (See Colwell, A. T., and Burkhardt.)
Burneleit, Willy. (See Mieg, W., and Burneleit.)
Buss, Charles R., assignor to Spun Rock Wools, Limited, Thorold, Ontario, Canada. Apparatus for and method of forming mineral wool from fusible solids. 2,153,739; Apr. 11.
Butenandt, Adolf. (See Serini, A., Strassberger, and Butenandt.)
Butts, Charlie A., Grand Island, Nebr. Bite gauge. 2,154,148; Apr. 11.
Byram, George M., Asheville, N. C., dedicated to the free use of the People in the Territory of the United States. Haze meter. 2,154,374; Apr. 11.
Byron, Thomas H., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Centrifugal spinning process. 2,153,823; Apr. 11.
Bystricky, Joseph. (See Thomas, G. F., Ross, and Bystricky.)
Calatroni, Edison. (See Patrignani, Leonida, assignor.)
Calco Chemical Company. (See Lecher, H. Z., and Parker, assignors.)
Calco Chemical Company, The. (See Northey, Elmore H., assignor.)
Calder Sales Corporation. (See Starnes, G. R., and Melchert, assignors.)
Callaway, Harold J., Skytop, Pa. Glove for restraining wrist motion. 2,154,197; Apr. 11.
Calorider Corporation. (See Weiss, John M., assignor.)
Calvert, William C., Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio. Plasticization of rubber hydrohalide. 2,153,954; Apr. 11.
Cameron, John, London, Ontario, assignor to New Era Carburetor Corporation, Limited, Toronto, Ontario, Canada. Carburetor. 2,154,033; Apr. 11.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake actuating mechanism. 2,153,546; Apr. 11.
Campbell, Harris S., Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotative winged aircraft. 2,153,610; Apr. 11.
Carbide and Carbon Chemicals Corporation. (See Bayes, Alfred L., assignor.)
Carbide and Carbon Chemicals Corporation. (See Lamprey, Headlee, assignor.)
Carbon Interleaved Forms Corporation. (See Fulk, James B., assignor.)
Carborundum Company, The. (See Benner, R. C., and Baumann, assignors.)
Carborundum Company, The. (See Easter, G. J., and Brownell, assignors.)
Carborundum Company, The. (See Higgins, Francis W., assignor.)
Carborundum Company, The. (See Jenks, Harry N., assignor.)
Carborundum Company, The. (See Robie, Norman P., assignor.)
Carey, Philip, Manufacturing Company, The. (See Greider, H. W., and Fasold, assignors.)
Carleton, Paul W., and H. E. Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Spirit soluble blue dyes. 2,153,740; Apr. 11.
Carlin, Theodore F. (See Staples, O. E., and Carlin.)
Carpenter Heating & Stoker Company, The. (See Kelley, Zar W., assignor.)
Carr, John B., Detroit, Mich., and H. C. Rathke, Chicago, Ill., assignors to The Meyercord Company. Decalcomania. 2,154,198; Apr. 11.
Carrier Corporation. (See Carrier, Willis H., assignor.)
Carrier Corporation. (See Parcaro, Michael P., assignor.)
Carrier, Willis H., Essex Fells, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Air conditioning system for railroad cars. 2,154,263; Apr. 11.
Carruth, R. A. (See McGinnis, Baldy, assignor.)
Carswell, Firman L., Johnson County, Kans., and O. W. Schmidt, Kansas City, Mo. Irrigation and drainage tube. 2,153,789; Apr. 11.
Carswell, Firman L., Johnson County, Kans., and O. W. Schmidt, Kansas City, Mo. Drainage tube. 2,153,790; Apr. 11.
Cass, Oliver W. (See Levine, A. A., and Cass.)
Castenea Paper Company. (See Jones, R. N., and Gomez, assignors.)
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Rotary well bit. 2,154,032; Apr. 11.
Cavanagh, John, assignor to Hat Corporation of America, Norwalk, Conn. Sweatband marker and fastening clip. 2,153,611; Apr. 11.
Cecil, Lloyd F., Shanghai, China. Internal combustion engine. 2,154,322; Apr. 11.
Celanese Corporation of America. (See Moss, William H., assignor.)
Cellu-Type Plate Co. (See Schultz, Oswald R., assignor.)
Central National Bank of Cleveland. (See Coil, Grover C., assignor.)
Challenge Machinery Company, The. (See Barney, F., and Lee, assignors.)
Chambers, Alexander, Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Apparatus for forming spacing bends in wire fabrics. 2,154,149; Apr. 11.
Chambers, Carl C., Lansdowne, assignor to Brooke Engineering Company, Inc., Philadelphia, Pa. Compensated control system. 2,154,375; Apr. 11.
Channon, Hiram B., Portsmouth, Va., assignor to Virginia Smelting Company, Portland, Maine. Method and composition for stripping fibrous materials. 2,153,791; Apr. 11.
Chapman Valve Manufacturing Company. (See Goldberg, D. D., and Kligman, assignors.)
Charlop, Elliott, and N. G. Horwitt, New York, N. Y. Hammock tent and support therefor. 2,153,547; Apr. 11.
Chesley, Walter R., Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Machine for and method of forming a spring casing. 2,153,861; Apr. 11.
Chestnut, Roy W., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control circuits. 2,154,062; Apr. 11.
Chicago Development Company. (See Davis, Charles W., assignor.)
Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Rocking dynamic damper with floating pin support. 2,154,063; Apr. 11.
Chireix, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Demodulating means. 2,153,612; Apr. 11.
Choquette, Henry O., Three Rivers, Quebec, Canada. Pipe. 2,153,955; Apr. 11.
Christman, John M., assignor to Packard Motor Car company, Detroit, Mich. Vibration damper. 2,153,914; Apr. 11.
Clapp, George I., Wells, Maine. Bonding of composite articles with polymerized adhesives. 2,153,660; Apr. 11.
Clark, Morton L., assignor to The Artkraft Sign Company, Lima, Ohio. Prefabricated marquee. 2,154,394; Apr. 11.
Clark, Morton L., assignor to The Artkraft Sign Company, Lima, Ohio. Prefabricated marquee. 2,154,395; Apr. 11.
Clarke, Philip S. (See Ott, T. F., Clarke, and Van Marter.)
Classe Ribbon Works, Inc. (See Classe, William C., assignor.)
Classe, William C., Anniston, Ala., assignor to Classe Ribbon Works, Inc. Multiple winding and measuring machine. 2,153,792; Apr. 11.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 2,154,396; Apr. 11.
Clement, Frank M., Beloit, Wis., assignor, by mesne assignments, to Torsion Grip Manufacturing Co., Chicago, Ill. Electrical torsion contactor. 2,154,301; Apr. 11.
Clement, Frank M., Beloit, Wis., assignor to The Torsion Grip Manufacturing Company, Chicago, Ill. Torsion grip contact. 2,154,302; Apr. 11.

Clement, George H., Merchantville, N. J., and M. A. Squier, Narberth, Pa., assignors of one-third to said Clement, one-third to said Squier, and one-third to H. D. and H. Z. Marks. Window control unit. 2,154,229; Apr. 11.
Cleveland Hobbing Machine Company, The. (See Staples, O. E., and Carlin, assignors.)
Clifford, Albert M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Age resistor. 2,153,956; Apr. 11.
Cline, Delbert C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Viscosimeter. 2,154,376; Apr. 11.
Cobi, Walter H., New York, N. Y. Making reinforced hollow slabs. 2,153,741; Apr. 11.
Coble, Lucian G., Greensboro, N. C. Dental instrument. 2,153,710; Apr. 11.
Coeterier, Frederik, and M. C. Teves, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Optical image reproducer. 2,153,614; Apr. 11.
Cohn, Norman, New Rochelle, N. Y. Hosiery. 2,154,124; Apr. 11.
Coil, Grover C., Dayton, Ohio, assignor to Central National Bank of Cleveland, trustee. Register. 2,153,881; Apr. 11.
Cold Pack Container, Inc. (See Roach, J. E., and Lohman, assignors.)
Collins, Edgar V., assignor, by mesne assignments, to Iowa State College Research Foundation, Ames, Iowa. Automatic reversible soil moving machine. 2,153,824; Apr. 11.
Colwell, Archie T., and O. M. Burkhardt, assignors to Thompson Products Inc., Cleveland, Ohio. Sealing construction. 2,154,199; Apr. 11.
Combination Selector Company. (See Rainey, Paul M., assignor.)
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)
Compagnie Parisienne de Produits Chimiques. (See Budowski, Issar, assignor.)
Conn, Chester J., Smithtown Branch, N. Y. Apparatus for quick freezing of food products. 2,153,742; Apr. 11.
Continental Can Company. (See O'Brien, Frank J., assignor.)
Continental Say When Corporation. (See Bates, Lawrence G., assignor.)
Cook, Charles E., Atlanta, Ga., assignor of two-fifths to H. W. Cook, Sr., Coral Gables, Fla., and two-fifths to S. B. C. Wall, Atlanta, Ga. Wave motor. 2,154,397; Apr. 11.
Cook, Herman W., Sr., et al. (See Cook, Charles E., assignor.)
Cooke, Horance B., Greenwich, Conn., assignor to Process Management Company, Inc., New York, N. Y. Manufacture of gasolinelike hydrocarbons. 2,154,064; Apr. 11.
Cooper, Albert E., Tracy, Calif. Combination bait and tackle box. 2,153,549; Apr. 11.
Cooper, La Mar S., Erie, Pa., assignor to General Electric Company. Power system. 2,154,303; Apr. 11.
Copper Houses, Inc. (See Whelan, John J., assignor.)
Coppock, Ira M., Dayton Ohio, assignor of five one-hundredths to N. D. Parker, Jr., Washington, D. C., thirty-two one-hundredths to H. D. Humphrey, and thirty-two one-hundredths to G. S. Blackmore, Pittsburgh, Pa. Supporting mechanism. 2,154,323; Apr. 11.
Corn Products Refining Company. (See Schroeder, Emerson F., assignor.)
Cornwall, James E., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,154,034; Apr. 11.
Cory, Harry T., Washington, D. C. Mud lark. 2,154,377; Apr. 11.
Cottrell, C. B., & Sons Company. (See Eckhard, William K., assignor.)
Couyoumdjian, Agop O., Berlin, Germany. Photographic camera with exposure meter. 2,154,324; Apr. 11.
Cowdery, Robert A., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf shaft. 2,153,550; Apr. 11.
Cowles, Thomas L., assignor to The Studebaker Corporation, South Bend, Ind. Steering means. 2,153,862; Apr. 11.
Crabb, Lester M. (See Holmes, R. F., and Crabb.)
Cragin, Inez L., et al., trustee. (See Johnson, Chester W., assignor.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,154,398; Apr. 11.
Crosby, Robert A., Milton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Binding a shoe upper. 2,153,613; Apr. 11.
Crothers, Paul F., assignor to Trier Bros. Limited, London, England. Apparatus for delivering material in solid, plastic, or semiliquid form from storage containers. 2,154,325; Apr. 11.
Cuddeback, Nelson C., Chicago, and B. R. Benjamin, Oak Park, Ill., assignors to International Harvester Company. Traction tire. 2,154,035; Apr. 11.
Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,154,230; Apr. 11.
Dahlen, Miles A., Wilmington, and M. E. Friedrich, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-aryl-5-pyrazolone-3-carboxylic acids. 2,153,615; Apr. 11.
Daimler, Karl, and M. Paquin, Frankfort-on-the-Main, and W. Riedelsberger, Bad Soden, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition of matter for the preparation of fire extinguishing foam. 2,154,231; Apr. 11.
Damitz, Walter, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt. Vapor electric device. 2,154,264; Apr. 11.
Dannenberg, Hans, Dessau in Anhalt, and P. Saffert, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Reel for continuously winding threads. 2,153,685; Apr. 11.
Darlington, Sidney, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuation equalizer. 2,153,743; Apr. 11.
Darnell, Paul S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Adjustable inductance. 2,154,232; Apr. 11.
Davis, Charles W., Pittsburgh, Pa., assignor to Chicago Development Company, Chicago, Ill. Demagnetization. 2,154,399; Apr. 11.
Davis, Cortland W., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Resilient connector and support for frangible bodies. 2,153,533; Apr. 11.
Davis, Elwood T., Upper Darby, and F. Wunsch, assignors to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring system. 2,154,065; Apr. 11.
Davis, Jerome, West Haven, Conn., assignor of one-half to N. L. Foster, Montclair, N. J. Jumping toy. 2,153,957; Apr. 11.
Davis, John O., and F. M. Martin, assignors to Miller-Davis Co., Minneapolis, Minn. Loose leaf binder. 2,153,661; Apr. 11.
Dayton Rubber Manufacturing Company. (See Freedlander, Abraham L., assignor.)
De Beeze, George, Budapest, Hungary. Apparatus for carrying out physical and chemical reactions. 2,154,150; Apr. 11.
De Dani, Andor. (See Alexander, P., and De Dani.)
Deegan, John L., Sr., Pottstown, Pa. Combination floor washer and drier. 2,153,686; Apr. 11.
De Giers, Clarence A., Forest Hills, assignor to The Lequidometer Corporation, Long Island City, N. Y. Contents gauge for plurality of tanks. 2,154,066; Apr. 11.
De Groote, Melvin, University City, assignor to The Tret-O-Lite Company, Webster Groves, Mo. Resolving petroleum emulsions. 2,153,745; Apr. 11.
De Groote, Melvin, University City, assignor to The Tret-O-Lite Company, Webster Groves, Mo. Resolving petroleum emulsions. 2,153,746; Apr. 11.
De Groote, Melvin, University City, and L. L. Faure, Kirkwood, assignors to The Tret-O-Lite Company, Webster Groves, Mo. Resolving petroleum emulsions. 2,153,744; Apr. 11.
Deknatel, J. A., & Son, Inc. (See Hames, Frederick W., assignor.)
Delfox, James G., Flushing, assignor to Poor & Company, New York, N. Y. Rail supporting and retaining means. 2,154,151; Apr. 11.
Della Chiesa, Alessandro D., New York, N. Y., and L. P. Froehlich, East Rutherford, N. J., assignors, by mesne assignments to Binks Manufacturing Company, Chicago, Ill. Spraying apparatus for use with printing presses. 2,153,548; Apr. 11.
Dennis, M. L., Moran, Tex. Rod and tubing pulling machine. 2,153,793; Apr. 11.
Depew, Harlan A., Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Treating zinc oxide. 2,153,687; Apr. 11.
Deskor Chair Sales Corporation. (See Rich, Willis D., assignor.)
Detroit Harvester Company. (See Floraday, Burton S., assignor.)
Detroit Harvester Company. (See Kost, Harold W., assignor.)
Deutsche Celluloid-Fabrik. (See Hauffe, Otto, assignor.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Werner, Karl, assignor.)
Devary, Frank, and M. Wise, Rockwell, Iowa. Watering device. 2,154,152; Apr. 11.
Dewey and Almy Chemical Company. (See McGowan, William I., assignor.)
Dewhurst, John, Lawrence, Mass. Loom binder. 2,153,662; Apr. 11.
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe form. 2,153,794; Apr. 11.
Diamond Alkali Company. (See McDaniel, George R., assignor.)
Diels, Kurt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube apparatus. 2,153,616; Apr. 11.
Diener, Hyman, Washington, D. C. Garment hanger. 2,153,551; Apr. 11.
Difazio, Nicholas, Newark, N. J. Stuffing box without packing. 2,153,825; Apr. 11.
Dillon, David, New York, N. Y. Table and leaf construction. 2,154,125; Apr. 11.

Dimmick, Glenn L., Erlton, N. J., assignor to Radio Corporation of America. Sound recording system. 2,154,067; Apr. 11.

Doherty, Arthur, Los Angeles, Calif. Constructional finish detail element. 2,154,036; Apr. 11.

Dolbois, William, Penn, Pa. Hot air gas heater pipe and dome heating system. 2,153,915; Apr. 11.

Donaldson, Francis, Yonkers, assignor to Mason & Hanger Company, Inc., New York, N. Y. Subaqueous tunneling. 2,154,233; Apr. 11.

Dorin, Anatol, Prague, Czechoslovakia. Machine tool. 2,154,326; Apr. 11.

Dove, John B., Atlanta, Ga., assignor of forty-nine per cent to L. R. Muse. Rayon spinning machine. 2,154,304; Apr. 11.

Dow Chemical Company, The. (See Heath, S. B., and Minger, assignors.)

Dow Chemical Company, The. (See Mills, Lindley E., assignor.)

Dow Chemical Company, The. (See Stoesser, Sylvia M., assignor.)

Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Voltage regulator device. 2,154,200; Apr. 11.

Dox, Arthur W., Windsor, Ontario, Canada, assignor to Parke, Davis & Company, Detroit, Mich. Thiobarbituric acid compounds. 2,153,711; Apr. 11.

Dox, Arthur W., Windsor, Ontario, Canada, assignor to Parke, Davis & Company, Detroit, Mich. Thiobarbituric acid compounds. 2,153,712; Apr. 11.

Draper Corporation. (See Lundgren, William E., assignor.)

Dresser, Richard N., et al., trustee. (See Johnson, Chester W., assignor.)

Dunbar, Harry, Spokane, Wash. Garbage can cover. 2,153,916; Apr. 11.

Duncan Electric Manufacturing Company. (See Road, R. A., and Green, assignors.)

Dunkak, Elmer B., Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company. Roll heater. 2,153,958; Apr. 11.

Du Pont, E. I., de Nemours & Company. (See Carleton, P. W., and Woodward, assignors.)

Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Friedrich, assignors.)

Du Pont, E. I., de Nemours & Company. (See Higgins, Dale G., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hoff, G. P., and Parker, assignors.)

Du Pont, E. I., de Nemours & Company. (See Levine, Arthur A., assignor.)

Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Case, assignors.)

Du Pont Film Manufacturing Corporation. (See Kinloch, Donald H., assignor.)

Duquesne Mine Supply Company. (See Genter, Albert H., assignor.)

Durand & Huguenin S. A. (See Müller, M., and Ratti, assignors.)

Dyer, John B., Pendleton, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starter control. 2,153,826; Apr. 11.

Eagle Chemical Company. (See Schlesinger, Joseph N., assignor.)

Easter, George J., and K. Brownell, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Refractory and making it. 2,154,153; Apr. 11.

Eaton, George M., Ben Avon, assignor to The National Supply Company, Pittsburgh, Pa. Making joints. 2,154,037; Apr. 11.

Eckhard, William K., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feed rotary printing press. 2,153,979; Apr. 11.

Edelmann Gesellschaft m. b. H. (See Bösing, Ernst A., assignor.)

Edelmann Gesellschaft m. b. H. (See Weir, James W., assignor.)

Edison, Thomas A., Incorporated. (See Brown, Thomas C., assignor.)

Edison, Thomas A., Incorporated. (See Gramann, Heinrich F. M., assignor.)

Edison, Thomas A., Incorporated. (See La Forest, Louis Z., assignor.)

Eggert, John, Leipzig-Gohlis, and B. Wendt, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of colored photographic pictures. 2,153,617; Apr. 11.

Elane, Halvor O., Washington Island, Wis. Grasshopper trap. 2,153,713; Apr. 11.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Tape feed controlling mechanism. 2,153,552; Apr. 11.

Eklund, Ivar G., Detroit, Mich., assignor to Midland Steel Products Company, Cleveland, Ohio. Motor vehicle frame. 2,154,154; Apr. 11.

Elastic Stop Nut Corporation. (See Swanstrom, Carl A., assignor.)

Electrolux Corporation. (See Lynger, Erik S., assignor.)

Eller, Keith B., Metuchen, and F. Holborn, Cedar Grove, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Start-stop tube oscillator. 2,154,378; Apr. 11.

Elliott Core Drilling Company. (See Snyder, Leonard L., assignor.)

Ellis, William C., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact. 2,154,068; Apr. 11.

Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Adjustable mold. 2,154,234; Apr. 11.

Erwin, Weldon C., Huntington Park, assignor to J. Grant, Los Angeles, Calif. Rotary jar. 2,153,882; Apr. 11.

Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Automatic choke valve. 2,154,086; Apr. 11.

Esterow, Leo, and A. Klein, New York, N. Y. Vanity case. 2,154,235; Apr. 11.

Estes, Phillip H., Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for testing relays. 2,154,379; Apr. 11.

Evrell, Kaleb E., assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden. Fluid pressure operated apparatus. 2,154,038; Apr. 11.

Exline, Paul G., O'Hara Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Chart for recording instruments. 2,153,917; Apr. 11.

Failor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,154,265; Apr. 11.

Fairbanks, Morse & Co. (See Porter, Frederic P., assignor.)

Fall, Albert B., Toledo, Ohio. Apparatus for truing pistons. 2,153,863; Apr. 11.

Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Automatic gain control. 2,153,747; Apr. 11.

Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Dissector tube. 2,153,918; Apr. 11.

Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)

Farnsworth Television & Radio Corporation. (See Varian, Russell H., assignor.)

Fasold, George A. (See Greider, H. W., and Fasold.)

Faught, Sherman E., New Orleans, La. Gauge for setting printing press cylinders. 2,153,534; Apr. 11.

Faure, Leonard L. (See De Groote, M., and Faure.)

Faust, Carl E., Chicago, Ill. Automatic phonograph. 2,153,864; Apr. 11.

Fawcett, Eric W., R. O. Gibson, and M. W. Perrin, Northwich, England, assignors to Imperial Chemical Industries Limited. Polymerization of olefins. 2,153,553; Apr. 11.

Fawcett, Jack O., assignor to Gartner and Bender, Inc., Chicago, Ill. Display device. 2,154,087; Apr. 11.

Feldbush, Harry A., Short Hills, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Brew cooling apparatus. 2,153,980; Apr. 11.

Ferris, William D., assignor to Frantz Manufacturing Co., Sterling, Ill. Latch. 2,153,827; Apr. 11.

Fessler, Albra H., Flint, Mich., and H. Navratiel, Lauf, near Nuremberg, Germany. Ceramic body. 2,154,069; Apr. 11.

Fielder, W. V. (See Taylor, William L., assignor.)

Firestone Tire & Rubber Company, The. (See Alderfer, Sterling W., assignor.)

Firestone Tire & Rubber Company, The. (See Cline, Delbert C., assignor.)

Firestone Tire & Rubber Company, The. (See Riesing, Ellwood F., assignor.)

Fischer, Hans, Crestwood, assignor to Lanova Corporation, New York, N. Y. Injection engine. 2,153,618; Apr. 11.

Fischer, Howard L. (See Gordonier, R. E., and Fischer.)

Fischer, Robert A., Glendale, Calif. X-ray apparatus. 2,153,795; Apr. 11.

Fitzgerald, John R., Harlingen, Tex. Vegetable or fruit grading and sizing machine. 2,153,688; Apr. 11.

Fitzgerald, Stephen F., Pittsburgh, Pa. Tooth brush. 2,153,554; Apr. 11.

Fleisher, Harry, assignor to Princeton Knitting Mills, Inc., Watertown, Conn. Knitted napped pile fabric. 2,154,155; Apr. 11.

Fleming, Lloyd B., Galveston, and H. E. McIntosh, Texas City, Tex. Head mask. 2,153,714; Apr. 11.

Fleming, Paul E., Glendive, Mont. Automatic wrench. 2,153,828; Apr. 11.

Fletcher, Alexander C., Chicago, Ill., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky. Illuminated shelf display sign. 2,153,797; Apr. 11.

Fletcher, Daniel W., assignor to Flexi-Drive Limited, Toronto, Ontario, Canada. Variable hydraulic transmission gearing. 2,153,796; Apr. 11.

Flexi-Drive Limited. (See Fletcher, Daniel W., assignor.)

Flornday, Burton S., Toledo, Ohio, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich. Window regulator. 2,153,689; Apr. 11.

Food Machinery Corporation. (See Holmes, Herbert G., assignor.)

Forbes, John W., Marlborough, assignor to The Lapointe Machine Tool Company, Hudson, Mass. Broach locking device. 2,154,039; Apr. 11.

Ford Instrument Company. (See Poitras, E. J., and Tear, assignors.)

Ford, Karl L., Durham, N. H., assignor of one-third to W. B. Willcutt, Flushing, N. Y., and one-third to E. M. Sawtelle, York, Maine. Method of and apparatus for vacuum sealing containers. 2,154,266; Apr. 11.

Ford Motor Company. (See Greggorie, Eugene T., assignor.)

Forest Products Chemical Company. (See Albin, Thomas C., assignor.)

Forsythe, Herbert, assignor to Waddell Manufacturing Company, Grand Rapids, Mich. Knob attaching device. 2,153,919; Apr. 11.

Foster, Nathaniel L. (See Davis, Jerome, assignor.)

Foster, Robert, New York, N. Y. Structural sculpture. 2,153,663; Apr. 11.

Foster, Walter L., Whittier, assignor to J. Grant, Los Angeles, Calif. Oil well jar. 2,153,883; Apr. 11.

Frank, William H., and J. A. Messing, Detroit, Mich. Switch. 2,154,236; Apr. 11.

Frank, William H., Detroit, Mich. Separable contact structure. 2,154,237; Apr. 11.

Frank, William H., Detroit, Mich. Plug and receptacle switch. 2,154,238; Apr. 11.

Frankfort Distilleries, Incorporated. (See Fletcher, Alexander C., assignor.)

Frantz Manufacturing Co. (See Ferris, William D., assignor.)

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil. 2,154,070; Apr. 11.

Frederick, Robert R., Morrisville, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J. Clamp. 2,153,748; Apr. 11.

Freedlander, Abraham L., assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Strainer. 2,153,664; Apr. 11.

Freeland, Ernest C., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Signal amplifier. 2,154,327; Apr. 11.

Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Combined master cylinder and brake holding means. 2,153,749; Apr. 11.

Freeport Sulphur Company. (See Axelrad, B. A., and Brooks, assignors.)

Fricke, Hans, Wolfen, Kreis Bitterfeld, and E. J. Birr, Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Production of photographs in blue-black tones. 2,153,619; Apr. 11.

Friedrich, Martin E. (See Dahlen, M. A., and Friedrich.)

Frisendahl, Daniel, Little Falls, Minn. Boat. 2,154,040; Apr. 11.

Frochlich, Louis P. (See Della Chiesa, A. D., and Frochlich.)

Frost, Orcutt W., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of surfaced felted sheets. 2,154,201; Apr. 11.

Fulk, James B., assignor to Carbon Interleaved Forms Corporation, Norwalk, Ohio. Making manifold forms. 2,154,157; Apr. 11.

Gale, Glen F., Salt Lake City, Utah. Typographical machine line indicator. 2,154,267; Apr. 11.

Gallery, Daniel V., U. S. Navy. Gasoline storage tank explosion-hazard eliminating device. 2,153,555; Apr. 11.

Gardner, John K. (See Gardner, Joseph H. S. and J. K.)

Gardner, Joseph H. S. and J. K., assignors to L. Gardner & Sons Limited, Patricroft, near Manchester, England. Varying the fuel supply to internal combustion engines. 2,153,921; Apr. 11.

Gardner, L., & Sons Limited. (See Gardner, Joseph H. S. and J. K., assignors.)

Gardner, Louis W., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Seismograph prospecting. 2,153,920; Apr. 11.

Garrison, John R., assignor to Garrison Machine Works, Inc., Dayton, Ohio. Gear chuck. 2,153,829; Apr. 11.

Garrison Machine Works, Inc. (See Garrison, John R., assignor.)

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Ratchet and pawl mechanism. 2,153,556; Apr. 11.

Gartner and Bender, Inc. (See Fawcett, Jack O., assignor.)

Geigy, J. R., S. A. (See Becherer, F., Iselin, and Bindler.)

General Aniline Works, Inc. (See Laska, L., Zitscher, and Heil, assignors.)

General Aniline Works, Inc. (See Mieg, W., and Burneleit, assignors.)

General Aniline Works, Inc. (See Rieche, A., and Rudolph, assignors.)

General Aniline Works, Inc. (See Schweitzer, H., Bayer, and Schrader, assignors.)

General Electric Company. (See Ayer, Raymond B., assignor.)

General Electric Company. (See Bixler, Harley H., assignor.)

General Electric Company. (See Cooper, La Mar S., assignor.)

General Electric Company. (See Hall, William D., assignor.)

General Electric Company. (See Kinnard, Isaac F., assignor.)

General Electric Company. (See McMahan, Kenton D., assignor.)

General Electric Company. (See Minneci, Salvatore, assignor.)

General Electric Company. (See Ommundson, Harry, assignor.)

General Electric Company. (See Savage, Marion A., assignor.)

General Electric Company. (See Suits, Chauncey G., assignor.)

General Electric Company Limited, The. (See Turner, H. C., and Nuttall, assignors.)

General Motors Corporation. (See Anderson, J. A., and Hunt, assignors.)

General Motors Corporation. (See Baker, John A., assignor.)

General Motors Corporation. (See Dyer, John B., assignor.)

General Motors Corporation. (See Eshbaugh, Jesse E., assignor.)

General Motors Corporation. (See Holmes, R. F., and Crabb, assignors.)

General Motors Corporation. (See Kamrath, Herbert G., assignor.)

General Motors Corporation. (See Karmazin, John, assignor.)

General Motors Corporation. (See Kucher, Andrew A., assignor.)

General Motors Corporation. (See Rasmussen, O., and Hause, assignors.)

General Motors Corporation. (See Reeves, Donald H., assignor.)

General Motors Corporation. (See Riedel, Walter W., assignor.)

General Motors Corporation. (See Sampson, Frederick W., assignor.)

General Motors Corporation. (See Van Voorhees, Harold E., assignor.)

General Motors Corporation. (See Wolfram, William S., assignor.)

Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Current collector. 2,154,380; Apr. 11.

George, Willis C. (See Schumacher, J. H., and George.)

Gersch, Adolph E., assignor to Stewart-Warner Corporation, Chicago, Ill. Tuning apparatus for radio receivers. 2,153,865; Apr. 11.

Gessler, Frederick A. (See Scheel, C. F., and Gessler.)

Gibson, Reginald O. (See Fawcett, E. W., Gibson, and Perrin.)

Gilbert & Barker Manufacturing Company. (See Logan, Joseph A., assignor.)

Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel combustion control system. 2,154,041; Apr. 11.

Globe Oil Tools Company. (See Catland, Alfred C., assignor.)

Goerl, Conrad P., Oakland, Calif. Cooking kit. 2,154,305; Apr. 11.

Goertzen, William S., Newton, Kans. Fishline float. 2,153,750; Apr. 11.

Goins, Henry S., Chicago, Ill. Scaffold. 2,153,884; Apr. 11.

Goldberg, David D., Springfield, and A. R. Kligman, assignors to Chapman Valve Manufacturing Company, Indian Orchard, Mass. Valve apparatus. 2,153,885; Apr. 11.

Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Roll film camera. 2,153,665; Apr. 11.

Goldman, Isidore H., Brooklyn, N. Y. Sound recording apparatus. 2,153,751; Apr. 11.

Goldsmith, Bertram J., Neshanic, N. J. Counter or table dispensing and display construction. 2,154,268; Apr. 11.

Gomez, Greci G. (See Jones, R. N., and Gomez.)

Good, Paul E., Riverton, N. J. Tube cleaner motor. 2,154,328; Apr. 11.

Goodman Manufacturing Company. (See Bergmann, Ernst R., assignor.)

Goodrich, B. F., Company, The. (See Anderson, David R., assignor.)

Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)

Goodstein, Charles B., Brooklyn, N. Y. Staple strip and producing the same. 2,154,306; Apr. 11.

Gordonier, Robert E., and H. L. Fischer, assignors to Brown & Bigelow, St. Paul, Minn. Thermometer. 2,153,830; Apr. 11.

Gorman, Thomas J., Jr., Newark, N. J. Machine for attaching bails to cans. 2,154,071; Apr. 11.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Thermostatically controlled electric heating appliance. 2,154,042; Apr. 11.

Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Thermostatically controlled electric heating appliance. 2,154,043; Apr. 11.

Gramann, Heinrich F. M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Marking device for index blanks. 2,154,269; Apr. 11.

Grant, John. (See Erwin, Weldon C., assignor.)

Grant, John. (See Foster, Walter L., assignor.)

Grave, William. (See Kingsbury, F. L., and Grave.)

Grayson Heat Control, Inc. (See Grayson, John H., assignor.)

Grayson, John H., assignor to Grayson Heat Control, Inc., Lynwood, Calif. Oven heat control. 2,153,886; Apr. 11.

Green, Ernest. (See Smith, S. B., and Green.)

Green, George R., Livingston, Wis. Closure fastening device. 2,154,001; Apr. 11.

Green, John R., Philadelphia, A. E. Krogh, Erdenheim, C. B. Moore, Carroll Park, and R. Ullman, Roslyn, assignors to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 2,153,922; Apr. 11.

Green, Stanley S. (See Road, R. A., and Green.)

Gregorie, Eugene T., Grosse Ile, assignor to Ford Motor Company, Dearborn, Mich. Motor vehicle construction. 2,153,535; Apr. 11.

Greider, Harold W., Wyoming, and G. A. Fasold, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company. Flexible cement roofing. 2,153,887; Apr. 11.

Grenell, Arthur F., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulating circuit. 2,154,239; Apr. 11.

Grenier, Joseph O., Vancouver, British Columbia, Canada. Combination dredging, drilling, and pile-driving equipment. 2,153,557; Apr. 11.

Gricks, Rudolph, New York, N. Y. Colostomy apparatus. 2,154,202; Apr. 11.

Grieten, Frederick M., Miami, Fla. Fishing reel. 2,153,923; Apr. 11.

Grimes, Clinton A., Philadelphia, Pa. Storm shield for windows. 2,153,798; Apr. 11.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Combined hinge and flow valve. 2,153,536; Apr. 11.

Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Combined seat and flush rim. 2,154,240; Apr. 11.

Groetchen, Richard. (See Peters, William G., assignor.)

Gruss, Roland M., San Francisco, Calif. Counterbalanced stamp mill. 2,153,558; Apr. 11.

Gruver, John H., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,154,381; Apr. 11.

Guba, Raymond J., Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation. Advertising sign. 2,154,088; Apr. 11.

Gudge, Herbert, New York, N. Y. Safety lock. 2,153,831; Apr. 11.

Guillod, Herman, Elgin, Ill. Garment clasp. 2,154,329; Apr. 11.

Guinness, Arthur, Son and Company Limited. (See Millar, James H., assignor.)

Gulf Research & Development Company. (See Exline, Paul G., assignor.)

Gulf Research & Development Company. (See Gardner, Louis W., assignor.)

Gulf Research & Development Company. (See Owens, W. A., and Otto, assignors.)

Gürtler, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direct current amplifier circuits. 2,153,752; Apr. 11.

Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Voting machine. 2,154,158; Apr. 11.

Gutwein, Theodore, Dayton, Ohio. Shoe insole. 2,153,832; Apr. 11.

Hadley Company, The. (See Tost, Charles R., assignor.)

Haferkorn, Herbert O., Alliance, Ohio. Double acting jack. 2,153,888; Apr. 11.

Hagner, Frances, Barstow, Md. Skirt marker. 2,153,799; Apr. 11.

Haines, Charles E., Santa Barbara, assignor to Pacific Gire Sales Co., Alameda, Calif. Aerial advertising device. 2,153,924; Apr. 11.

Hall, William D., West Lynn, Mass., assignor to General Electric Company. Compensating means for long-scale watt-meters. 2,154,307; Apr. 11.

Hames, Frederick W., New York, assignor to J. A. Deknatel & Son, Inc., Queens Village, N. Y. Suture. 2,153,889; Apr. 11.

Hamilton, Philip E., Beaver Falls, Pa. Electrical receptacle. 2,154,159; Apr. 11.

Hamilton, Philip E., Beaver Falls, Pa. Attachment for electrical apparatus. 2,154,160; Apr. 11.

Hanley, Hugh, and E. Nielsen, Kankakee, Ill. Window. 2,154,330; Apr. 11.

Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,153,690; Apr. 11.

Hannon, Wilbur. (See Andrews, C., and Hannon.)

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Compensating metering apparatus. 2,154,270; Apr. 11.

Hartman, Frederick V., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Fluid tank. 2,154,044; Apr. 11.

Hartshorn, Chester W., Syracuse, Kans. Door closing apparatus. 2,153,833; Apr. 11.

Hat Corporation of American. (See Cavanagh, John, assignor.)

Hathcock, Craven D., Oklahoma City, Okla. Hydraulic pump. 2,154,331; Apr. 11.

Hauffe, Otto, assignor to Deutsche Celluloid-Fabrik, Eilenburg, Germany. Manufacture of shaped articles of highly polymeric compounds. 2,154,203; Apr. 11.

Hause, Gilbert K. (See Rasmussen, O., and Hause.)

Hayton, Thomas R., Chicago, Ill. Combined dilating and massaging device. 2,153,753; Apr. 11.

Hazeltine Corporation. (Wheeler, Harold A., assignor.)

Heath, Sheldon B., and F. R. Minger, assignors to The Dow Chemical Company, Midland, Mich. Homogenizing apparatus. 2,153,537; Apr. 11.

Heckman, Joseph H., Chicago, Ill. Curtain holder. 2,154,161; Apr. 11.

Heil, Rudolf. (See Laska, L., Zitscher, and Heil.)

Heilbron, Isidor M., Manchester, England, F. Irving, Grangemouth, Scotland, and R. P. Linstead, London, England, assignors to Imperial Chemical Industries Limited. Coloring matters of phthalocyanine type. 2,153,620; Apr. 11.

Heineman, Charles W., and E. B. Thomas, Connersville, Ind. Signaling device. 2,153,754; Apr. 11.

Heineman, Paul G., Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Medicinal container. 2,153,981; Apr. 11.

Henderson, Irwin R., Charleston, W. Va. Cement sprayer. 2,154,308; Apr. 11.

Hendricks, Walter H., assignor to Wm. B. Scaife and Sons Company, Oakmont, Pa. Valve. 2,153,559; Apr. 11.

Henriques, Hilary J. (See McKittrick, D. S., and Henriques.)

Herbst, Donald F., Milwaukee, Wis. Underbody for shoes. 2,154,241; Apr. 11.

Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Multiaxle drive vehicle. 2,154,045; Apr. 11.

Herrmann, Paul J., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co., Dresden, Germany. Tobacco spreader for cigarette-making machines. 2,153,982; Apr. 11.

Hershman, Paul R., assignor to Petro Chemical Company, Chicago, Ill. Reagent and process for treating petroleum oils. 2,153,560; Apr. 11.

Hess, Harold C., Decatur, Ill. Portable sanitary comfort seat for children. 2,153,866; Apr. 11.

Hevaloid Corporation. (See Lejeune, Léon S. M., assignor.)

Hevaloid Corporation. (See Lejeune, Léon S. M. and E. J. A., assignors.)

Hewel, Horst. (See Roosenstein, H. O., and Hewel.)

Hewitt, John C., Jr., and V. E. Kuster, Long Beach, Calif. Means to orient tools in a well. 2,154,162; Apr. 11.

Heyne, Clarence A., Alton, Ill., assignor to Owens-Illinois Glass Company. Apparatus for handling bottles and jars. 2,154,126; Apr. 11.

Higgins, Dale G., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company., Wilmington, Del. Beaded surfaces. 2,153,755; Apr. 11.

Higgins, Francis W., Hale, England, assignor to The Carborundum Company, Niagara Falls, N. Y. Refractory article. 2,154,271; Apr. 11.

Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, Germany, and E. Schwenk, Bloomfield, N. J., assignors to Schering Aktiengesellschaft, Berlin, Germany. Producing acyl derivatives of the dihydrofollicle hormone and resulting product. 2,154,272; Apr. 11.

Hileman, James, Swissvale, Pa. Valve mechanism. 2,153,834; Apr. 11.

Hill, Sidney M., Hollywood, and F. S. Testera, Van Nuys, Calif. Film rewinding apparatus. 2,153,666; Apr. 11.

Hillman, Endocen H., assignor to Standard Oil Company, Chicago, Ill. Printing ink. 2,154,089; Apr. 11.

Hironaka, Yasusaburo, Tsuwano-cho, Kanoashi-gun, assignor of one-half to K. Tsuneda, Kyoto, Japan. Internal combustion engine automatic compression ratio varying means. 2,153,691; Apr. 11.

Hirsch, Raymond S., Viroqua, assignor of one-half to I. J. Wilson, Portage, Wis. Obstetrical receptor pad. 2,154,332; Apr. 11.

Hixon, Alfred J., Braintree, Mass. Cable tapping device. 2,154,163; Apr. 11.

Hodges, William O., San Antonio, Tex. Electric door switch. 2,153,835; Apr. 11.

Hodgins, Theodore S. (See Hovey, A. G., and Hodgins.)

Hoe, R., & Co. (See Horton, Albert J., assignor.)

Hoekstra, Harold D., Wayne, Mich., assignor, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill. Airplane control. 2,153,667; Apr. 11.

Hoff, George P., and H. H. Parker, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Rayon structures and their preparation. 2,154,204; Apr. 11.

Holborn, Frederick. (See Eller, K. B., and Holborn.)

Hollengreen, Wilburn A. (See Mathias, S. W., and Hollengreen.)

Hollmann, Hans E., Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, New York, N. Y. Electromechanical oscillating device. 2,154,127; Apr. 11.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Bending tool. 2,153,867; Apr. 11.

Holmes, Lester B., Garden City, Kans. Musical instrument tuning apparatus. 2,153,800; Apr. 11.

Holmes, Russell F., and L. M. Crabb, Flint, assignors to General Motors Corporation, Detroit, Mich. Automatic choke valve. 2,154,090; Apr. 11.

Holst, Poul F. G., Oaklyn, N. J., assignor to Radio Corporation of America. Bias potential supply system. 2,154,091; Apr. 11.

Honerkamp, Friedrich. (See Kurth, F. J., and Honerkamp.)

Honig, Henry T., assignor to Universal Monotabular Corporation, Dallas, Tex. Tabular broaching machine. 2,153,890; Apr. 11.

Hoose, William M., Highland Park, Mich. Car loader. 2,154,309; Apr. 11.

Horn, Ott. (See Nicodemus, O., Lange, and Horn.)

Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,153,959; Apr. 11.

Horwitt, Nathan G. (See Charlop, E., and Horwitt.)

Hothersall, John M., and G. C. Reid, Brooklyn, assignors to American Can Company, New York, N. Y. Coating machine. 2,153,561; Apr. 11.

Hott, Ion V. K., assignor to The Joyce-Gridland Company, Dayton, Ohio. Automobile lift. 2,153,891; Apr. 11.

Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)

Hovey, Almon G., Pleasant Ridge, and T. S. Hodgins, assignors to H. Reichhold, doing business as Reichhold Chemicals, Detroit, Mich. Acid-amine condensation product. 2,153,801; Apr. 11.

Hovgard, Paul E., Bristol, assignor to Kellett Autogiro Corporation, Philadelphia, Pa. Aerial advertising banner. 2,153,562; Apr. 11.

Howard, Clarence B., Oakland, Calif., assignor to E. H. Kueffer. Vehicle signal switch. 2,153,621; Apr. 11.

Howe, Charles H. R., Richmond, Va. Rail and cross-tie assembly. 2,154,164; Apr. 11.

Howland, John G., Old Greenwich, Conn., assignor of one-half to H. Schwartz, New York, N. Y. Slip. 2,153,836; Apr. 11.

Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation. Electric motor and making the same. 2,153,563; Apr. 11.

Hulfish, David S. (See Kleinschmidt, E. E., and Hulfish.)

Human, Henry. (See Muldoon, B. F., and Britsch, assignors.)

Humphrey, Homer D., et al. (See Coppock, Ira M., assignor.)

Hunt, John E., Jackson, Calif. Flotation concentration of ores. 2,154,092; Apr. 11.

Hunt, Logan G. (See Anderson, J. A., and Hunt.)

Hunt, Seymour, Jackson Heights, N. Y., assignor to Radio Corporation of America. Audio amplifier circuit. 2,153,756; Apr. 11.

Hunt, Shirley B., Birmingham, Ala. Natural color cinematography. 2,153,564; Apr. 11.

Hunter, David E., deceased, Muskegon, Mich., by M. H. Brown, East Greenwich, R. I., special administratrix, assignor to The Shaw-Walker Company, Muskegon, Mich. Metal lining for walls of insulated cabinets. 2,153,868; Apr. 11.

Hunter Illuminated Car Sign Co. Inc., The. (See Reisiger, William F., assignor.)

Huntington, James M., La Canada, Calif. Barbecue stand. 2,154,165; Apr. 11.

Hutter, William H., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph. 2,154,093; Apr. 11.

Hyatt, Louis C., Albany, N. Y. Lubricant container for journal boxes. 2,153,692; Apr. 11.

Hybinette, Noak V., Jackson, Mich. Insulating concrete construction. 2,153,837; Apr. 11.

I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, K., Paquin, and Riedelsberger, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Dannenberg, H., and Saffert, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lieseberg, Friedrich, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lieseberg, F., and Wietzel, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Nicodemus, O., Lange, and Horn, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., Keyssner, and Nicolai, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schierenbeck, Julius, assignor.)

Iddings, Carl, Staten Island, N. Y., assignor to The Muralo Company, Inc. Stable casein solution. 2,154,400; Apr. 11.

Iddings, Carl, Staten Island, N. Y., assignor to The Muralo Company, Inc. Water paste paint. 2,154,401; Apr. 11.

Ilford Limited. (See Barent, M., and Kendall, assignors.)

Ilford Limited. (See Kendall, John D., assignor.)

Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)

Illinois Watch Case Company. (See Wewetzer, Albert, assignor.)

Imperial Brass Manufacturing Company, The. (See Neukirch, Frank, assignor.)

Imperial Chemical Industries Limited. (See Fawcett, E. W., Gibson, and Perrin, assignors.)

Imperial Chemical Industries Limited. (See Heilbron, I. M., Irving, and Linstead, assignors.)

Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)

Imperial Chemical Industries Limited. (See Taylor, James, assignor.)

Imperial Chemical Industries Limited. (See Tyre, Alexander T., assignor.)

Ingersoll Milling Machine Company. (See Johnson, John R., assignor.)

Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)

Injection Moulding Corp. (See Berliner, Eleanor S., assignor.)

Innis, James S., New York, N. Y. Article holding foldable box. 2,153,538; Apr. 11.

International Harvester Company. (See Cudderback, N. C., and Benjamin, assignors.)

International Harvester Company. (See Reinoehl, H. K., and Renno, assignors.)

Iowa State College Research Foundation. (See Collins, Edgar V., assignor.)

Irrgang, William F. (See Shea, J. J., and Irrgang.)

Irving, Francis. (See Heilbron, I. M., Irving, and Linstead.)

Irwin, Justus C., Minneapolis, Minn., assignor to H. B. Laymon, Spencer, Ind. Vending machine. 2,154,205; Apr. 11.

Isaacson, Max, Dayton, Ohio. Magnetic type floating compass card. 2,153,565; Apr. 11.

Iselin, Martin. (See Becherer, F., Iselin, and Bindler.)

Jackman, Fred W., Beverly Hills, assignor to Warner Bros. Pictures, Inc., Burbank, Calif. Double camera. 2,153,892; Apr. 11.

Jackson, Charles R. (See Loughmiller, William N., assignor.)

Jackson, Corwill, Ludington, Mich. Concrete placing machine. 2,154,206; Apr. 11.

Jackson, Corwill, Ludington, Mich. Concrete placing apparatus. 2,154,207; Apr. 11.

Jackson, Corwill, Ludington, Mich. Transportable support for power implements and units. 2,154,208; Apr. 11.

Jackson, George J., assignor to Woodall-Duckham (1920) Limited, London, England. Underjet-fired coke oven. 2,154,166; Apr. 11.

Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Stay for pan sets. 2,153,757; Apr. 11.

Jacob, Frederick N., assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability tuned antenna system. 2,153,622; Apr. 11.

Jacobs, Albert L., Pittsburgh, Pa. Treating manganese ores. 2,154,128; Apr. 11.

Jacobs, F. L., Company. (See Chesley, Walter R., assignor.)

Jacobson, Louis J., Chicago, Ill. Cigarette holder. 2,153,623; Apr. 11.

Jakosky, John J., Los Angeles, Calif. Method and apparatus for continuous exploration of bore holes. 2,153,802; Apr. 11.

James Mfg. Co. (See Olson, John B., assignor.)

Jay, William R., Jackson, Mich., Garment. 2,153,838; Apr. 11.

Jenkins, Russell L., Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. Purification of aryl amines. 2,153,960; Apr. 11.

Jenks, Harry N., Berkeley, Calif., assignor to The Carborundum Company, Niagara Falls, N. Y. Water treatment. 2,154,167; Apr. 11.

Jerabek, Ben D., Hutchinson, Minn. Hoisting apparatus. 2,153,803; Apr. 11.

Jewett, Freeborn G., Lake Forest, Ill., and M. V. Odquist, Hastings on Hudson, assignors to American Can Company, New York, N. Y. Display stand. 2,153,566; Apr. 11.

Johanson, Elof, Chicago, Ill. Venetian blind clamp. 2,153,893; Apr. 11.

Johnson, Chester W., South Weymouth, Mass., assignor to I. L. Cragin, C. W. Johnson, and R. N. Dresser, as trustees. Gas detection apparatus. 2,153,568; Apr. 11.

Johnson, John G. (See Kennedy, M. D., and Johnson.)

Johnson, John R., assignor to Ingersoll Milling Machine Company, Rockford, Ill. Machine tool driving mechanism. 2,153,567; Apr. 11.

Johnson Laboratories, Inc. (See Jacob, Frederick N.,

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake beam hanger pin and adapter. 2,154,094; Apr. 11.

Johnson, Otto V., Minneapolis, Minn. Safety match book. 2,153,925; Apr. 11.

Jones, Clarence E., Springfield, Ohio. Float for fishing lines. 2,153,869; Apr. 11.

Jones, Clarence F., Fort Collins, Colo. Trailer construction. 2,154,129; Apr. 11.

Jones, Frederick W., Milwaukee, Wis. Internal combustion engine. 2,154,095; Apr. 11.

Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Nonstaining antioxidants. 2,153,804; Apr. 11.

Jones, Russell N., and G. G. Gomez, Johnsonburg, Pa., assignors to Castenea Paper Company. Electrolytic cell. 2,153,569; Apr. 11.

Jones, Watkin F., Upper Darby, Pa. Railroad track. 2,153,624; Apr. 11.

Jones, Watkin F., Upper Darby, Pa. Toy train tie. 2,153,625; Apr. 11.

Jorgensen, Jacob C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 2,153,570; Apr. 11.

Joyce-Gridland Company, The. (See Hott, Ion V. K., assignor.)
Junghans, Helmut, Schramberg-Sulgen, Germany. Mechanical time fuse. 2,153,758; Apr. 11.
Kahn, Benjamin, assignor to Kinetic Cycle Research Corporation, New York, N. Y. Radial engine structure. 2,154,402; Apr. 11.
Kiihr, Gustaf, Nybro, Sweden. Laminated wooden plate. 2,153,715; Apr. 11.
Kallio, Inc. (See Verbeek, Arnold, assignor.)
Kalle & Co., Aktiengesellschaft. (See Sponsel, Kurt, assignor.)
Kallmeyer, Friedrich W., assignor to Atlas-Werke Aktiengesellschaft, Bremen, Germany. Vibratory system for the transmission and reception of sound waves. 2,153,571; Apr. 11.
Kammer, George S., Budapest, Hungary. Internal combustion engine. 2,153,805; Apr. 11.
Kampfer. Adolf, Charlottenburg, Berlin, Germany. Extruding plastic masses onto sheets. 2,154,333; Apr. 11.
Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Crankcase breather and oil filler pipe assembly. 2,154,072; Apr. 11.
Kaplan, Emanuel. (See Klein, H., and Kaplan.)
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Rotary hook sewing machine threadcase. 2,154,403; Apr. 11.
Karmazin, John, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio. Forming a heat exchange device. 2,153,806; Apr. 11.
Katzinger, Arthur, Glencoe, assignor to Edward Katzinger Company, Chicago, Ill. Knife. 2,153,759; Apr. 11.
Katzinger, Edward, Company. (See Jackson, Joseph G., assignor.)
Katzinger, Edward, Company. (See Katzinger, Arthur, assignor.)
Kégresse, Adolphe, Paris, France. Control valve for hydraulic change-speed devices. 2,153,926; Apr. 11.
Kelch, Lester F. and W. W., Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Lighted toy railroad coach. 2,153,983; Apr. 11.
Kelch, Wilbur W. (See Kelch, Lester F. and W. W.)
Kelleher, Patrick F. (See Brosnan, C. A., and Kelleher.)
Kellett Autogiro Corporation. (See Hovgard, Paul E., assignor.)
Kelley, Zar W., assignor to The Carpenter Heating & Stoker Company, Cleveland, Ohio. Pressure responsive device. 2,153,716; Apr. 11.
Kelsey-Hayes Wheel Company. (See Cornwall, James E., assignor.)
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)
Kelsey-Hayes Wheel Company. (See Sinclair, Edward R., assignor.)
Kemmerer, Ralph R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,153,668; Apr. 11.
Kemp, C. M., Manufacturing Company, The. (See Dunkak, Elmer B., assignor.)
Kendall, John D. (See Barent, M., and Kendall.)
Kendall, John D., assignor to Ilford Limited, Ilford, England. Cyanine dyes and preparing them. 2,153,927; Apr. 11.
Kendall, John D., assignor to Ilford Limited, Ilford, England. Modifying sensitivity of photographic emulsions. 2,153,929; Apr. 11.
Kendall, John D., assignor to Ilford Limited, Ilford, England. Manufacture of thiones and selenones. 2,154,334; Apr. 11.
Kendall, John D., Ilford, assignor to Ilford Limited, Ilford, Essex, England. Sensitized photographic emulsions. 2,153,928; Apr. 11.
Kendall, John D., Ilford, assignor to Ilford Limited, Ilford, Essex, England. Sensitized photographic emulsions. 2,153,930; Apr. 11.
Kenjiro Tsuneda. (See Hironaka, Yasusaburo, assignor.)
Kennedy, Mabry D., and J. G. Johnson, Orlando, Fla. Method and apparatus for drying fruit and the like. 2,153,572; Apr. 11.
Kerrick, Walter B., Los Angeles, Calif. Orchard heater. 2,154,002; Apr. 11.
Keyssner, Ernst. (See Reppe, W., Keyssner, and Nicolai.)
Kickhofel, Albert A., Detroit, Mich. Ashtray attachment. 2,154,335; Apr. 11.
Killian, Thomas J., Seattle, Wash. Electrode for ionic discharge devices. 2,154,404; Apr. 11.
Kimball, Charles N., East Orange, N. J., assignor to Radio Corporation of America. Automatic volume control circuits. 2,153,760; Apr. 11.
Kinetic Cycle Research Corporation. (See Kahn, Benjamin, assignor.)
King, Alvin N., Oakland, Calif. Comb. 2,154,336; Apr. 11.
King, Alvin N., Oakland, Calif. Thimble stick attachment. 2,154,337; Apr. 11.
Kingsbury, Franklin L., and W. Grave, St. Louis, Mo., assignors to National Lead Company, New York, N. Y. Beneficiating titaniferous ores. 2,154,130; Apr. 11.
Kingsport Press, Inc. (See Palmer, Elbridge W., assignor.)
Kinlock Donald H., Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y. Nonabrading reloadable cartridge. 2,153,573; Apr. 11.
Kinnard, Isaac F., Lynnfield, Mass., assignor to General Electric Company. Meter connection box. 2,154,310; Apr. 11.
Kiss, Wilhelm, Aszod, Hungary. Combined hot-water and steam generating device. 2,153,717; Apr. 11.
Kissel, B. M. (See Kissel, William L., assignor.)
Kissel Industries. (See Kissel, William L., assignor.)
Kissel, William L., assignor to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis. Outboard motor. 2,153,626; Apr. 11.
Kitroser, Isaac, Viroflay, assignor to Société Bronzavia, Paris, France. Navigation apparatus for aircraft. 2,153,718; Apr. 11.
Klein, Abraham. (See Esterow, L., and Klein.)
Klein, Henry, and E. Kaplan, Baltimore, Md. Dentifrice. 2,154,168; Apr. 11.
Kleinert, Margaret E., South Bend, Ind. Jar cap or closure. 2,153,807; Apr. 11.
Kleinschmidt, Edward E., Highland Park, and D. S. Hulfish, assignors to Teletype Corporation, Chicago, Ill. Automatic switching system and apparatus. 2,153,574; Apr. 11.
Kligman, Aaron R. (See Goldberg, D. D., and Kligman.)
Knappe, Cnrt, Berlin-Haselhorst, and A. Siemens, Berlin-Grunewald, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal vapor rectifier. 2,154,274; Apr. 11.
Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,153,627; Apr. 11.
Knoll, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron tube. 2,153,628; Apr. 11.
Knös, Gunnar B., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electromagnetic relay. 2,154,338; Apr. 11.
Kobold, Josef, assignor to Maschinenfabrik Esslingen, Esslingen-on-the-Neckar, Germany. Method and apparatus for making dry ice. 2,153,629; Apr. 11.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Stop mechanism for typewriters. 2,153,630; Apr. 11.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Removable attachment for typewriters. 2,153,631; Apr. 11.
Koca, James F., assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter escapement mechanism. 2,153,632; Apr. 11.
Koch, Winfield R., Merchantville, N. J., assignor to Radio Corporation of America. Continuous wave signal receiving system. 2,154,073; Apr. 11.
Koehler, Paul O., Louisville, Ky. Molding device. 2,154,169; Apr. 11.
Kohlhagen, Walter, assignor to The Waterbury Clock Company, Waterbury, Conn. Make-and-break electric-motor device. 2,153,761; Apr. 11.
Kohn, Jack, Brooklyn, N. Y. Combination tooth brush and sipper. 2,154,209; Apr. 11.
Kollsman, Paul, Stamford, Conn. Methods of and apparatus for making aneroids. 2,154,273; Apr. 11.
Kost, Harold W., Ferndale, assignor to Detroit Harvester Company, Detroit, Mich. Fastening clip for cables or the like. 2,154,046; Apr. 11.
Kramer, Fay. (See Kramer, Irving V., assignor.)
Kramer, Irving V., Bronx, assignor, by mesne assignments, to F. Kramer, New York, N. Y. Book with exchangeable leaves and binding element therefor. 2,153,575; Apr. 11.
Kramer, Leroy A., Chicago, Ill., assignor to Victor Chemical Works. Stable basic aluminum formate and solutions thereof. 2,154,170; Apr. 11.
Krider, George E., Blair County, Pa. Traction device. 2,154,047; Apr. 11.
Kritchevsky, Wolf, assignor to Ninol, Inc., Chicago, Ill. Treatment of furs and skins. 2,153,762; Apr. 11.
Krogh, Anker E. (See Green, J. R., Krogh, Moore, and Ullman.)
Kucher, Andrew A., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Shipping crate for refrigerating apparatus. 2,154,242; Apr. 11.
Kueffer, E. H. (See Howard, Clarence B., assignor.)
Kuhler, Otto, New York, N. Y. Adjustable seat. 2,153,763; Apr. 11.
Kuhsel, Joseph A., Altona, Germany. Convertible excavator. 2,153,719; Apr. 11.
Kuiper, Gerhard C. R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Vehicle brake. 2,154,171; Apr. 11.
Kurth, Franz J., and F. Honerkamp, New York, N. Y., assignors to Anemostat Corporation of America. Air supply device. 2,153,576; Apr. 11.
Kuster, Vivian E. (See Hewitt, J. C., Jr., and Kuster.)
La Forest, Louis Z., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,154,048; Apr. 11.
Lait, Myron. (See Legoff, H. M., and Lait.)
Lamprey, Headlee, Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Noncorrosive alcohol antifreeze liquid. 2,153,961; Apr. 11.
Landis Machine Company. (See Mathias, S. W., and Hollengreen, assignors.)

Lane, John D., Boston, Mass. Paper drinking cup. 2,154,003; Apr. 11.
Lang, Adam M., assignor to Langsenkamp Wheeler Brass Works, Inc., Indianapolis, Ind. Sediment sampler. 2,153,894; Apr. 11.
Lange, Heinrich. (See Nicodemus, O., Lange, and Horn.)
Langhans, Otto W., Caldwell Township, Essex County, assignor to American Platinum Works, Newark, N. J. Machine for making pen points. 2,154,243; Apr. 11.
Langsenkamp Wheeler Brass Works, Inc. (See Lang, Adam M., assignor.)
Lanova Corporation. (See Fischer, Hans, assignor.)
LaPointe Machine Tool Company, The. (See Baker, Harry A., assignor.)
Lapointe Machine Tool Company, The. (See Forbes, John W., assignor.)
Laska, Leopold, Offenbach-on-the-Main, A. Zitscher, Kronberg in Taunus, and R. Heil, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo dyestuffs and fiber dyed therewith. 2,153,539; Apr. 11.
Lathrop, Harry D., Chicago, Ill., assignor to The Lathrop-Paulson Co. Cover applying mechanism for can washing machines. 2,154,172; Apr. 11.
Lathrop-Paulson Co., The. (See Lathrop, Harry D., assignor.)
Lauter, Werner M., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber composition and preserving rubber. 2,153,962; Apr. 11.
Lavarack, Frederick C., Montclair, N. J., and B. Schlesinger, Flushing, assignors to Railroad Accessories Corporation, New York, N. Y. Rail drilling machine. 2,154,244; Apr. 11.
Lawrence, Edwin, Cossipore, Calcutta, India. Oil extractor. 2,154,339; Apr. 11.
Laymon, Herman B. (See Irwin, Justus C., assignor.)
Layne, Leslie A. (See Block, Harold C., assignor.)
Lea, Edward S., Morrisville, Pa., assignor to G. Von Seebeck, trustee, New York, N. Y. Air conditioning apparatus. 2,153,932; Apr. 11.
Lecher, Hans Z., Plainfield, and R. P. Parker, Somerville, assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Stable ice color producing compositions. 2,154,405; Apr. 11.
Lederer, Ernest A., Essex Fells, N. J., assignor, by mesne assignments, to Radio Corporation of America. Getter. 2,154,131; Apr. 11.
Lee, Charles A., Kansas City, Kans. Explosive engine. 2,153,870; Apr. 11.
Lee, James W. (See Barney, F., and Lee.)
Leeds & Northrup Company. (See Davis, E. T., and Wunsch, assignors.)
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Legoff, Hiram M., and M. Lait, Denmark, Maine. Traction attachment for vehicles. 2,154,340; Apr. 11.
Leicht, Ernst W., Gittersee, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany. Pneumatic conveying pipe. 2,153,984; Apr. 11.
Leitz, Ernst, G. m. b. H. (See Albert, Wilhelm, assignor.)
Lejeune, Emile J. A. (See Lejeune, Léon S. M. and E. J. A.)
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Metalworking machine. 2,154,004; Apr. 11.
Lejeune, Léon S. M., Paris, France, assignor by mesne assignments, to Hevaloid Corporation, Dover, Del. Manufacture of elastic fabric. 2,153,964; Apr. 11.
Lejeune, Léon S. M., Paris, France, assignor by mesne assignments, to Hevaloid Corporation, Dover, Del. Manufacture of pneumatic tires. 2,153,965; Apr. 11.
Lejeune, Léon S. M., Paris, France, assignor by mesne assignments, to Hevaloid Corporation, Dover, Del. Manufacture of power transmission belts. 2,153,966; Apr. 11.
Lejeune, Léon S. M., Paris, and E. J. A. Lejeune, Lille, France, assignors, by mesne assignments, to Hevaloid Corporation, Dover, Del. Manufacture of elastic products with a textile basis. 2,153,963; Apr. 11.
Lejeune, Léon S. M., Paris, and E. J. A. Lejeune, Lille, France, assignors, by mesne assignments, to Hevaloid Corporation, Dover, Del. Manufacture of web cord. 2,153,967; Apr. 11.
Lequidometer Corporation, The. (See de Giers, Clarence A., assignor.)
Lev, Harry, Chicago, Ill. Adjustable insignia or badge holder and support for uniform caps. 2,154,210; Apr. 11.
Levey, Gustave, New York, N. Y. Coupling for replacing drive shafts of no-draft window regulators for motor vehicles. 2,154,245; Apr. 11.
Levi, Riccardo, Torino, assignor to the Firm Ing. C. Olivetti & C., Ivrea, Italy. Noiseless typewriter. 2,153,720; Apr. 11.
Levine, Arthur A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Degreasing. 2,153,577; Apr. 11.
Levine, Arthur A., O. W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorination of cyclohexane. 2,154,049; Apr. 11.
Levy, Maurice L., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Wave signaling system. 2,154,311; Apr. 11.
Lewis, Evelyn M., Bell, Calif. Hand loom. 2,153,764; Apr. 11.
Liebergeld, Alfred, assignor to F. Singer, Nuremberg, Germany. Metalworking. 2,153,839; Apr. 11.
Lieseberg, Friedrich, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde from gases containing acetylene. 2,153,578; Apr. 11.
Lieseberg, Friedrich, Ludwigshafen-on-the-Rhine, and G. Wietzel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde from gases containing acetylene. 2,153,985; Apr. 11.
Lindblom, Frank W., Cranston, R. I., assignor to Welsh Manufacturing Company. Spectacle temple mounting. 2,154,382; Apr. 11.
Linn, Adolf, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electrode supporting structure. 2,154,275; Apr. 11.
Linotype and Machinery Limited. (See Billington, J. E., and Scott, assignors.)
Linstead, Gilbert, and C. R. Polstra, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Foldable step. 2,153,946; Apr. 11.
Linstead, Reginald P. (See Heilbron, I. M., Irving, and Linstead.)
Loane, Clarence M., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,154,096; Apr. 11.
Loane, Clarence M., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Lubricating oil. 2,154,097; Apr. 11.
Loane, Clarence M., and B. H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Extreme pressure lubricant. 2,154,098; Apr. 11.
Logan, Joseph A., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Signal device for storage tanks. 2,154,005; Apr. 11.
Logman, Harry C. (See Roach, J. E., and Lohman.)
Long, Wilbur L., Kirksville, Mo. Bottle covering and sealing machine. 2,153,579; Apr. 11.
Lottridge, Fred L., Peru, Ind. Switch equipped male electric plug. 2,153,721; Apr. 11.
Loufbahn, Jennie, assignor of ten-hundredths to J. T. Basseches, New York, N. Y. Shoe construction. 2,153,968; Apr. 11.
Loughmille, William N., assignor of one-half to C. R. Jackson, Mitchell, Oreg. Trailer tongue supporting jack. 2,153,722; Apr. 11.
Lovell, Clarence A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,153,633 Apr. 11.
Lund, Henry H. B., Welwyn Garden City, England. Apparatus for the germination of seeds and the growth of seedlings. 2,153,871; Apr. 11.
Lundgren, William E., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,154,050; Apr. 11.
Lynger, Erik S., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,153,580; Apr. 11.
Lyons, Frank H., Milwaukee, Wis., assignor to E. L. Bruce Company, Memphis, Tenn. Protecting wood from attack by insects and fungi. 2,154,173; Apr. 11.
MacCallum, Frank, Birmingham, assignor to Maxolite Holdings Limited, London, England. Dry battery. 2,154,312; Apr. 11.
MacLaren, Fred B., Jr., assignor to The Bristol Company, Waterbury, Conn. Electronic control system for self-balancing measuring instruments. 2,153,986; Apr. 11.
Madsen, Jens A. W., Sioux City, Iowa. Blade cutter. 2,154,211; Apr. 11.
Mahlke, Wilhelm, Vienna, Austria. Elevator door lock. 2,153,765; Apr. 11.
Mallory, Edward B., Tenafly, N. J. Controlling the purification of sewage. 2,154,132; Apr. 11.
Mandl, Rudi W., New York, N. Y. Sound finder. 2,153,933; Apr. 11.
Mann, Alan N., trustee. (See McCutchen, B. S., and Aiken, assignors.)
Mantle Lamp Company of America, The. (See Davis, Cortland W., assignor.)
Marchbank, John, assignor to Frederick Braby & Company Limited, Glasgow, Scotland. Device for securing glass panes in window frames. 2,153,635; Apr. 11.
Marchou, Elie R., Neuilly-sur-Seine, France. Deformable self-locking nut. 2,154,174; Apr. 11.
Margarian, Masick C., Fresno, Calif. Signaling arm. 2,153,634; Apr. 11.
Margolith, Mordicha, Hawthorne, Calif. Soap holder. 2,153,840; Apr. 11.
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Supporting structure for radio indicating and control apparatus. 2,154,406; Apr. 11.
Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Detachably coupled end stop. 2,154,099; Apr. 11.
Markel, Leon, San Francisco, and F. L. Reynolds, Mill Valley, assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad. 2,153,670; Apr. 11.

Markel, Leon, San Francisco, and F. L. Reynolds, Mill Valley, assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif. Hair waving apparatus. 2,153,671; Apr. 11.

Marks, Harry D., et al. (See Clement, G. H., and Squier, assignors.)

Marks, H. Zachary, et al. (See Clement, G. H., and Squier.)

Marmon-Herrington Company. (See Herrington, Arthur W., assignor.)

Marston, Curtis A., Portland, Oreg. Counting and recording machine. 2,153,808; Apr. 11.

Martenis, William W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Filter protection. 2,154,051; Apr. 11.

Martin, Frank M. (See Davis, J. O., and Martin.)

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of fatty acid compounds. 2,154,341; Apr. 11.

Marvin, Ralph J., assignor of one-half to A. Wiebke, Los Angeles, Calif. Oil ring. 2,154,342; Apr. 11.

Marx, Louis, & Company. (See Kelch, Lester F. and W. W., assignors.)

Maschinenfabrik Esslingen. (See Kobold, Josef, assignor.)

Mason & Hanger Company. (See Donaldson, Francis, assignor.)

Mathias, Samuel W., and M. A. Hollengreen, assignors to Landis Machine Company, Waynesboro, Pa. Die head. 2,154,006; Apr. 11.

Matsubara, Atsushi, Kamikyo-ku, Kyoto, Japan. Prospecting underground ore bodies. 2,153,636; Apr. 11.

Maurer, John F., Jr., North Bergen, N. J. Bottle crate. 2,154,100; Apr. 11.

Maurer, John F., Jr., North Bergen, N. J. Bottle crate. 2,154,101; Apr. 11.

Maxolite Holdings Limited. (See MacCallum, Frank, assignor.)

Mayo, Edward L., assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio. Apparatus for filling liquid receptacles. 2,154,175; Apr. 11.

McCann, Michael, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guard attachment for sewing machines. 2,154,246; Apr. 11.

McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Filling compound for and method of insulating conductors. 2,154,276; Apr. 11.

McCutchen, Brunson S., Princeton Township, Mercer County, N. J., and C. B. Aiken, West Lafayette, Ind., assignors to A. N. Mann, trustee, Scarsdale, N. Y. Radio system. 2,153,969; Apr. 11.

McDaniel, George R., Cincinnati, Ohio, assignor, by mesne assignments, to Diamond Alkali Company, Pittsburgh, Pa. Making alkali metal silicates. 2,153,872. Apr. 11.

McDermott, Henry J., Prospect Park, assignor to American Viscose Corporation, Marcus Hook, Pa. Cake swift. 2,154,343; Apr. 11.

McGinnis, Baldy, assignor of one-half to R. A. Carruth, Roswell, Ga. Oscillatory drive for silver receiving cans. 2,154,344; Apr. 11.

McGowan, William L., Cambridge, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Vacuum preparation of compounds. 2,153,970; Apr. 11.

McGregor, Allan L., Chicago, Ill. Velocipede. 2,153,766; Apr. 11.

McGregor, Allan L., Chicago, Ill. Velocipede. 2,153,767; Apr. 11.

McIlvaine Burner Corporation. (See McIlvaine, John H., assignor.)

McIlvaine, John H., assignor to McIlvaine Burner Corporation, Chicago, Ill. Oil burner muffler. 2,154,133; Apr. 11.

McIntosh, Harry E. (See Fleming, L. B., and McIntosh.)

McKenna, Thomas L. (See Zizinia, P. T., and McKenna.)

McKissick, William H., Tulsa, Okla. Tubing catcher and positive actuating mechanism therefor. 2,153,934; Apr. 11.

McKittrick, Donald S., Oakland, and H. J. Henriques, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Solvent and dewaxing mineral oils. 2,153,895; Apr. 11.

McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Directing vane. 2,154,313; Apr. 11.

Meis, Frederick. (See Meis, Roman F., assignor.)

Meis, Roman F., assignor of one-half to F. Meis, Battle Lake, Minn. Ski binder. 2,153,809; Apr. 11.

Melchert, Charles A. (See Starnes, G. R., and Melchert.)

Mercer, James M., assignor to Vento Steel Products Company, Muskegon, Mich. Barn window. 2,153,873; Apr. 11.

Mercer, Raymond C., Los Angeles, Calif. Film rack and handling apparatus. 2,153,810; Apr. 11.

Merck & Co. Inc. (See Roeder, Georg, assignor.)

Messing, Joseph A. (See Frank, W. H., and Messing.)

Metals & Controls Corporation. (See Most, Lucifer J., assignor.)

Meyercord Company, The. (See Carr, J. B., and Rathke, assignors.)

Midland Steel Products Company. (See Eklund, Ivar G., assignor.)

Midland Steel Products Company, The. (See Kuiper, Gerhard C. R., assignor.)

Mieg, Walter, Opladen, and W. Burneleit, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Carbazole derivatives. 2,154,176; Apr. 11.

Millar, James H., Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England. Centrifugal filter and separator. 2,153,581; Apr. 11.

Millar, James H., Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England. Collector for centrifugal apparatus. 2,154,134; Apr. 11.

Miller, Benjamin H., Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Jointed conduit. 2,154,407; Apr. 11.

Miller-Davis Co. (See Davis, J. O., and Martin, assignors.)

Miller, Max C., Cumberland, R. I. Knitting machine. 2,153,582; Apr. 11.

Miller, Stanley B., Morgantown, W. Va. Poultry waterer. 2,154,345; Apr. 11.

Mills, Frederick F., Ocean City, N. Y. Foundation plate. 2,153,672; Apr. 11.

Mills, Gurves, Nacogdoches, Tex. Dispensing device. 2,154,346; Apr. 11.

Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Preservation of paint. 2,153,841; Apr. 11.

Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Paint composition. 2,153,842; Apr. 11.

Minger, Forest R. (See Heath, S. B., and Minger.)

Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Martenis, William W., assignor.)

Minneapolis-Moline Power Implement Company. (See Ronning, Martin, assignor.)

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Motor control. 2,154,314; Apr. 11.

Misener Manufacturing Co. (See Ballard, Harold L., assignor.)

Mitchell, Courtney N., Strongsville, Ohio. Control for multiple doors. 2,153,693; Apr. 11.

Modine Manufacturing Company. (See Munch, H. S., and Boerger, assignors.)

Mohar, Jack L., Los Angeles, Calif. Curb indicator and bumper for vehicles. 2,153,896; Apr. 11.

Monsanto Chemical Company. (See Jenkins, Russell L., assignor.)

Monsanto Chemical Company. (See Martin, George D., assignor.)

Monsanto Chemical Company. (See Thomas, Charles A., assignor.)

Montgomery, Andrew P., Narberth, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. High fidelity radio receiver. 2,153,583; Apr. 11.

Montgomery, Donald H., Hartford, assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Chucking means. 2,153,971; Apr. 11.

Montgomery, Harley A., Highland Park, Mich. Treating sheet metal for drawing and the like. 2,153,811; Apr. 11.

Moore, Coleman B. (See Green, J. R., Krogh, Moore, and Ullman.)

Moore, Maynard H., Jr., Everett, Mass. Innersole for open shank shoes. 2,154,135; Apr. 11.

Moore, Richard R., Lansdowne, Pa. Material testing machine. 2,154,277; Apr. 11.

Moore, Stanley S., Stockton, Calif. Scraper. 2,153,897; Apr. 11.

Moorhouse, Alfred, Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y. Clutch. 2,154,212; Apr. 11.

Moraway, John, San Francisco, Calif. Oscillating piston engine. 2,154,315; Apr. 11.

Moray, Virgil W., assignor to Akwa Heaters, Inc., New York, N. Y. Fluid heater. 2,154,177; Apr. 11.

Moray, Virgil W., assignor to Akwa Heaters, Inc., New York, N. Y. Fluid heater. 2,154,178; Apr. 11.

Morrison, Charles S., Elkins Park, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Leather frame. 2,154,347; Apr. 11.

Morrison, John F., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Antenna system. 2,153,768; Apr. 11.

Morse Chain Company. (See Moorhouse, Alfred, assignor.)

Moss, William H., London, England, assignor to Celanese Corporation of America. Adhesive. 2, 153,584; Apr. 11.

Moss, William H., London, England, assignor to Celanese Corporation of America. Laminated glass. 2,153,585; Apr. 11.

Most, Lucifer J., Arlington, N. J., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Manufacturing pen points, and sheet stock therefor. 2,154,102; Apr. 11.

Most, Lucifer J., Arlington, N. J., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass. Sheet stock and the manufacture of pen points. 2,154,103; Apr. 11.

Mouromtseff, Ilia E., Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Carbon exterior anode. 2,154,278; Apr. 11.

Muldoon, Bernard F., Mountainview, N. J., and O. C. Britsch, assignors to H. Hyman, Brooklyn, N. Y. Electric lamp socket. 2,154,247; Apr. 11.

Muller, Charles A. (See Sporn, P., and Muller.)

Müller, Max, and R. Ratti, assignors to the firm of Durand & Huguenin S. A., Basel, Switzerland. Mordant azo dyestuffs and making same. 2,154,348; Apr. 11.

Müller, Paul, Berlin-Schoneberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Braking system for Diesel-electric driven vehicles. 2,154,279; Apr. 11.

Multiple Corporation. (See Saffir, Jacob A., assignor.)

Munch, Hans S., and M. G. Boerger, assignors to Modine Manufacturing Company, Racine, Wis. Apparatus for baking radiator cores. 2,154,104; Apr. 11.

Muralo Company, The. (See Iddings, Carl, assignor.)

Murdock, James A., Chicago, Ill. Hair curler. 2,154,179; Apr. 11.

Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Window strip installation and fastener for the same. 2,153,972; Apr. 11.

Murray Corporation of America, The. (See Westrope, Fred J., assignor.)

Muse, Lee R. (See Dove, John B., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Coeterier, F., and Teves, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See Knös, Gunnar B., assignor.)

N. V. Philips' Gloeilampenfabrieken. (See van der Tuuk, and Verhoeff, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See van Loom, Carel J., assignor.)

Nabham, Elias H., Brooklyn, N. Y. Window latch. 2,153,769; Apr. 11.

Nachman Springfield Corporation. (See Zimmerman, Fred R., assignor.)

Nadai, Arpad, Wilkinsburg, and J. Boyd, Trafford, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Accelerated creep testing apparatus. 2,154,280; Apr. 11.

Nadler, Hyman, Brooklyn, N. Y. Mask for fowl. 2,154,105; Apr. 11.

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Nasmith, John W., Heaton Mersey, Manchester, England. Combing machine. 2,154,281; Apr. 11.

National Cash Register Company, The. (See Gruver, John H., assignor.)

National Lead Company. (See Kingsbury, F. L., and Grave, assignors.)

National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)

National Supply Company, The. (See Eaton, George M., assignor.)

National Vulcanized Fibre Company. (See Albert, Gerard A., assignor.)

Navaratiel, Hans. (See Fessler, A. H., and Navaratiel.)

Neukirsch, Frank, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Tube bender. 2,153,935; Apr. 11.

New Britain Machine Company, The. (See Montgomery, Donald H., assignor.)

New Era Carburetor Corporation. (See Cameron, John, assignor.)

New Jersey Machine Corporation. (See von Hofe, George W., assignor.)

News Projection Corporation. (See Eltzen, August D., assignor.)

Newton, Max A., Taft, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Removable float valve. 2,153,812; Apr. 11.

Nicodemus, Otto, H. Lange, and O. Horn, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vinyl esters and a process of preparing them. 2,153,987; Apr. 11.

Nicolai, Fritz. (See Reppe, W., Keyssner, and Nicolai.)

Nicolson, Alexander M., assignor to Communication Patents, Inc., New York, N. Y. Radiating, transformation and reinforcement system. 2,153,586; Apr. 11.

Nicosia, Paul, Fairport, N. Y. Vegetable washing machine. 2,154,106; Apr. 11.

Nicostat Products Co. (See Borresen, Nico, assignor.)

Nidever, Vernon M., Carpenteria, Calif. Animal actuated door. 2,153,673; Apr. 11.

Nielsen, Emile. (See Hanley, H., and Nielsen.)

Ninol, Inc. (See Kritchevsky, Wolf, assignor.)

Niven, Edward C. and J. A., Chicago, Ill. Multiple damper control for boilers and the like. 2,153,637; Apr. 11.

Niven, John A. (See Niven, Edward C. and J. A.)

Nixon, Jeddy D., Houston, Tex., assignor, by mesne assignments, of fifty per cent to Wilson Supply Company. Slip assembly. 2,153,770; Apr. 11.

Noce, Nicholas A., New York, N. Y. Building tile. 2,154,213; Apr. 11.

Norman, Nathaniel C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier. 2,153,638; Apr. 11.

North American Rayon Corporation. (See Byron, Thomas H., assignor.)

Northey, Elmore H., assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Paraminoarylsulphonamidoaryl orthosulphonic acids and their salts. 2,154,248; Apr. 11.

Nuttall, Thomas C. (See Turner, H. C., and Nuttall.)

Nystrom, Karl F., Milwaukee, Wis. Railroad passenger car step. 2,154,107; Apr. 11.

O'Brien, Frank J., Pelham, assignor to Continental Can Company, Inc., New York, N. Y. Can closure. 2,154,349; Apr. 11.

Odquist, Maurice V. (See Jewett, F. G., and Odquist.)

Officer, Robert A., Denver, Colo., assignor to J. P. Seeburg Corporation, Chicago, Ill. Vending apparatus. 2,153,694; Apr. 11.

O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,154,282; Apr. 11.

Olivetti, Ing. C. (See Levi, Riccardo, assignor.)

Olson, John B., assignor to James Mfg. Co., Fort Atkinson, Wis. Fuel-oil control valve. 2,154,108; Apr. 11.

Ommundson, Harry, Schenectady, N. Y., assignor to General Electric Company. Shaft seal. 2,153,674; Apr. 11.

O'Neill, Frank, Jr., New York, and A. F. Pityo, Clifton, assignors to Tamper-Proof Seal Corporation, New York, N. Y. Container cover applying machine. 2,154,350; Apr. 11.

Orr, John A., Chicago, Ill. Grass cutter and hedge trimmer. 2,153,771; Apr. 11.

Osgood, Walter P., Malden, Mass. Eyelet stay taping machine. 2,154,007; Apr. 11.

Osten, Joseph W., Wilmette, Ill. Radiator cover and screen fastener. 2,153,772; Apr. 11.

O'Toole, Edward, Jr., Kingsport, and K. K. Wilcox, Johnson City, Tenn., assignors to American Coal Cleaning Corporation, Welch, W. Va. Dry coal cleaning apparatus. 2,154,180; Apr. 11.

Ott, Thomas F., Berkeley, P. S. Clarke, Richmond, and C. H. Van Marter, Berkeley, assignors to Union Oil Company of California, Los Angeles, Calif. Barium grease. 2,154,383; Apr. 11.

Otto, Earl A. (See Owens, W. A., and Otto.)

Owens-Illinois Glass Company. (See Hayne, Clarence A., assignor.)

Owens, Wilton A., Pittsburgh, and E. A. Otto, New Kensington, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Machine for continuously forming curved wire forms. 2,153,936; Apr. 11.

Pacific Giro Sales Co. (See Haines, Charles E., assignor.)

Packard Motor Car Company. (See Christman, John M., assignor.)

Packard Motor Car Company. (See Rossmann, Peter F., assignor.)

Packard Motor Car Company. (See Smith, Charles J., assignor.)

Padgett, Elmer M., Nashville, Tenn. Ratchet wrench. 2,153,988; Apr. 11.

Palmer, Elbridge W., assignor to Kingsport Press, Inc., Kingsport, Tenn. Book. 2,153,639; Apr. 11.

Państwowe Zakłady Tele-i Radjotechniczne w Warszawie. (See Trechciński, Roman, assignor.)

Paquin, Max. (See Daimler, K., Paquin, and Riedelsberger.)

Paramount Textile Machinery Co. (See Richter, Henry, assignor.)

Parcaro, Michael P., Bloomfield, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Fluid circulation system. 2,154,136; Apr. 11.

Parke, Davis & Company. (See Dox, Arthur W., assignor.)

Parker, Harold H. (See Hoff, G. P., and Parker.)

Parker, N. Douglas, Jr., et al. (See Coppock, Ira M., assignor.)

Parker, Robert P. (See Lecher, H. Z., and Parker.)

Parker Wire Goods Company. (See Priest, Dwight E., assignor.)

Parkhill-Wade. (See Wade, Henry N., assignor.)

Parks, Archibald, Chicago, Ill. Display device. 2,154,109; Apr. 11.

Parks, Archibald, Chicago, Ill. Display device. 2,154,110; Apr. 11.

Parreira, Floriano, Guarulhos, Brazil. Fluid operated motor. 2,153,587; Apr. 11.

Parrish, Benjamin E., Dallas, Tex. Well swab. 2,153,843; Apr. 11.

Patrignani, Leonida, Bacedasco (Piacenza), Italy, assignor to Edison Calatroni, Paris, France. Compressor unit for refrigeration and other applications. 2,153,773; Apr. 11.

Paulsboro Manufacturing Company. (See Baldwin, Julian T., assignor.)

Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,153,989; Apr. 11.

Paulson, Christian, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing apparatus. 2,153,990; Apr. 11.

Payne, Marshall M., and H. L. Sifford, Kannapolis, N. C., assignors to Pioneer Atlanta Company, Incorporated, Atlanta, Ga. Heddle bar frame. 2,154,351; Apr. 11.

Penick, Arthur J. and K. T., Houston, Tex. Combination tubing head and blowout preventer. 2,154,408; Apr. 11.

Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Pennsylvania Furnace & Iron Co. (See Andersen, Christian S., assignor.)
People in the Territory of the United States, Dedicated to the free use of the. (See Byram, George M., assignor.)
Perrin, Michael W. (See Fawcett, E. W., Gibson, and Perrin.)
Peters, William G., assignor to R. Groetchen, Chicago, Ill. Coin operated machine. 2,153,588; Apr. 11.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna. 2,153,589; Apr. 11.
Peterson, Howard C., Arlington, S. Dak. Tooth brush. 2,154,352; Apr. 11.
Peterson, Robert F., assignor of one-half to L. F. Buck, Rush City, Minn. Latch. 2,153,937; Apr. 11.
Petro Chemical Company. (See Hershman, Paul R., assignor.)
Pettett, Levi J., Lockland, Ohio. Seed drill. 2,153,991; Apr. 11.
Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company. Pen nib. 2,154,181; Apr. 11.
Pfanstiehl Chemical Company. (See Pfanstiehl, Carl, assignor.)
Pflasterer, George R., Greenville, assignor to The Union Switch & Signal Company, Swissvale, Pa. Recording mechanism. 2,153,675; Apr. 11.
Ph. Döppenschmitt, Goldwarenfabrik. (See Bürk, Heinrich, assignor.)
Philadelphia Storage Battery Company. (See Montgomery, Andrew P., assignor.)
Philco Radio & Television Corporation. (See Freeland, Ernest C., assignor.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Air conditioning system. 2,153,695; Apr. 11.
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Air conditioning system. 2,153,696; Apr. 11.
Pierce, Ambrose R., assignor to American Stove Company, St. Louis, Mo. Coal range. 2,154,008; Apr. 11.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pincus, Al. (See Rolande, Edgar G., assignor.)
Pioneer Atlanta Company. (See Payne, M. M., and Sifford, assignors.)
Pittsburgh Steel Company. (See Chambers, Alexander, assignor.)
Pityo, Albert F. (See O'Neill, F., Jr., and Pityo.)
Ploetz, Elmer C., Utica, Minn. Snow plow. 2,154,353; Apr. 11.
Podbielniak, Walter J., assignor to B. B. Schneider, Chicago, Ill. Seal for centrifugal fluid treating apparatus. 2,153,640; Apr. 11.
Podel, Abraham, New York, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Sealing device and method of sealing. 2,154,409; Apr. 11.
Pohl, Robert H., Newark, N. J., assignor to Sloane-Blabon Corporation, Philadelphia, Pa. Floor covering material and coating therefor. 2,153,723; Apr. 11.
Poirier, Edmon R., San Francisco, Calif. Bath and friction brush. 2,153,844; Apr. 11.
Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Fluid seal. 2,153,774; Apr. 11.
Polk, Gilbert C., assignor to American Blower Corporation, Detroit, Mich. Ventilating apparatus. 2,154,410; Apr. 11.
Polstra, Charles R. (See Linstead, G., and Polstra.)
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Self-starting synchronous electric motor. 2,153,775; Apr. 11.
Poor & Company. (See Delfox, James G., assignor.)
Porter, Frederic P., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Internal combustion engine. 2,154,249; Apr. 11.
Porter, Laurence W., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Dyed paper and making the same. 2,153,697; Apr. 11.
Posnack, Emanuel R., Brooklyn, N. Y. Stapling device and method. 2,153,874; Apr. 11.
Pratt, Edward J., deceased, by M. S. Pratt, administratrix, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,153,641; Apr. 11.
Pratt, Mollie S., administratrix. (See Pratt, Edward J.)
Pressed Steel Car Company. (See Reeder, Nathaniel S., assignor.)
Pressed Steel Car Company. (See Schmohl, Alfred C., assignor.)
Price, Leroy. (See Price, Lloyd and L.)
Price, Lloyd, Van Wert, Ohio, and L. Price, Muncie, Ind. Automatic drawbar and car coupler. 2,154,415; Apr. 11.
Priest, Dwight E., assignor to Parker Wire Goods Company, Worcester, Mass. Manufacture of hacksaw frame members. 2,154,009; April 11.
Princeton Knitting Mills, Inc. (See Fleisher, Harry, assignor.)
Pritschow, Karl, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany. Photographic camera. 2,153,813; Apr. 11.
Process Management Company. (See Cooke, Horace B., assignor.)
Prochaska, Carroll W., Mount Vernon, N. Y. Method for treating worn pistons. 2,153,992; Apr. 11.
Proctor, Carl R., Lewiston, Maine. Centering jack. 2,154,182; Apr. 11.
Proctor & Schwartz, Incorporated. (See Morrison, Charles S., assignor.)
Proctor & Schwartz, Incorporated. (See Wanamaker, Harry F., assignor.)
Pursell, Phil B. (See Reed, Paul N., assignor.)
Queen, Grover C., Pomona, N. C. Alarm device. 2,153,875; Apr. 11.
Queneau, Augustin L. J., Bernardsville, N. J. Electromagnetic separator device. 2,154,010; Apr. 11.
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Dimmick, Glen L., assignor.)
Radio Corporation of America. (See Dow, Orville E., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Holst, Poul F. G., assignor.)
Radio Corporation of America. (See Hunt, Seymour, assignor.)
Radio Corporation of America. (See Kimball, Charles N., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America. (See Lederer, Ernest A., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Roberts, Walter V., assignor.)
Radio Corporation of America. (See Rust, Noel M., assignor.)
Radio Corporation of America. (See Smith, S. B., and Green, assignors.)
Radio Corporation of America. (See Spencer, James A., assignor.)
Radio Corporation of America. (See Travis, Charles, assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Corporation of America. (See Wagener, Winfield G., assignor.)
Radio Corporation of America. (See Weyers, Theodorus J., assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Radio Patents Corporation. (See Hollmann, Hans E., assignor.)
Radioaktiengesellschaft D. S. Loewe. (See Schlesinger, Kurt, assignor.)
Railroad Accessories Corporation. (See Lavarack, F. C., and Schlesinger, assignors.)
Rainey, Paul M., Martinsville, assignor to Combination Selector Company, Glen Ridge, N. J. Addressing and listing machine. 2,153,642; Apr. 11.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randall, Howard D., Cincinnati, Ohio. Closed spiral paper clip. 2,153,724; Apr. 11.
Raney, Estel C., Columbus, Ohio, assignor to Ranco Incorporated. Electric vulcanizer. 2,154,183; Apr. 11.
Ranson, Russell, Durham, N. C. Regulator. 2,154,354; Apr. 11.
Rasmussen, Olaf, and G. K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Brake. 2,154,074; Apr. 11.
Rathke, Harry C. (See Carr, J. B., and Rathke.)
Ratti, Roger. (See Müller, M., and Ratti.)
Rawlings, John J., London, assignor to The Rawlplug Company Limited, South Kensington, London, England. Wall and like plug. 2,154,355; Apr. 11.
Rawlplug Company Limited, The. (See Rawlings, John J., assignor.)
Reed, Paul N., assignor, by mesne assignments, of one-half to said P. N. Reed and one-half to P. B. Pursell, Kansas City, Mo. Gas burner. 2,153,938; Apr. 11.
Reeder, Nathaniel S., New York, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. 2,154,137; Apr. 11.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,154,356; Apr. 11.
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Ice tray. 2,154,357; Apr. 11.
Reichhold Chemicals. (See Hovey, A. G., and Hodgins, assignor.)
Reichhold, Helmuth. (See Hovey, A. G., and Hodgins, assignors.)
Reid, George C. (See Hothersall, J. M., and Reid.)
Reindorp, John H., assignor to Truecolour Film Limited, London, England. Color photography and cinematography. 2,153,698; Apr. 11.
Reinoehl, Harry K., and D. G. Renno, Fort Wayne, Ind. assignors to International Harvester Company. Automotive vehicle. 2,154,011; Apr. 11.
Reisdorf, Edward J., Seattle, Wash. Measuring dispenser. 2,154,283; Apr. 11.

Reisiger, William F., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y. Supporting means for signs. 2,154,250; Apr. 11.
Reisiger, William F., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y. Sign box. 2,154,251; Apr. 11.
Renno, Donald G. (See Reindoehl, H. K., and Renno.)
Reppe, Walter, E. Keyssner, and F. Nicolai, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing n-vinyl compounds. 2,153,993; Apr. 11.
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reynolds, Frederick L. (See Markel, L., and Reynolds.)
Reynolds, Frederick L., Mill Valley, assignor by mesne assignments, to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad. 2,153,676; Apr. 11.
Reynolds, Frederick L., Mill Valley, assignor by mesne assignments, to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad for permanent hair waving. 2,153,677; Apr. 11.
Reynolds, Frederick L., Mill Valley, assignor to United States Appliance Corporation, San Francisco, Calif. Chemical heating pad for permanent hair waving. 2,153,678; Apr. 11.
Rhodes, Austin D., assignor to Judson L. Thomson Manufacturing Company, Inc., Waltham, Mass. Rivet. 2,154,012; Apr. 11.
Rich, Louise B., administratrix. (See Rich, Willis D.)
Rich, Willis D., deceased, Hingham; L. B. Rich administratrix, assignor to Desker Chair Sales Corporation, Boston, Mass. Floor attachment for chairs. 2,153,679; Apr. 11.
Richter, Henry, Kankakee, assignor to Paramount Textile Machinery Co., Chicago, Ill. Knitting machine. 2,154,384; Apr. 11.
Rieche, Alfred, Wolfen, Kreis Bitterfeld, and W. Rudolph, Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dehydrobinaphthylenedilmines. 2,153,994; Apr. 11.
Riedel, Walter W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Automatic adjustment device for brakes. 2,154,075; Apr. 11.
Riedelsberger, Walter. (See Daimler, K., Paquin, and Riedelsberger.)
Riesing, Ellwood F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient coupling. 2,154,385; Apr. 11.
Rietz, Carl A., San Francisco, Calif. Disintegrator. 2,153,590; Apr. 11.
Rightmyer, Holden W., assignor to The American Swiss Company, Toledo, Ohio. Vehicle door latch. 2,153,699; Apr. 11.
Rima A. G. (See Sklenar, Ignaz, assignor.)
Ritchie, W. C., and Company. (See Stock, Julius A., assignor.)
Roach, Jesse E., New York, and H. C. Lohman, Brooklyn, N. Y., assignors to Cold Pack Container, Inc., Edgewater, N. J. Container and seal therefor. 2,154,214; Apr. 11.
Road, Richard A., and S. S. Green, assignors to Duncan Electric Manufacturing Company, La Fayette, Ind. Interchangeable meter base. 2,154,411; Apr. 11.
Roberts, Donald, Battle Creek, Mich. Electric heating mechanism. 2,154,184; Apr. 11.
Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Impedance matching coupling system. 2,153,776; Apr. 11.
Robie, Norman P., assignor to The Carborundum Company, Niagara Falls, N. Y. Bonded abrasive and making the same. 2,154,185; Apr. 11.
Rock-Ola Manufacturing Corporation. (See Hutter, William H., assignor.)
Roeder, Georg, assignor to Merck & Co. Inc., Rahway, N. J. Process for the production of salts of B-methylcholine and acyl derivatives thereof. 2,153,591; Apr. 11.
Rohrer, Josiah H., Philadelphia, Pa. Steam boiler. 2,153,592; Apr. 11.
Rolande, Edgar G., assignor to A. Pincus, Pittsburgh, Pa. Beer dispensing device. 2,154,052; Apr. 11.
Romberg, Felix B. and L. D., Austin, Tex. Method and machine for shelling nuts. 2,154,412; Apr. 11.
Romberg, Louis D. (See Romberg, Felix B. and L. D.)
Ronning, Martin, St. Louis Park, assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Implement frame adjusting device. 2,153,593; Apr. 11.
Roosenstein, Hans O., and H. Hewell, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray deflection apparatus. 2,153,643; Apr. 11.
Rose, Herbert A., Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Excitation system. 2,154,284; Apr. 11.
Rosenau, Joseph A., Evanston, Ill. Multiple gang tractor mower. 2,153,876; Apr. 11.
Rosen, Raphael, Cranford, and R. M. Thomas, Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricating oils. 2,153,973; Apr. 11.
Rosenberry, Homer R., Euclid, Ohio. Hydraulic jack and making same. 2,153,845; Apr. 11.
Rosenthal, Joseph J., and W. Waskiewicz, Paterson, N. J. Take-up mechanism for looms. 2,154,285; Apr. 11.
Ross, Frank A. (See Thomas, G. F., Ross, and Bystricky.)
Ross, William H., Estevan, Saskatchewan, Canada. Cylinder head construction for Diesel engines. 2,154,358; Apr. 11.
Rossmann, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Hydraulic brake system. 2,154,111; Apr. 11.
Rost, Helge, Mexico, D. F., Mexico. Electrical insulation. 2,154,138; Apr. 11.
Rudolph, Walter. (See Rieche, A., and Rudolph.)
Russell, Harlow M., Chelsea, and M. H. Sidebotham, West Newton, assignors to Specialty Automatic Machine Company, Medford, Mass. Manufacture of printed paper products. 2,153,846; Apr. 11.
Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Filter circuits. 2,154,076; Apr. 11.
Rustless Iron and Steel Corporation of America. (See Tighe, George C., assignor.)
Rutherford, John J. B. (See Aborn, R. H., and Rutherford.)
Saffert, Paul. (See Dannenberg, H., and Saffert.)
Saflir, Jacob A., Rockford, assignor to Multiple Corporation, Chicago, Ill. Hypodermic syringe and cartridge therefor. 2,153,594; Apr. 11.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Universal joint. 2,154,077; Apr. 11.
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Spring friction brake lever. 2,154,215; Apr. 11.
Sanders, Earl V., Pawnee, Ill. Musical instrument. 2,153,725; Apr. 11.
Sarazin, Raoul R. R., Saint-Prix, France. Device for balancing reciprocating engines. 2,154,359; Apr. 11.
Savage, Marion A., Scotia, N. Y., assignor to General Electric Company. Cooling pad. 2,154,216; Apr. 11.
Savage, Marion A., Scotia, N. Y., assignor to General Electric Company. Fabricating hollow pads. 2,154,217; Apr. 11.
Sawtelle, Edmund M., et al. (See Ford, Karl L., assignor.)
Scaife, Wm. B., and Sons Company. (See Hendricks, Walter H., assignor.)
Scantlebury, Francis H., Brooklyn, N. Y. Illuminable fixture. 2,153,595; Apr. 11.
Schaefer, Edwin J., Wilmington, N. C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection. 2,154,286; Apr. 11.
Schaupp, Ralph H., La Fayette, Ind. Water ski. 2,153,939; Apr. 11.
Scheel, Charles F., and F. A. Gessler, assignors to Warning Devices Company, Inc., La Grange, Ill. Signaling device. 2,154,360; Apr. 11.
Schenectady Varnish Company. (See Thielking, Raymond H., assignor.)
Schenk, Charles J., Buckeye, Ariz. Double acting pump. 2,153,974; Apr. 11.
Schering Aktiengesellschaft. (See Hildebrandt, F., and Schwenk, assignors.)
Schering Aktiengesellschaft. (See Serini, A., Strassberger, and Butenandt, assignors.)
Schernerhorn, George D., Reading, Mich. Curved panel assembly. 2,153,596; Apr. 11.
Schewe, Heinrich, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical control system. 2,154,287; Apr. 11.
Schieferstein, Georg H., Berlin-Charlottenburg, Germany. System for the transmission of mechanical power. 2,154,361; Apr. 11.
Schierenbeck, Julius, Heidelberg, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cooling gases. 2,153,644; Apr. 11.
Schillael, Edward, Philadelphia, Pa. Perpetual calendar. 2,154,013; Apr. 11.
Schlesinger, Benjamin. (See Lavarack, F. C., and Schlesinger.)
Schlesinger, Joseph H., assignor to Eagle Chemical Company, New York, N. Y. Neutralization of acids exuding from silicious cements. 2,154,413; Apr. 11.
Schlesinger, Kurt, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Deflecting system. 2,154,386; Apr. 11.
Schmidt, Otto W. (See Carswell, F. L., and Schmidt.)
Schmohl, Alfred C., Beaver Falls, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,154,139; Apr. 11.
Schmohl, Alfred C., Beaver Falls, assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car construction. 2,154,140; Apr. 11.
Schneider, Benjamin B. (See Podbielniak, Walter J., assignor.)
Schneider, Hermann. (See Straub, F., and Schneider.)
Scholz, Herman A., Oak Park, assignor to United States Gypsum Company, Chicago, Ill. Casein paint composition. 2,154,362; Apr. 11.
Scholz, Paul, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Making electrical contacts. 2,154,288; Apr. 11.
Schönfeld, Paul, Chemnitz, Germany. Warp goods provided with rubber threads. 2,153,645; Apr. 11.

Schrader, Gerhard. (See Schweitzer, H., Bayer, and Schrader.)
Schrader's, A., Sons, Incorporated. (See Williams, Selden T., assignor.)
Schroeder, Emerson F., Pekin, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Tabling mill starch. 2,154,078; Apr. 11.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Television scanner. 2,153,646; Apr. 11.
Schultz, Oswald R., New York, N. Y., assignor to Cellu-Type Plate Co., Inc., Union City, N. J. Printing. 2,153,597; Apr. 11.
Schumacher, James H., and W. C. George, Ventura, Calif. Direction control mechanism for well drilling tools. 2,153,680; Apr. 11.
Schumacher, Joseph E., Van Nuys, Calif. Element of building construction. 2,154,053; Apr. 11.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Generating curved surfaces. 2,154,054; Apr. 11.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Making power transmitting means. 2,154,055; Apr. 11.
Schwartz, Harry. (See Rowland, John G., assignor.)
Schwartz, Oscar J., New York, N. Y. Camera plate holder. 2,153,995; Apr. 11.
Schweitzer, Hugo, Leverkusen-Wiesdorf, O. Bayer, Leverkusen I. G.-Werk, and G. Schrader, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble azo dyestuffs. 2,154,186; Apr. 11.
Schwenk, Erwin. (See Hildebrandt, F., and Schwenk.)
Scoppola, Giorgio, Rome, Italy. Vent device for hot-water heating apparatus. 2,153,726; Apr. 11.
Scott, George R., Detroit, Mich. Rotary tool holding fixture. 2,153,898; Apr. 11.
Scott, Richard H. (See Billington, J. E., and Scott.)
Scoville, Earl L., Ashtabula, Ohio. Fish sealer. 2,154,187; Apr. 11.
Scovill Manufacturing Company. (See Williams, Selden T., assignor.)
Scruggs, Loyd, University City, Mo. Chuck or tool holder. 2,153,847; Apr. 11.
Seeburg, J. P., Corporation. (See Officer, Robert A., assignor.)
Seefeldt, Lawrence W., Two Rivers, Wis. Float for fishing nets and the like. 2,154,112; Apr. 11.
Seeger Refrigerator Company. (See Swedman, Enoch, assignor.)
Seifer, Morton E., New York, N. Y. One-piece folding cardboard box. 2,154,218; Apr. 11.
Seiss, August J., Toledo, Ohio. Battery lamp. 2,153,814; Apr. 11.
Selvig, John N., Westfield, assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,153,996; Apr. 11.
Serini, Arthur, Berlin, L. Strassberger, Berlin, Wilmersdorf, and A. Butenandt, Danzig-Langfuhr, Free City of Danzig, assignors to Schering Aktiengesellschaft, Berlin, Germany. Pregnanone compounds and producing the same. 2,153,700; Apr. 11.
Seevel, Inc. (See Bäckström, Sigurd M., assignor.)
Severin, Edwin. (See Brunnert, O., and Severin.)
Seybold, Frederick W., Westfield, N. J., assignor, by mesne assignments, to Binks Manufacturing Company, Chicago, Ill. Nonoffset spraying device. 2,154,363; Apr. 11.
Shafer, James A., East Cleveland, asignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,153,647; Apr. 11.
Shafer, James A., East Cleveland, asignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,153,648; Apr. 11.
Shafer, James A., East Cleveland, asignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,153,649; Apr. 11.
Shaw-Walker Company, The. (See Hunter, David E., assignor.)
Shea, James J., Springfield, and W. F. Irrgang, Chicopee, assignors to United States Envelope Company, Springfield, Mass. Forming envelopes. 2,153,848; Apr. 11.
Shell Development Company. (See McKittrick, D. S., and Henriques, assignors.)
Shepherd, Joe V. R., Needham, Mass. Lithograph plate. 2,154,219; Apr. 11.
Shilkoff, Jacob, New York, N. Y., and C. P. Wood, Monmouth Beach, N. J., said Wood assignor to said Shilkoff. Engraving or routing machine. 2,154,252; Apr. 11.
Shoe Form Co. (See De Witt, William J., assignor.)
Shoemaker, Bernard H. (See Loane, C. M., and Shoemaker.)
Shorb, Norbert N., San Francisco, assignor, by mesne assignments, to R. H. Brandt, Los Angeles, Calif. Aerial display. 2,153,940; Apr. 11.
Shover, Arthur B., Des Moines, Iowa. Internal combustion motor. 2,153,899; Apr. 11.
Shutt, Charles C., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Damper winding for synchronous motors. 2,154,289; Apr. 11.
Sidebotham, Melvin H. (See Russell, H. M., and Sidebotham.)
Siemens, Alfred. (See Knappe, C., and Siemens.)
Siemens & Halske, Aktiengesellschaft. (See Scholz, Paul, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Damitz, Walter, assignor.)
Siemens-Schuckertwerke Aktiengesellschaft. (See Linn, Adolf, assignor.)
Sifford, Harvey L. (See Payne, M. M., and Sifford.)
Simek, Charles, Chicago, Ill. Machine for counting votes. 2,154,316; Apr. 11.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Making brake drums. 2,154,014; Apr. 11.
Sinclair, Edward R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake lining stretcher. 2,154,015; Apr. 11.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Forming brake drums. 2,154,016; Apr. 11.
Singer, Fritz. (See Liebergeld, Alfred, assignor.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See McCann, Michael, assignor.)
Sklenar, Ignaz, Rosslau, Dessau, Germany, assignor to Rima A. G., Glarus, Switzerland. Internal combustion engine. 2,153,727; Apr. 11.
Sleeman, Harold P., assignor to The R. Thomas & Sons Company, Lisbon, Ohio. Electric insulator. 2,154,387; Apr. 11.
Sloane-Blabon Corporation. (See Frederick, Robert R., assignor.)
Sloane-Blabon Corporation. (See Pohl, Robert H., assignor.)
Smith, Charles J., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,154,113; Apr. 11.
Smith, Edna M., administratrix. (See Smith, Frank A., assignor.)
Smith, Frank A., deceased, Hialeah, Fla.; E. M. Smith, administratrix, assignor to E. M. Smith. Piston ring remover. 2,153,941; Apr. 11.
Smith, Sidney B., and E. Green, Chelmsford, England, assignors to Radio Corporation of America. Radio direction finder. 2,153,975; Apr. 11.
Snyder, Charles F., Pittsburgh, Pa. Tread for pneumatic tires. 2,154,290; Apr. 11.
Snyder, Leonard L., South Gate, Calif., assignor to Elliott Core Drilling Company. Fluid operated latching means for inner drill assemblies. 2,153,815; Apr. 11.
Snyder, Wilbur A., Montoursville, Pa. Knee protector. 2,154,364; Apr. 11.
Société Bronzavia. (See Kitroser, Isaac, assignor.)
Société d'Electricité de Paris. (See Boudrant, Robert J. C., assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Schneider, assignors.)
Southworth, George C., Red Bank, N. J., assignor to American Telephone and Telegraph Company. Ultra high frequency signaling. 2,153,728; Apr. 11.
Spain, Rowland W., New York, assignor of one-half to H. J. Tully, Plandome Manor, N. Y. Girdle and crotch member. 2,154,253; Apr. 11.
Spalding, Jack J., Jr., New York, N. Y. Heat exchanging apparatus. 2,153,942; Apr. 11.
Speas Company. (See Speas, Victor E., assignor.)
Speas, Victor E., Kansas City, Mo., assignor to Speas Company. High strength cider vinegar and making same. 2,153,849; Apr. 11.
Specialty Automatic Machine Company. (See Russell, H. M., and Sidebotham, assignors.)
Spencer, James A., Teaneck, N. J., assignor to Radio Corporation of America. Error detecting device for printing telegraph receivers. 2,153,737; Apr. 11.
Sponsel, Kurt, assignor to Kalle & Co., Aktiengesellschaft, Wiesbaden, Biebrich, Germany. Producing coatings on plaster or other surfaces. 2,154,220; Apr. 11.
Sporn, Philip, Brooklyn, and C. A. Mueller, Tuckahoe, N. Y. Protective system for electric power transmission lines. 2,154,114; Apr. 11.
Spray Dryer Laboratory Corporation. (See Zizinia, P. T., and McKenna, assignors.)
Spun Rock Wools, Limited. (See Buss, Charles R., assignor.)
Squier, Merrill A. (See Clement, G. H., and Squier.)
Standard Oil Company. (See Hillman, Endocen H., assignor.)
Standard Oil Company. (See Loane, Clarence M., assignor.)
Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)
Standard Oil Development Company. (See Rosen, R., and Thomas, assignors.)
Staples, Otis E., and T. F. Carlin, assignors to The Cleveland Hobbing Machine Company, Cleveland, Ohio. Hobbing machine. 2,154,056; Apr. 11.
Starnes, Garnett R., Kansas City, and C. A. Melchert, Drexel, assignors to Calder Sales Corporation, Kansas City, Mo. Vending apparatus. 2,154,388; Apr. 11.
Stedman, Harry E., Des Moines, Iowa. Changeable sign. 2,153,850; Apr. 11.
Steele, James W., Kansas City, Mo. Accessory for garment finishing tables. 2,154,291; Apr. 11.
Stehling, Joseph J., Milwaukee, Wis. Leather splitting machine. 2,154,115; Apr. 11.
Stein, George W., Los Angeles, Calif. Necktie. 2,153,650; Apr. 11.

Stellingwerf, Peter, Orange City, Iowa. Jar holder. 2,153,943; Apr. 11.
Stenersen, Albert H., Chicago, Ill. Fountain pen. 2,153,651; Apr. 11.
Stevens, Ben H., Ada, Okla. Sucker rod jerk absorber. 2,153,816; Apr. 11.
Steward, George K., Denville, N. J. Internal combustion engine. 2,153,598; Apr. 11.
Stewart-Warner Corporation. (See Gersch, Adolph E., assignor.)
Stewart-Warner Corporation. (See Thomas, G. F., Ross, and Bystricky, assignors.)
Stock, Julius A., assignor to W. C. Ritchie and Company, Chicago, Ill. Rip-cord carton-making machine. 2,153,652; Apr. 11.
Stoesser, Sylvia M., assignor to The Dow Chemical Company, Midland, Mich. Stabilization of vinyl compounds. 2,154,389; Apr. 11.
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Strassberger, Lothar. (See Serini, A., Strassberger, and Butenandt.)
Straub, Fritz, Basel and H. Schneider, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyeing animal fibers with complex chromium compounds of azo dyestuffs. 2,153,701; Apr. 11.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Levy, Maurice L., assignor.)
Studebaker Corporation, The. (See Cowles, Thomas L., assignor.)
Stux, Gustav, Vienna, Austria. Irradicated dusting powder. 2,153,653; Apr. 11.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Production of pulsatory light. 2,154,317; Apr. 11.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Surface Combustion Corporation. (See Barber, Hugh B., assignor.)
Swanstrom, Carl A., Irvington, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Fastening means and method of manufacture thereof. 2,153,681; Apr. 11.
Swart, Leland K., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring instrument. 2,153,777; Apr. 11.
Swedman, Enoch, assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator light outside of cold zone. 2,153,851; Apr. 11.
Taber, Ray H., Chula Vista, Calif. Mobile orchard heating apparatus. 2,153,900; Apr. 11.
Tabern, Donalee L. (See Volwiler, E. H., and Tabern.)
Talaferro, William R., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignition electrode. 2,154,292; Apr. 11.
Tamper-proof Seal Corporation. (See O'Neil, F., Jr., and Pityo, assignors.)
Tawyer, James, Lisarow, Australia. Device for testing spark plugs and ignition circuits. 2,153,944; Apr. 11.
Taylor, James, Saltcoats, Ayrshire, Scotland, assignor to Imperial Chemical Industries, Limited. Charge for gas pressure operated blasting devices. 2,154,221; Apr. 11.
Taylor, William L., Roanoke, Va., assignor of one-half to W. V. Fielder, Baltimore, Md. Trailer. 2,154,365; Apr. 11.
Tear, James D. (See Poitras, E. J., and Tear.)
Teeters, Thomas, Snyder, N. Y. Furnace construction. 2,154,414; Apr. 11.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brunnert, O., and Severin, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Diels, Kurt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gürtler, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Knoll, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, H. O., and Hewel, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, R., and Andrieu, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Weber, Rudolf, assignor.)
Teletype Corporation. (See Kleinschmidt, E. E., and Hulfish, assignors.)
Terhaar, Aloysius S., Lemon Grove, Calif. Musical instrument. 2,153,817; Apr. 11.
Testera, Frank S. (See Hill, S. M., and Testera.)
Teves, Marten C. (See Coeterier, F., and Teves.)
Thelander, W. Vincent, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Trailer step 2,153,945; Apr. 11.
Thielking, Raymond H., Amsterdam, assignor to Schenectady Varnish Company, Schenectady, N. Y. Method of coating. 2,154,057; Apr. 11.
Thomas, Charles A., Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Fractionating apparatus. 2,153,599; Apr. 11.
Thomas, Edgar B. (See Heineman, C. W., and Thomas.)
Thomas, George F., Riverside, F. A. Ross, Lake Bluff, and J. Bystricky, assignors to Stewart-Warner Corporation, Chicago, Ill. Lubricant receiving fitting. 2,154,116; Apr. 11.
Thomas, R., & Sons Company. (See Sleeman, Harold P., assignor.)
Thomas, Robert M. (See Rosen, R., and Thomas.)
Thomas, William, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Method and apparatus for producing swinging dissolve motion pictures. 2,153,901; Apr. 11.
Thompson Products, Inc. (See Colwell, A. T., and Burkhardt, assignors.)
Thompson, William S., Lebanon, Ohio. Fastener for ground work. 2,153,947; Apr. 11.
Thomson, Judson L., Manufacturing Company. (See Rhodes, Austin D., assignor.)
Thomson, Leroy A., assignor to Bump Paper Fastener Company, La Crosse, Wis. Stapling machine. 2,154,366; Apr. 11.
Thorman, Lester K., Woodmere, assignor to Benjamin Wolf Co., Inc., New York, N. Y. Display device. 2,153,976; Apr. 11.
Tidswell, Frank, Goulburn, New South Wales, Australia. Weighing machine. 2,153,948; Apr. 11.
Tighe, George C., Detroit, Mich., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America. Fastening device. 2,153,702; Apr. 11.
Tondreau, Albert W., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Apparatus for making animated cartoons. 2,153,902; Apr. 11.
Tonning, Andrew, Buffalo, N. Y. Barber chair headrest. 2,154,017; Apr. 11.
Torsion Grip Manufacturing So. (See Clement, Frank M., assignor.)
Tost, Charles R., Cranston, assignor to The Hadley Company, Inc., Providence, R. I. Clasp. 2,153,818; Apr. 11.
Towner, Harold G., New Haven, Conn. Fuse. 2,153,600; Apr. 11.
Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Circuit arrangement. 2,153,778; Apr. 11.
Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Automatic oscillator frequency control system. 2,153,779; Apr. 11.
Trechciński, Roman, assignor to Państwowe Zakłady Telei Radjotechniczne w Warszawie, Warsaw, Poland. System of tone-signaling and impulsing. 2,153,654; Apr. 11.
Tret-O-Lit Company, The. (See De Groote, Melvin, assignor.)
Tret-O-Lite Company, The. (See De Groote, M., and Faure, assignors.)
Trier Bros. Limited. (See Crothers, Paul F., assignor.)
Truecolour Film Limited. (See Reindorp, John H., assignor.)
Triumph-Werke Nurnberg A.-G. (See Wunderlich, Fritz, assignor.)
Tschappat, Sheridan P., Tulsa, Okla. Tubing head. 2,153,852; Apr. 11.
Tubize Chatillon Corporation. (See Wheeler, Vaughn E., assignor.)
Tully, Henry J. (See Spain, Rowland W., assignor.)
Turner, Henry C., Salford, Manchester, and T. C. Nuttall, South Norwood, London, assignors to the General Electric Company Limited, London, England. Electric micrometer. 2,154,156; Apr. 11.
Tyre, Alexander T., Ardrossan, Ayrshire, Scotland, assignor to Imperial Chemical Industries Limited. Non-detonating blasting explosive. 2,154,416; Apr. 11.
Ullman, Howard M., Bluffton, Ind. Grain conveyor. 2,153,703; Apr. 11.
Ullman, Roy. (See Green, J. R., Krogh, Moore, and Ullman.)
Union Oil Company of California. (See Ott, T. F., Clarke, and Van Marter, assignors.)
Union Switch & Signal Company, The. (See Fallor, Charles W., assignor.)
Union Switch & Signal Company, The. (See Kemmerer, Ralph R., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Union Switch & Signal Company. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Schaefer, Edwin J., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Backus, Floyd W., assignor.)
United Shoe Machinery Corporation. (See Crosby, Robert A., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Jacob C., assignor.)
United States Appliance Corporation. (See Markel, L., and Reynolds, assignors.)
United States Appliance Corporation. (See Reynolds, Frederick L., assignor.)
United States Envelope Company. (See Shea, J. J., and Irrgang, assignors.)
United States Gypsum Company. (See Scholz, Herman A., assignor.)
United States Steel Corporation. (See Aborn, R. H., and Rutherford, assignors.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)

Universal Monotabular Corporation. (See Honig, Henry T., assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Muller. (See Herrmann, Paul J., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller, & Co. (See Leicht, Ernst W., assignor.)
Up De Graff, Joseph M., Peoria, Ill. Combination hack and compass saw frame. 2,154,367; Apr. 11.
Urtel, Rudolf, and R. Andrieu, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray tube control circuits. 2,153,655; Apr. 11.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Keying. 2,153,656; Apr. 11.
Van der Tuuk, Jacob H., and A. Verhoeff, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Discharge tube and making same. 2,154,368; Apr. 11.
Van Loon, Carel J., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Tuning indication circuit. 2,153,780; Apr. 11.
Van Marter, Claude H. (See Ott, T. F., Clarke, and Van Marter.)
Van Voorhees, Harold E., Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio. Latch. 2,153,819; Apr. 11.
Varian, Russell H., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Cathode ray oscilloscope. 2,153,949; Apr. 11.
Vaughan, James A., Tulsa, Okla. Clasp. 2,153,853; Apr. 11.
Vaughn, Sidney P., San Diego, Calif. Wringer mop. 2,153,601; Apr. 11.
Vento Steel Products Company. (See Mercer, James M., assignor.)
Verbeek, Arnold, Wustenbrand, Germany, assignor to Kalio, Inc., New York, N. Y. Knitting machine. 2,153,602; Apr. 11.
Verderber, Joseph, Cleveland, and E. F. Batterman, East Cleveland, Ohio. Speed varying mechanism. 2,153,997; Apr. 11.
Verderber, Joseph, Cleveland, and E. F. Batterman, East Cleveland, Ohio. Cam mechanism. 2,153,998; Apr. 11.
Verhoeff, Adrianus. (See van der Tuuk, J. H., and Verhoeff.)
Victor Chemical Works. (See Kramer, Leroy A., assignor.)
Vignos, Charles, and C. D. Vollmer, Canton, Ohio. Automobile theft alarm and ignition lock. 2,153,903; Apr. 11.
Virginia Smelting Company. (See Channon, Hiram B., assignor.)
Vlcek, Adolph A., Cleveland, Ohio. Refrigerator. 2,153,682; Apr. 11.
Voigtlander & Son Aktiengesellschaft. (See Pritschow, Karl, assignor.)
Volk, Franz, Vienna, Austria. Producing water gas free from tar and hydrocarbons. 2,153,820; Apr. 11.
Vollans, Frederick W., Orillia, Ontario, assignor to F. F. Barber, Toronto, Ontario, Canada. Attachment for typewriters. 2,154,058; Apr. 11.
Vollmer, Charles D. (See Vignos, C., and Vollmer.)
Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Thiobarbituric acid derivatives. 2,153,729; Apr. 11.
Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Thiobarbituric acid derivatives. 2,153,730; Apr. 11.
Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Thio-barbituric acid derivatives. 2,153,731; Apr. 11.
Volwiler, Ernest H., Highland Park, and D. L. Tabern, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Thio-barbituric acid derivatives. 2,153,732; Apr. 11.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying mechanism. 2,154,222; Apr. 11.
Von Seebeck, George, trustee. (See Lea, Edward S., assignor.)
Vote, Russell E., Stockton, Calif. Carrier scraper. 2,153,781; Apr. 11.
Waddell Manufacturing Company. (See Forsythe, Herbert, assignor.)
Waddell Manufacturing Company. (See Whinery, Ingle B., assignor.)
Wade, Henry N., assignor to Parkhill-Wade, Los Angeles, Calif. Device for suppressing pulsations in fluid streams. 2,154,223; Apr. 11.
Wagele, Fred, Oakland, Calif. Feathering device for boat oars. 2,154,018; Apr. 11.
Wagner, Winfield G., Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,154,293; Apr. 11.
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Walberg, Bernard E., Worcester, Mass. Folding stand for musical instruments. 2,153,821; Apr. 11.
Waldman, Joseph, Irvington, N. J. Chain. 2,154,224; Apr. 11.
Walker, George L., Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Valve for torches. 2,153,854; Apr. 11.
Wall, Sarah B. C., et al. (See Cook, Charles E., assignor.)
Waller, Thure, Chicago, Ill. Stabilized unit in ship structures and the like. 2,153,877; Apr. 11.
Walsh, James M., Los Angeles, Calif. Four-in-hand tie. 2,153,683; Apr. 11.
Wanamaker, Harry F., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Clamp for hosiery drying forms. 2,154,369; Apr. 11.
Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
Warner Bros. Pictures, Inc. (See Thomas, William, assignor.)
Warner Bros. Pictures, Inc. (See Tondreau, Albert W., assignor.)
Warning Devices Company. (See Scheel, C. F., and Gessler, assignors.)
Warren, S. D., Company. (See Porter, Lawrence W., assignor.)
Warrington, William W., Dulwich Hill, near Sydney, New South Wales, Australia. Brake for cycles and the like. 2,154,188; Apr. 11.
Washburn Company, The. (See Andrews, C., and Hannon, assignors.)
Wasklewicz, Walter. (See Rosenthal, J. J., and Waskiewicz.)
Waterbury Clock Company, The. (See Kohlhagen, Walter, assignor.)
Waterman, Herbert, Manhasset, assignor to Aerovox Corporation, Brooklyn, N. Y. Electrolytic condenser. 2,153,999; Apr. 11.
Watson, Henry, Calgary, Alberta, Canada. Ready computer. 2,153,733; Apr. 11.
Watson, H. E. (See Bulleigh, Robert, assignor.)
Weber, Rudolf, Leipzig, assignor to Telefunken für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic adjusting means for rotary systems, particularly direction-finders. 2,153,782; Apr. 11.
Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Desk memorandum calendar. 2,153,855; Apr. 11.
Weir, James W., Los Angeles, Calif., assignor, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Solvent treatment of oils. 2,154,189; Apr. 11.
Weir, James W., Los Angeles, Calif., assignor, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany. Solvent refining and dewaxing of oils. 2,154,190; Apr. 11.
Weiss, John M., New York, N. Y., assignor to Calorider Corporation, Greenwich, Conn. Catalyst and producing it. 2,154,079; Apr. 11.
Welch, Elizabeth R. (See Welsh, Alonzo P., assignor.)
Wells, Edward C., assignor to Boeing Aircraft Company, Seattle, Wash. Aircraft power plant installation. 2,153,603; Apr. 11.
Welsh, Alonzo P., Tyler, Tex., assignor of one-third to E. R. Welch, Springfield, Ohio. Hydro-safety craft. 2,154,191; Apr. 11.
Welsh Manufacturing Company. (See Lindblom, Frank W., assignor.)
Wendt, Bruno. (See Eggert, J., and Wendt.)
Werner, Karl, Neu Isenburg, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold und Silber-Scheideanstalt vormals Roessler. Recovery of glycerin. 2,153,704; Apr. 11.
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Paulson, Christian, assignor.)
Western Electric Company. (See Selvig, John N., assignor.)
Western Pipe & Steel Company. (See Williams, George D., assignor.)
Western Union Telegraph Company, The. (See Eller, K. B., and Holborn, assignors.)
Western Union Telegraph Company, The. (See Estes, Phillip H., assignor.)
Western Union Telegraph Company. (See Wise, Raleigh J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brandenburger, Leo, assignor.)
Westinghouse Electric & Manufacturing Company. (See Brandt, Weldon H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brecht, W. A., and Alben, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knappe, C., and Siemens, assignors.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Müller, Paul, assignor.)
Westinghouse Electric & Manufacturing Company. (See Nadai, A., and Boyd, assignors.)
Westinghouse Electric & Manufacturing Company. (See Rose, Herbert A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schewe, Heinrich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Shutt, Charles C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilson, Earl D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, Frederic C., assignor.)
Westphal, Walter F., Halethorpe, Md. Snow ski. 2,154,019; Apr. 11.
Westrope, Fred J., assignor to The Murray Corporation of America, Detroit, Mich. Hinge. 2,153,734; Apr. 11.
Wewetzer, Albert, assignor to Illinois Watch Case Company, Elgin, Ill. Watch cover. 2,154,225; Apr. 11.
Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Gear set. 2,153,856; Apr. 11.
Weyers, Theodorus J., Eindhoven, Netherlands, assignor to Radio Corporation of America. Radio receiver tuning indicator. 2,153,783; Apr. 11.
Whedon, Le Grand S., Medina, N. Y. Locking mechanism for adjustable seats. 2,154,294; Apr. 11.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Phase-correcting low-pass filter. 2,153,857; Apr. 11.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Vacuum tube. 2,154,141; Apr. 11.
Wheeler, Vaughn E., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Winding yarn. 2,153,784; Apr. 11.
Whelan, John J., Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y. Mobile building. 2,154,142; Apr. 11.
Whelan, John J., Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y. Panel and method of making. 2,154,143; Apr. 11.
Wheller, Harry S., Elizabeth, N. J. Circulation control means. 2,153,604; Apr. 11.
Whinery, Ingle B., East Grand Rapids, assignor to Waddell Manufacturing Company, Grand Rapids, Mich. Knob attaching device. 2,153,950; Apr. 11.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Wiebke, August. (See Marvin, Ralph J., assignor.)
Wietzel, Gustav. (See Lieseberg, F., and Wietzel.)
Wilcox Karl K. (See O'Toole, E., Jr., and Wilcox.)
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Condenser tube. 2,153,977; Apr. 11.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Cupro-nickel alloys. 2,153,978; Apr. 11.
Willcutt, William B., et al. (See Ford, Karl L., assignor.)
Williams, George D., South San Francisco, assignor to Western Pipe & Steel Company, San Francisco, Calif. Electrical welding machine. 2,153,785; Apr. 11.
Williams, Karl D., Washington, D. C. Shock absorbing washer. 2,153,605; Apr. 11.
Williams, Selden T., Bellerose, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Valve stem. 2,154,254; Apr. 11.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tire valve. 2,154,255; Apr. 11.
Wilson, Earl D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Copper oxide photovoltaic cell with impedance layer. 2,154,295; Apr. 11.
Wilson, Elihu C., assignor of twenty-five percent to E. P. Wilson, twenty-five percent to E. J. Wilson, Los Angeles, and twenty-five percent to A. B. Booth, Culver City, Calif. Siphon breaker. 2,153,904; Apr. 11.
Wilson, Elizabeth J., et al. (See Wilson, Elihu C., assignor.)
Wilson, Eva P., et al. (See Wilson, Elihu C., assignor.)
Wilson, I. J. (See Hirsch, Raymond S., assignor.)
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Wingfoot Corporation. (See Calvert, William C., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Lauter, Werner M., assignor.)
Winkler, Frederic C., Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting fixture. 2,154,296; Apr. 11.
Winthrop Chemical Company. (See Heineman, Paul G., assignor.)
Wise, Mack. (See Devary, F., and Wise.)
Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraphic transmission of intelligence. 2,153,858; Apr. 11.
Wolf, Benjamin Co. (See Thorman, Lester K., assignor.)
Wolf, John M., assignor of one-half to L. G. Wolf, Kansas City, Mo. Rotary internal combustion motor. 2,154,370; Apr. 11.
Wolf, Linford G. (See Wolf, John M., assignor.)
Wolfram, William S., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Automobile clutch. 2,154,117; Apr. 11.
Wood, Clarence P. (See Shilkoff, J., and Wood.)
Wood Conversion Company. (See Frost, Orcutt W., assignor.)
Wood, Edward L., Detroit, Mich. Power oil removal unit. 2,153,878; Apr. 11.
Woodall-Duckhane (1920) Limited. (See Jackson, George J., assignor.)
Woodstock Typewriter Company. (See Koca, James F., assignor.)
Woodward, Harold E. (See Carleton, P. W., and Woodward.)
Worcester Pressed Aluminum Company. (See Brosnan, C. A., and Kelleher, assignors.)
Worthington Pump and Machinery Corporation. (See Feldbush, Harry A., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wunderlich, Fritz, assignor to the firm Triumph-Werke Nurnberg A.-G., Nuremberg, Germany. Noiseless one-way clutch mechanism for the silent return of the paper carriage in writing machines. 2,153,735; Apr. 11.
Wunsch, Felix. (See Davis, E. T., and Wunsch.)
Yancey, William O., San Francisco, Calif. Action toy. 2,154,297; Apr. 11.
Yankovitch, Bozhidar M., Paterson, N. J. Garment hanger. 2,153,905; Apr. 11.
Yoch, James J., St. Louis, Mo. Air cooling means. 2,154,226; Apr. 11.
Young, Hugh E., Chicago, Ill. Constant voltage system. 2,154,020; Apr. 11.
Zimmer, Joseph B. (See Anderson, Carl J., assignor.)
Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Galvanometer mount for sound recording apparatus. 2,154,080; Apr. 11.
Zimmerman, Fred R., assignor to Nachman-Springfield Corporation, Chicago, Ill. Fiber cutting machine. 2,154,256; Apr. 11.
Zinke, Alois, Graz, Austria, assignor to the firm Beck, Koller & Company, Inc., Detroit, Mich. C-substituted phenols and making same. 2,154,192; Apr. 11.
Zitscher, Arthur. (See Laska, L., Zitscher, and Heil.)
Zizinia, Paul T., Belmar, and T. L. McKenna, Newark, assignors to Spray Dryer Laboratory Corporation, Jersey City, N. J. Process and apparatus for spray drying. 2,154,000; Apr. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ferro-alloys and making alloy steels from such alloys and in compositions for use in such processes, Making. B. F. Hardesty. Re. 21,047; Apr. 11.

Molds, Apparatus for producing. H. F. Hagemeyer. Re. 21,046; Apr. 11.

Nitrocellulose coating, Process of and apparatus for applying. E. M. Bright. Re. 21,045; Apr. 11.

Papers, cards, and the like, Apparatus for sorting. E. S. Roscoe. Re. 21,048; Apr. 11.

LIST OF DESIGN INVENTIONS

Airplane. C. E. Roberts. 114,299; Apr. 11.
Atomizer. F. A. Vuillemenot. 114,242–3; Apr. 11.
Barrel, Metal. R. T. Corey. 114,207; Apr. 11.
Bedspread. R. Steinweg. 114,256; Apr. 11.
Bedspread. R. Steinweg. 114,274; Apr. 11.
Blouse. M. Presslaff. 114,298; Apr. 11.
Bottle. J. L. Dunnock. 114,208; Apr. 11.
Bottle, Milk. J. J. Welky. 114,246; Apr. 11.
Bowl or article of similar nature, Glass floral. T. C. Heisey. 114,182; Apr. 11.
Box or similar article, Jewelry. F. M. Mahler. 114,193; Apr. 11.
Box or similar article, Lunch. E. Worthington. 114,202; Apr. 11.
Bracelet or similar article. J. B. Chorbajian. 114,206; Apr. 11.
Brooch or similar article of jewelry. H. Graeter. 114,212; Apr. 11.
Brush, Hair. P. Müller-Munk. 114,195–6; Apr. 11.
Brush or the like, Bath. P. Müller-Munk. 114,197–8; Apr. 11.
Buckle, Belt. A. Furtsch. 114,263; Apr. 11.
Calendar, Perpetual. L. P. Koprucki. 114,267; Apr. 11.
Candleblock or article of similar nature, Glass. T. C. Heisey. 114,217; Apr. 11.
Cap removing implement, Screw. H. Francke. 114,211; Apr. 11.
Card, Advertising. R. I. Blanchard. 114,257; Apr. 11.
Case, Display. C. F. Hoffman. 114,185; Apr. 11.
Case for phonograph records, Wall. W. F. Brotzman and B. H. Statter. 114,172; Apr. 11.
Casing, Clock. H. Dreyfuss. 114,262; Apr. 11.
Chair. T. M. McDonald and E. L. Monnot. 114,194; Apr. 11.
Chest or analogous article, Vanity. H. Felder. 114,174; Apr. 11.
Chest or similar article. M. Hanson. 114,179; Apr. 11.
Clasp, Handbag. C. Lowenstein. 114,249; Apr. 11.
Clock, Electric. J. Gottlieb. 114,264; Apr. 11.
Closet bowl and mounting therefor, Folding type. L. Andersen, E. A. Fredrickson, T. P. Newman, H. R. Van Sciver, and R. H. Zinkil. 114,166; Apr. 11.
Closet bowl and mounting therefor, Swivel type. L. Andersen, E. A. Fredrickson, H. R. Van Sciver, and R. H. Zinkil. 114,167; Apr. 11.
Coat. D. B. Feldman. 114,278; Apr. 11.
Coat. B. Goldschmidt. 114,280; Apr. 11.
Coat. E. Minkoff. 114,295; Apr. 11.
Coat. P. Rosenshein. 114,300; Apr. 11.
Coat. H. Weinstein. 114,304; Apr. 11.
Comb, Folding curler. E. S. Berliner. 114,168; Apr. 11.
Container or article of similar nature, Combined glass powder and powder puff. T. C. Heisey. 114,180; Apr. 11.
Desk. F. L. Wright. 114,203; Apr. 11.
Dish or article of similar nature, Glass jelly. T. C. Heisey. 114,181; Apr. 11.
Dish or other article of hollow ware. J. G. Theobald. 114,241; Apr. 11.
Drain and cutting block, Combination. G. D. Otis. 114,231–2; Apr. 11.
Dress. P. Byrnes. 114,277; Apr. 11.
Dress. H. Herrmann. 114,281; Apr. 11.
Dress. I. Lampel. 114,285; Apr. 11.
Dress. M. Massow. 114,288–90; Apr. 11.
Dress. M. Massow. 114,292; Apr. 11.
Dress. M. Stone. 114,301–2; Apr. 11.
Dress ensemble. S. E. Frontman. 114,279; Apr. 11.
Dress ensemble. D. Klein. 114,284; Apr. 11.
Dress ensemble. H. Lentini. 114,286; Apr. 11.
Dress ensemble. M. Massow. 114,287; Apr. 11.
Dress ensemble. M. Massow. 114,291; Apr. 11.
Dress ensemble. M. Massow. 114,293; Apr. 11.
Dwelling. F. L. Wright. 114,204; Apr. 11.
Electric contact device. E. C. Ryan. 114,239; Apr. 11.
Fabric or similar article, Elastic. H. Aull. 114,305; Apr. 11.
Fabric or similar article, Textile. H. Sluizer. 114,255; Apr. 11.
Fabric or similar article, Textile. M. Turpan. 114,311–12; Apr. 11.
Fabric, Textile. M. D. Kornfeld. 114,307–8; Apr. 11.
Fabric, Textile. J. G. McCutcheon. 114,250; Apr. 11.
Fabric, Textile. G. M. Ruth. 114,251; Apr. 11.
Fabric, Textile. A. S. Selverstone. 114,253; Apr. 11.
Fabric, Textile. N. B. Starr. 114,273; Apr. 11.
Fan and smoking stand, Combination. W. L. Kisling. 114,223; Apr. 11.
Fan and smoking table, Combination. W. L. Kisling. 114,224; Apr. 11.
Fan and table, Combination. W. L. Kisling. 114,222; Apr. 11.
Faucet. V. J. Sedlon and E. W. Pierle. 114,200; Apr. 11.
Goggle. J. Brunetti. 114,260; Apr. 11.
Grave preserver and marker, Combined. R. W. Wahl. 114,245; Apr. 11.
Handbag frame. J. Green. 114,176–8; Apr. 11.
Hat. S. Scheuer. 114,252; Apr. 11.
Holder, Display article. F. W. Rettenmeyer. 114,199; Apr. 11.
Jar or similar article. G. Smith, Jr. 114,240; Apr. 11.
Jewelry finding for chains or the like. P. F. Volk. 114,244; Apr. 11.
Knee rest for gardeners. J. H. L. Sullivan and E. B. Thibedeau. 114,303; Apr. 11.
Leather or similar article of manufacture. F. H. Becker and L. F. Peabody. 114,258; Apr. 11.
Lighter and key ring, Combined keyhole. I. Florman. 114,210; Apr. 11.
Lock for luggage cases or the like. A. Levine. 114,188–91; Apr. 11.
Mirror or similar article. B. M. Quint. 114,313; Apr. 11.
Nightgown or similar article. H. Shaffer. 114,310; Apr. 11.
Pin, Apparel. F. N. Lewis. 114,226; Apr. 11.
Pin, Brooch. J. H. Leff. 114,225; Apr. 11.
Pin, Clip. J. Hirsch. 114,218; Apr. 11.
Pin, Clip. A. Katz. 114,219–21; Apr. 11.
Pin, Clip. A. Katz. 114,282–3; Apr. 11.
Pin, Clip. A. Philippe. 114,234–8; Apr. 11.
Pin, Clip. A. Philippe. 114,296–7; Apr. 11.
Plate or article of similar nature, Glass torte. T. C. Heisey. 114,183; Apr. 11.
Plate or similar article. W. J. Frey. 114,175; Apr. 11.
Plate or similar article. C. W. Leigh. 114,309; Apr. 11.
Plate or the like. L. Cruveilher. 114,173; Apr. 11.
Projector. J. Tuomey. 114,275; Apr. 11.
Projector and pedestal therefor, Combination motion picture. K. Brankert. 114,259; Apr. 11.
Projector, Sound on film motion picture. A. Shapiro. 114,272; Apr. 11.
Protector, Automobile grille. R. N. Wiesenberger. 114,247; Apr. 11.
Rack, Display. E. P. May. 114,227–8; Apr. 11.
Rack or similar article, Magazine. O. C. Hobson. 114,186; Apr. 11.
Reamer, juice strainer, and extractor, Combination. R. R. Spira. 114,201; Apr. 11.
Scraper and guard therefor or similar article, Combined glass. H. Siemund. 114,254; Apr. 11.
Shoe. E. W. Allen. 114,276; Apr. 11.
Shoe or similar article. S. Dorée. 114,261; Apr. 11.
Shoe sole. H. Leigh. 114,187; Apr. 11.
Sign. H. C. Hammer. 114,213; Apr. 11.
Sign. H. C. Hammer. 114,215–16; Apr. 11.
Sign. M. C. Lee. 114,229; Apr. 11.
Sign, Bracket. H. C. Hammer. 114,214; Apr. 11.
Signal for automobiles, Direction. W. L. Morrison. 114,230; Apr. 11.

Slider body for slide fasteners. N. J. Poux. 114,268–71; Apr. 11.
Socket, Lamp. C. Birdseye, H. D. Wilson, and W. N. Heath. 114,169; Apr. 11.
Stand, Display. A. O. Bowen and F. E. Taylor. 114,170–1; Apr. 11.
Stand, Optical display. S. Hokstad. 114,306; Apr. 11.
Stapler. R. Heller. 114,265; Apr. 11.
Statuette. R. Lyon. 114,192; Apr. 11.
Stocking. L. H. Mendelsohn. 114,294; Apr. 11.
Stoker. F. D. Yarick. 114,205; Apr. 11.
Stopper and liquid pourer, Combined bottle. C. F. Eklund. 114,209; Apr. 11.
Teapot or similar article. J. H. Perry. 114,233; Apr. 11.
Veil, Wedding. A. Frank. 114,248; Apr. 11.
Whatnot. O. O. Hobson. 114,184; Apr. 11.
Wheel for motor vehicles or the like, Steering. D. S. Hoover. 114,266; Apr. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and making the same, Bonded. N. P. Robie. 2,154,785; Apr. 11.
Accessory for garment finishing tables. J. W. Steele. 2,154,291; Apr. 11.
Acetaldehyde from gases containing acetylene, Production of. F. Liesenberg and G. Wietzel. 2,153,985; Apr. 11.
Acetaldehyde from gases containing acetylene, Production of. F. Lieseberg. 2,153,985; Apr. 11.
Acid-amine condensation product. A. G. Hovey and T. S. Hodgins. 2,153,801; Apr. 11.
Acid compounds, Stabilization of fatty. G. D. Martin. 2,154,341; Apr. 11.
Acid compounds, Thiobarbituric. A. W. Dox. 2,153,711–12; Apr. 11.
Acid derivatives, Thiobarbituric. E. H. Volwiler and D. L. Tabern. 2,153,729–32; Apr. 11.
Acids and their salts, Paraminoarylsulfonamidoaryl orthosulfonic. E. H. Northey. 2,154,248; Apr. 11.
Acids exuding from silicious cements, Neutralization of. J. H. Schlesinger. 2,154,413; Apr. 11.
Acids, 1-aryl-5-pyrazolone-3 carboxylic. M. A. Dahlen and M. E. Friedrich. 2,153,615; Apr. 11.
Acyl derivatives of the dihydrofollicle hormone and resulting product, Producing. F. Hildebrandt and E. Schwenk. 2,154,272; Apr. 11.
Addressing and listing machine. P. M. Rainey. 2,153,642; Apr. 11.
Adhesive. W. H. Moss. 2,153,584; Apr. 11.
Adjustable mold. W. F. Eppensteiner. 2,154,234; Apr. 11.
Adjustable seat. O. Kuhler. 2,153,763; Apr. 11.
Adjusting means for rotary systems, particularly direction-finders, Automatic. R. Weber. 2,153,782; Apr. 11.
Adjustment device for brakes, Automatic. W. W. Riedel. 2,154,075; Apr. 11.
Advertising device, Aerial. C. E. Haines. 2,153,924; Apr. 11.
Advertising sign. R. J. Guba. 2,154,088; Apr. 11.
Aerial display. N. N. Shorb. 2,153,940; Apr. 11.
Age resistor. A. M. Clifford. 2,153,956; Apr. 11.
Air conditioning apparatus. E. S. Lea. 2,153,932; Apr. 11.
Air conditioning system. L. A. Philipp. 2,153,695–6; Apr. 11.
Air conditioning system for railroad cars. W. H. Carrier. 2,154,263; Apr. 11.
Air cooling means. J. J. Yoch. 2,154,226; Apr. 11.
Aircraft power plant installation. E. C. Wells. 2,153,603; Apr. 11.
Aircraft, Rotative winged. H. S. Campbell. 2,153,610; Apr. 11.
Airplane control. H. D. Hoekstra. 2,153,667; Apr. 11.
Air supply device. F. J. Kurth and F. Honerkamp. 2,153,576; Apr. 11.
Alarm and ignition lock, Automobile theft. C. Vignos and C. D. Vollmer. 2,153,903; Apr. 11.
Alarm device. G. C. Queen. 2,153,875; Apr. 11.
Alloys, Cupro-nickel. R. A. Wilkins. 2,153,978; Apr. 11.
Aluminum formate and solutions thereof, Stable basic. L. A. Kramer. 2,154,170; Apr. 11.
Amines, Purification of aryl. R. L. Jenkins. 2,153,960; Apr. 11.
Amino-acid derivatives and their manufacture. F. Becherer, M. Iselin, and J. Bindler. 2,153,707; Apr. 11.
Amplifier. N. C. Norman. 2,153,638; Apr. 11.
Aneroids, Method of and apparatus for making. P. Kollsman. 2,154,273; Apr. 11.
Animal actuated door. V. M. Nidever. 2,153,673; Apr. 11.
Anode, Carbon exterior. I. E. Mouromtseff. 2,154,278; Apr. 11.
Antenna. H. O. Peterson. 2,153,589; Apr. 11.
Antenna system. J. F. Morrison. 2,153,768; Apr. 11.
Antenna system, Permeability tuned. F. N. Jacob. 2,153,622; Apr. 11.
Antifreeze liquid, Noncorrosive alcohol. H. Lamprey. 2,153,961; Apr. 11.
Antioxidants, Nonstaining. P. C. Jones. 2,153,804; Apr. 11.
Apparatus for clarifying liquors containing suspended and flocculent matter, such as sugar juices and similar liquors. N. B. Bach. 2,153,607; Apr. 11.
Apparatus for delivering material in solid, plastic, or semiliquid form from storage containers. P. F. Crothers; 2,154,325; Apr. 11.
Apparatus for forming spacing bends in wire fabrics. A. Chambers. 2,154,149; Apr. 11.
Article of apparel. E. F. Alexander. 2,154,059; Apr. 11.
Articles of highly polymeric compounds, Manufacture of shaped. O. Hauffe. 2,154,203; Apr. 11.
Articles with polymerized adhesives, Bonding of composite. G. I. Clapp. 2,153,660; Apr. 11.
Ashtray attachment. A. A. Kickhofel. 2,154,335; Apr. 11.
Attachment for electrical apparatus. P. E. Hamilton. 2,154,160; Apr. 11.
Attachment for typewriters. F. W. Vollans. 2,154,058; Apr. 11.
Audio amplifier circuit. S. Hunt. 2,153,756; Apr. 11.
Automatic choke valve. J. E. Eshbaugh. 2,154,086; Apr. 11.
Automatic choke valve. R. F. Holmes and L. M. Crabb. 2,154,090; Apr. 11.
Automatic wrench. P. E. Fleming. 2,153,828; Apr. 11.
Automobile clutch. W. S. Wolfram. 2,154,117; Apr. 11.
Automotive vehicle. H. K. Reinoehl and D. G. Renno. 2,154,011; Apr. 11.
Bait and tackle box, Combination. A. E. Cooper. 2,153,549; Apr. 11.
Banner, Aerial advertising. P. E. Hovgard. 2,153,562; Apr. 11.
Barbecue stand. J. M. Huntington. 2,154,165; Apr. 11.
Barrier, Pedestrian. B. J. Belsher. 2,153,708; Apr. 11.
Base, Interchangeable meter. R. A. Rond and S. S. Green. 2,154,411; Apr. 11.
Battery, Dry. F. MacCallum. 2,154,312; Apr. 11.
Battery lamp. A. J. Seiss. 2,153,814; Apr. 11.
Beaded surfaces. D. G. Higgins. 2,153,755; Apr. 11.
Beer dispensing device. E. G. Rolande. 2,154,052; Apr. 11.
Belts, Manufacture of power transmission. L. S. M. Lejeune. 2,153,966; Apr. 11.
Bending tool. H. G. Holmes. 2,153,867; Apr. 11.
Binder, Loom. J. Dewhurst. 2,153,662; Apr. 11.
Binder, Loose leaf. J. O. Davis and F. M. Martin. 2,153,661; Apr. 11.
Binder, Ski. R. F. Meis. 2,153,809; Apr. 11.
Bit: *See*—
Rotary well bit.
Bite gauge. C. A. Butts. 2,154,148; Apr. 11.
Blade cutter. J. A. W. Madsen. 2,154,211; Apr. 11.
Block: *See*—
Building block.
Boat. D. Frisendahl. 2,154,040; Apr. 11.
Body for ornamental and practical purposes, Band. H. Burk. 2,153,659; Apr. 11.
Boiler: *See*—.
Steam boiler.
Book. E. W. Palmer. 2,153,639; Apr. 11.
Book with exchangeable leaves and binding element therefor. I. V. Kramer. 2,153,575; Apr. 11.
Bore holes, Method and apparatus for continuous exploration of. J. J. Jakosky. 2,153,802; Apr. 11.
Bottle covering and sealing machine. W. L. Long. 2,153,579; Apr. 11.
Bottles and jars, Apparatus for handling. C. A. Heyne. 2,154,126; Apr. 11.
Box: *See*—
Bait and tackle box. Foldable box.
Cardboard box. Meter connection box.
Extension edge box. Sign box.
Box without packing, Stuffing. N. Difazio. 2,153,825; Apr. 2.
Boxes, Forming conduit outlet. C. S. Brown. 2,153,657; Apr. 11.
Brake: *See*—
Vehicle brake.
Brake. O. Rasmussen and G. K. Hause. 2,154,074; Apr. 11.
Brake actuating mechanism, Hand. P. B. Camp. 2,153,546; Apr. 11.
Brake beam hanger pin and adapter. M. S. Johnson. 2,154,094; Apr. 11.
Brake drums, Forming. C. W. Sinclair. 2,154,016; Apr. 11.
Brake drums, Making. C. W. Sinclair. 2,154,014; Apr. 11.
Brake for cycles and the like. W. W. Warrington. 2,154,188; Apr. 11.
Brake lever, Spring friction. R. A. Sandberg. 2,154,215; Apr. 11.
Brake mechanism. J. E. Cornwall. 2,154,034; Apr. 11.
Brake system, Hydraulic. P. F. Rossmann. 2,154,111; Apr. 11.
Braking system for Diesel-electric driven vehicles. P. Müller. 2,154,279; Apr. 11.
Brew cooling apparatus. H. A. Feldbush. 2,153,980; Apr. 11.
Broach. H. A. Baker. 2,153,909; Apr. 11.
Broach locking device. J. W. Forbes. 2,154,039; Apr. 11.

Broaching machine, Tabular. H. T. Honig. 2,153,890; Apr. 11.
Brush, Bath and friction. E. R. Poirier. 2,153,844; Apr. 11.
Builder motion. G. E. Branch. 2,153,788; Apr. 11.
Building block. E. O. Blackwell. 2,153,913; Apr. 11.
Building, Mobile. J. J. Whelan. 2,154,142; Apr. 11.
Burner: *See*—
Gas burner. Pulverized-fuel burner.
Burner for furnaces. H. B. Barber. 2,153,951; Apr. 11.
Cable tapping device. A. J. Hixon. 2,154,163; Apr. 11.
Cake swift. H. J. McDermott. 2,154,343; Apr. 11.
Calendar, Desk memorandum. J. P. Wege. 2,153,855; Apr. 11.
Calendar, Perpetual. E. Schillaci. 2,154,013; Apr. 11.
Cam mechanism. J. Verderber and E. F. Batterman. 2,153,998; Apr. 11.
Camera carrying case. W. Albert. 2,153,606; Apr. 11.
Camera, Double. F. W. Jackman. 2,153,892; Apr. 11.
Camera, Photographic. K. Pritschow. 2,153,813; Apr. 11.
Camera plate holder. O. J. Schwartz. 2,153,995; Apr. 11.
Camera, Roll film. L. Goldhammer. 2,153,665; Apr. 11.
Camera with exposure meter, Photographic. A. O. Couyoumdjian. 2,154,324; Apr. 11.
Can closure. F. J. O'Brien. 2,154,349; Apr. 11.
Cap: *See*—
Closure cap.
Cap or closure, Jar. M. E. Kleinert. 2,153,807; Apr. 11.
Car construction. N. S. Reeder. 2,154,137; Apr. 11.
Car construction. A. C. Schmohl. 2,154,139–40; Apr. 11.
Car truck. J. A. Shafer. 2,153,647–9; Apr. 11.
Carbazole derivatives. W. Mieg and W. Burneleit. 2,154,176; Apr. 11.
Carburetor. J. Cameron. 2,154,033; Apr. 11.
Card, Magnetic type floating compass. M. Isaacson. 2,153,565; Apr. 11.
Cardboard box, One-piece folding. M. E. Seifer. 2,154,218; Apr. 11.
Carton-making machine, Rip-cord. J. A. Stock. 2,153,652; Apr. 11.
Cartoons, Apparatus for making animated. A. W. Tondreau. 2,153,902; Apr. 11.
Cartridge, Nonabrading reloadable. D. H. Kinlock. 2,153,573; Apr. 11.
Case: *See*—
Camera carrying case. Vanity case.
Sewing machine thread case.
Casein solution, Stable. C. Iddings. 2,154,400; Apr. 11.
Cash register. J. H. Gruver. 2,154,381; Apr. 11.
Catalyst and producing it. J. M. Weiss. 2,154,079; Apr. 11.
Cathode for electrolytic devices. J. B. Brennan. 2,154,026; Apr. 11.
Cathode for electron discharge devices. R. B. Ayer. 2,154,298; Apr. 11.
Cathode ray oscilloscope. R. H. Varian. 2,153,949; Apr. 11.
Cathode ray tube apparatus. K. Diels. 2,153,616; Apr. 11.
Centering jack. C. R. Proctor. 2,154,182; Apr. 11.
Ceramic body. A. H. Fessler and H. Navratiel. 2,154,069; Apr. 11.
Chain. J. Waldman. 2,154,224; Apr. 11.
Chairs, Floor attachment for. W. D. Rich. 2,153,679; Apr. 11.
Changeable sign. H. E. Stedman. 2,153,850; Apr. 11.
Charge for gas pressure operated blasting devices. J. Taylor. 2,154,221; Apr. 11.
Chart for recording instruments. P. G. Exline. 2,153,917; Apr. 11.
Chemical heating pad. L. Markel and F. L. Reynolds. 2,153,670; Apr. 11.
Chemical heating pad. F. L. Reynolds. 2,153,676; Apr. 11.
Chuck or tool holder. L. Scruggs. 2,153,847; Apr. 11.
Chucking means. D. H. Montgomery. 2,153,971; Apr. 11.
Cigarette holder. L. J. Jacobson. 2,153,623; Apr. 11.
Cinematography, Natural color. S. B. Hunt. 2,153,564; Apr. 11.
Circuit: *See*—
Audio amplifier circuit. Voltage regulating circuit.
Tuning indication circuit.
Circuit arrangement. C. Travis. 2,153,778; Apr. 11.
Circuits, Automatic fidelity control. R. A. Braden. 2,153,738; Apr. 11.
Circuits, Automatic fidelity control. R. A. Braden. 2,154,061; Apr. 11.
Circuits, Automatic volume control. C. N. Kimball. 2,153,760; Apr. 11.
Circuits, Cathode ray tube control. R. Urtel and R. Andrieu. 2,153,655; Apr. 11.
Circuits, Direct current amplifier. R. Gürtler. 2,153,752; Apr. 11.
Circuits, Filter. N. M. Rust. 2,154,076; Apr. 11.
Circuits, Gain control. R. W. Chesnut. 2,154,062; Apr. 11.
Circulation control means. H. S. Wheller. 2,153,604; Apr. 11.
Clamp: *See*—
Venetian blind clamp.
Clamp. R. R. Frederick. 2,153,748; Apr. 11.
Clamp for hosiery drying forms. H. F. Wanamaker. 2,154,369; Apr. 11.
Clasp. C. R. Tost. 2,153,818; Apr. 11.
Clasp. J. A. Vaughan. 2,153,853; Apr. 11.
Clasp, Garment. H. Guillod. 2,154,329; Apr. 11.
Cleaner: *See*—
Vacuum cleaner. Windshield cleaner.
Clip: *See*—
Marker and fastening clip. Paper clip.
Clip for cables or the like, Fastening. H. W. Kost. 2,154,046; Apr. 11.
Closure cap. L. E. Ames. 2,154,118; Apr. 11.
Closure fastening device. G. R. Green. 2,154,001; Apr. 11.
Clutch: *See*—
Automobile clutch.
Clutch. A. Moorhouse. 2,154,212; Apr. 11.
Clutch mechanism for the silent return of the paper carriage in writing machines, Noiseless one-way. F. Wunderlich. 2,153,735; Apr. 11.
Coal cleaning apparatus, Dry. E. O'Toole, Jr. and K. K. Wilcox. 2,154,180; Apr. 11.
Coating. R. H. Thielking. 2,154,057; Apr. 11.
Coating composition and preparing the same. J. T. Baldwin. 2,153,910; Apr. 11.
Coating machine. J. M. Hothersall and G. C. Reid. 2,153,561; Apr. 11.
Coatings on plaster or other surfaces, Producing. K. Sponsel. 2,154,220; Apr. 11.
Coil, Electrical. E. E. Franz. 2,154,070; Apr. 11.
Coin operated machine. W. G. Peters. 2,153,588; Apr. 11.
Collector for centrifugal apparatus. J. H. Millar. 2,154,134; Apr. 11.
Color producing compositions, Stable ice. H. Z. Lecher and R. P. Parker. 2,154,405; Apr. 11.
Coloring matters of phthalocyanine type. I. M. Heilbron, F. Irving, and R. P. Linstead. 2,153,620; Apr. 11.
Colostomy apparatus. R. Gricks. 2,154,202; Apr. 11.
Comb. A. N. King. 2,154,336; Apr. 11.
Comb, Folding rat-tail. E. S. Berliner. 2,154,120; Apr. 11.
Combing machine. J. W. Nasmith. 2,154,281; Apr. 11.
Communications by means of light, Apparatus for establishing. J. Bournisien. 2,153,709; Apr. 11.
Compensating means for long-scale wattmeters. W. D. Hall. 2,154,307; Apr. 11.
Composition of matter for the preparation of fire extinguishing foam. K. Daimler, M. Paquin, and W. Riedelsberger. 2,154,231; Apr. 11.
Compressor unit for refrigeration and other applications. L. Patrignani. 2,153,773; Apr. 11.
Computer, Ready. H. Watson. 2,153,733; Apr. 11.
Concrete placing apparatus. C. Jackson. 2,154,207; Apr. 11.
Concrete placing machine. C. Jackson. 2,154,206; Apr. 11.
Condenser: *See*—
Electrolytic condenser.
Condenser tube. R. A. Wilkins. 2,153,977; Apr. 11.
Conduit, Jointed. B. H. Miller. 2,154,407; Apr. 11.
Connection, Wash line drive. H. C. Block. 2,153,822; Apr. 11.
Connector and support for frangible bodies, Resilient. C. W. Davis. 2,153,533; Apr. 11.
Contact structure, Separable. W. H. Frank. 2,154,237; Apr. 11.
Contact, Torsion grip. F. M. Clement. 2,154,302; Apr. 11.
Contactor, Electrical torsion. F. M. Clement. 2,154,391; Apr. 11.
Container: *See*—
Medicinal container.
Container. F. Benedetti. 2,153,911; Apr. 11.
Container. R. M. Bergstein. 2,154,083; Apr. 11.
Container and seal therefor. J. E. Roach and H. C. Lohman. 2,154,214; Apr. 11.
Container cover applying machine. F. O'Neill, Jr. and A. F. Pityo. 2,154,350; Apr. 11.
Container for journal boxes, Lubricant. L. C. Hyatt. 2,153,692; Apr. 11.
Containers, Method of and apparatus for vacuum sealing. K. L. Ford. 2,154,266; Apr. 11.
Control for multiple doors. C. N. Mitchell. 2,153,693; Apr. 11.
Control method and apparatus. J. R. Green, A. E. Krogh, C. B. Moore, and R. Ullman. 2,153,922; Apr. 11.
Control system, Compensated. C. C. Chambers. 2,154,375; Apr. 11.
Control system for self-balancing measuring instruments, Electronic. F. B. MacLaren, Jr. 2,153,986; Apr. 11.
Conveyer, Grain. H. M. Ullman. 2,153,703; Apr. 11.
Cooking apparatus. C. J. Anderson. 2,154,391; Apr. 11.
Cooling pad. M. A. Savage. 2,154,216; Apr. 11.
Copper sulphate, Making. M. C. Bagby. 2,153,908; Apr. 11.
Cord, Manufacture of web. L. S. M. and E. J. A. Lejeune. 2,153,967; Apr. 11.
Cores, Apparatus for baking radiator. H. S. Munch and M. G. Boerger. 2,154,104; Apr. 11.
Corrosion inhibitor, Antifreeze. A. L. Bayes. 2,153,952; Apr. 11.
Counter. W. H. Bain. 2,154,023; Apr. 11.

Counter or table dispensing and display construction. B. J. Goldsmith. 2,154,268; Apr. 11.
Counterbalanced stamp mill. R. M. Gruss. 2,153,558; Apr. 11.
Counting and recording machine. C. A. Marston. 2,153,808; Apr. 11.
Coupler, Automatic drawbar and car. Lloyd and Leroy Price. 2,154,415; Apr. 11.
Coupling: *See*—
Resilient coupling.
Coupling for replacing drive shafts of no-draft window regulators for motor vehicles. G. Levey. 2,154,245; Apr. 11.
Coupling system, Impedance matching. W. V. Roberts. 2,153,776; Apr. 11.
Cover: *See*—
Garbage can cover. Watch cover.
Cover and screen fastener, Radiator. J. W. Osten. 2,153,772; Apr. 11.
Cover applying mechanism for can washing machines. H. D. Lathrop. 2,154,172; Apr. 11.
Craft, Hydro-safety. A. P. Welsh. 2,154,191; Apr. 11.
Crankcase breather and oil filler pipe assembly. H. G. Kamrath. 2,154,072; Apr. 11.
Crate, Bottle. J. F. Maurer, Jr. 2,154,100–01; Apr. 11.
Crate for refrigerating apparatus, Shipping. A. A. Kucher. 2,154,242; Apr. 11.
Creep testing apparatus, Accelerated. A. Nadai and J. Boyd. 2,154,280; Apr. 3.
Crossing protection, Highway. E. J. Schaefer. 2,154,286; Apr. 11.
Cup, Paper drinking. J. D. Lane. 2,154,003; Apr. 11.
Curb indicator and bumper for vehicles. J. L. Mohar. 2,153,896; Apr. 11.
Curler, Hair. J. A. Murdock. 2,154,179; Apr. 11.
Current collector. A. H. Genter. 2,154,380; Apr. 11.
Curtain holder. J. H. Heckman. 2,154,161; Apr. 11.
Cutter: *See*—
Blade cutter.
Cutter and hedge trimmer, Grass. J. A. Orr. 2,153,771; Apr. 11.
Cyclohexane, Chlorination of. A. A. Levine and O. W. Cass. 2,154,049; Apr. 11.
Cylinder and brake holding means, Combined master. W. R. Freeman. 2,153,749; Apr. 11.
Cylinder head construction for Diesel engines. W. H. Ross. 2,154,358; Apr. 11.
Damper control for boilers and the like, Multiple. E. C. and J. A. Niven. 2,153,637; Apr. 11.
Damper, Vibration. J. M. Christman. 2,153,914; Apr. 11.
Damper winding for synchronous motors. C. C. Shutt. 2,154,289; Apr. 11.
Damper with floating pin support, Rocking dynamic. R. Chilton. 2,154,063; Apr. 11.
Decalcomania. J. B. Carr and H. C. Rathke. 2,154,198; Apr. 11.
Deflecting system. K. Schlesinger. 2,154,386; Apr. 11.
Degreasing. A. A. Levine. 2,153,577; Apr. 11.
Dehydrobinaphthylenediimines. A. Rieche and W. Rudolph. 2,153,994; Apr. 11.
Demagnetization. C. W. Davis. 2,154,399; Apr. 11.
Demodulating means. H. Chireix. 2,153,612; Apr. 11.
Dental instrument. L. G. Coble. 2,153,710; Apr. 11.
Dentifrice. H. Klein and E. Kaplan. 2,154,168; Apr. 11.
Device for automatically stopping sheet conveyers for printing or like machine. H. T. Backhouse. 2,154,022; Apr. 11.
Device for balancing reciprocating engines. R. R. R. Sarazin. 2,154,359; Apr. 11.
Device for suppressing pulsations in fluid streams. H. N. Wade. 2,154,223; Apr. 11.
Device for testing spark plugs and ignition circuits. J. Tawyer. 2,153,944; Apr. 11.
Die head. S. W. Mathias and M. A. Hollengreen. 2,154,006; Apr. 11.
Dilating and massaging device, Combined. T. R. Hayton. 2,153,753; Apr. 11.
Direction control mechanism for well drilling tools. J. H. Schumacher and W. C. George. 2,153,680; Apr. 11.
Discharge tube and making same. J. H. van der Tuuk and A. Verhoeff. 2,154,368; Apr. 11.
Disintegrator. C. A. Rietz. 2,153,590; Apr. 11.
Dispenser: *See*—
Measuring dispenser.
Dispensing apparatus for beverages. L. G. Bates. 2,154,393; Apr. 11.
Dispensing device. G. Mills. 2,154,346; Apr. 11.
Display device. J. O. Fawcett. 2,154,087; Apr. 11.
Display device. A. Parks. 2,154,109–10; Apr. 11.
Display device. L. K. Thorman. 2,153,976; Apr. 11.
Display sign, Illuminated shelf. A. C. Fletcher. 2,153,797; Apr. 11.
Display stand. F. G. Jewett and M. V. Odquist. 2,153,566; Apr. 11.
Dissector tube. P. T. Farnsworth. 2,153,918; Apr. 11.
Door: *See*—
Animal actuated door.
Door closing apparatus. C. W. Hartshorn. 2,153,833; Apr. 11.
Double acting jack. H. O. Haferkorn. 2,153,888; Apr. 11.
Double acting pump. C. J. Schenk. 2,153,974; Apr. 11.
Drainage tube. F. L. Carswell and O. W. Schmidt. 2,153,790; Apr. 11.
Dredging, drilling, and pile-driving equipment, Combination. J. O. Grenier. 2,153,557; Apr. 11.
Dress. One-piece. J. Brown. 2,154,227; Apr. 11.
Drill: *See*—
Seed drill.
Drying, Process and apparatus for spray. P. T. Zizinia and T. L. McKenna. 2,154,000; Apr. 11.
Dyes and preparing them, Cyanine. J. D. Kendall. 2,153,927; Apr. 11.
Dyes, Spirit soluble blue. P. W. Carleton and H. E. Woodward. 2,153,740; Apr. 11.
Dyestuffs and fiber dyed therewith, Water-insoluble. L. Laska, A. Zitscher, and R. Heil. 2,153,539; Apr. 11.
Dyestuffs and making same, Mordant azo. M. Müller and R. Ratti. 2,154,348; Apr. 11.
Dyestuffs, Monoazo. A. H. Knight. 2,153,627; Apr. 11.
Dyestuffs, Water-soluble azo. H. Schweitzer, O. Bayer, and G. Schrader. 2,154,186; Apr. 11.
Elastic products with a textile base, Manufacture of. L. S. M. and E. J. A. Lejeune. 2,153,963; Apr. 11.
Electric door switch. W. O. Hodges. 2,153,835; Apr. 11.
Electric heater. N. E. Abbate. 2,154,021; Apr. 11.
Electric-motor device, Make-and-break. W. Kohlhagen. 2,153,761; Apr. 11.
Electric motor, Self-starting synchronous. A. B. Poole. 2,153,775; Apr. 11.
Electrical contact. W. C. Ellis. 2,154,068; Apr. 11.
Electrical contacts, Making. P. Scholz. 2,154,288; Apr. 11.
Electrical control system. H. Schewe. 2,154,287; Apr. 11.
Electrical measuring system. E. T. Davis and F. Wunsch. 2,154,065; Apr. 11.
Electrical receptacle. P. E. Hamilton. 2,154,159; Apr. 11.
Electrical testing apparatus. C. Paulson. 2,153,989–90; Apr. 11.
Electrical welding machine. G. D. Williams. 2,153,745; Apr. 11.
Electrode for ionic discharge devices. T. J. Killian. 2,154,404; Apr. 11.
Electrode, Ignition. W. R. Taliaferro. 2,154,292; Apr. 11.
Electrode supporting structure. A. Linn. 2,154,275; Apr. 11.
Electrolytic cell. R. N. Jones and G. G. Gomez. 2,153,569; Apr. 11.
Electrolytic condenser. H. Waterman. 2,153,999; Apr. 11.
Electrolytic device and making same. J. B. Brennan. 2,154,027; Apr. 11.
Electromechanical oscillating device. H. E. Hollmann. 2,154,127; Apr. 11.
Electron discharge device. W. G. Wagener. 2,154,293; Apr. 11.
Electron tube. M. Knoll. 2,153,628; Apr. 11.
Electronic metering system. L. Brandenburger. 2,154,260; Apr. 11.
Element of building construction. J. E. Schumacher. 2,154,053; Apr. 11.
Elevator door lock. W. Mahlke. 2,153,765; Apr. 11.
Engine: *See*—
Explosive engine. Oscillating piston engine.
Injection engine.
Internal combustion engine.
Engine automatic compression ratio varying means, Internal combustion. Y. Hironaka. 2,153,691; Apr. 11.
Engine structure, Radial. B. Kahn. 2,154,402; Apr. 11.
Engraving or routing machine. J. Shilkoff and C. P. Wood. 2,154,252; Apr. 11.
Envelopes, Forming. J. J. Shea and W. F. Irrgang. 2,153,848; Apr. 11.
Equalizer, Attenuation. S. Darlington. 2,153,743; Apr. 11.
Error detecting device for printing telegraph receivers. J. A. Spencer. 2,153,737; Apr. 11.
Esters and preparing them, Vinyl. O. Nicodemus, H. Lange, and O. Horn. 2,153,987; Apr. 11.
Excavator, Convertible. J. A. Kuhsel. 2,153,719; Apr. 11.
Excitation system. H. A. Rose. 2,154,284; Apr. 11.
Explosion-hazard eliminating device, Gasoline storage tank. D. V. Gallery. 2,153,555; Apr. 11.
Explosive engine. C. A. Lee. 2,153,870; Apr. 11.
Explosive, Nondetonating blasting. A. T. Tyre. 2,154,416; Apr. 11.
Extension edge box. S. Bergstein. 2,154,084; Apr. 11.
Extractor: *See*—
Oil extractor.
Eyelet stay taping machine. W. P. Osgood. 2,154,007; Apr. 11.
Fabric: *See*—
Knitted napped pile fabric.
Fabric, Manufacture of elastic. L. S. M. Lejeune. 2,153,964; Apr. 11.
Fastener: *See*—
Cover and screen fastener.
Fastener for ground work. W. S. Thompson. 2,153,947; Apr. 11.
Fastening device. G. C. Tighe. 2,153,702; Apr. 11.

Fastening means and method of manufacture thereof. C. A. Swanstrom. 2,153,681; Apr. 11.
Feathering device for boat oars. F. Wagele. 2,154,018; Apr. 11.
Feeding mechanism for shaker or jigging conveyers. E. R. Bergmann. 2,154,060; Apr. 11.
Fiber cutting machine. F. R. Zimmerman. 2,154,256; Apr. 11.
Fibers with complex chromium compounds of azo dyestuffs, Dyeing animal. F. Straub and H. Schneider. 2,153,701; Apr. 11.
Filler package. L. Benoit. 2,154,194–5; Apr. 11.
Filling compound for and method of insulating conductors. L. McCulloch. 2,154,276; Apr. 11.
Film rewinding apparatus. S. M. Hill and F. S. Testera. 2,153,666; Apr. 11.
Filter: *See*—
Phase correcting low-pass filter.
Filter and separator, Centrifugal. J. H. Millar. 2,153,581; Apr. 11.
Filter protection. W. W. Martenis. 2,154,051; Apr. 11.
Fingerprint machine. H. L. Ballard. 2,153,684; Apr. 11.
Finish detail element, Constructional. A. Doherty. 2,154,036; Apr. 11.
Fish scaler. E. L. Scoville. 2,154,187; Apr. 11.
Fishing reel. F. M. Grieten. 2,153,923; Apr. 11.
Fishing reels, Water catcher for. M. B. Brenneman. 2,154,122; Apr. 11.
Fixture, Illuminable. F. H. Scantlebury. 2,153,595; Apr. 11.
Float, Fishline. W. S. Goertzen. 2,153,750; Apr. 11.
Float for fishing lines. C. E. Jones. 2,153,869; Apr. 11.
Float for fishing nets and the like. L. W. Seefeldt. 2,154,112; Apr. 11.
Fluid circulation system. M. P. Parcaro. 2,154,136; Apr. 11.
Fluid heater. V. W. Moray. 2,154,177–8; Apr. 11.
Fluid operated motor. F. Parreira. 2,153,587; Apr. 11.
Fluid pressure operated apparatus. K. E. Evrell. 2,154,038; Apr. 11.
Fluid tank. F. V. Hartman. 2,154,044; Apr. 11.
Foldable box, Article holding. J. S. Innis. 2,153,538; Apr. 11.
Food products, Apparatus for quick freezing of. C. J. Conn. 2,153,742; Apr. 11.
Form, Shoe. W. J. De Witt. 2,153,794; Apr. 11.
Forms, Making manifold. J. B. Fulk. 2,154,157; Apr. 11.
Frame: *See*—
Heddle bar frame. Motor vehicle frame.
Leather frame.
Fractionating apparatus. C. A. Thomas. 2,153,599; Apr. 11.
Fruit and the like, Method and apparatus for drying. M. D. Kennedy and J. G. Johnson. 2,153,572; Apr. 11.
Fuel combustion control system. W. H. Gille. 2,154,041; Apr. 11.
Fuel-oil control valve. J. B. Olson. 2,154,108; Apr. 11.
Fuel supply to internal combustion engines, Varying the. J. H. S. and J. K. Gardner. 2,153,921; Apr. 11.
Furnace construction. T. Teeters. 2,154,414; Apr. 11.
Furs and skins, Treatment of. W. Kritchevsky. 2,153,762; Apr. 11.
Fuse. H. G. Towner. 2,153,600; Apr. 11.
Fuse, Mechanical time. H. Junghans. 2,153,758; Apr. 11.
Gain control, Automatic. P. O. Farnham. 2,153,747; Apr. 11.
Galvanometer mount for sound recording apparatus. A. G. Zimmerman. 2,154,080; Apr. 11.
Garbage can cover. H. Dunbar. 2,153,916; Apr. 11.
Garment. W. R. Jay. 2,153,838; Apr. 11.
Garment hanger. H. Diener. 2,153,551; Apr. 11.
Garment hanger. B. M. Yankovitch. 2,153,905; Apr. 11.
Gas burner. P. N. Reed. 2,153,938; Apr. 11.
Gas detection apparatus. C. W. Johnson. 2,153,568; Apr. 11.
Gas free from tar and hydrocarbons, Producing water. F. Volk. 2,153,820; Apr. 11.
Gases, Cooling. J. Schierenbeck. 2,153,644; Apr. 11.
Gauge: *See*—
Bite gauge.
Gauge adjuster, Automatic. F. Barney and J. W. Lee. 2,153,860; Apr. 11.
Gauge for plurality of tanks, Contents. C. A. de Giers. 2,154,066; Apr. 11.
Gauge for setting printing press cylinders. S. E. Faught. 2,153,534; Apr. 11.
Gear: *See*—
Speed-reduction gear.
Gear chuck. J. R. Garrison. 2,153,829; Apr. 11.
Gear set. J. M. Weydell. 2,153,856; Apr. 11.
Gearing, Variable hydraulic transmission. D. W. Fletcher. 2,153,796; Apr. 11.
Getter. E. A. Lederer. 2,154,131; Apr. 11.
Girdle and crotch member. R. W. Spain. 2,154,253; Apr. 11.
Glass, Laminated. W. H. Moss. 2,153,585; Apr. 11.
Glass panes in window frames, Device for securing. J. Marchbank. 2,153,635; Apr. 11.
Glove for restraining wrist motion. H. J. Callaway. 2,154,197; Apr. 11.
Glycerin, Recovery of. K. Werner. 2,153,704; Apr. 11.
Golf club. G. E. Barnhart. 2,153,880; Apr. 11.
Golf shaft. R. A. Cowdery. 2,153,550; Apr. 11.
Grasshopper trap. H. O. Elane. 2,153,713; Apr. 11.
Grease, Barium. T. F. Ott, P. S. Clarke, and C. H. Van Marter. 2,154,383; Apr. 11.
Guard, Sucker-rod. D. R. Anderson. 2,153,787; Apr. 11.
Hack and compass saw frame, Combination. J. M. Up De Graff. 2,154,367; Apr. 11.
Hacksaw frame members, Manufacture of. D. E. Priest. 2,154,009; Apr. 11.
Hair waving apparatus. L. Markel and F. L. Reynolds. 2,153,671; Apr. 11.
Hand loom. E. M. Lewis. 2,153,764; Apr. 11.
Hanger: *See*—
Garment hanger.
Haze meter. G. M. Byram. 2,154,374; Apr. 11.
Headrest, Barber chair. A. Tonning. 2,154,017; Apr. 11.
Heat exchange device, Forming a. J. Karmazin. 2,153,806; Apr. 11.
Heat exchanging apparatus. J. J. Spalding, Jr. 2,153,942; Apr. 11.
Heater: *See*—
Electric heater. Orchard heater.
Fluid heater. Roll heater.
Immersion heater.
Heating apparatus, Mobile orchard. R. H. Taber. 2,153,900; Apr. 11.
Heating appliance, Thermostatically controlled electric. J. J. Gough. 2,154,042–3; Apr. 11.
Heating mechanism, Electric. D. Roberts. 2,154,184; Apr. 11.
Heating system, Hot air gas heater pipe and dome. W. Dolibois. 2,153,915; Apr. 11.
Heddle bar frame. M. M. Payne and H. L. Sifford. 2,154,351; Apr. 11.
Hinge. F. J. Westrope. 2,153,734; Apr. 11.
Hinge and flow valve, Combined. W. C. Groeniger. 2,153,536; Apr. 11.
Hinge, Automobile door. S. B. Atwood. 2,153,541; Apr. 11.
Hobbing machine. O. E. Staples and T. F. Carlin. 2,154,056; Apr. 11.
Hoisting apparatus. B. D. Jerabek. 2,153,803; Apr. 11.
Holder: *See*—
Camera plate holder. Curtain holder.
Chuck or tool holder. Jar holder.
Cigarette holder. Soap holder.
Holder and support for uniform caps, Adjustable insignia or badge. H. Lev. 2,154,210; Apr. 11.
Homogenizing apparatus. S. B. Heath and F. R. Minger. 2,153,537; Apr. 11.
Hosiery. N. Cohn. 2,154,124; Apr. 11.
Hydraulic pump. C. D. Hathcock. 2,154,331; Apr. 11.
Hydrocarbons, Manufacture of gasolinelike. H. B. Cooke. 2,154,064; Apr. 11.
Hydrogen peroxide from barium dioxide and phosphoric acid, Manufacture of. I. Budowski. 2,153,658; Apr. 11.
Ice, Method and apparatus for making dry. J. Kobold. 2,153,629; Apr. 11.
Immersion heater. W. H. Brandt. 2,154,261; Apr. 11.
Implement frame adjusting device. M. Ronning. 2,153,593; Apr. 11.
Indicator: *See*—
Tuning indicator. Vertical speed indicator.
Typographical machine line indicator.
Inductance, Adjustable. P. S. Darnell. 2,154,232; Apr. 11.
Injection engine. H. Fischer. 2,153,618; Apr. 11.
Ink, Printing. E. H. Hillman. 2,154,089; Apr. 11.
Innersole for open shank shoes. M. H. Moore, Jr. 2,154,135; Apr. 11.
Insulating concrete construction. N. V. Hybinette. 2,153,837; Apr. 11.
Insulation, Electrical. H. Rost. 2,154,138; Apr. 11.
Insulation for electrical apparatus. G. A. Albert. 2,153,532; Apr. 11.
Insulator, Electric. H. P. Sleeman. 2,154,387; Apr. 11.
Intelligence, Telegraphic transmission of. R. J. Wise. 2,153,858; Apr. 11.
Internal combustion engine. L. F. Cecil. 2,154,322; Apr. 11.
Internal combustion engine. F. W. Jones. 2,154,095; Apr. 11.
Internal combustion engine. G. S. Kammer. 2,153,805; Apr. 11.
Internal combustion engine. F. P. Porter. 2,154,249; Apr. 11.
Internal combustion engine. I. Sklenar. 2,153,727; Apr. 11.
Internal combustion engine. G. K. Steward. 2,153,598; Apr. 11.
Internal combustion motor. A. B. Shover. 2,153,899; Apr. 11.
Irrigation and drainage tube. F. L. Carswell and O. W. Schmidt. 2,153,789; Apr. 11.
Jack: *See*—
Centering jack. Trailer tongue supporting jack.
Double acting jack.
Jack and making same, Hydraulic. H. R. Rosenberry. 2,153,845; Apr. 11.
Jar holder. P. Stellingwerf. 2,153,943; Apr. 11.
Jar, Oil well. W. L. Foster. 2,153,883; Apr. 11.

Jar, Rotary. W. C. Erwin. 2,153,882; Apr. 11.
Joint: *See*—
Universal joint.
Joints, Making. G. M. Eaton. 2,154,037; Apr. 11.
Keying. G. L. Usselman. 2,153,656; Apr. 11.
Kit, Cooking. C. P. Goerl. 2,154,305; Apr. 11.
Knee protector. W. A. Snyder. 2,154,364; Apr. 11.
Knife. A. Katzinger. 2,153,759; Apr. 11.
Knitted napped pile fabric. H. Fleisher. 2,154,155; Apr. 11.
Knitting machine. M. C. Miller. 2,153,582; Apr. 11.
Knitting machine. H. Richter. 2,154,384; Apr. 11.
Knitting machine. A. Verbeek. 2,153,602; Apr. 11.
Knob attaching device. H. Forsythe. 2,153,919; Apr. 11.
Knob attaching device. I. B. Whinery. 2,153,950; Apr. 11.
Label applying mechanism. G. W. von Hofe. 2,154,222; Apr. 11.
Lamp: *See*—
Battery lamp.
Lark, Mud. H. T. Cory. 2,154,377; Apr. 11.
Latch: *See*—
Vehicle door latch. Window latch.
Latch. W. D. Ferris. 2,153,827; Apr. 11.
Latch. R. F. Peterson. 2,153,937; Apr. 11.
Latch. H. E. Van Voorhees. 2,153,819; Apr. 11.
Latching means for inner drill assemblies, Fluid operated. L. L. Snyder. 2,153,815; Apr. 11.
Leather frame. C. S. Morrison. 2,154,347; Apr. 11.
Leather splitting machine. J. J. Stehling. 2,154,115; Apr. 11.
Lift, Automobile. I. Von K. Hott. 2,153,891; Apr. 11.
Light outside of cold zone, Refrigerator. E. Swedman. 2,153,851; Apr. 11.
Light, Production of pulsatory. C. G. Suits. 2,154,317; Apr. 11.
Lighting fixture. F. C. Winkler. 2,154,296; Apr. 11.
Liner for cartons and making same, Dividing. R. M. Bergstein. 2,154,085; Apr. 11.
Lining for walls of insulated cabinets, Metal. D. E. Hunter. 2,153,868; Apr. 11.
Liquids with liquids, Apparatus for extracting. T. C. Albin. 2,154,144; Apr. 11.
Loader, Car. W. M. Hoose. 2,154,309; Apr. 11.
Lock: *See*—
Alarm and ignition lock. Safety lock.
Elevator door lock.
Locking mechanism for adjustable seats. L. S. Whedon. 2,154,294; Apr. 11.
Loom: *See*—
Hand loom.
Looms, Dagger lifter for. B. H. Bridgman. 2,154,123; Apr. 11.
Looms, Harness connector for. W. H. Bahan. 2,154,119; Apr. 11.
Looms, Take-up mechanism for. J. J. Rosenthal and W. Wasklewicz. 2,154,285; Apr. 11.
Lubricant, Extreme pressure. C. M. Loane and B. H. Shoemaker. 2,154,098; Apr. 11.
Lubricant receiving fitting. G. F. Thomas, F. A. Ross, and J. Bystricky. 2,154,116; Apr. 11.
Machine for and method of forming a spring casing. W. R. Chesley. 2,153,861; Apr. 11.
Machine for attaching balls to cans. T. J. Gorman, Jr. 2,154,071; Apr. 11.
Machine for continuously forming curved wire forms. W. A. Owens and E. A. Otto. 2,153,936; Apr. 11.
Machine for counting votes. C. Simek. 2,154,316; Apr. 11.
Machine for dressing rough surfaces. R. W. Briggs. 2,153,609; Apr. 11.
Machine for making air cleaner filter units. J. A. Anderson and L. G. Hunt. 2,154,081; Apr. 11.
Machine for making pen points. O. W. Laughans. 2,154,243; Apr. 11.
Machine for operating on shoes. J. C. Jorgensen. 2,153,570; Apr. 11.
Machine for rubbing hats. V. Böhm. 2,154,196; Apr. 11.
Machine tool. A. Dorin. 2,154,326; Apr. 11.
Male electric plug, Switch equipped. F. L. Lottridge. 2,153,721; Apr. 11.
Manganese ores, Treating. A. L. Jacobs. 2,154,128; Apr. 11.
Marker and fastening clip, Sweatband. J. Cavanagh. 2,153,611; Apr. 11.
Marker, Skirt. F. Hagner. 2,153,799; Apr. 11.
Marking device for index blanks. T. C. Brown. 2,154,029; Apr. 11.
Marking device for index blanks. H. F. M. Gramann. 2,154,269; Apr. 11.
Marquee, Prefabricated. M. L. Clark. 2,154,394–5; Apr. 11.
Mask for fowl. H. Nadler. 2,154,105; Apr. 11.
Mask, Head. L. B. Fleming and H. E. McIntosh. 2,153,714; Apr. 11.
Match book, Safety. O. V. Johnson. 2,153,925; Apr. 11.
Material and coating therefor, Floor covering. R. H. Pohl. 2,153,723; Apr. 11.
Materials, Method and composition for stripping fibrous. H. B. Channon. 2,153,791; Apr. 11.
Material testing machine. R. R. Moore. 2,154,277; Apr. 11.
Measuring dispenser. E. J. Reisdorf. 2,154,283; Apr. 11.
Measuring instrument. L. K. Swart. 2,153,777; Apr. 11.
Mechanism for water and aircraft, Steering. H. C. Briggs. 2,154,321; Apr. 11.
Mechanism, Supporting. I. M. Coppock. 2,154,323; Apr. 11.
Medicinal container. P. G. Heineman. 2,153,981; Apr. 11.
Metal for drawing and the like, Treating sheet. H. A. Montgomery. 2,153,811; Apr. 11.
Metal silicates, Making alkali. G. R. McDaniel. 2,153,872; Apr. 11.
Metals, Process and apparatus for thermal deposition of. P. Alexander and A. de Dáni. 2,153,786; Apr. 11.
Metalworking. A. Liebergeld. 2,153,839; Apr. 11.
Metalworking machine. F. H. Le Jeune. 2,154,004; Apr. 11.
Meter: *See*—
Haze meter.
Meter connection box. I. F. Kinnard. 2,154,310; Apr. 11.
Metering apparatus, Compensating. E. L. Harder. 2,154,270; Apr. 11.
Micrometer, Electric. H. C. Turner and T. C. Nuttall. 2,154,156; Apr. 11.
Milk products, Processing. C. O. Ball. 2,153,542; Apr. 11.
Mill: *See*—
Counterbalanced stamp mill.
Mineral wool from fusible solids, Apparatus for and forming. C. R. Buss. 2,153,739; Apr. 11.
Mold: *See*—
Adjustable mold.
Molding device. P. O. Koehler. 2,154,169; Apr. 11.
Mop, Wringer. S. P. Vaughn. 2,153,601; Apr. 11.
Mopper for insecticides, Mechanical. J. J. Allen. 2,153,907; Apr. 11.
Motor: *See*—
Electric motor. Tube cleaner motor.
Fluid operated motor. Rotary internal combustion motor.
Internal combustion motor. Wave motor.
Outboard motor.
Motor and making the same, Electric. E. F. Hubacker. 2,153,563; Apr. 11.
Motor control. S. Minneci. 2,154,314; Apr. 11.
Motor, dynamo, and the like, Electric. E. Becker. 2,154,146; Apr. 11.
Motor vehicle. C. J. Smith. 2,154,113; Apr. 11.
Motor vehicle frame. I. G. Eklund. 2,154,154; Apr. 11.
Mower, Multiple gang tractor. J. A. Roseman. 2,153,876; Apr. 11.
Muffler, Oil burner. J. H. McIlvaine. 2,154,133; Apr. 11.
Multiaxle drive vehicle. A. W. Herrington. 2,154,045; Apr. 11.
Musical instrument. E. V. Sanders. 2,153,725; Apr. 11.
Musical instrument. A. S. Terhaar. 2,153,817; Apr. 11.
Navigation apparatus for aircraft. I. Kitroser. 2,153,718; Apr. 11.
Necktie. G. W. Stein. 2,153,650; Apr. 11.
Nut, Deformable self-locking. E. R. Marchou. 2,154,174; Apr. 11.
Nuts, Method and machine for shelling. F. B. and L. D. Romberg. 2,154,412; Apr. 11.
N-vinyl compounds, Producing. W. Reppe, E. Keyssner, and F. Nicolai. 2,153,993; Apr. 11.
Obstetrical receptor pad. R. S. Hirsch. 2,154,332; Apr. 11.
Oil extractor. E. Lawrence. 2,154,339; Apr. 11.
Oil, Lubricating. C. M. Loane. 2,154,096–7; Apr. 11.
Oil removal unit, Power. E. L. Wood. 2,153,878; Apr. 11.
Oil ring. R. J. Marvin. 2,154,342; Apr. 11.
Oils, Lubricating. R. Rosen and R. M. Thomas. 2,153,973; Apr. 11.
Oils, Solvent refining and dewaxing of. J. W. Weir. 2,154,190; Apr. 11.
Oils, Solvent treatment of. J. W. Weir. 2,154,189; Apr. 11.
Olefins, Polymerization of. E. W. Fawcett, R. O. Gibson, and M. W. Perrin. 2,153,553; Apr. 11.
Optical image reproducer. F. Coeterier and M. C. Teves. 2,153,614; Apr. 11.
Orchard heater. W. B. Kerrick. 2,154,002; Apr. 11.
Ores, Beneficiating titaniferous. F. L. Kingsbury and W. Grave. 2,154,130; Apr. 11.
Ore bodies, Prospecting underground. A. Matsubara. 2,153,636; Apr. 11.
Ores, Flotation concentration of. J. E. Hunt. 2,154,092; Apr. 11.
Oscillating piston engine. J. Moraway. 2,154,315; Apr. 11.
Oscillator frequency control system, Automatic. C. Travis. 2,153,779; Apr. 11.
Oscillator, Start-stop tube. K. B. Eller and F. Holborn. 2,154,378; Apr. 11.
Oscillatory drive for sliver receiving cans. B. McGinnis. 2,154,344; Apr. 11.
Outboard motor. W. L. Kissel. 2,153,626; Apr. 11.
Oven heat control. J. H. Grayson. 2,153,886; Apr. 11.
Oven, Underjet-fired coke. G. J. Jackson. 2,154,166; Apr. 11.
Pad: *See*—
Chemical heating pad. Obstetrical receptor pad.
Cooling pad.
Pad for permanent hair waving, Chemical heating. F. L. Reynolds. 2,153,677–8; Apr. 11.

Pads, Fabricating hollow. M. A. Savage. 2,154,217; Apr. 11.
Paint composition. L. E. Mills. 2,153,842; Apr. 11.
Paint composition, Casein. H. A. Scholz. 2,154,362; Apr. 11.
Paint preservation. L. E. Mills. 2,153,841; Apr. 11.
Paint, Water paste. C. Iddings. 2,154,401; Apr. 11.
Panel and method of making. J. J. Whelan. 2,154,143; Apr. 11.
Panel assembly, Curved. G. D. Schermerhorn. 2,153,596; Apr. 11.
Paper and making the same, Dyed. L. W. Porter. 2,153,697; Apr. 11.
Paper clip, Closed spiral. H. D. Randall, 2,153,724; Apr. 11.
Paper products, Manufacture of printed. H. M. Russell and M. H. Sidebotham. 2,153,846; Apr. 11.
Pen, Fountain. A. H. Stenersen. 2,153,651; Apr. 11.
Pen nib. C. Pfanstiehl. 2,154,181; Apr. 11.
Pen points, and sheet stock therefor, Manufacturing. L. J. Most. 2,154,102; Apr. 11.
Pen points, Sheet stock and the manufacture of. L. J. Most. 2,154,103; Apr. 11.
Petroleum emulsions, Resolving. M. De Groote. 2,153,745–6; Apr. 11.
Petroleum emulsions, Resolving. M. De Groote and L. L. Faure. 2,153,744; Apr. 11.
Phase correcting low-pass filter. H. A. Wheeler. 2,153,857; Apr. 11.
Phenols and making same, C-substituted. A. Zinke. 2,154,192; Apr. 11.
Phonograph. W. H. Hutter. 2,154,093; Apr. 11.
Phonograph. L. Z. La Forest. 2,154,048; Apr. 11.
Phonograph, Automatic. C. E. Faust. 2,153,864; Apr. 11.
Phosphorous, Vaporization of. G. W. Burke. 2,153,953; Apr. 11.
Photographs in blue-black tones, Production of. H. Fricke and E. J. Birr. 2,153,619; Apr. 11.
Photographic emulsion, Sensitized. J. D. Kendall. 2,153,930; Apr. 11.
Photographic emulsions, Modifying the sensitivity of. J. D. Kendall. 2,153,929; Apr. 11.
Photographic emulsions, Sensitized. J. D. Kendall. 2,153,928; Apr. 11.
Photographic sensitizing compounds, Production of. M. Barent and J. D. Kendall. 2,153,931; Apr. 11.
Photography and cinematography, Color. J. H. Reindorp. 2,153,698; Apr. 11.
Photovoltaic cell with impedance layer, Copper oxide. E. D. Wilson. 2,154,295; Apr. 11.
Physical and chemical reactions, Apparatus for carrying out. G. de Becze. 2,154,150; Apr. 11.
Pictures, Manufacture of colored photographic. J. Eggert and B. Wendt. 2,153,617; Apr. 11.
Pictures, Method and apparatus for producing swinging dissolve motion. W. Thomas. 2,153,901; Apr. 11.
Pipe: *See*—
Pneumatic conveying pipe.
Pipe. H. O. Choquette. 2,153,955; Apr. 11.
Piston ring remover. F. A. Smith. 2,153,941; Apr. 11.
Pistons, Apparatus for truing. A. B. Fall. 2,153,863; Apr. 11.
Pistons, Treating worn. C. W. Prochaska. 2,153,992; Apr. 11.
Plastic masses onto sheets, Extruding. A. Kampfer. 2,154,333; Apr. 11.
Plate, Foundation. F. F. Mills. 2,153,672; Apr. 11.
Plate, Laminated wooden. G. Kühr. 2,153,715; Apr. 11.
Plate, Lithograph. J. V. R. Shepherd. 2,154,219; Apr. 11.
Plow, Snow. E. C. Ploetz. 2,154,353; Apr. 11.
Plug: *See*—
Male electric plug. Wall and like plug.
Plug and receptacle switch. W. H. Frank. 2,154,238; Apr. 11.
Pneumatic conveying pipe. E. W. Leicht. 2,153,984; Apr. 11.
Post, Sound. E. R. Born. 2,154,025; Apr. 11.
Potential supply system, Bias. P. F. G. Holst. 2,154,091; Apr. 11.
Poultry waterer. S. B. Miller. 2,154,345; Apr. 11.
Powder, Irradiated dusting. G. Stux. 2,153,653; Apr. 11.
Power system. L. S. Cooper. 2,154,303; Apr. 11.
Power, System for the transmission of mechanical. G. H. Schieferstein. 2,154,361; Apr. 11.
Power transmitting means, Making. C. H. Schurr. 2,154,055; Apr. 11.
Pregnanone compounds and producing the same. A. Serini, L. Strassberger, and A. Butenandt. 2,153,700; Apr. 11.
Press: *See*—
Printing press.
Pressing machine. A. F. Hanney. 2,153,690; Apr. 11.
Pressure responsive device. Z. W. Kelley. 2,153,716; Apr. 11.
Printing. O. R. Schultz. 2,153,597; Apr. 11.
Printing machine. A. J. Horton. 2,153,959; Apr. 11.
Printing press, Sheet feed rotary. W. K. Eckhard. 2,153,979; Apr. 11.
Privacy testing system. E. C. Bascom. 2,153,706; Apr. 11.
Protective system for electric power transmission lines. P. Sporn and C. A. Muller. 2,154,114; Apr. 11.
Protector: *See*—
Knee protector.
Pulverized-fuel burner. R. J. C. Bouldrant. 2,154,320; Apr. 11.
Pump: *See*—
Double acting pump. Hydraulic pump.
Rack and handling apparatus, Film. R. C. Mercer. 2,153,810; Apr. 11.
Radiating, transformation and reinforcement system. A. M. Nicolson. 2,153,586; Apr. 11.
Radio direction finder. S. B. Smith and E. Green. 2,153,975; Apr. 11.
Radio receiver, High fidelity. A. P. Montgomery. 2,153,583; Apr. 11.
Radio receiver tuning apparatus. M. Basnicki. 2,154,024; Apr. 11.
Radio system. B. S. McCutchen and C. B. Aiken. 2,153,969; Apr. 11.
Rail and cross-tie assembly. C. H. R. Howe. 2,154,164; Apr. 11.
Rail drilling machine. F. C. Lavarack and B. Schlesinger. 2,154,244; Apr. 11.
Rail supporting and retaining means. J. G. Delfox. 2,154,151; Apr. 11.
Railway signaling. R. R. Kemmerer. 2,153,668; Apr. 11.
Range, Coal. A. R. Pierce. 2,154,008; Apr. 11.
Ratchet and pawl mechanism. E. G. Gartin. 2,153,556; Apr. 11.
Ratchet wrench. E. M. Padgett. 2,153,988; Apr. 11.
Ray deflection apparatus, Cathode. H. O. Roosenstein and H. Hewel. 2,153,643; Apr. 11.
Rayon structures and their preparation. G. P. Hoff and H. H. Parker. 2,154,204; Apr. 11.
Reagent and process for treating petroleum oils. P. R. Hershman. 2,153,560; Apr. 11.
Receiver, Frequency modulation. M. G. Crosby. 2,154,398; Apr. 14.
Receptacle: *See*—
Electrical receptacle.
Receptacle. I. Blechman. 2,153,545; Apr. 11.
Receptacles, Apparatus for filling liquid. E. L. Mayo. 2,154,175; Apr. 11.
Recorder, Electrical. O. Brunnert and E. Severin. 2,154,300; Apr. 11.
Recording mechanism. G. R. Pflasterer. 2,153,675; Apr. 11.
Reel: *See*—
Fishing reel.
Reel for continuously winding threads. H. Duanenberg and P. Saffert. 2,153,685; Apr. 11.
Refractory. R. C. Benner and H. N. Baumann, Jr. 2,154,318; Apr. 11.
Refractory and method of making it. G. J. Easter and K. Brownell. 2,154,153; Apr. 11.
Refractory article. F. W. Higgins. 2,154,271; Apr. 11.
Refrigerating apparatus. D. H. Reeves. 2,154,356; Apr. 11.
Refrigeration. S. M. Bäckström. 2,154,258; Apr. 11.
Refrigerator. H. H. Bixler. 2,154,299; Apr. 11.
Refrigerator. A. A. Vleck. 2,153,682; Apr. 11.
Register. G. C. Coil. 2,153,881; Apr. 11.
Regulator: *See*—
Temperature regulator. Window regulator.
Regulator. R. Ranson. 2,154,354; Apr. 11.
Relay. C. A. Lovell. 2,153,633; Apr. 11.
Relay, Electromagnetic. G. B. Knös. 2,154,338; Apr. 11.
Relay, Polarized. E. J. Pratt. 2,153,641; Apr. 11.
Relays, Method of and apparatus for testing. P. H. Estes. 2,154,379; Apr. 11.
Removable float valve. M. A. Newton. 2,153,812; Apr. 11.
Resilient coupling. E. F. Riesing. 2,154,385; Apr. 11.
Ring: *See*—
Oil ring.
Rivet. A. D. Rhodes. 2,154,012; Apr. 11.
Rod and tubing pulling machine. M. L. Dennis. 2,153,793; Apr. 11.
Roll heater. E. B. Dunkak. 2,153,958; Apr. 11.
Roofing, Flexible cement. H. W. Greider and G. A. Fasold. 2,153,887; Apr. 11.
Rotary internal combustion motor. J. M. Wolf. 2,154,370; Apr. 11.
Rotary well bit. A. C. Catland. 2,154,032; Apr. 11.
Rubber composition and preserving rubber. W. M. Lauter. 2,153,962; Apr. 11.
Rubber hydrohalide, Plasticization of. W. C. Calvert. 2,153,954; Apr. 11.
Safety lock. H. Gudge. 2,153,831; Apr. 11.
Salts of B-methylcholine and acyl derivatives thereof, Production of. G. Roeder. 2,153,591; Apr. 11.
Scaffold. H. S. Goins. 2,153,884; Apr. 11.
Scraper. S. S. Moore. 2,153,897; Apr. 11.
Scraper, Carrier. R. E. Vote. 2,153,781; Apr. 11.
Sculpture, Structural. R. Foster. 2,153,663; Apr. 11.
Seal, Fluid. E. J. Poitras and J. D. Tear. 2,153,774; Apr. 11.
Seal for centrifugal fluid treating apparatus. W. J. Podbielniak. 2,153,640; Apr. 11.
Seal, Shaft. H. Ommundson. 2,153,674; Apr. 11.
Sealing construction. A. T. Colwell and O. M. Burkhardt. 2,154,199; Apr. 11.
Sealing device and sealing. A. Podel. 2,154,409; Apr. 11.

Seat: *See*—
Adjustable seat.
Seat and flush rim, Combined. W. C. Groeniger. 2,154,240; Apr. 11.
Seat for children, Portable sanitary comfort. H. C. Hess 2,153,866; Apr. 11.
Sediment sampler. A. M. Lang. 2,153,894; Apr. 11.
Seed drill. L. J. Pettett. 2,153,991; Apr. 11.
Seeds and the growth of seedlings, Apparatus for the germination of. H. H. B. Lund. 2,153,871; Apr. 11.
Seismograph prospecting. L. W. Gardner. 2,153,920; Apr. 11.
Separator device, Electromagnetic. A. L. J. Queneau. 2,154,010; Apr. 11.
Sewage, Controlling the purification of. E. B. Mallory. 2,154,132; Apr. 11.
Sewing machine thread case, Rotary hook. J. D. Karle. 2,154,403; Apr. 11.
Sewing machines, Feeding mechanism for. A. B. Clayton. 2,154,396; Apr. 11.
Sewing machines, Guard attachment for. M. McCann. 2,154,246; Apr. 11.
Sheets, Manufacture of surfaced felted. O. W. Frost. 2,154,201; Apr. 11.
Shield for windows, Storm. C. A. Grimes. 2,153,798; Apr. 11.
Shock absorbing washer. K. D. Williams. 2,153,605; Apr. 11.
Shoe construction. J. Loufbahn. 2,153,968; Apr. 11.
Shoe insole. T. Gutwein. 2,153,832; Apr. 11.
Shoe upper, Binding a. R. A. Crosby. 2,153,613; Apr. 11.
Shoes, Underbody for. D. F. Herbst. 2,154,241; Apr. 11.
Shuttle. W. E. Lundgren. 2,154,050; Apr. 11.
Sifter, Flour. C. Andrews and W. Hannon. 2,153,879; Apr. 11.
Sign: *See*—
Advertising sign. Display sign.
Changeable sign.
Sign box. W. F. Reisiger. 2,154,251; Apr. 11.
Signal amplifier. E. C. Freeland. 2,154,327; Apr. 11.
Signal device for storage tanks. J. A. Logan. 2,154,005; Apr. 11.
Signal receiving system, Continuous wave. W. R. Koch. 2,154,073; Apr. 11.
Signaling arm. M. C. Margarian. 2,153,634; Apr. 11.
Signaling device. C. W. Heineman and E. B. Thomas. 2,153,754; Apr. 11.
Signaling device. C. F. Scheel and F. A. Gessler. 2,154,360; Apr. 11.
Signaling system. G. C. Cummings. 2,154,230; Apr. 11.
Signaling system, Wave. M. L. Levy. 2,154,311; Apr. 11.
Signaling, Ultra high frequency. G. C. Southworth. 2,153,728; Apr. 11.
Siphon breaker. E. C. Wilson. 2,153,904; Apr. 11.
Ski, Snow. W. F. Westphal. 2,154,019; Apr. 11.
Ski, Water. R. H. Schaupp. 2,153,939; Apr. 11.
Skiving machine. F. W. Backus. 2,153,608; Apr. 11.
Slab construction, Concrete. C. W. Akers. 2,154,390; Apr. 11.
Slabs, Making reinforced hollow. W. H. Cobi. 2,153,741; Apr. 11.
Slip. J. G. Howland. 2,153,836; Apr. 11.
Slip assembly. J. D. Nixon. 2,153,770; Apr. 11.
Slug casting machine, Typographical. J. E. Billington and R. H. Scott. 2,153,912; Apr. 11.
Soap holder. M. Margolith. 2,153,840; Apr. 11.
Socket, Electric lamp. B. F. Muldoon and O. C. Britsch. 2,154,247; Apr. 11.
Soil moving machine, Automatic reversible. E. V. Collins. 2,153,824; Apr. 11.
Solvent and dewaxing mineral oils. D. S. McKittrick and H. J. Henriques. 2,153,895; Apr. 11.
Solvent refining of oils. E. A. Bösing. 2,154,372; Apr. 11.
Sound finder. R. W. Mandl. 2,153,933; Apr. 11.
Sound recording apparatus. I. H. Goldman. 2,153,751; Apr. 11.
Sound recording system. G. L. Dimmick. 2,154,067; Apr. 11.
Spectacle temple mounting. F. W. Lindblom. 2,154,382; Apr. 11.
Speed-reduction gear. M. Birkigt. 2,154,319; Apr. 11.
Speed varying mechanism. J. Verderber and E. F. Batterman. 2,153,997; Apr. 11.
Spinning machine, Rayon. J. B. Dove. 2,154,304; Apr. 11.
Spinning process, Centrifugal. T. H. Byron. 2,153,823; Apr. 11.
Sprayer, Cement. I. R. Henderson. 2,154,308; Apr. 11.
Spraying apparatus for use with printnig presses. A. D. Della Chiesa and L. P. Froehlich. 2,153,548; Apr. 11.
Spraying device, Nonoffset. F. W. Seybold. 2,154,363; Apr. 11.
Stabilized unit in ship structures and the like. T. Waller. 2,153,877; Apr. 11.
Stand: *See*—
Barbecue stand. Display stand.
Stand for musical instruments, Folding. B. E. Walberg. 2,153,821; Apr. 11.
Staple strip and preparing the same. C. B. Goodstein. 2,154,306; Apr. 11.
Stapling device and method. E. R. Posnack. 2,153,874; Apr. 11.
Stapling machine. L. A. Thomson. 2,154,366; Apr. 11.
Starch, Tabling mill. E. F. Schroeder. 2,154,078; Apr. 11.
Starter control, Engine. J. B. Dyer. 2,153,826; Apr. 11.
Stay for pan sets. J. G. Jackson. 2,153,757; Apr. 11.
Steam boiler. J. H. Rohrer. 2,153,592; Apr. 11.
Steels, Heat treating chromium-containing corrosion and/or heat resisting. R. H. Aborn and J. J. B. Rutherford. 2,153,906; Apr. 11.
Steering means. T. L. Cowles. 2,153,862; Apr. 11.
Step, Foldable. G. Linstead and C. R. Polstra. 2,153,946; Apr. 11.
Step, Railroad passenger car. K. F. Nystrom. 2,154,107; Apr. 11.
Step, Trailer. W. V. Thelander. 2,153,945; Apr. 11.
Stop, Detachably coupled end. D. Marinsky. 2,154,099; Apr. 11.
Stop mechanism for typewriters. J. F. Koca. 2,153,630; Apr. 11.
Strainer. A. L. Freedlander. 2,153,664; Apr. 11.
Strand handling apparatus. J. N. Selvig. 2,153,996; Apr. 11.
Stretcher, Brake lining. E. R. Sinclair. 2,154,015; Apr. 11.
Sucker rod jerk absorber. B. H. Stevens. 2,153,816; Apr. 11.
Sulphur, Solidifying. B. A. Axelrad and D. A. Brooks. 2,154,257; Apr. 11.
Support for power implements and units, Transportable. C. Jackson. 2,154,208; Apr. 11.
Supporting means for signs. W. F. Reisiger. 2,154,250; Apr. 11.
Supporting structure for radio indicating and control apparatus. R. C. Marholz. 2,154,406; Apr. 11.
Surfaces, Generating curved. C. H. Schurr. 2,154,054; Apr. 11.
Suture. F. W. Hames. 2,153,889; Apr. 11.
Swab, Well. B. E. Parrish. 2,153,843; Apr. 11.
Switch: *See*—
Plug and receptacle switch. Vehicle signal switch.
Switch. W. H. Frank and J. A. Messing. 2,154,236; Apr. 11.
Switching system and apparatus, Automatic. E. E. Kleinschmidt and D. S. Hulfish. 2,153,574; Apr. 11.
Syringe and cartridge therefor, Hypodermic. J. A. Saffir. 2,153,594; Apr. 11.
Table and leaf construction. D. Dillion. 2,154,125; Apr. 11.
Tank: *See*—
Fluid tank.
Tape feed controlling mechanism. A. D. Eitzen. 2,153,552; Apr. 11.
Tape forming and separating apparatus, Rubber. S. W. Alderfer. 2,154,371; Apr. 11.
Television scanner. F. Schröter. 2,153,646; Apr. 11.
Temperature regulating system, Automatic. C. E. Armstrong. 2,153,859; Apr. 11.
Temperature regulator, Automatic. I. V. Brumbaugh. 2,154,030; Apr. 11.
Tension adjusting device. C. S. Andersen. 2,153,705; Apr. 11.
Tent and support therefor, Hammock. E. Charlop and N. G. Horwitt. 2,153,547; Apr. 11.
Thermometer. R. E. Gordonier and H. L. Fischer. 2,153,830; Apr. 11.
Thimble stick attachment. A. N. King. 2,154,337; Apr. 11.
Thiones and selenones, Manufacture of. J. D. Kendall. 2,154,334; Apr. 11.
Tie, Four-in-hand. J. M. Walsh. 2,153,683; Apr. 11.
Tile, Building. N. A. Noce. 2,154,213; Apr. 11.
Timer. L. J. Armstrong. 2,153,540; Apr. 11.
Tire, Traction. N. C. Cuddeback and B. R. Benjamin. 2,154,035; Apr. 11.
Tire valve. S. T. Williams. 2,154,255; Apr. 11.
Tires, Manufacture of pneumatic. L. S. M. Lejeune. 2,153,965; Apr. 11.
Tobacco spreader for cigarette-making machines. P. J. Herrmann. 2,153,982; Apr. 11.
Toilet, Water saving. A. T. Beaver. 2,154,259; Apr. 11.
Tone-signaling and impulsing, System of. R. Trechciński. 2,153,654; Apr. 11.
Tongs, Spinning. J. C. Aycock. 2,154,145; Apr. 11.
Tool: *See*—
Bending tool. Machine tool.
Tool driving mechanism, Machine. J. R. Johnson. 2,153,567; Apr. 11.
Tool holding fixture, Rotary. G. R. Scott. 2,153,898; Apr. 11.
Tools in a well, Means to orient. J. C. Hewitt, Jr., and V. E. Kuster. 2,154,162; Apr. 11.
Tooth brush. S. F. Fitzgerald. 2,153,554; Apr. 11.
Tooth brush. H. C. Peterson. 2,154,352; Apr. 11.
Tooth brush and sipper, Combination. J. Kohn. 2,154,209; Apr. 11.
Toy, Action. W. O. Yancey. 2,154,297; Apr. 11.
Toy, Jumping. J. Davis. 2,153,957; Apr. 11.
Toy, Mechanical. W. Bold. 2,154,121; Apr. 11.
Toy movies device. A. R. Bunting. 2,154,031; Apr. 11.
Toy railroad coach, Lighted. L. F. and W. W. Kelch. 2,153,983; Apr. 11.
Toy train tie. W. F. Jones. 2,153,625; Apr. 11.

Track, Railroad. W. F. Jones. 2,153,624; Apr. 11.
Traction attachment for vehicles. H. M. Legoff and M. Lait. 2,154,340; Apr. 11.
Traction device. G. E. Krider. 2,154,047; Apr. 11.
Traffic controlling apparatus, Railway. C. W. Failor. 2,154,265; Apr. 11.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 2,154,282; Apr. 11.
Trailer. W. L. Taylor. 2,154,365; Apr. 11.
Trailer construction. C. F. Jones. 2,154,129; Apr. 11.
Trailer tongue supporting jack. W. N. Loughmiller. 2,153,722; Apr. 11.
Trap: *See*—
Grasshopper trap.
Tray for eggs and the like, Filler. L. Benoit. 2,154,193; Apr. 11.
Tray, Ice. D. H. Reeves. 2,154,357; Apr. 11.
Tread for pneumatic tires. C. F. Snyder. 2,154,290; Apr. 11.
Trimming machine. C. A. Brosnan and P. F. Kelleher. 2,154,028; Apr. 11.
Truck, Electric vehicle. W. A. Brecht and F. L. Alben. 2,154,262; Apr. 11.
Tube: *See*—
Condenser tube. Irrigation and drainage tube.
Dissector tube. Vacuum tube.
Drainage tube.
Electron tube.
Tube bender. F. Neukirch. 2,153,935; Apr. 11.
Tube cleaner motor. P. E. Good. 2,154,328; Apr. 11.
Tubes, Making tapered. G. E. Barnhart. 2,154,392; Apr. 11.
Tubing catcher and positive actuating mechanism therefor. W. H. McKissick. 2,153,934; Apr. 11.
Tubing head. S. P. Tschappat. 2,153,852; Apr. 11.
Tubing head and blowout preventer, Combination. A. J. and K. T. Penick. 2,154,408; Apr. 11.
Tune indicating device for stringed musical instruments. F. J. Alyn. 2,153,736; Apr. 11.
Tuning apparatus for radio receivers. A. E. Gersch. 2,153,865; Apr. 11.
Tuning apparatus, Musical instrument. L. B. Holmes. 2,153,800; Apr. 11.
Tuning indication circuit. C. J. van Loon. 2,153,780; Apr. 11.
Tuning indicator, Radio receiver. T. J. Weyers. 2,153,783; Apr. 11.
Tunneling, Subaqueous. F. Donaldson. 2,154,233; Apr. 11.
Typewriter escapement mechanism. J. F. Koca. 2,153,632; Apr. 11.
Typewriter, Noiseless. R. Levi. 2,153,720; Apr. 11.
Typewriters, Removable attachment for. J. F. Koca. 2,153,631; Apr. 11.
Typographical machine line indicator. G. F. Gale. 2,154,267; Apr. 11.
Universal joint. F. W. Sampson. 2,154,077; Apr. 11.
Vacuum cleaner. E. S. Lynger. 2,153,580; Apr. 11.
Vacuum preparation of compounds. W. I. McGowan. 2,153,970; Apr. 11.
Vacuum tube. H. A. Wheeler. 2,154,141; Apr. 11.
Valve: *See*—
Automatic choke valve. Removable float valve.
Fuel-oil control valve. Tire valve.
Hinge and flow valve.
Valve. N. Borresen. 2,154,228; Apr. 11.
Valve. W. H. Hendricks. 2,153,559; Apr. 11.
Valve apparatus. D. D. Goldberg and A. R. Kligman. 2,153,885; Apr. 11.
Valve for hydraulic change-speed devices. A. Kégresse. 2,153,926; Apr. 11.
Valve for torches. G. L. Walker. 2,153,854; Apr. 11.
Valve mechanism. J. Hileman. 2,153,834; Apr. 11.
Valve stem. S. T. Williams. 2,154,254; Apr. 11.
Vane, Directing. K. D. McMahan. 2,154,313; Apr. 11.
Vanity case. L. Esterow and A. Klein. 2,154,235; Apr. 11.
Vapor electric device. W. Damitz. 2,154,264; Apr. 11.
Vapor rectifier, Metal. C. Knappe and A. Siemens. 2,154,274; Apr. 11.
Vegetable or fruit grading and sizing machine. J. R. Fitzgerald. 2,153,688; Apr. 11.
Vegetable washing machine. P. Nicosia. 2,154,106; Apr. 11.
Vehicle: *See*—
Automotive vehicle. Multiaxle drive vehicle.
Motor vehicle.
Vehicle brake. G. C. R. Kuiper. 2,154,171; Apr. 11.
Vehicle construction, Motor. E. T. Gregorie. 2,153,535; Apr. 11.
Vehicle door latch. H. W. Rightmyer. 2,153,699; Apr. 11.
Vehicle signal switch. C. B. Howard. 2,153,621; Apr. 11.
Velocipede. A. L. McGregor. 2,153,766–7; Apr. 11.
Vending apparatus. R. A. Officer. 2,153,694; Apr. 11.
Vending apparatus. G. R. Starnes and C. A. Meichert. 2,154,388; Apr. 11.
Vending machine. J. C. Irwin. 2,154,205; Apr. 11.
Vending mechanism. E. H. T. Bensemann. 2,154,147; Apr. 11.
Venetian blind clamp. E. Johanson. 2,153,893; Apr. 11.
Vent device for hot-water heating apparatus. G. Scoppola. 2,153,726; Apr. 11.
Ventilating apparatus. G. C. Polk. 2,154,410; Apr. 11.
Vibratory system for the transmission and reception of sound waves. F. W. Kallmeyer. 2,153,571; Apr. 11.
Vinegar and making same, High strength cider. V. E. Speas. 2,153,849; Apr. 11.
Vinyl compounds, Stabilization of. S. M. Stoesser. 2,154,389; Apr. 11.
Viscosimeter. D. C. Cline. 2,154,376; Apr. 11.
Voltage regulating circuit. A. F. Grennell. 2,154,239; Apr. 11.
Voltage regulator device. O. E. Dow. 2,154,200; Apr. 11.
Voltage system, Constant. H. E. Young. 2,154,020; Apr. 11.
Voting machine. A. N. Gustavson. 2,154,158; Apr. 11.
Vulcanizer, Electric. E. C. Raney. 2,154,183; Apr. 11.
Wall and like plug. J. J. Rawlings. 2,154,355; Apr. 11.
Warp goods provided with rubber threads. P. Schönfeld. 2,153,645; Apr. 11.
Washer: *See*—
Shock absorbing washer.
Washer and drier, Combination floor. J. L. Deegan, Sr. 2,153,686; Apr. 11.
Watch cover. A. Wewetzer. 2,154,225; Apr. 11.
Water and steam generating device, Combined hot. W. Kiss. 2,153,717; Apr. 11.
Water treatment. H. N. Jenks. 2,154,167; Apr. 11.
Watering device. F. Devary and M. Wise. 2,154,152; Apr. 11.
Wave motor. C. E. Cook. 2,154,397; Apr. 11.
Weighing machine. F. Tidswell. 2,153,948; Apr. 11.
Wheel cylinder adjustment device for brakes, Automatic. J. A. Baker. 2,154,082; Apr. 11.
Winding and measuring machine, Multiple. W. C. Classe. 2,153,792; Apr. 11.
Window. W. D. Bayley. 2,153,543; Apr. 11.
Window. H. Hanley and E. Nielsen. 2,154,330; Apr. 11.
Window, Barn. J. M. Mercer. 2,153,873; Apr. 11
Window control unit. G. H. Clement and M. A. Squier. 2,154,229; Apr. 11.
Window latch. E. H. Nabham. 2,153,769; Apr. 11.
Window regulator. B. S. Floraday. 2,153,689; Apr. 11.
Window strip installation and fastener for the same. H. J. Murphy. 2,153,972; Apr. 11.
Windshield cleaner. R. Bulleigh. 2,154,373; Apr. 11.
Wiper, Nonfreezing windshield. H. B. Bell, Jr. 2,153,544; Apr. 11.
Wood from attack by insects and fungi, Protecting. F. H. Lyons. 2,154,173; Apr. 11.
Wrench: *See*—
Automatic wrench. Ratchet wrench.
X-ray apparatus. R. A. Fischer. 2,153,795; Apr. 11.
Yarn, Winding. V. E. Wheeler. 2,153,784; Apr. 11.
Zinc oxide, Treating. H. A. Depew. 2,153,687; Apr. 11.

CLASSIFICATION OF PATENTS

ISSUED APRIL 11, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Air-Maze Corporation, Cleveland, Ohio. Air filtering panels. Serial No. 415,572; Apr. 18. Class 34.

Aluminum Goods Mfg. Co., Manitowoc, Wis. Base metal coffee percolators. Serial No. 412,689; Apr. 18, Class 13.

American Brake Shoe and Foundry Company, The, New York, N. Y. Composition bearings, shaft couplings and slides. Serial No. 416,025; Apr. 18. Class 23.

American Brake Shoe and Foundry Company, doing business as American Brake-blok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Adhesive cement. Serial No. 412,402; Apr. 18. Class 5.

American Brush Corporation, Chicago, Ill. Wheat paste and cold water size for use on walls. Serial No. 406,744; Apr. 18. Class 5.

American Character Doll Co. Inc., New York, N. Y. Dolls. Serial No. 416,827; Apr. 18. Class 22.

American Optical Company, Southbridge, Mass. Ophthalmic mountings and parts thereof. Serial Nos. 415,5367; Apr. 18. Class 26.

American Jewelry Chain Company, Providence, R. I. Jewelry, chains and sautoirs. Serial No. 416,498; Apr. 18. Class 28.

Anemostat Corporation of America, New York, N. Y. Air distributor and diffusers for ventilating systems. Serial No. 414,135; Apr. 18. Class 34.

Aristocrat Packing Company. (See Keeno Packing Company.)

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Hydraulic cement. Serial No. 393,686; Apr. 18. Class 12.

Atlantic Rug Company. (See Bemporad, R. Ferruccio.)

Automatic Gasflux Company, The, Cleveland, Ohio. Chemical agent. Serial No. 403,391; Apr. 18. Class 6.

Automatic Gasflux Company, The, Cleveland, Ohio. Chemical agent. Serial No. 416,240; Apr. 18. Class 6.

Automatic Instrument Company, Grand Rapids, Mich. Combination phonograph and timed electrical circuit closing means for the control of certain mechanical and electrical display means. Serial No. 398,884; Apr. 18. Class 36.

Battle Creek Dog Food Co., Battle Creek Mich. Dog food. Serial No. 403,032; Apr. 18. Class 46.

Baumann, Ludwig, & Company, New York, N. Y. Watches. Serial No. 410,166; Apr. 18. Class 27.

Bean Tire & Rubber Works, San Jose, Calif. Rubber spider. Serial No. 405,307; Apr. 18. Class 23.

Bear Creek Orchards, Medford, Oreg. Fresh deciduous fruits. Serial No. 416,175; Apr. 18. Class 46.

Bellman Brook Bleachery Co., Fairview, N. J. Organdie. Serial No. 409,602; Apr. 18. Class 42.

Bemporad, R. Ferruccio, doing business as Atlantic Rug Company, New York, N. Y. Rugs and carpets. Serial No. 413,468; Apr. 18. Class 42.

Bermingham & Prosser Co., Chicago, Ill. Art papers. Serial No. 415,242; Apr. 18. Class 37.

Birchard, P. T., Seattle, Wash. Trade magazine. Serial No. 415,760; Apr. 18. Class 38.

Bonita Packing Company, Guadalupe, Calif. Fresh vegetables. Serial No. 415,441; Apr. 18. Class 46.

Bowen-Ingalls & Co., Inc., New York, N. Y. Neckties. Serial No. 395,607; Apr. 18. Class 39.

Bower, Clifford J., doing business as Larasol Laboratories, Galesburg, Ill. Antiseptic and mouth wash. Serial No. 416,177; Apr. 18. Class 6.

Brewer & Company, Inc., Worcester, Mass. Capsule indicated in the treatment of vitamin deficiency. Serial No. 416,762; Apr. 18. Class 6.

Bunyan, Paul, Inc., St. Paul, Minn. Hats, jackets, snow suits, etc. Serial No. 409,804; Apr. 18. Class 39.

Buscarlet Glove Company Inc., New York, N. Y. Leather gloves. Serial No. 415,873; Apr. 18. Class 39.

Calmato Distributing Company. (See Metlar, George W.)

Catalin Corporation, New York, N. Y. Resins. Serial No. 416,367; Apr. 18. Class 16.

Century Drug Company. (See Fels, William.)

Chase & Company, Sanford, Fla. Celery. Serial No. 415,766; Apr. 18. Class 46.

Chocolate Products Company, Chicago, Ill. Ingredients for making puddings. Serial No. 415,582; Apr. 18 Class 46.

Cluett, Peabody & Co., Inc., Troy, N. Y. Trousers and shorts. Serial No. 415,325; Apr. 18. Class 39.

Cobbs, Hamilton Company, Des Moines, Iowa. Wall knife holding racks. Serial No. 415,636; Apr. 18. Class 13.

Cohen, Halle, Jacksonville, Fla. Blank books. Serial No. 415,470; Apr. 18. Class 37.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial No. 416,030; Apr. 18. Class 39.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial No. 416,032; Apr. 18. Class 39.

Cohn, H. C., & Co., Rochester, N. Y. Neckties. Serial Nos. 416,038–9; Apr. 18. Class 39.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. Serial No. 416,370; Apr. 18. Class 32.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. Serial No. 416,998; Apr. 18. Class 32.

Community Health Foundation. (See Nightingale, Frank J.)

Continental Radio & Television Corp., Chicago, Ill. Radio circuit unit. Serial No. 415,977; Apr. 18. Class 21.

Continental Shoe Corporation, Boston, Mass. Boots and shoes. Serial No. 415,382; Apr. 18. Class 39.

Cook, A. B., Los Angeles, Calif. Beverages. Serial No. 415,542; Apr. 18. Class 45.

Cooperative Handcrafts Incorporated of Puerto Rico, Santurce, P. R., and New York, N. Y. Underwear, pajamas, slips, etc. Serial No. 415,705; Apr. 18. Class 39.

Cut Flower Food Co., not inc. (See Meyer, August A.)

Daviess County Distilling Company, Inc., The, Owensboro, Ky. Whiskey. Serial No. 416,316; Apr. 18. Class 49.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's suits. Serial No. 411,482; Apr. 18. Class 39.

Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 415,978; Apr. 18. Class 6.

Dickerson & Company, Detroit, Mich. Men's hats. Serial No. 413,473; Apr. 18. Class 39.

Dickman, Hyman, doing business as Olpen Products, Washington, D. C. Antiseptic oil. Serial No. 415,838; Apr. 18. Class 6.

Dodge, Incorporated, Los Angeles, Calif. Tableware. Serial No. 404,296; Apr. 18. Class 28.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Neoprene coated fabrics. Serial No. 413,610; Apr. 18. Class 50.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polyvinyl acetal resins. Serial No. 415,473; Apr. 18. Class 1.

Dustan, F. W., & Son, Clarkston, Wash. Canned fruits, vegetables, and tomato juice. Serial No. 380,761; Apr. 18. Class 46.

Eastern Clay Products, Inc., Elfort, Ohio. Bonding clays. Serial No. 409,029; Apr. 18. Class 1.

Electro Acoustic Products Co., Fort Wayne, Ind. Phonograph and radio combination. Serial No. 403,001; Apr. 18. Class 36.

Emfo Corporation, The, New York, N. Y. Astringents, beauty creams, cold creams, etc. Serial No. 416,056; Apr. 18. Class 6.

Emfo Corporation, The, New York, N. Y. Saponaceous compounds, shaving cream, shaving sticks, etc. Serial No. 416,037–8; Apr. 18. Class 4.

Emfo Corporation, The, New York, N. Y. Astringents, beauty creams, cold creams, etc. Serial No. 416,059; Apr. 18. Class 6.

Eton Corporation, New York, N. Y. Ladies', misses', and girls' hats. Serial No. 415,287; Apr. 18. Class 39.

Etta Perfumes, New York, N. Y. Perfumes, eau de cologne, face powders, etc. Serial No. 401,104; Apr. 18. Class 6.

Euclid Candy Co. of Illinois, Inc., The, Chicago, Ill. Candy. Serial No. 414,174; Apr. 18. Class 46.

Evans Products Company, Detroit, Mich. Valves. Serial No. 401,476; Apr. 18. Class 13.

Evans Products Company, Detroit, Mich. Valve for use in water cooling systems of internal combustion engines. Serial No. 403,243; Apr. 18. Class 26.

Evans Products Company, Detroit, Mich. Grade crossing protectors. Serial No. 403,244; Apr. 18. Class 23.

Evans Products Company, Detroit, Mich. Heaters for motor vehicles. Serial No. 403,246; Apr. 18. Class 19.

Faem Products, Pittsburgh, Pa. Lotions and other preparations for external application. Serial No. 413,824; Apr. 18. Class 6.

Faith, Charles, doing business as Vigro Health Products Company, Cincinnati, Ohio. Alfalfa tea. Serial No. 409,808; Apr. 18. Class 46.

Famous Products Co. (See Neumann, Morton G.)

Federal-Mogul Corporation, Detroit, Mich. Bearing metal alloys and unfinished or partly finished castings and forgings. Serial No. 411,861; Apr. 18. Class 14.

Fels, William, doing business as Century Drug Company, New York, N. Y. Emmenagogue tablets. Serial No. 416,096; Apr. 18. Class 6.

Fels, William, doing business as Century Drug Company, New York, N. Y. Aphrodisiac tablets. Serial No. 416,097; Apr. 18. Class 6.

Felton Chemical Co. Inc., New York, N. Y. Natural and synthetic essential oils and aromatic chemicals. Serial No. 415,710; Apr. 18. Class 6.

Ferst, M. A., Ltd., Atlanta, Ga. Pencils and leads. Serial No. 414,629; Apr. 18. Class 37.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient tires. Serial No. 410,462; Apr. 18. Class 35.

Fischbacher, Christian, Co., St. Gall, Switzerland. Cotton, rayon, and wool. Serial No. 413,665; Apr. 18. Class 42.
Fitzpatrick, W. J., Company, The, Chicago, Ill. Flour. Serial No. 413,705; Apr. 18. Class 46.
Four Penny Products Co., Chicago, Ill. Dandruff remover shampoo and dandruff remover tonic. Serial No. 415,982; Apr. 18. Class 6.
Frito Company, The, Dallas, Tex. Potato chips. Serial No. 414,852; Apr. 18. Class 46.
General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. Serial No. 416,648; Apr. 18. Class 6.
Glaquinto, Daniel, Woodside, N. Y. Adhesive remover preparation. Serial No. 416,507; Apr. 18. Class 6.
Glex Corporation, Wheaton, Ill. Cough squares. Serial No. 415,645; Apr. 18. Class 6.
Glick, Ernest, doing business as Ernest Glick Company, Chicago, Ill. Neckties and mufflers. Serial No. 414,630; Apr. 18. Class 39.
Grant, W. T., Company, New York, N. Y. Enameled steel cooking hollowware. Serial No. 414,993; Apr. 18. Class 13.
Greif, L., & Bro., Inc., Baltimore, Md. Men's suits. Serial No. 414,658; Apr. 18. Class 39.
Gut, Sigbert, doing business as Sigbert Gut, Cortesca Jersey Manufaktur, Zurich, Switzerland. Dresses, underwear, and bathing suits. Serial No. 411,053; Apr. 18. Class 39.
Haspel Bros., Inc., New Orleans, La. Men's suits. Serial No. 411,093; Apr. 18. Class 39.
Heinzerling, Theodore W., doing business as Ruth Elizabeth Apiaries, Queens Village, N. Y. Honey. Serial No. 411,741; Apr. 18. Class 46.
Heller Brothers Company, Newark, N. J. Files. Serial No. 416,064; Apr. 18. Class 23.
Hermes, S. A., Paris, France. Jewelry, precious stones, gold knives, etc. Serial No. 416,562; Apr. 18. Class 28.
Herpolsheimer Company, Grand Rapids, Mich. Women's shoes. Serial No. 414,188; Apr. 18. Class 39.
Hoffman, Louis, New York, N. Y. Yarn. Serial No. 414,737; Apr. 18. Class 43.
Hommel, Wm. H., doing business as The M. Hommel Wine Co., Sandusky, Ohio. Wines. Serial No. 398,620; Apr. 18. Class 47.
Hubbard Shoe Company. (See Weyenberg Shoe Manufacturing Company.)
Hufnagel, Edw. H., doing business as Norma Chemical Company, Mount Vernon, N. Y. Boiler compounds, soot destroyers, and rust solvents. Serial No. 413,090; Apr. 18. Class 6.
Hy-Pure Laboratories, Inc., Cincinnati, Ohio. Laxative in tablet form. Serial No. 416,146; Apr. 18. Class 6.
Independent Pharmacy, Eclectic, Ala. Mustard ointment. Serial No. 416,189; Apr. 18. Class 6.
International Corset Company, Aurora, Ill. Corsets and foundation garments. Serial No. 415,293; Apr. 18. Class 39.
Jacobson, Solomon, doing business as I. Jacobson & Son, Lynbrook, N. Y. Footwear. Serial No. 413,676; Apr. 18. Class 39.
Jantzen Knitting Mills, Portland, Oreg. Swimming suits. Serial No. 415,782; Apr. 18. Class 39.
Jeffreys, George A., doing business as Jeffreys Laboratories, Calcium, N. Y. Calf food. Serial No. 410,509; Apr. 18. Class 46.
Jensen, Georg, & Wendel A/S, Copenhagen, Denmark. Bracelets, brooches, etc. Serial No. 416,067; Apr. 18. Class 28.
Johns-Manville Corporation, New York, N. Y. Monolithic acoustical tile. Serial No. 416,191; Apr. 18. Class 12.
Kaplan, Joseph A., Inc., New York, N. Y. Shower curtains. Serial No. 415,513; Apr. 18. Class 13.
Keeno Packing Company, doing business as Aristocrat Packing Company, South Gate, Calif. Canned dog and cat food. Serial No. 415,895; Apr. 18. Class 46.
Kinney, G. R., Co., Inc., New York, N. Y. Shoes and hosiery. Serial Nos. 402,226–7; Apr. 18. Class 39.
Knox Company, The, Los Angeles, Calif. Preparations for conditions such as may result from high blood pressure. Serial No. 416,804; Apr. 18. Class 6.
Krakaur, Eugene K., Roosevelt, N. Y. Package sealers. Serial No. 408,924; Apr. 18. Class 37.
Lande & Miskend, Inc., New York, N. Y. Underwear, blouses, dresses. Serial No. 415,480; Apr. 18. Class 39.
Larasol Laboratories. (See Bower, Clifford J.)
Lavel Company, Los Angeles, Calif. Brassière girdle, and pantie combination garment. Serial No. 415,654; Apr. 18. Class 39.
Linde Air Products Company, The, New York, N. Y. Oxygen. Serial No. 414,763; Apr. 18. Class 6.
Litsch, George M., Mahanoy City, Pa. Liquid soap and soap cake. Serial No. 416,329; Apr. 18. Class 4.
Lofty G. m. b. H., Zurich, Switzerland. Caps and hats. Serial No. 412,820; Apr. 18. Class 39.
Long, Vernon P., Berkeley, Calif. Film slides and motion picture film. Serial No. 413,953; Apr. 18. Class 26.
Mackintosh, John, & Sons, Limited, Waterside, England. Candy. Serial No. 416,070; Apr. 18. Class 46.
Marchand, Charles, Company, The, New York, N. Y. Perfumes. Serial No. 416,261; Apr. 18. Class 6.
Maritime Oil Company, Houston, Tex. Gasoline, Diesel fuel oils, kerosene, etc. Serial No. 412,002; Apr. 18. Class 15.
Marnon, Edward S., Portland, Oreg. Lift-trucks. Serial No. 408,410; published Apr. 18. Class 19.
Mastin Products, Inc., New York, N. Y. Device impregnated with lotion to be applied to the eyes. Serial No. 415,952; Apr. 18. Class 6.
Mastin Products, Inc., New York, N. Y. Eye lotion. Serial No. 415,953; Apr. 18. Class 6.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation for the treatment of asthma, hay fever, etc. Serial No. 415,660; Apr. 18. Class 6.
Metlar, George W., doing business as Calmato Distributing Company, San Francisco, Calif. Canned tomato paste. Serial No. 416,262; Apr. 18. Class 46.
Meyer, August A., doing business as Cut Flower Food Co., not inc., Maywood, Ill. Composition for strengthening, sterilizing, feeding, and promoting the development of cut plants. Serial No. 416,154; Apr. 18. Class 6.
Mid-States Gummed Paper Co., Chicago, Ill. Veneer paper tape. Serial No. 403,731; Apr. 18. Class 37.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 415,408; Apr. 18. Class 39.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 415,410; Apr. 18. Class 39.
Millinery Merchandising Executives Association, Inc., New York, N. Y. Ladies' hats. Serial No. 415,955; Apr. 18. Class 39.
Monticello Shirt Company, Charlottesville, Va. Union suits, shorts, pajamas, etc. Serial No. 415,460; Apr. 18. Class 39.
Muskegon Manufacturing Company, Inc., Muskegon, Mich. Ladies' overalls, children's overalls, playsuits, etc. Serial No. 414,881; Apr. 18. Class 39.
N. V. Phoenix Brouwerij, Amersfoort, Netherlands. Beer. Serial No. 414,961; Apr. 18. Class 48.
National Oil Marketers Association, Washington, D. C. Magazine. Serial No. 403,608; Apr. 18. Class 38.
Nelson, Julius, Corp., New York, N. Y. Ladies' and misses' coats, suits, and coat and suit combinations. Serial No. 415,225; Apr. 18. Class 39.
Nessler, Charles G., doing business as Charles G. Nessler Company, New York, N. Y. Color rinse for the hair. Serial No. 416,155; Apr. 18. Class 6.
Neumann, Morton G., doing business as Famous Products Co., Chicago, Ill. Incense, liquid perfume, solid perfume, etc. Serial No. 415,995; Apr. 18. Class 6.
Nightingale, Frank J., doing business as Community Health Foundation, San Diego, Calif. Tonic laxative. Serial No. 415,960; Apr. 18. Class 6.
Norma Chemical Company. (See Hufnagel, Edw. H.)
North American Electric Lamp Company, St. Louis, Mo. Electric lamps. Serial No. 415,961; Apr. 18. Class 21.
Northern Paper Mills, Green Bay, Wis. Facial tissue. Serial No. 415,565; Apr. 18. Class 37.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetic material. Serial Nos. 415,734–5; Apr. 18. Class 6.
Olpen Products. (See Dickman, Hyman.)
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated flatware and hollowware. Serial No. 416,655; Apr. 18. Class 28.
O'Rourke Brothers Co., Inc., Paterson, N. J. Paints for use on fabrics. Serial No. 415,088; published Apr. 18. Class 16.
Paraffine Companies, Inc., The, San Francisco, Calif. Paints, paint enamels, lacquers, etc. Serial No. 414,888; Apr. 18. Class 16.
Parrot Speed Fastener Corporation, New York and Long Island City, N. Y. Machine staples. Serial No. 410,494; Apr. 18. Class 13.
Philadelphia Acceptance Corporation, Philadelphia, Pa. Blank forms. Serial No. 415,202; published Apr. 18. Class 37.
Philstan Products Company, Philadelphia, Pa. Slide fasteners. Serial No. 415,349; Apr. 18. Class 13.
Pine, Morton S., Co., The, Cleveland, Ohio. Liquid detergent. Serial No. 414,798; Apr. 18. Class 4.
Pollak, Henry, Inc., New York, N. Y. Straw and felt hat bodies. Serial No. 415,665; Apr. 18. Class 39.
Progress Paint Manufacturing Company, Louisville, Ky. Paint, varnish, and enamel. Serial No. 415,796; Apr. 18. Class 16.
Quaker Chemical Products Corp., Conshohocken, Pa. Oleaginous preparation. Serial No. 416,815; Apr. 18. Class 6.
Quaker Worsted Mills Corporation, Philadelphia, Pa. Yarns. Serial No. 416,015; Apr. 18. Class 43.
Reiser, Edward A., Dayton, Ohio. Egg cookers. Serial No. 415,351; Apr. 18. Class 13.
Remington Rand Inc., Buffalo, N. Y. Typewriters and parts thereof. Serial No. 416,339; Apr. 18. Class 23.
Riverbank Canning Company, Riverbank, Calif. Canned tomato paste, fish, vegetables, etc. Serial No. 407,330; Apr. 18. Class 46.
Robb, Frank B., doing business as Triad Manufacturing Company, Chagrin Falls, Ohio. Children's combination desk and peg and nailing design play sets. Serial No. 416,967; Apr. 18. Class 22.
Roche-Organon, Inc., Nutley, N. J. Medicinal preparations. Serial No. 416,746; Apr. 18. Class 6.
Rosenburg, Alfred, Asbury Park, N. J. Theatrical costumes. Serial No. 415,188; Apr. 18. Class 39.

Rubatex Products, Inc., New York, N. Y. Gas expanded rubber. Serial No. 387,632; Apr. 18. Class 1.
Ruppert, Jacob, New York, N. Y. Ale. Serial No. 414,043; Apr. 18. Class 48.
Ruth Elizabeth Apiaries. (See Heinzerling, Theodore W.)
Schering Corporation, Bloomfield, N. J. Medicinal preparation. Serial No. 416,921; Apr. 18. Class 6.
Schild, A., S. A., Grenchen, Switzerland. Watch movements. Serial No. 414,171; Apr. 18. Class 27.
Schlesinger Bros., Philadelphia, Pa. Wallets. Serial No. 416,073; Apr. 18. Class 3.
Schlesische Zellwolle Aktiengesellschaft, Hirschberg/Riesengebirge, Germany. Textile fibers. Serial Nos. 411,971–2; Apr. 18. Class 1.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, bloomers, etc. Serial No. 415,797; Apr. 18. Class 39.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braid. Serial No. 414,980; Apr. 18. Class 40.
Scott, Henry L., Company, Providence, R. I. Tension, compression, and fatigue testing machines. Serial No. 416,017; Apr. 18. Class 26.
Schrader, J., Company, Cleveland, Ohio. Electric bed lamps. Serial No. 415,278; Apr. 18. Class 21.
Sealco By-Products Company, Inc., Bluefield, W. Va. Silver polish, lens polish, etc. Serial No. 414,926; Apr. 18. Class 4.
Sears, Roebuck and Co., Chicago, Ill. Seat covers. Serial No. 415,189; Apr. 18. Class 19.
Sears, Roebuck and Co., Chicago, Ill. Cleansing tissues. Serial No. 415,416; Apr. 18. Class 37.
Sears, Roebuck and Co., Chicago, Ill. Men's summer suits. Serial No. 415,917; Apr. 18. Class 39.
Sherwood Brothers Incorporated, Baltimore, Md. Automatic fuel oil burners. Serial No. 416,389; Apr. 18. Class 34.
Shipman, Louis, & Baker Co., New York, N. Y. Women's coats. Serial No. 414,277; Apr. 18. Class 39.
Snell-Jones Tack Corporation, Brockton, Mass. Glaziers' points. Serial No. 416,208; Apr. 18. Class 13.
Speare Glove Company, Gloversville, N. Y. Leather gloves. Serial No. 415,306; Apr. 18. Class 39.
Stratos, Dan D., Mansfield, Ohio. Lemon beverage, or a lemon concentrate, or syrup, for making the same. Serial No. 413,603; Apr. 18. Class 45.
Summers, Andrew G., Portales, N. Mex. Medicinal preparation. Serial No. 416,129; Apr. 18. Class 6.
Sunrise Distributing Company, The, Cleveland, Ohio. Beer and ale. Serial No. 416,020; Apr. 18. Class 48.
Sunshine State Hatcheries Inc., Sioux Falls, S. Dak. Feeds. Serial No. 413,604; Apr. 18. Class 46.
Swan-Finch Oil Corporation, New York, N. Y. Lubricating oils and greases. Serial No. 416,393 Apr. 18. Class 15.
Tennex Company, The, San Francisco, Calif. Fudge and cake icing mix. Serial No. 416,210; Apr. 18. Class 46.
Timken Roller Bearing Company, The, Canton, Ohio. Steel in the form of billets. Serial No. 412,396; Apr. 18. Class 14.
Tire and Rim Association, Inc., The, Cleveland, Ohio. Vehicle wheels, and rims therefore. Serial No. 416,211–2; Apr. 18. Class 19.
Titan Co. A/S, Fredrikstad, Norway. Oxides, hydroxides, and other salts of metals. Serial No. 414,243–4; Apr. 18. Class 6.
Tobin Packing Company Incorporated, The, Fort Dodge, Iowa. Cooked ham. Serial No. 414,804; Apr. 18. Class 46.
Toledo Tire Corporation, Toledo, Ohio. Pneumatic tires and tubes. Serial No. 416,672; Apr. 18. Class 35.
Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware and hollowware. Serial No. 416,927; Apr. 18. Class 28.
Townsend, W. S., Miami Beach, Fla. Games. Serial No. 416,588; Apr. 18. Class 22.
Trabert & Hoeffer Inc., New York, N. Y. Cat's-eyes. Serial No. 415,272; Apr. 18. Class 28.
Triad Manufacturing Company. (See Robb, Frank B.)
Trimfoot. (See Wizard Lightfoot Appliance Co.)
Trippe Manufacturing Company, Chicago, Ill. Electric head lamps. Serial No. 415,971; Apr. 18. Class 21.
Tru Test Marketing & Merchandising Corp., Chicago, Ill. Lacquer, putty, touch-up enamel, automobile polish and auto wax. Serial No. 414,132; Apr. 18. Class 16.
United Cigar-Whelan Stores Corporation, New York, N. Y. Playing cards. Serial No. 416,394; Apr. 18. Class 22.
United Elastic Corporation, Easthampton, Mass. Rubber thread. Serial No. 416,002; Apr. 18. Class 43.
Vanity Corset Company, Inc., New York, N. Y. Corsets, corselets, girdles, etc. Serial No. 414,974; Apr. 18. Class 39.
Vigro Health Products Company. (See Faith, Charles.)
Viking Steel Corporation, New York, N. Y. Steel. Serial No. 414,476; Apr. 18. Class 14.
Voogt, C. E., Candy Co., Chicago, Ill. Chocolate coated candy. Serial No. 415,530; Apr. 18. Class 46.
Wagner's, W. T., Sons Company, The, Cincinnati, Ohio. Soft drinks, carbonated beverages, and syrups for making same. Serial No. 416,491; Apr. 18. Class 45.
Weitz, S., & Company, Inc., Cleveland, Ohio. Coats. Serial No. 412,837; Apr. 18. Class 39.
Wender & Goldstein, Inc., New York, N. Y. Men's uniforms. Serial No. 413,325; Apr. 18. Class 39.
Western Shade Cloth Co., The, Chicago, Ill. Window shades and rollers. Serial No. 416,276; Apr. 18. Class 32.
Weyenberg Shoe Manufacturing Company, doing business as Hubbard Shoe Company, Milwaukee, Wis. Leather shoes for juveniles. Serial No. 415,431; Apr. 18. Class 39.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oil burners. Serial No. 415,617; Apr. 18. Class 34.
Wilmington Chemical Corporation, Wilmington, Del. Chemical raw material. Serial No. 413,056; Apr. 18. Class 1.
Wilmington Chemical Corporation, Wilmington, Del. Chemical raw material. Serial No. 413,058; Apr. 18. Class 1.
Wizard Lightfoot Appliance Co., doing business as Trimfoot, St. Louis, Mo. Shoe polishes, cleaners, and creams. Serial No. 409,797; Apr. 18. Class 4.
Woodstock Rubber Company Limited, The, Woodstock, Ontario, Canada. Boots, shoes, and slippers. Serial No. 402,659; Apr. 18. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Aeroplane Spinner Mfg. Co. (See Scanlan, Elizabeth S.)
American Beauty Macaroni. (See Kansas City Macaroni Importing Co.)
American Cabinet Hardware Corp., Rockford, Ill. Angle irons, back flaps, bed fasteners, etc. 366,512; Apr. 18; Serial No. 385,275; published Feb. 7, 1939. Class 13.
American Cabinet Hardware Corp., Rockford, Ill. Angle irons, back flaps, bed fasteners, etc. 366,513; Apr. 18; Serial No. 385,278; published Feb. 7, 1939. Class 13.
American Conduit Manufacturing Company, The, Pittsburgh, Pa., assignor to The Wiremold Company, Hartford, Conn. Electrical-wiring conduits. 126,508; renewed Sept. 16, 1939.
American Crayon Company, The, Sandusky, Ohio. Marking crayons. 366,563; Apr. 18; Serial No. 412,993; published Feb. 7, 1939. Class 37.
Anderson, Charles G., New York, N. Y. Table game. 366,540; Apr. 18; Serial No. 411,438; published Feb. 7, 1939. Class 22.
Arango y Arango, Tampo, Fla. Cigars. 366,535; Apr. 18. Serial No. 410,856; published Feb. 7, 1939. Class 17.
Arkansas Soft Pine Bureau, Little Rock, Ark. Lumber, woodwork, paneling, etc. 366,617; Apr. 18. Class 12.
Aronowitz, Louis D., doing business as Royal Canadian Tobacco Company, Toronto, Ontario, Canada. Cigarettes, cigars, etc. 366,613; Apr. 18. Class 17.
Atkins, Kroll & Co., San Francisco, Calif. Canned fish. 366,518; Apr. 18; Serial No. 399,494; published Feb. 7, 1939. Class 46.
Babbitt, B. T., Inc., New York, N. Y. Cleanser. 366,515; Apr. 18; Serial No. 393,361; published Feb. 7, 1939. Class 4.
Berry Bros. & Co., London, England. Wines. 366,557; Apr. 18; Serial No. 412,795; published Feb. 7, 1939. Class 47.
Bloomsburg Silk Mill, New York, N. Y. Rayon piece goods. 366,562; Apr. 18; Serial No. 412,938; published Feb. 7, 1939. Class 42.
Blue Seal Extract Company, Cambridge, Mass. Food flavors. 366,516; Apr. 18; Serial No. 396,116; published Feb. 1, 1938. Class 46.
Borg-Warner Corporation, Detroit, Mich. Air heating, circulating, cleaning, and humidifying units and parts thereof. 366,600; Apr. 18. Class 34.
Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Face-powder. 125,930; renewed July 15, 1939.
Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Rouge. 126,133; renewed July 29, 1939.
Brown, John S., & Sons, Limited, Belfast, Ireland, to John S. Brown & Sons, Limited, Belfast, Northern Ireland. Articles made of cotton and linen. 125,721; renewed June 10, 1939.
Burke & James, Inc., Chicago, Ill. Switches for controlling photographic lighting systems, etc. 366,599; Apr. 18. Class 21.
Burnett, Green L., doing business as Burnett Baking Co., Greenville, Tex. Bread. 366,602; Apr. 18. Class 46.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Maltless coffee beverage. 366,559; Apr. 18; Serial No. 412,851; published Feb. 7, 1939. Class 45.
Cave Springs Distillery Corporation, Inc., Wilder, Newport, Ky. Distilled alcoholic liquors. 366,536; Apr. 18; Serial No. 410,879; published Feb. 7, 1939. Class 49.

Charleston Milling Company, Charleston, W. Va. Corn meal. 366,519; Apr. 18; Serial No. 401,644; published Feb. 7, 1939. Class 46.
Citraland Farms. (See Everhard, Clay.)
Cleveland Tractor Company, The, Euclid, to The Cleveland Tractor Company, Cleveland, Ohio. Tractors and parts thereof. 126,401; renewed Aug. 26, 1939.
Colvin, Oliver D., Seattle, Wash. Automobile carrier attachment. 366,610; Apr. 18. Class 19.
Congleton, Ray T. (See Selectric Products Corp., assignor.)
Consolidation Coal Company, New York, N. Y. Coal. 366,575; Apr. 18; Serial No. 413,393; published Feb. 7, 1939. Class 1.
Crompton Company, assignor to Crompton Company, Crompton, R. I. Corduroys. 126,520; renewed Sept. 16, 1939.
Crutchfield, Geo. K., Jr., doing business as Knox Crutchfield, Lynnwood, Va. Prepared corn meal. 366,614; Apr. 18. Class 46.
Cutler Metal Products Company, Camden, N. J. Automobiles. 366,539; Apr. 18; Serial No. 411,372; published Feb. 7, 1939. Class 19.
Daniel, Hugh C. (See Rackin, A. L., Hugh C. Daniel, and P. S. Foster.)
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Cog belts. 366,609; Apr. 18. Class 35.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Industrial heating crucibles and heat treating furnaces and quenches. 366,532; Apr. 18; Serial No. 409,388; published Feb. 7, 1939. Class 34.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Flexible tubing for ventilation. 366,565; Apr. 18; Serial No. 413,115; published Feb. 7, 1939. Class 34.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Automotive paint cleaners and fabric cleaning fluids. 366,566; Apr. 18; Serial No. 413,118; published Feb. 7, 1939. Class 4.
Duval Planing Mill Company, The, Jacksonville, Fla. Doors. 366,556; Apr. 18; Serial No. 412,758; published Jan. 24, 1939. Class 12.
Eagle Mattress Co., Inc., Boston, Mass. Mattresses. 366,576; Apr. 18; Serial No. 413,394; published Feb. 7, 1939. Class 32.
Ely & Walker Dry Goods Company, St. Louis, Mo. Fabrics. 124,962; renewed Apr. 1, 1939.
Everhard, Clay, doing business as Citraland Farms, Pharr, Tex. Fresh citrus fruits. 366,615; Apr. 18. Class 46.
Excelsior Steel Furnace Company, The, Chicago, Ill. Furnaces, stokers, etc., and parts thereof. 366,558; Apr. 18; Serial No. 412,806; published Feb. 7, 1939. Class 34.
Fairfacts Company, Inc., The, Trenton, N. J., and New York, N. Y. Bathroom accessories. 366,604; Apr. 18. Class 13.
Faust Macaroni Company. (See Kansas City Macaroni & Importing Co.)
Feasel, Harry L., deceased; to Rebecca B. Feasel, executrix, New York, N. Y. Automobile and furniture polish. 124,703; renewed Mar. 11, 1939.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 126,154; renewed July 29, 1939.
Federal Snap Fastener Corporation, New York, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap-fasteners and placket-fasteners. 126,417–18; renewed Aug. 26, 1939.
Finch, Joseph S., and Company, New York, N. Y., and Schenley, Pa. Gin, whiskey, rum, etc. 366,577; Apr. 18; Serial No. 413,396; published Feb. 7, 1939. Class 49.
Fisher Scientific Company, Pittsburgh, Pa. Embedding material. 366,603; Apr. 18. Class 44.
Florida Citrus Exchange, Tampa, Fla. Citrus fruits. 366,593; Apr. 18; Serial No. 413,706; published Feb. 7, 1939. Class 46.
Foster, P. S. (See Rackin, A. L., Hugh C. Daniel, and P. S. Foster.)
Frigid Process Company. (See Rasmusson, Marlin B.)
Gates, Frank D., doing business as Rockwell Laboratory, Kansas City, Mo. Preparation for cleaning the hair and fur of animals. 366,538; Apr. 18; Serial No. 411,261; published Jan. 31, 1939. Class 4.
Gempp, Edwin S., St. Louis, Mo. Bread. 366,597; Apr. 18; Serial No. 414,067; published Feb. 7, 1939. Class 46.
Goodrich, B. F., Company, The, New York, N. Y. Conveyer-belts. 124,711; renewed Mar. 11, 1939.
Graham Paper Company, St. Louis, Mo. Paper napkins. 366,537; Apr. 18; Serial No. 410,955; published Feb. 7, 1939. Class 37.
Grand Forks Seed Company, Grand Forks, N. Dak. Poultry feeds. 366,570; Apr. 18; Serial No. 413,223; published Feb. 7, 1939. Class 46.
Gray, A. A., doing business as Gray Laboratories, Seattle, Wash. Plastic cushions for loose dental plates. 366,596; Apr. 18; Serial No. 413,779; published Feb. 7, 1939. Class 44.
Great China Food Products Co., The, Chicago, Ill. Bean sprouts, chop suey vegetables, fried noodles, etc. 366,531; Apr. 18; Serial No. 409,124; published Feb. 7, 1939. Class 46.
Green, H. L., Company, Inc., New York, N. Y. Infants' wear. 366,560; Apr. 18; Serial No. 412,857; published Jan. 31, 1939. Class 39.
Haloid Company, The, Rochester, N. Y. Light sensitive paper and film. 366,527; Apr. 18; Serial No. 407,141; published Feb. 7, 1939. Class 26.
Halsey, Thomas R., doing business as Halsey Canning Company, San Antonio, Tex. Canned vegetables. 366,542; Apr. 18; Serial No. 411,635; published Feb. 7, 1939. Class 46.
Harris, Josephine A., Birmingham, Ala. Dolls. 366,547; Apr. 18; Serial No. 411,993; published Feb. 7, 1939. Class 22.
Harrison, Monroe, Chicago, Ill. Fruit juices and fruit concentrate. 366,589; Apr. 18; Serial No. 413,709; published Feb. 7, 1939. Class 45.
Hoberg Paper Mills, Green Bay, Wis. Paper towels and toilet tissue. 366,554; Apr. 18; Serial No. 412,706; published Feb. 7, 1939. Class 37.
Hollingsworth & Whitney Company. (See Whitaker Paper Company, The, assignor.)
Hooven & Allison Company, The, Xenia, Ohio. Manila rope. 124,834; renewed Mar. 18, 1939.
Horner, George W., & Co. Limited, Chester-le-Street, England. Toffee, chocolate covered toffee, and boiled sweets. 366,550; Apr. 18; Serial No. 412,185; published Feb. 7, 1939. Class 46.
Illinois Meat Company, Chicago, Ill. Tender cooked hams and picnic hams. 366,541; Apr. 18; Serial No. 411,580; published Feb. 7, 1939. Class 46.
Inman, Ulysses A., doing business as Universal Equipment Co., Long Beach, Calif. Machine presses. 366,517; Apr. 18; Serial No. 398,230; published Feb. 7, 1939. Class 23.
Iowa Limestone Company, Des Moines, Iowa. Livestock and poultry food. 366,601; Apr. 18. Class 1.
James Co., Inc., The, Laurinburg, N. C. Watermelons and cantaloupes. 366,564; Apr. 18; Serial No. 413,018; published Feb. 7, 1939. Class 46.
Jensen Creamery Machinery Company, Long Island City, N. Y., to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J. Coolers and ice-cream freezers. 124,848; renewed Mar. 18, 1939.
Johns, H. W., -Manville Co., assignor, by mesne assignments, to Johns-Manville Corporation, New York, N. Y. Boiler and pipe covering. 124,973; renewed Apr. 1, 1939.
Kaiser's Kaffeegeschäft Gesellschaft mit beschränkter Haftung, Viersen, Germany. Maltless beverages. 366,544; Apr. 18; Serial No. 411,782; published Feb. 7, 1939. Class 45.
Kansas City Macaroni & Importing Co., doing business as Faust Macaroni Company and American Beauty Macaroni Company, Kansas City, Mo. Macaroni, spaghetti, and noodles. 366,530; Apr. 18; Serial No. 408,801; published Dec. 13, 1938. Class 46.
Kara Trading Corp., New York, N. Y. Fur skins and pelts. 366,607; Apr. 18. Class 1.
Kay Manufacturing Corporation, New York and Brooklyn, N. Y. Inner spring mattresses and cushions. 366,611; Apr. 18. Class 32.
Keen Drink Mfg. Co., Altus, Okla., to Keen Drink Mfg. Co., Dallas, Tex. Beverage. 125,059; renewed Apr. 8, 1939.
Kress, S. H., and Company, New York, N. Y. Curtain and sash rods, window shades, etc. 366,549; Apr. 18; Serial No. 412,104; published Feb. 7, 1939. Class 32.
Ljusne-Woxna Aktiebolag, Ljusne, Sweden. Bar-iron, pig-iron, and castings and forgings of pig-iron, forge-iron, and steel. 123,528; renewed Nov. 19, 1938.
London House, Ltd., New York, N. Y. Hair, shaving, hand, etc. brushes. 366,608; Apr. 18. Class 29.
Lustre Leathers, Inc., Johnstown, N. Y. Leather. 366,583; Apr. 18; Serial No. 413,586; published Feb. 7, 1939. Class 1.
Many, Blank & Co., Inc., Chicago, Ill. Rum, whiskey, gin, etc. 366,590; Apr. 18; Serial No. 413,719; published Feb. 7, 1939. Class 49.
McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Whiskey. 366,520–1; Apr. 18; Serial Nos. 401,750–1; published Mar. 1, 1938. Class 49.
Merchant's Biscuit Co., The, Denver, Colo., to United Biscuit Company of America, Chicago, Ill., successor. Biscuits, cakes, crackers, etc. 124,976; renewed Apr. 1, 1939.
Michael, Swanson & Brady Produce Company, Kansas City, Mo., and Idaho Falls, Idaho. Potatoes. 366,606; Apr. 18. Class 46.
Midwest Advertising, Inc., Lima, Ohio. Toilet paper. 366,573; Apr. 18; Serial No. 413,271; published Feb. 7, 1939. Class 37.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. 366,523; Apr. 18; Serial No. 406,765; published Feb. 7, 1939. Class 46.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. 366,524–5; Apr. 18; Serial Nos. 406,766–7; published Feb. 7, 1939. Class 46.
National Biscuit Company, New York, N. Y. Whole wheat cereal. 366,584; Apr. 18; Serial No. 413,590; published Feb. 7, 1939. Class 46.
National Cash Register Company, The, Dayton, Ohio. Paper cutting, sorting, and stacking machines, and parts of said machines. 366,552; Apr. 18; Serial No. 412,660; published Feb. 7, 1939. Class 23.

National Cash Register Company, The, Dayton, Ohio. Office furniture. 366,567; Apr. 18; Serial No. 413,136; published Feb. 7, 1939. Class 32.
Neilson, Howard R., doing business as Neilson Chemical Company, Detroit, Mich. Chemical preparation for removing oils, greases, etc. 366,514; Apr. 18; Serial No. 385,422; published Feb. 7, 1939. Class 4.
Norton Company, Worcester, Mass. Heat-refractory products. 125,082–3; renewed Apr. 8, 1939.
Old Dutch Mills, Inc., New York, N. Y. Tea. 366,528; Apr. 18; Serial No. 407,275; published Feb. 7, 1939. Class 46.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 125,474; renewed May 20, 1939.
Pennsylvania Woven Wire Company, Lock Haven, Pa. Screen wire cloth. 366,580–1; Apr. 18; Serial Nos. 413,558–9; published Feb. 7, 1939. Class 13.
Penrith-Akers Manufacturing Co., Minneapolis, Minn. Maltless beverages, and sirups and extracts for making same. 366,574; Apr. 18; Serial No. 413,315; published Feb. 7, 1939. Class 45.
Peters, F. C., Inc., Goulds, Fla. Fresh vegetables and potatoes. 366,569; Apr. 18; Serial No. 413,193; published Feb. 7, 1939. Class 46.
Peters, F. C., Inc., Goulds, Fla. Fresh vegetables and potatoes. 366,571; Apr. 18; Serial No. 413,238; published Feb. 7, 1939. Class 46.
Pfeiffer Chemical Company. (See Warner, Wm. R., & Company, Inc., assignor.)
Powdrell & Alexander, Inc., Danielson, Conn. Curtain materials and curtains made therefrom. 366,585–8; Apr. 18; Serial Nos. 413,642–5; published Feb. 7, 1939. Class 42.
Powdrell & Alexander, Inc., Danielson, Conn. Curtain materials and curtains made therefrom. 366,591; Apr. 18; Serial No. 413,646; published Feb. 7, 1939. Class 42.
Q Company. (See Tenderoni, Inc.)
Rackin, A. L., Hugh C. Daniel, and P. S. Foster, Beverly Hills, Calif. Cards for use in a competitive musical memory game. 366,534; Apr. 18; Serial No. 410,339; published Feb. 7, 1939. Class 22.
Rasmusson, Marlin B., doing business as Frigid Process Company, Sacramento, Calif. Frozen confections. 366,545–6; Apr. 18; Serial Nos. 411,794–5; published Feb. 7, 1939. Class 46.
Reichhold Chemicals Inc., Detroit, and Ferndale Station, Detroit, Mich. Resins and ester gums. 366,594; Apr. 18; Serial No. 413,737; published Feb. 7, 1939. Class 1.
Rice-Stix Dry Goods Company, St. Louis, Mo. Piece goods. 124,991; renewed Apr. 1, 1939.
Richey, Frederick D., Ashville, Ohio. Seed corn. 366,572; Apr. 18; Serial No. 413,245; published Feb. 7, 1939. Class 1.
Roberts Brass Manufacturing Company, The, Detroit, Mich. Pilot lighters. 366,616; Apr. 18. Class 34.
Rockwell Laboratory. (See Gates, Frank D.)
Rogers Peet Company, New York, N. Y. Hosiery for men and boys. 125,513; renewed May 20, 1939.
Royal Canadian Tobacco Company. (See Aronowitz, Louis D.)
Scanlan, Elizabeth S., doing business as Aeroplane Spinner Mfg. Co., Denver, Colo. Fish lures. 366,605; Apr. 18. Class 22.
Schieren, Chas. A., Company, New York, N. Y. Belt dressings and leather preservatives. 366,568; Apr. 18; Serial No. 413,149; published Feb. 7, 1939. Class 4.
Selectric Products Corp., Louisville, Ky., assignor to R. T. Congleton, Cincinnati, Ohio. Exhaust fans, air circulating fans, and portable blower and duct air circulators. 366,526; Apr. 18; Serial No. 406,945; published Feb. 7, 1939. Class 34.
Seneca Falls Manufacturing Co. Inc., assignor, by mesne assignments, to Seneca Falls Machine Co., Seneca Falls, N. Y. Lathes and parts thereof. 126,209; renewed July 29, 1939.
Shafer Bearing Corporation, Chicago, Ill. Anti-friction bearings and parts thereof. 366,578; Apr. 18; Serial No. 413,489; published Feb. 7, 1939. Class 23.
Sheffield Farms Co., Inc., assignor to Sheffield Condensed Milk Company, Inc., New York, N. Y. Evaporated and condensed milk. 126,478; renewed Aug. 26, 1939.
Sic Em Mfg. Co., The, Norwalk, Conn. Scouring paste. 366,548; Apr. 18; Serial No. 412,053; published Feb. 7, 1939. Class 4.
Sklar, J., Manufacturing Co., Brooklyn, N. Y. Surgical, dental, and veterinary instruments. 126,579; renewed Sept. 16, 1939.
Smajkal, Harry F., New York, N. Y. Scientific color mixing apparatus. 366,543; Apr. 18; Serial No. 411,756; published Feb. 7, 1939. Class 26.
Stevens & Thompson Paper Company, New York, N. Y. Paper towels. 366,592; Apr. 18; Serial No. 413,651; published Feb. 7, 1939. Class 37.
Sutton, Le Roy M., DuBois, Pa. Liquid preparation for closing holes in pneumatic tires. 125,101; renewed Apr. 8, 1939.
Swift and Company, Chicago, Ill. Gelatin. 366,579; Apr. 18; Serial No. 413,494; published Feb. 7, 1939. Class 46.
Tenderoni, Inc., also doing business as Q Company, Joliet, Ill. Macaroni. 366,529; Apr. 18; Serial No. 408,551; published Dec. 13, 1938. Class 46.
Therm-O-Ray Corporation, The, New York, N. Y. Short wave apparatus for medical purposes. 366,533; Apr. 18; Serial No. 409,661; published Feb. 7, 1939. Class 44.
United Biscuit Company of America. (See Merchant's Biscuit Co., The.)
United States Smelting and Mining Company, Boston, Mass. Zinc in slabs or pigs. 366,561; Apr. 18; Serial No. 412,931; published Feb. 7, 1939. Class 14.
Universal Equipment Co. (See Inman, Ulysses A.)
Vogel, Max, Bridgeport, Conn. Visible index card holders, and stapling machines, staples, etc. 366,582; Apr. 18; Serial No. 413,573; published Feb. 7, 1939. Class 37.
Waldes Koh-I-Noor, Inc. (See Federal Snap Fastener Corporation, assignor.)
Walgreen Co., Chicago, Ill. Dry cleaning fluid. 366,612; Apr. 18. Class 4.
Warner, Wm. R., & Company, Inc., New York, N. Y., assignor to Pfeiffer Chemical Company, St. Louis, Mo. Medicinal tonic. 126,104; renewed July 22, 1939.
Well Equipment Manufacturing Corporation, Houston, Tex. Unions, thread protectors, gauge cocks, etc. 366,522; Apr. 18; Serial No. 404,501; published Feb. 7, 1939. Class 13.
West Coast Kalsomine Company, Berkeley, Calif. Paints. 366,595; Apr. 18; Serial No. 413,747; published Feb. 7, 1939. Class 16.
Wheeler Osgood Sales Corporation, Tacoma, Wash. Doors. 366,553; Apr. 18; Serial No. 412,683; published Jan. 24, 1939. Class 12.
Wheeler Osgood Sales Corporation, Tacoma, Wash. Plywood and wallboard. 366,555; Apr. 18; Serial No. 412,743; published Jan. 24, 1939. Class 12.
Whitaker Paper Company, The, Cincinnati, Ohio, assignor to Hollingsworth & Whitney Company, Boston, Mass. Paper. 126,501; renewed Aug. 26, 1939.
Wilbert Products Co., Inc., New York, N. Y. Shoe dressing. 366,598; Apr. 18. Class 4.
Wiremold Company, The. (See American Conduit Manufacturing Company, The, assignor.)
Ziegler, H. B., doing business as Ziegler Packing Company, Longview, Tex. Canned vegetables. 366,551; Apr. 18; Serial No. 412,243; published Feb. 7, 1939. Class 46.

LIST OF REGISTRANTS OF LABELS

Armour and Company, Chicago, Ill. Tru-Ham Flavor. For Ham. 52,820; Apr. 18.
Borden Company, The, New York, N. Y. Borden Boulevard Grade A Eggs. For Grade A Eggs. 52,821; Apr. 18.
California Fruit Growers Exchange, Los Angeles, Calif. Dairy Orange Base. For a Dairy Orange Base for Making a Citrus Juice Drink. 52,822; Apr. 18.
California Fruit Growers Exchange, Los Angeles, Calif. Bottlers Orange. For Bottlers Orange. 52,823; Apr. 18.
California Fruit Growers Exchange, Los Angeles, Calif. Pure Orange Juice. For Pure Orange Juice. 52,824; Apr. 18.
California Fruit Growers Exchange, Los Angeles, Calif. Bottler's Lemon. For Bottler's Lemon. 52,825; Apr. 18.
De Met's, Inc., Chicago, Ill. De Met's Turtles. For Candy. 52,826; Apr. 18.
Fesenmeier Brewing Company, Huntington, W. Va. West Virginia. For Ale. 52,827; Apr. 18.
Geisha Robe Co., New York, N. Y. California Styled. For Robes. 52,828; Apr. 18.
Griffith Laboratories, Inc., The, Chicago, Ill. Prague Powder. For a Powder for Use as a Full Boiled Curing Pickle. 52,829; Apr. 18.
Hampden Brewing Company, Willimanset, Mass. Hampden Beer. For Beer. 52,830; Apr. 18.
Hudspeth, George T., Dallas, Tex. Film Ribbon, the "Cellophane" Typewriter Ribbon with the Clean Edge. For Typewriter Ribbons. 52,831; Apr. 18.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Fortified House Paint. For House Paint. 52,832; Apr. 18.
Kemp, E. F., Inc., Somerville, Mass. Salted Nuts. For Salted Nuts. 52,833; Apr. 18.
King Arthur Cigar Fct'y., New Orleans, La. Great State Cigar, Made by King Arthur Cigar Fct'y. For Cigars. 52,834; Apr. 18.
Liane Incorporated, Freeport, Ill. Liane Shampoo. For a Shampoo. 52,835; Apr. 18.
Maneo Breads, Inc., Brooklyn, N. Y. Manischewitz Modern Chalah. For Bread. 52,836; Apr. 18.

Mathieson Alkali Works (Inc.), The, New York, N. Y. H T H. For a Preparation Used as a Germicide, Deodorant, and Disinfectant. 52,837; Apr. 18.
Mesa Citrus Growers, Mesa, Ariz. Red Z, Arizona. For Fresh Citrus Fruit. 52,838; Apr. 18.
Mill Agents and Distributors, Inc., Oakland, Calif. Wite-Flos. For Bathroom Tissue. 52,839; Apr. 18.
National Biscuit Company, New York, N. Y. National Biscuit Shredded Wheat. For a Cereal. 52,840; Apr. 18.
National Sugar Refining Company of New Jersey, The, New York, N. Y. Jack Frost Extra-Fine Powdered Sugar. For Extra Fine Powdered Sugar. 52,841; Apr. 18.
National Sugar Refining Company of New Jersey, The, New York, N. Y. Jack Frost Dark Brown Sugar. For Dark Brown Sugar. 52,842; Apr. 18.
National Sugar Refining Company of New Jersey, The, New York, N. Y. Jack Frost Confectioners Sugar. For Confectioners Sugar. 52,843; Apr. 18.
National Sugar Refining Company of New Jersey, The, New York, N. Y. Jack Frost Light Brown Sugar. For Light Brown Sugar. 52,844; Apr. 18.
North, Earle M., doing business as North Distributing Company, Houston, Tex. Kem Kel. For Cleaning Compound. 52,845; Apr. 18.
Osmic Chemical Company, Brockton, Mass. Shu-Shine Doo-Dabs. For Shoe Cleaners. 52,846; Apr. 18.
Philios, Christie A., Akron, Ohio. Spotless Spot. For Sandwiches. 52,847; Apr. 18.
Pollock Paper & Box Company, Dallas, Tex. Spears Golden Butter. For Butter. 52,848; Apr. 18.
Pontiac Paint & Chemical Works, Inc., New York, N. Y. Big Chief—No Rubbing Wax. For No Rubbing Wax. 52,849; Apr. 18.
Pontia Paint & Chemical Yorks, Inc., New York, N. Y. Chief—Tex Flat Wall Finish. For a Flat Wall Finish. 52,850; Apr. 18.
Seelbach, Maude, doing business as Some Products Company, Chicago, Ill. Someklor. For a Stain Remover and Bleach. 52,851; Apr. 18.
Seminole Paper Corporation, New York, N. Y. Sem Super Soft Tissue 1000 Sheets 4½ x 5. For an All Purpose Tissue. 52,852; Apr. 18.
Some Products Company. (See Seelbach, Maude.)
Testagar Laboratories, Inc., Detroit, Mich. Bar-Tropin. For Medicinal Tablets. 52,853; Apr. 18.
Trouche, Paul E., Charleston, S. C. Real Worth. For Composition Books. 52,854; Apr. 18.
Trouche, Paul E., Charleston, S. C. Real Worth. For Writing Tablets. 52,855; Apr. 18.
Trouche, Paul E., Charleston, S. C. Real Worth. For Note-Book Filler Paper. 52,856; Apr. 18.
Veri-Best Product Co. (See Zamorosky, Anthony L.)
Zamorosky, Anthony L., doing business as Veri-Best Product Co., Latrobe, Pa. Rexo. Powdered Soap Perfect Hand Cleaner. For Powdered Soap. 52,857; Apr. 18.

LIST OF REGISTRANTS OF PRINTS

Anthony Company, Streator, Ill. Anthony Hydraulic. For Hydraulic Hoists for any Make Model or W. B. Chassis. 17,354; Apr. 18.
Brock Industries Inc., Pittsburgh, Pa. Dinky Diner. For Car Bodies, Specially Designed for Dispensing Food. 17,355; Apr. 18.
Curtis, David, doing business as The De-Ce Products Co. of New York (Anestex Laboratories), New York, N. Y. Procaine in Combination With Fruit Acids Sub-Rin (Brand) Triocaine (Brand). For a Local Anesthetic. 17,356; Apr. 18.
De-Ce Products Co. of New York (Anestex Laboratories), The. (See Curtis, David.)
Schiffmann, Emily, doing business as Schiffmann Brothers, Chicago, Ill. Economy. For a Game. 17,357; Apr. 18.
Scholl Mfg. Co. Inc., The, Chicago, Ill. Announcing The New Super-Soft Dr. Scholl's Zino-Pads. For Pads for Corns, Callouses, Bunions, Soft Corns, and Foot Irritations. 17,358; Apr. 18.
Smallhouse, Albert E., Bakersfield, Calif. Smallhouse CO_2 Air Conditioner. For Air Conditioning Units. 17,359; Apr. 18.
Tasty Baking Company, Philadelphia, Pa. For Lunch Tastykake Krimpet. For Cake. 17,360; Apr. 18.
Wisconsin State Brewers' Association, Milwaukee, Wis. They Go Together. For Beer and Cheese. 17,361; Apr. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Consolidation Coal Company. 366,575; Apr. 18; Serial No. 413,393; published Feb. 7, 1939.
Food, Livestock and poultry. Iowa Limestone Company. 366,601; Apr. 18.
Leather. Lustre Leathers, Inc. 366,583; Apr. 18; Serial No. 413,586; published Feb. 7, 1939.
Resins and ester gums. Reichhold Chemicals Inc. 366,594; Apr. 18; Serial No. 413,737; published Feb. 7, 1939.
Seed corn. F. D. Richey. 366,572; Apr. 18; Serial No. 413,245; published Feb. 7, 1939.
Skins and pelts, Fur. Kara Trading Corp. 366,607; Apr. 18.

CLASS 4

Chemical preparation for removing oils, greases, etc. H. R. Neilson. 366,514; Apr. 18; Serial No. 385,422; published Feb. 7, 1939.
Cleaners and fabric cleaning fluids, Automotive paint. E. I. du Pont de Nemours and Company. 366,566; Apr. 18; Serial No. 413,118; published Feb. 7, 1939.
Cleaning fluid, Dry. Walgreen Co. 366,612; Apr. 18.
Cleanser. B. T. Babbitt, Inc. 366,515; Apr. 18; Serial No. 393,361; published Feb. 7, 1939.
Dressing, Shoe. Wilbert Products Co. 366,598; Apr. 18.
Dressings and leather preservatives, Belt. Chas. A. Schieren Company. 366,568; Apr. 18; Serial No. 413,149; published Feb. 7, 1939.
Preparation for cleaning the hair and fur of animals. F. D. Gates. 366,538; Apr. 18; Serial No. 411,261; published Jan. 31, 1939.
Scouring paste. Sic Em Mfg. Co. 366,548; Apr. 18; Serial No. 412,053; published Feb. 7, 1939.

CLASS 5

Preparation for closing holes in pneumatic tires, Liquid. L. M. Sutton. 125,101; renewed Apr. 8, 1939.

CLASS 6

Powder, Face. A. Bourjois & Co. 125,930; renewed July 15, 1939.
Rouge. A. Bourjois & Co. 126,133; renewed July 29, 1939.
Tonic, Medicinal. Wm. R. Warner & Company. 126,104; renewed July 22, 1939.

CLASS 7

Rope, Manila. Hooven & Allison Company. 124,834; renewed Mar. 18, 1939.

CLASS 12

Boiler and pipe covering. H. W. Johns-Manville Co. 124,973; renewed Apr. 1, 1939.
Doors. Duval Planing Mill Company. 366,556; Apr. 18; Serial No. 412,758; published Jan. 24, 1939.
Doors. Wheeler Osgood Sales Corporation. 366,553; Apr. 18; Serial No. 412,683; published Jan. 24, 1939.
Lumber, woodwork, paneling, etc. Arkansas Soft Pine Bureau. 366,617; Apr. 18.
Plywood and wallboard. Wheeler Osgood Sales Corporation. 366,555; Apr. 18; Serial No. 412,743; published Jan. 24, 1939.

CLASS 13

Angle irons, back flaps, bed fasteners, etc. American Cabinet Hardware Corp. 366,512; Apr. 18; Serial No. 385,275; published Feb. 7, 1939.
Angle irons, back flaps, bed fasteners, etc. American Cabinet Hardware Corp. 366,513; Apr. 18; Serial No. 385,728; published Feb. 7, 1939.
Bathroom accessories. Fairfacts Company. 366,604; Apr. 18.
Screen wire cloth. Pennsylvania Woven Wire Company. 366,580–1; Apr. 18; Serial Nos. 413,558–9; published Feb. 7, 1939.
Unions, thread protectors, gauge cocks, etc. Well Equipment Manufacturing Corporation. 366,522; Apr. 18; Serial No. 404,501; published Feb. 7, 1939.

CLASS 14

Iron, pig-iron, and castings and forgings of pig-iron, forge-iron, and steel, Bar. Ljusne-Woxna Aktiebolag. 123,528; renewed Nov. 19, 1938.
Zinc in slabs or pigs. United States Smelting Refining and Mining Company. 366,561; Apr. 18; Serial No. 412,931; published Feb. 7, 1939.

CLASS 16

Paints. West Coast Kalsomine Company. 366,595; Apr. 18. Serial No. 413,747; published Feb. 7, 1939.
Polish, Automobile and furniture. H. L. Feasel. 124,703; renewed Mar. 11, 1939.

Class 17

Cigarettes, cigars, etc. L. D. Aronowitz. 366,613; Apr. 18.
Cigars. Arango y Arango. 366,535; Apr. 18; Serial No. 410,856; published Feb. 7, 1939.

CLASS 19

Automobile carrier attachment. O. D. Colvin. 366,610; Apr. 18.
Automobiles. Cutler Metal Products Company. 366,539; Apr. 18; Serial No. 411,372; published Feb. 7, 1939.

CLASS 21

Conduits, Electrical-wiring. American Conduit Manufacturing Company. 126,508; renewed Sept. 16, 1939.
Switches for controlling photographic lighting systems, etc. Burke & James, Inc. 366,599; Apr. 18.

CLASS 22

Cards for use in a competitive musical memory game. A. L. Rackin, Hugh C. Daniel, and P. S. Foster. 366,534; Apr. 18; Serial No. 410,339; published Feb. 7, 1939.
Dolls. J. A. Harris. 366,547; Apr. 18; Serial No. 411,995; published Feb. 7, 1939.
Game, Table. C. G. Anderson. 366,540; Apr. 18; Serial No. 411,438; published Feb. 7, 1939.
Lures, Fish. E. S. Scanlan. 366,605; Apr. 18.

CLASS 23

Bearings and parts thereof, Antifriction. Shafer Bearing Corporation. 366,578; Apr. 18; Serial No. 413,489; published Feb. 7, 1939.
Lathes and parts thereof. Seneca Falls Manufacturing Co. Inc. 126,209; renewed July 29, 1939.
Machine presses. U. A. Inman. 366,517; Apr. 18; Serial No. 398,230; published Feb. 7, 1939.
Paper cutting, sorting, and stacking machines, and parts of said machines. National Cash Register Company. 366,552; Apr. 18; Serial No. 412,660; published Feb. 7, 1939.
Tractors and parts thereof. Cleveland Tractor Company. 126,401; renewed Aug. 26, 1939.

CLASS 26

Color mixing apparatus, Scientific. H. F. Smajkal. 366,543; Apr. 18; Serial No. 411,756; published Feb. 7, 1939.
Heat-refractory products. Norton Company. 125,082–3; renewed Apr. 8, 1939.
Paper and film, Light sensitive. Haloid Company. 366,527; Apr. 18; Serial No. 407,141; published Feb. 7, 1939.

CLASS 29

Brushes, Hair, shaving, hand etc. London House, Ltd. 366,608; Apr. 18.

CLASS 31

Coolers and ice-cream freezers. Jensen Creamery Machinery Company. 124,848; renewed Mar. 18, 1939.

CLASS 32

Furniture, Office. National Cash Register Company. 366,567; Apr. 18; Serial No. 413,136; published Feb. 7, 1939.
Mattresses. Eagle Mattress Co. Inc. 366,576; Apr. 18; Serial No. 413,394; published Feb. 7, 1939.
Mattresses and cushions, Inner spring. Kay Manufacturing Corporation. 366,611; Apr. 18.
Rods, window shades, etc., Curtain and sash. S. H. Kress and Company. 366,549; Apr. 18; Serial No. 412,104; published Feb. 7, 1939.

CLASS 34

Crucibles and heat treating furnaces and quenches, Industrial heating. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 366,532; Apr. 18; Serial No. 409,388; published Feb. 7, 1939.
Fans, air circulating fans, and portable blower and duct air circulators, Exhaust. Selectric Products Corp. 366,526; Apr. 18; Serial No. 406,945; published Feb. 7, 1939.
Furnaces, stokers, etc., and parts thereof. Excelsior Steel Furnace Company. 366,558; Apr. 18; Serial No. 412,806; published Feb. 7, 1939.
Heating, circulating, cleaning, and humidifying units and parts thereof, Air. Borg-Warner Corporation. 366,600; Apr. 18.
Lighters, Pilot. Roberts Brass Manufacturing Company. 366,616; Apr. 18.
Tubing for ventilation, Flexible. E. I. du Pont de Nemours and Company. 366,565; Apr. 18; Serial No. 413,115; published Feb. 7, 1939.

CLASS 35

Belts, Cog. Dayton Rubber Manufacturing Company. 366,609; Apr. 18.
Belts, Conveyer. B. F. Goodrich Company. 124,711; renewed Mar. 11, 1939.

CLASS 37

Card holders, and stapling machines, staples, etc., Visible index. M. Vogel. 366,582; Apr. 18; Serial No. 413,573; published Feb. 7, 1939.
Crayons, Marking. American Crayon Company. 366,563; Apr. 18; Serial No. 412,993; published Feb. 7, 1939.
Paper. Whitaker Paper Company. 126,501; renewed Aug. 26, 1939.
Paper napkins. Graham Paper Company. 366,537; Apr. 18; Serial No. 410,955; published Feb. 7, 1939.
Paper, Toilet. Midwest Advertising, Inc. 366,573; Apr. 18; Serial No. 413,271; published Feb. 7, 1939.
Paper towels. Stevens & Thompson Paper Company. 366,592; Apr. 18; Serial No. 413,651; published Feb. 7, 1939.
Paper towels and toilet tissue. Hoberg Paper Mills. 366,554; Apr. 18; Serial No. 412,706; published Feb. 7, 1939.

CLASS 39

Articles made of cotton and linen. John S. Brown & Sons, Limited. 125,721; renewed June 10, 1939.
Hosiery for men and boys. Rogers Peet Company. 125,513; renewed May 20, 1939.
Wear, Infants'. H. L. Green Company. 366,560; Apr. 18; Serial No. 412,857; published Jan. 31, 1939.

CLASS 40

Fasteners and placket-fasteners, Snap. Federal Snap Fastener Corporation. 126,154; renewed July 29, 1939.
Fasteners and placket-fasteners, Snap. Federal Snap Fastener Corporation. 126,417–18; renewed Aug. 26, 1939.

CLASS 42

Articles made of cotton and linen. John S. Brown & Sons, Limited. 125,721; renewed June 10, 1939.
Cotton piece goods. Pacific Mills. 125,474; renewed May 20, 1939.
Corduroys. Crompton Company. 126,520; renewed Sept. 16, 1939.
Curtain materials and curtains made therefrom. Powdrell & Alexander, Inc. 366,585–8; Apr. 18; Serial Nos. 413,642–5; published Feb. 7, 1939.
Curtain materials and curtains made therefrom. Powdrell & Alexander, Inc. 366,591; Apr. 18; Serial No. 413,646; published Feb. 7, 1939.
Fabrics. Ely & Walker Dry Goods Company. 124,962; renewed Apr. 1, 1939.
Piece goods. Rice-Stix Dry Goods Company. 124,991; renewed Apr. 1, 1939.
Rayon piece goods. Bloomsburg Silk Mill. 366,562; Apr. 18; Serial No. 412,938; published Feb. 7, 1939.

CLASS 44

Cushions for loose dental plates, Plastic. A. A. Gray. 366,596; Apr. 18; Serial No. 413,779; published Feb. 7, 1939.
Embedding material. Fisher Scientific Company. 366,603; Apr. 18.
Short wave apparatus for medical purposes. Therm-O-Ray Corporation. 366,533; Apr. 18; Serial No. 409,661; published Feb. 7, 1939.
Surgical, dental, and veterinary instruments. J. Sklar Manufacturing Co. 126,579; renewed Sept. 16, 1939.

CLASS 45

Beverage. Keen Drink Mfg. Co. 125,059; renewed Apr. 8, 1939.
Beverages, and sirups and extracts for making same, Maltless. Penrith-Akers Manufacturing Co. 366,574; Apr. 18; Serial No. 413,315; published Feb. 7, 1939.
Beverages, Maltless. Kaiser's Kaffeegeschäft Gesellschaft mit beschränkter Haftung. 366,544; Apr. 18; Serial No. 411,782; published Feb. 7, 1939.
Coffee beverage, Maltless. Canada Dry Ginger Ale, Incorporated. 366,559; Apr. 18; Serial No. 412,851; published Feb. 7, 1939.
Juices and fruit concentrates, Fruit. M. Harrison. 366,589; Apr. 18; Serial No. 413,709; published Feb. 7, 1939.

Class 46

Bean sprouts, chop suey vegetables, fried noodles, etc. Great China Food Products Co. 366,531; Apr. 18; Serial No. 409,124; published Feb. 7, 1939.
Biscuits, cakes, crackers, etc. Merchant's Biscuit Co. 124,976; renewed Apr. 1, 1939.
Bread. G. L. Burnett. 366,602; Apr. 18.
Bread. E. S. Gempp. 366,597; Apr. 18; Serial No. 414,067; published Feb. 7, 1939.
Canned corn. Minnesota Valley Canning Company. 366,524–5; Apr. 18; Serial Nos. 406,766–7; published Feb. 7, 1939.
Canned fish. Atkins, Kroll & Co. 366,518; Apr. 18; Serial No. 399,494; published Feb. 7, 1939.

Canned peas. Minnesota Valley Canning Company. 366,523; Apr. 18; Serial No. 406,765; published Feb. 7, 1939.
Canned vegetables. T. R. Halsey. 366,542; Apr. 18; Serial No. 411,635; published Feb. 7, 1939.
Canned vegetables. H. B. Ziegler. 366,551; Apr. 18; Serial No. 412,243; published Feb. 7, 1939.
Cereal, Whole wheat. National Biscuit Company. 366,584; Apr. 18; Serial No. 413,590; published Feb. 7, 1939.
Confections, Frozen. M. B. Rasmusson. 366,545–6; Apr. 18; Serial Nos. 411,794–5; published Feb. 7, 1939.
Corn meal. Charleston Milling Company. 366,519; Apr. 18; Serial No. 401,644; published Feb. 7, 1939.
Corn meal, Prepared. G. K. Crutchfield, Jr. 366,614; Apr. 18.
Feeds, Poultry. Grand Forks Seed Company. 366,570; Apr. 18. Serial No. 413,223; published Feb. 7, 1939.
Flavors, Food. Blue Seal Extract Company. 366,516; Apr. 18; Serial No. 396,116; published Feb. 1, 1938.
Fruits, Citrus. Florida Citrus Exchange. 366,593; Apr. 18; Serial No. 413,706; published Feb. 7, 1939.
Fruits, Fresh citrus. C. Everhard. 366,615; Apr. 18.
Gelatin. Swift and Company. 366,579; Apr. 18; Serial No. 413,494; published Feb. 7, 1939.
Hams and picnic hams, Tender cooked. Illinois Meat Company. 366,541; Apr. 18; Serial No. 411,580; published Feb. 7, 1939.
Macaroni. Tenderoni, Inc. 366,529; Apr. 18; Serial No. 408,551; published Dec. 13, 1938.
Macaroni, spaghetti, and noodles. Kansas City Macaroni & Importing Co. 366,530; Apr. 18; Serial No. 408,801; published Dec. 13, 1938.
Milk, Evaporated and condensed. Sheffield Farms Co. 126,478; renewed Aug. 26, 1939.
Potatoes. Michael, Swanson & Brady Produce Company. 366,606; Apr. 18.
Tea. Old Dutch Mills, Inc. 366,528; Apr. 18; Serial No. 407,275; published Feb. 7, 1939.
Toffee, chocolate covered toffee, and boiled sweets. George W. Horner & Co. Limited. 366,550; Apr. 18; Serial No. 412,185; published Feb. 7, 1939.
Vegetables and potatoes, Fresh. F. C. Peters, Inc. 366,569; Apr. 18; Serial No. 413,193; published Feb. 7, 1939.
Vegetables and potatoes, Fresh. F. C. Peters, Inc. 366,571; Apr. 18; Serial No. 413,238; published Feb. 7, 1939.
Watermelons and cantaloupes. James Co. 366,564; Apr. 18; Serial No. 413,018; published Feb. 7, 1939.

CLASS 47

Wines. Berry Bros. & Co. 366,557; Apr. 18; Serial No. 412,795; published Feb. 7, 1939.

CLASS 49

Gin, whiskey, rum, etc. Joseph S. Finch and Company. 366,577; Apr. 18; Serial No. 413,396; published Feb. 7, 1939.
Liquors, Distilled alcoholic. Cave Springs Distillery Corporation. 366,536; Apr. 18; Serial No. 410,879; published Feb. 7, 1939.
Rum, whiskey, gin, etc. Many, Blanc & Co. 366,590; Apr. 18; Serial No. 413,719; published Feb. 7, 1939.
Whiskey. McKesson & Robbins, Incorporated. 366,520–1; Apr. 18; Serial Nos. 401,750–1; published Mar. 1, 1938

LIST OF LABELS

Bar-Tropin. For Medicinal Tablets. Testagar Laboratories, Inc. 52,853; Apr. 18.
Big Chief—No Rubbing Wax. For No Rubbing Wax. Pontiac Paint & Chemical Works, Inc. 52,849; Apr. 18.
Bottler's Lemon. For Bottler's Lemon. California Fruit Growers Exchange. 52,825; Apr. 18.
Bottlers Orange. For Bottlers Orange. California Fruit Growers Exchange. 52,823; Apr. 18.
Borden Boulevard Grade A Eggs. For Grade A Eggs. Borden Company. 52,821; Apr. 18.
California Styled. For Robes. Geisha Robe Co. 52,828; Apr. 18.
Chief—Tex Flat Wall Finish. For a Flat Wall Finish. Pontiac Paint & Chemical Works, Inc. 52,850; Apr. 18.
Dairy Orange Base. For a Dairy Orange Base for Making a Citrus Juice Drink. California Fruit Growers Exchange. 52,822; Apr. 18.
De Met's Turtles. For Candy. De Met's, Inc. 52,826; Apr. 18.
Film Ribbon, the "Cellophane" Typewriter Ribbon with the Clean Edge. For Typewriter Ribbons. G. T. Hudspeth. 52,831; Apr. 18.
Great State Cigar, Made by King Arthur Cigar Fct'y. For Cigars. King Arthur Cigar Fct'y. 52,834; Apr. 18.
H T H. For a Preparation Used as a Germicide, Deodorant, and Disinfectant. Mathieson Alkali Works (Inc.) 52,837; Apr. 18.
Hampden Beer. For Beer. Hampden Brewing Company. 52,830; Apr. 18.
Jack Frost Confectioners XXXX Sugar. For Confectioners Sugar. National Sugar Refining Company of New Jersey. 52,843; Apr. 18.
Jack Frost Dark Brown Sugar. For Dark Brown Sugar. National Sugar Refining Company of New Jersey. 52,842; Apr. 18.
Jack Frost Extra-Fine Powdered Sugar. For Extra Fine Powdered Sugar. National Sugar Refining Company of New Jersey. 52,841; Apr. 18.
Jack Frost Light Brown Sugar. For Light Brown Sugar. National Sugar Refining Company of New Jersey. 52,844; Apr. 18.
Johnson's Fortified House Paint. For House Paint. S. C. Johnson & Son, Inc. 52,832; Apr. 18.
Kem Kel. For Cleaning Compound. E. M. North. 52,845; Apr. 18.
Liane Shampoo. For a Shampoo. Liane Incorporated. 52,835; Apr. 18.
Manischewitz Modern Chalah. For Bread. Manco Breads, Inc. 52,836; Apr. 18.
National Biscuit Shredded Wheat. For a Cereal. National Biscuit Company. 52,840; Apr. 18.
Prague Powder. For a Powder for Use as a Full Boiled Curing Pickle. Griffith Laboratories, Inc. 52,829; Apr. 18.
Pure Orange Juice. For Pure Orange Juice. California Fruit Growers Exchange. 52,824; Apr. 18.
Real Worth. For Composition Books. P. E. Trouche. 52,854; Apr. 18.
Real Worth. For Note-Book Filler Paper. P. E. Trouche. 52,856; Apr. 18.
Real Worth. For Writing Tablets. P. E. Trouche. 52,855; Apr. 18.
Red Z, Arizona. For Fresh Citrus Fruit. Mesa Citrus Growers. 52,838; Apr. 18.
Rexo. Powdered Soap Perfect Hand Cleaner. For Powdered Soap. A. L. Zamorosky. 52,857; Apr. 18.
Salted Nuts. For Salted Nuts. E. F. Kemp, Inc. 52,833; Apr. 18.
Sem Super Soft Tissue 1000 Sheets 4½ x 5. For an All Purpose Tissue. Seminole Paper Corporation. 52,852; Apr. 18.
Shu-Shine Doo-Dabs. For Shoe Cleaners. Osmic Chemical Company. 52,846; Apr. 18.
Someklor. For a Stain Remover and Bleach. M. Seelbach. 52,851; Apr. 18.
Spears Golden Butter. For Butter. Pollock Paper & Box Company. 52,848; Apr. 18.
Spotless Spot. For Sandwiches. C. A. Philios. 52,847; Apr. 18.
Tru-Ham Flavor. For Ham. Armour and Company. 52,820; Apr. 18.
West Virginia. For Ale. Fesenmeier Brewing Company. 52,827; Apr. 18.
Wite-Flos. For Bathroom Tissue. Mill Agents and Distributors, Inc. 52,839; Apr. 18.

LIST OF PRINTS

Announcing The New Super-Soft Dr. Scholl's Zino-Pads. For Pads for Corns, Callouses, Bunions, Soft Corns, and Foot Irritations. Scholl Mfg. Co. Inc. 17,358; Apr. 18.
Anthony Hydraulic. For Hydraulic Hoists for any Make Model or W. B. Chassis. Anthony Company. 17,354; Apr. 18.
Dinky Diner. For Car Bodies, Specially Designed for Dispensing Food. Brock Industries Inc. 17,355; Apr. 18.
Economy. For a Game. E. Schiffmann. 17,357; Apr. 18.
For Lunch Tastykake Krimpet. For Cake. Tasty Baking Company. 17,360; Apr. 18.
Procaine in Combination With Fruit Acids Sub-Rin (Brand) Tricaine (Brand). For a Local Anesthetic. D. Curtis. 17,356; Apr. 18.
Smallhouse CO_2 Air Conditioner. For Air Conditioning Units. A. E. Smallhouse. 17,359; Apr. 18.
They Go Together. For Beer and Cheese. Wisconsin State Brewers' Association. 17,361; Apr. 18.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Listing adding machine. Re. 21,050; Apr. 18.
Davidson, John T., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. Re. 21,051; Apr. 18.
Erickson, David, Wichita Falls, Tex. Rod line idler. Re. 21,049; Apr. 18.
Graham, Thornton G. (See Matthews, Albert T., assignor.)
Haucke, Oswin, Brooklyn, N. Y. Wheel centering and camber gauge. Re. 21,052; Apr. 18.
Matthews, Albert T., Silvertown, Ga., assignor of one-half to T. G. Graham, Akron, Ohio. Awning. Re. 21,053; Apr. 18.
Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
National Cash Register Company, The. (See Davidson, John T., assignor.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. Re. 21,054; Apr. 18.
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)

LIST OF PLANT PATENTEES

Hillock, Verne S., Arlington, Tex. Rose. 326; Apr. 18.
Savely, James W., near Hendersonville, Tenn. Apple. 327; Apr. 18.

LIST OF DESIGN PATENTEES

Altorfer, Henry W., Peoria, Ill. Ironing machine cabinet. 114,314; Apr. 18.
American Stove Company. (See Brodbeck, Almer H., assignor.)
Aronoff, Shirley, New York, N. Y. Dress. 114,388; Apr. 18.
Avon Sole Company. (See MacLeod, Bertram H., assignor.)
Barth, Bruno H., West Englewood, N. J., assignor to W. K. Kallman, doing business as Blanck & Co., New York, N. Y. Textile fabric or similar article. 114,389; Apr. 18.
Beatty, David E. (See Uecker, R., Beatty, and Rambo.)
Berkman, Morton, Forest Hills, N. Y. Button or similar article. 114,377; Apr. 18.
Bigelow-Sanford Carpet Co. (See Landry, Henry J., assignor.)
Biva, Lucien, Long Island City, assignor to W. E. Roschen, A. A. Levy and J. Hastedt, as coexecutors of the estate of O. Timme, deceased, doing business as E. F. Timme & Son, New York, N. Y. Rug. 114,334; Apr. 18.
Blanck & Co. (See Barth, Bruno H.)
Bocchino, Ernest, Clifton, N. J. Manicuring device. 114,390; Apr. 18.
Bond, David S., Brookline, Mass. Vending machine. 114,380; Apr. 18.
Briggs, Leland Stanford. (See Patten, R., and Briggs.)
Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Setting handle for heat regulators. 114,315; Apr. 18.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Perfume bottle or similar article. 114,360; Apr. 18.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Powder box or similar article. 114,361; Apr. 18.
Buehner, William F. A., New York, N. Y. Shoe or the like. 114,316; Apr. 18.
Burri, Lucien S., New York, N. Y. Finger ring. 114,317; Apr. 18.
Cancellare, Peggy, New York, N. Y. Dress ensemble. 114,391; Apr. 18.
Carbonara, Victor E., Rockville Centre, assignor to P. Kollsman, New York, N. Y. Shell of a Pitot static tube. 114,362; Apr. 18.
Cheney Brothers. (See Szach, Marie A., assignor.)
Cohn, Mark, New York, N. Y. Dress. 114,420; Apr. 18.
Coleman, Tora, New York, N. Y. Dress. 114,421; Apr. 18.
Coleman, Tora, New York, N. Y. Dress ensemble. 114,422; Apr. 18.
Coleman, Tora, New York, N. Y. Dress. 114,423; Apr. 18.
Coleman, Tora, New York, N. Y. Dress. 114,424; Apr. 18.
Constantine, George, Mattapan, Mass. Redingote. 114,425; Apr. 18.
De Liso, Vincent, Astoria, Long Island, N. Y. Shoe or similar article. 114,318; Apr. 18.
Dick, Samuel H., New York, N. Y. Coat. 114,319; Apr. 18.
Dictaphone Corporation. (See Patten, R. and Briggs, assignors.)
Dunnock, John L., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Bottle. 114,363; Apr. 18.
Dunton, Marjorie, New York, N. Y. Glove. 114,392; Apr. 18.
Edelson, Morris, New York, N. Y. Coat. 114,393; Apr. 18.
Eisner, Harry, Union Springs, N. Y. Tool for adjusting ignition circuit breakers. 114,320; Apr. 18.
Ernst, Walter, Mount Gilead, and H. Van Doren, Toledo, Ohio, assignors to Hydraulic Development Corporation, Inc., Wilmington, Del. Press. 114,321; Apr. 18.
Farber, Simon W., Brooklyn, N. Y. Coffee maker. 114,364; Apr. 18.
Farber, Simon W., Brooklyn, N. Y. Tea maker. 114,365; Apr. 18.
Fieldhouse, Fred W., Louisville, Ky. Basketball goal. 114,375; Apr. 18.
Fritz, Theresa, New York, N. Y. Dress. 114,426; Apr. 18.
Fritz, Theresa, New York, N. Y. Dress. 114,427; Apr. 18.
Fritz, Theresa M., New York, N. Y. Dress. 114,394; Apr. 18.
Goodkind, Louis W., New York, N. Y. Lady's suit. 114,395; Apr. 18.
Guerra, Anthony, Hackensack, N. J. Knife. 114,396; Apr. 18.
Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Remote control phonograph cabinet. 114,322; Apr. 18.
Galter, Jack, Chicago, Ill. Camera. 114,323; Apr. 18.
Galter, Jack, Chicago, Ill. Camera. 114,324; Apr. 18.
Galter, Jack, Chicago, Ill. Electric razor. 114,325; Apr. 18.
Galter, Jack, Chicago, Ill. Electric razor. 114,326; Apr. 18.
Garrett, Arthur O. (See Turner, Harry E., assignor.)
Gelardin, Albert, New York, N. Y. Flashlight case. 114,327; Apr. 18.
Gould, Arthur S., Lakewood, assignor to The Oster Manufacturing Company, Cleveland, Ohio. Power pipe stand. 114,328; Apr. 18.
Government of United States of America, as represented by the Secretary of War, and his successors in Office. (See Taylor, J. G., Wilson and Swanson, assignors.)
Gregg, William L., Fredericktown, Ohio. Wall lamp or similar article. 114,329; Apr. 18.
Groen, Christopher, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa. Valve handle. 114,330; Apr. 18.
Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
Hampshire, John C., New York, N. Y. Deck of playing cards. 114,386; Apr. 18.
Hastedt, John, et al., coexecutors. (See Biva, Lucien, assignor.)
Havlis, Adolph J., Oak Park, assignor to Keystone Metal Products Co., Chicago, Ill. Tumbler rack. 114,397; Apr. 18.

Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)
Herr, Frank E., Lancaster, Pa. Oil burner. 114,331; Apr. 18.
Hobba, Clayton T., Los Angeles, Calif., assignor to Larus & Brother Company, Inc., Richmond, Va. Jacket for tobacco containers. 114,366; Apr. 18.
Horsley, James H., Chicago, Ill. Combined cigarette and gum holder. 114,367; Apr. 18.
Houdaille-Hershey Corporation. (See Mills, Donald H., assignor.)
Hydraulic Development Corporation. (See Ernst, W., and Van Doren, assignors.)
Jenith Knitwear, Inc. (See Reitmeister, Louis A., assignor.)
Jensen, Peter, New York, N. Y. Fencing implement for practice in fencing. 114,376; Apr. 18.
Kalamazoo Sled Company. (See Kidder, William E., assignor.)
Kallman, William K. (See Barth, Bruno H., assignor.)
Kaufman, Louis, New York, N. Y. Textile fabric. 114,398; Apr. 18.
Kemp, William H., Westfield, N. J. Combination calendar desk unit. 114,382; Apr. 18.
Keystone Metal Products Co. (See Havlis, Adolph J., assignor.)
Kidder, William E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Coasting sled. 114,373; Apr. 18.
Kollsman, Paul. (See Carbonara, Victor E., assignor.)
Kollsman, Paul, New York, N. Y. Shell of a Pitot static tube. 114,332; Apr. 18.
Kollsman, Paul, New York, N. Y. Shell of a Pitot static tube. 114,333; Apr. 18.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 114,335; Apr. 18.
Kornfeld, Morton D., New York, N. Y. Textile fabric. 114,336; Apr. 18.
Landgraf, Myron L., Chicago, Ill. Electric vibrator. 114,337; Apr. 18.
Landry, Henry J., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Floor covering or the like. 114,338; Apr. 18.
Larus & Brother Company. (See Hobba, Clayton T., assignor.)
Lee, Joan B., Richmond Hill, N. Y. Combined powder puff and lipstick container. 114,401; Apr. 18.
Leff, Morris, Brooklyn, N. Y. Embroidered textile fabric or similar article. 114,399; Apr. 18.
Leff, Morris, Brooklyn, N. Y. Embroidered textile fabric or similar article. 114,400; Apr. 18.
Lehman Company of America, Inc., The. (See Spence, Edmond J., assignor.)
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 114,402; Apr. 18.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Ltd., Oakland, Calif. Table-top range. 114,339; Apr. 18.
Levy, Albert A., et al., coexecutors. (See Biva, Lucien, assignor.)
Lowenstein, Malcolm W., Baltimore, Md. Bottle or similar article. 114,368; Apr. 18.
MacLeod, Bertram H., Pembroke, assignor to Avon Sole Company, Holbrook, Mass. Composite shoe sole or analogous article. 114,340; Apr. 18.
Marks, Murray J., New York, N. Y. Hat. 114,383; Apr. 18.
Massow, Morris, New York, N. Y. Dress ensemble. 114,403; Apr. 18.
McDonald, A. Y., Mfg. Co. (See Groen, Christopher, assignor.)
McKinney, Sidney R., Oklahoma City, Okla. Counter scale. 114,374; Apr. 18.
Menken, Gretchen v. B., New York, N. Y. Combined doll and vanity bag or similar article. 114,404; Apr. 18.
Michelson, Margaret, New York, N. Y. Dress. 114,428; Apr. 18.
Michelson, Margaret, New York, N. Y. Dress. 114,429; Apr. 18.
Mills, Donald H., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile fender shield or similar article. 114,341; Apr. 18.
Mitchell, Cora M., Rock River, Wyo. Apron. 114,405; Apr. 18.
Model Brassiere Corp. (See Schoebel, Henry, assignor.)
Morimura Bros. Inc. (See Leigh, Cyril W., assignor.)
Morrison, Willard L., Lake Forest, Ill. Radiator grille cover for automobiles. 114,406; Apr. 18.
Morrison, Willard L., Lake Forest, Ill. Radiator grille cover for automobiles. 114,407; Apr. 18.
Morrison, Willard L., Lake Forest, Ill. Automobile. 114,408; Apr. 18.
Moyer, Ralph H., Detroit, Mich. Pot lifter. 114,369; Apr. 18.
Mueller, Louis F., Buffalo, N. Y. Refreshment stand. 114,342; Apr. 18.
Muldoon, Bernard F., Mountain View, N. J. Flashlight head. 114,343; Apr. 18.
Müller-Munk, Peter, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brush or the like. 114,344; Apr. 18.
Oster Manufacturing Company, The. (See Gould, Arthur S., assignor.)
Packard Motor Car Company. (See Wilson, John D., assignor.)
Patent Button Company, The. (See Scott, Alexander A., Jr., assignor.)
Patten, Ray, Wilton, Conn., and L. S. Briggs, assignors to Dictaphone Corporation, New York, N. Y. Phonograph cabinet or similar article. 114,384; Apr. 18.
Prahl, Frederick A., Jr., Danvers, Mass., assignor, to United Shoe Machinery Corporation, Paterson, N. J. Casing for a stitching machine. 114,409; Apr. 18.
Prahl, Frederick A., Jr., Danvers, Mass., assignor, to United Shoe Machinery Corporation, Paterson, N. J. Casing for a stitching machine. 114,410; Apr. 18.
Prahl, Frederick A., Jr., Danvers, Mass., assignor, to United Shoe Machinery Corporation, Paterson, N. J. Casing for shoe machines. 114,411; Apr. 18.
Prahl, Frederick A., Jr., Danvers, Mass., assignor, to United Shoe Machinery Corporation, Paterson, N. J. Standard for a shoe machine. 114,412; Apr. 18.
Pro-phy-lac-tic Brush Company. (See Müller-Munk, Peter, assignor.)
Quackenbush-Caven Company. (See Quackenbush, Edwin, assignor.)
Quackenbush, Edwin, Ridgewood, N. J., assignor to Quackenbush-Caven Company, Inc., New York, N. Y. Textile fabric or similar article. 114,387; Apr. 18.
Rambo, Ingar G. (See Uecker, R., Beatty, and Rambo.)
Reitmeister, Louis A., Great Neck, N. Y., assignor to Jenath Knitwear, Inc. Sweater. 114,345; Apr. 18.
Roschen, William E., et al., coexecutors. (See Biva, Lucien, assignor.)
Safway Steel Scaffolds Co. of Wisconsin, The. (See Uecker, R., Beatty, and Rambo, assignors.)
Sannar, Ray E., L. P. Tufford, and A. G. Smith, Elyria, Ohio. Rubber heel. 114,346; Apr. 18.
Schoebel, Henry, West Hempstead, assignor to Model Brassiere Corp., Brooklyn, N. Y. Brassière. 114,413; Apr. 18.
Scott, Alexander A., Jr., Knoxville, Tenn., assignor to The Patent Button Company, Waterbury, Conn. Button. 114,347; Apr. 18.
Scott, Alexander A., Jr., Knoxville, Tenn., assignor to The Patent Button Company, Waterbury, Conn. Button. 114,348; Apr. 18.
Shapiro, Murray J., New York, N. Y. Wedding gown. 114,414; Apr. 18.
Shelton, Hannah C., New York, N. Y. Dress. 114,430; Apr. 18.
Shelton, Hannah C., New York, N. Y. Dress. 114,431; Apr. 18.
Smith, Arthur G. (See Sannar, R. E., Tufford, and Smith.)
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Jar. 114,370; Apr. 18.
Sparrow, Frank I., Union, N. J. Combined vase and support. 114,349; Apr. 18.
Speaker, J. W., Corporation. (See Stein, Adolph T., assignor.)
Spence, Edmond J., Batavia, N. Y., assignor to The Lehman Company of America, Inc., Connelton, Ind. Crib. 114,371; Apr. 18.
Stein, Adolph T., assignor to J. W. Speaker Corporation, Chicago, Ill. Clamping device. 114,350; Apr. 18.
Steinman, Samuel J., New York, N. Y. Combined billfold, change purse, and key holder. 114,351; Apr. 18.
Stoll, Charles, New York, N. Y. Sofa or similar article. 114,378; Apr. 18.
Stoll, Charles, New York, N. Y. Sofa or similar article. 114,415; Apr. 18.
Stoll, Charles, New York, N. Y. Sofa or similar article. 114,416; Apr. 18.
Swanson, Oscar A. (See Taylor, J. G., Wilson, and Swanson.)
Swindell Brothers, Incorporated. (See Dunnock, John L., assignor.)
Szach, Marie A., Astoria, N. Y., assignor to Cheney Brothers, New York, N. Y. Textile fabric or similar article. 114,379; Apr. 18.
Taylor, James G., Dayton, R. C. Wilson, Fairfield, and O. A. Swanson, Dayton, Ohio, assignors to Government of United States of America, as represented by Secretary of War, and his successors in office. Low wing cantilever monoplane. 114,417; Apr. 18.
Taylor, John J., Wadsworth, Ohio. Electric insulator. 114,352; Apr. 18.
Timme, Otto, estate of. (See Biva, Lucien.)
Timme, E. F., & Son. (See Biva, Lucien.)
Tint, Mollie S., New York, N. Y. Dress. 114,418; Apr. 18.
Tint, Mollie S., New York, N. Y. Dress. 114,419; Apr. 18.
Tufford, Leonhard P. (See Sannar, R. E., Tufford, and Smith.)
Turner, Harry E., Pacific Palisades, assignor of one-half to A. O. Garrett, Los Angeles, Calif. Film viewing machine. 114,353; Apr. 18.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 114,354; Apr. 18.

Uecker, Reinhold A., D. E. Beatty, and I. G. Rambo, assignors to The Safway Steel Scaffolds Co. of Wisconsin, Wauwatosa, Wis. Scaffold end frame. 114,355; Apr. 18.
United Shoe Machinery Corporation. (See Prahl, Frederick, A., Jr., assignor.)
Van Doren, Harold. (See Ernst, W., and Van Doren.)
Von Elsenbarth, August, Bronxville, N. Y. Textile fabric or similar article. 114,356; Apr. 18.
Walker, Katherine F., Sioux City, Iowa. Mimeograph equipment board. 114,357; Apr. 18.
Wells, Walter O., Elkhart, Ind. Trailer. 114,385; Apr. 18.
Wilson, John D., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Vehicle ornament or similar article. 114,358; Apr. 18.
Wilson, Roscoe C. (See Taylor, J. G., Wilson, and Swanson.)
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Younghusband, James L., Chicago, Ill. Lipstick case. 114,359; Apr. 18.
Zimmerly, Edward, Chicago, Ill. Cake cutter. 114,372; Apr. 18.
Zimmerman, Samuel, New York, N. Y. Coat. 114,381; Apr. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., Los Angeles, Calif. Kelly-bar bushing. 2,155,109; Apr. 18.
Abell, Walter P., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,154,425; Apr. 18.
Adam, Moritz, Berlin, Germany. Copying of lenticular film. 2,155,075; Apr. 18.
Adams, John H., Seattle, Wash. Device to indicate the temperature of cooking meat. 2,154,426; Apr. 18.
Adams, John Q., and F. A. Benford, Schenectady, N. Y., assignors to General Electric Company. Optical comparator. 2,155,248; Apr. 18.
Agfa Ansco Corporation. (See Fricke, H., and Brunken, assignors.)
Agfa Ansco Corporation. (See Polhemus, John K., assignor.)
Agfa Ansco Corporation. (See Schneider, W., and Loleit, assignors.)
Ahles, George J., assignor to Fort Stanwix Manufacturing Co., Inc., Rome, N. Y. Bottle cap machine. 2,155,288; Apr. 18.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rail sanding device. 2,155,214; Apr. 18.
Akwa Heaters, Inc. (See Morray, Virgil W., assignor.)
Alexander, James N., Birmingham, Ala. Saw handle. 2,155,110; Apr. 18.
Alkio, Viljo V., Helsinki, Finland. Process and apparatus for treatment of diseased obstruction of the lacrymal ducts. 2,154,968; Apr. 18.
Allison, Charles F., assignor to Bag Closing Machine Corporation, Chicago, Ill. Bag closing machine. 2,154,715; Apr. 18.
Alvey-Ferguson Company, The. (See Sparling, W. E., and Stokes, assignors.)
Amberg, Walter E., assignor to F. M. Friedlob, Chicago, Ill. Expander ring. 2,155,031; Apr. 18.
Ambuhl, Robert, Troy, N. Y. Interliner for pneumatic tires. 2,154,828; Apr. 18.
American Armament Corporation. (See Joyce, Bryan P., assignor.)
American Bosch Corporation. (See Long, Herbert J., assignor.)
American Car and Foundry Company. (See Thompson, John B. D., assignor.)
American District Telegraph Company Inc. (See Cowan, F. M., and Evans, assignors.)
American Enka Corporation. (See Houtznager, Dirk, assignor.)
American Enka Corporation. (See Moritz, Adrian J. L., assignor.)
American Fixture & Showcase Manufacturing Co. (See Mendle, Milton D., assignor.)
American Foundry Equipment Company, The. (See Hammell, Charles H., assignor.)
American Foundry Equipment Company, The. (See Turnbull, David C., assignor.)
American Foundry Equipment Company. (See Zahn, Otto E., assignor.)
American Hot Water Systems, Inc. (See Trencavel, Albert B., assignor.)
American-La France-Foamite Corporation. (See Smith, Carlisle F., assignor.)
American Lurgi Corporation. (See Ebner, Karl, assignor.)
American Magnesium Metals Corporation. (See Erdmann, Konrad, assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Telephone and Telegraph Company. (See Bachelet, A. E., and (Holden, assignor).)
American Telephone and Telegraph Company. (See Parrott, John A., assignor.)
American Telephone and Telegraph Company. (See Walker, Charles R., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Telephone & Telegraph Company. (See Weaver, Myron A., assignor.)
American Type Founders, Incorporated. (See Seybold, Frederick W., assignor.)
American Zinc, Lead & Smelting Company. (See MacIntire, Walter H., assignor.)
Anaconda Wire & Cable Company. (See French, Stanley F., assignor.)
Anaconda Wire & Cable Company. (See Wodtke, Hans V., assignor.)
Anderegg, Ruben H., and R. G. Miner, assignors to The Trane Company, La Crosse, Wis. Heating system. 2,155,371; Apr. 18.
Anderson, Alfred J., Akron, Ohio. Bubble blower. 2,154,652; Apr. 18.
Anderson, Herman T., Le Feria, Tex. Cream separator. 2,155,111; Apr. 18.
Anderson, Howard F., Torrington, Conn. Speed control for outboard motor boats. 2,155,112; Apr. 18.
Anderson, Maud L., Aurora, Ill. Hinge. 2,154,716; Apr. 18.
Anderson, Raymond M., Detroit, Mich., assignor of one-half to H. D. Church, Cleveland Heights, Ohio. Fuel control for internal combustion engines. 2,154,417; Apr. 18.
Anderson, Samuel M., and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Heating and humidifying system. 2,154,801; Apr. 18.
Andres, Lloyd J., assignor to Automatic Instrument Company, Grand Rapids, Mich. Electric vibrator. 2,154,427; Apr. 18.
Andres, Lloyd J., Chicago, Ill, assignor to Automatic Instrument Company, Grand Rapids, Mich. Vibrator heater. 2,154,428; Apr. 18.
Anketell, Edward N., assignor to The A. C. Gilbert Company, New Haven, Conn. Battery holder. 2,154,653; Apr. 18.
Annen, James E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container assembling apparatus. 2,155,032; Apr. 18.
Anstee, David R., Slough, England. Printing or marking mechanism, particularly for use in connection with packaging machines. 2,154,884; Apr. 18.
Apex Electrical Manufacturing Company, The. (See Frantz, W. A., and McCabe, assignors.)
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Archer, Frederick W. (See Sitkin, J. J., and Archer.)
Armentrout, Arthur L. (See Hall, E. B., and Armentrout.)
Armentrout, Arthur L., Los Angeles, and C. H. Phillips, Long Beach, Calif.; said Phillips assignor of one-fourth to said Armentrout. Apparatus for recovering objects from wells. 2,154,654; Apr. 18.
Armstrong, Henry, Montreal, Quebec, and R. S. S. Jones, Toronto, Ontario, assignors to Vibra-Lite Limited, Montreal, Quebec, Canada. Method of and apparatus for illuminating a chromatically variegated display. 2,154,829; Apr. 18.
Armstrong Paint & Varnish Works. (See Gray, Jesse L., assignor.)
Armstrong Products Corporation. (See Atkinson, G. E., and Jones, assignors.)
Arnesen, Walter A., New York, N. Y. Otoscope and similar instrument. 2,154,885; Apr. 18.
Aske, Irving E., Muskegon, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Cylinder head. 2,154,717; Apr. 18.
Associated Attleboro Manufacturers, Inc. (See Stenberg, Knut E. B., assignor.)
Associated Electric Laboratories, Inc. (See Cox, Irvin W., assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Associated Press. (See Biele, Harry M., assignor.)
Associated Telephone and Telegraph Company. (See Gunning, Percy F., assignor.)
Associated Telephone and Telegraph Company. (See Saville, W., and Williams, assignors.)
Associated Telephone and Telegraph Company. (See Taylor, Reginald, assignor.)
Associated Telephone and Telegraph Company. (See Taylor, R., and Baker, assignors.)
Atkinson, George E., and H. M. Jones, assignors to Armstrong Products Corporation, Huntington, W. Va. Electric heater. 2,155,289; Apr. 18.
Atkinson, Sheridan K. (See Smith, J. D., and Atkinson.)
Atlantic States Gas Company. (See Stroud, Byron B., assignor.)
Atlas Supply Co. Inc. (See Doing, Warren P., assignor.)
Atlas Supply Company. (See Kolseth, John H., assignor.)
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Hermand W., assignor.)
Automotive Products Company Limited. (See Brown, Francis Y., assignor.)
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Multicolor printing press. 2,155,353; Apr. 18.

Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Inking mechanism for printing presses. 2,155,354; Apr. 18.
Avorio, Luigi, Rome, Italy. Parachute pack with a single releasing hook. 2,155,074; Apr. 18.
Bachelet, Albert E., New York, and W. H. T. Holden, Long Island City; said Bachelet assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Holden assignor to American Telephone and Telegraph Company. Selective signaling system. 2,154,886; Apr. 18.
Baer, Howard, Jersey City, N. J., and M. J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,154,555; Apr. 18.
Bag Closing Machine Corporation. (See Allison, Charles F., assignor.)
Bahan, William H., Greenville, S. C. Eccentric connection for loom swords. 2,154,655; Apr. 18.
Bahan, William H., Greenville, S. C. Bobbin support for battery looms. 2,154,656; Apr. 18.
Bahan, William H., Greenville, S. C. Bobbin support for battery looms. 2,154,657; Apr. 18.
Baird Machine Company, The. (See Lewis, Arthur J., assignor.)
Bakelite Corporation. (Bender, Howard L., assignor.)
Baker, Benjamin P. (See Leeds, W. M., and Baker.)
Baker, George T. (See Taylor, R., and Baker.)
Baker, Paul S., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Control means for controllable pitch propellers. 2,154,887; Apr. 18.
Baker, William H., Montreal, Quebec, Canada. Protection device in looms. 2,154,802; Apr. 18.
Baldwin, James H., New Milford, and K. Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y. Nonrefillable bottle stopper. 2,155,290; Apr. 18.
Baldwin, James H., New Milford, and K. Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y. Nonrefillable bottle stopper. 2,155,291; Apr. 18.
Baldwin, James H., New Milford, and K. Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y. Nonrefillable bottle stopper. 2,155,292; Apr. 18.
Bancroft, Benjamin M., Los Angeles, Calif. Fumigator. 2,154,803; Apr. 18.
Bancroft, Charles, New Canaan, Conn. Rotary torus cylinder motor. 2,155,249; Apr. 18.
Bandtell, Charles M., et al. (See Booharin, Leo Y., assignor.)
Bannon, Thomas W., Chicago, Ill., assignor, by mesne assignments, to E. L. Wall, Detroit, Mich. Duplicating machine. 2,154,718; Apr. 18.
Bargen, Bernhard, Bethel College, Kans. Typewriter desk. 2,155,293; Apr. 18.
Barks, Frank S., assignor to Lincoln Engineering Company, St. Louis, Mo. Injector. 2,155,250; Apr. 18.
Barnett, William C., Detroit, Mich. Fishing lure. 2,155,294; Apr. 18.
Barrett Company, The. (See Sutherland, Leslie T., assignor.)
Barrett, Harold T., assignor to Harrington & King Perforating Company, Chicago, Ill. Floor tread. 2,154,597; Apr. 18.
Barrett, Paul A. (See Davies, J. S. H., Wyler, Barrett, and Linstead.)
Barthelemy, René, Fontenay aux Roses, assignor to Compagnie pour la fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Picture reproducer. 2,155,033; Apr. 18.
Barthelemy, René, Fontenay aux Roses, assignor to Compagnie pour la fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Photoelectric cell modulator. 2,155,034; Apr. 18.
Bartow Beacons Inc. (See Bartow, John B., assignor.)
Bartow, John B., Blue Bell, assignor to Bartow Beacons Inc., Philadelphia, Pa. Airport lighting system. 2,155,295; Apr. 18.
Bass, Shaller L., and E. M. Van Duzee, deceased (C. H. Macomber, administrator); assignors to The Dow Chemical Company, Midland, Mich. Ethers of the alkyl esters of hydroxy benzoic acids. 2,154,598; Apr. 18.
Bastian-Blessing Co., The. (See Buttner, W. C., and Evarts, assignors.)
Bastian Brothers Company. (See Wolf, Wallace J., assignor.)
Bateman, Fred H., Company. (See Bateman, F. H., and Trolley, assignors.)
Bateman, Frederic H., Grenloch, N. J., and I. Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J. Potato digger. 2,154,429; Apr. 18.
Bates Manufacturing Company, The. (See Faas, Walter, assignor.)
Bauer, Hans A. (See Habas, W. F., and Bauer.)
Bauer, Walter. (See Röhm, O., and Bauer.)
Beament, Thomas G., Orillia, Ontario, Canada. Producing composite wear-resisting bodies. 2,155,215. Apr. 18.
Bechik, Michael, St. Paul, Minn. Handle for mattresses and the like. 2,154,556; Apr. 18.
Bechik, Michael, St. Paul, Mill. Mattress holder for bedsprings. 2,154,557; Apr. 18.
Beckwith, Louis I., Brookline, Mass. Brace and braced frame. 2,154,599; Apr. 18.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 2,155,251; Apr. 18.
Beecher, Brazier K., Barberton, and W. F. Waldeck, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company. Caustic solutions. 2,155,252; Apr. 18.
Beekhuis, Herman A., Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y. Production of fertilizer. 2,155,372 Apr. 18.
Beemer, Paul K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Motor vehicle. 2,154,558; Apr. 18.
Beeny, Herbert H. (See Lloyd, A. H., and Beeny.)
Beicher, Clarence F. (See Lulek, R. N., and Belcher.)
Bell, Alfred B., assignor to Heywood-Wakefield Company, Gardner, Mass. Reversible seat-back base. 2,154,600; Apr. 18.
Bell, David A., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Frequency divider. 2,154,484; Apr. 18.
Bell Telephone Laboratories, Incorporated. (See Bachelet, A. E., assignor, and Holden.)
Bell Telephone Laboratories, Incorporated. (See Bieling, Carl A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dowd, Andrew D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, J. H., and Kent, assignors.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Johnson, John B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)
Bell Telephone Laboratories, Incorporated. (See Vroom, Edward, assignor.)
Belluche, Frank R., Racine, Wis. Sheet feeder. 2,154,485; Apr. 18.
Beloit Iron Works. (See Berry, Earl E., assignor.)
Bencker, Franz, Leverkusen-I. G. Werk, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Electrolytic cell. 2,154,830; Apr. 18.
Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous compositions. 2,154,969; Apr. 18.
Benford, Frank A. (See Adams, J. Q., and Benford.)
Bennett, James A. J., Genista, Newton Mearns, Scotland, assignor, by mesne assignments, to Autogiro Company of America. Aircraft, and sustaining rotors therefor. 2,154,601; Apr. 18.
Benson, John H., assignor to Mullins Manufacturing Corporation, Salem, Ohio. Evaporator. 2,155,003; Apr. 18.
Berg, Alfred J., Portsmouth, N. H., and J. O. Huse, U. S. Navy. Heat exchanging element and making the same. 2,154,430; Apr. 18.
Berger, Emil J., Hatfield, assignor to Dexdale Hosiery Mills, Landsdale, Pa. Producing full-fashioned stockings. 2,154,602; Apr. 18.
Berman, Bertha, New York, N. Y. Tooth brush protector. 2,154,486; Apr. 18.
Berman, Oscar, Cincinnati, Ohio. Garment. 2,155,076; Apr. 18.
Bernasconi, Eduard. (See Gubler, H., and Bernasconi.)
Berrian, Walter C., San Bruno, Calif. Computing scale. 2,154,804; Apr. 18.
Berry, Earl E., assignor to Beloit Iron Works, Beloit, Wis. Vacuum forming paper making machine. 2,154,719; Apr. 18.
Bettag, Ludwig. (See Wolff, P. H., Heim, Winter, and Bettag.)
Biele, Harry M., Hollis, assignor to Associated Press, New York, N. Y. Scanning device. 2,155,113; Apr. 18.
Bieling, Carl A., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,155,035; Apr. 18.
Bilde, Tord E. D., assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Dishwashing machine. 2,154,559; Apr. 18.
Biles, Edgar V., assignor to C. H. Graham, San Antonio, Tex. Combined road roller and grader. 2,154,720; Apr. 18.
Bird Machine Co. (See Lyons, Sanford C., assignor.)
Birkenmaier, Theodore. (See Matthews, C. L., Mosley, and Birkenmaier.)
Biszantz, Fred, assignor, to The Galion Metallic Vault Company, Galion, Ohio. Tires and tool carrying compartment in trucks. 2,155,253; Apr. 18.
Black & Decker Manufacturing Company, The. (See Decker, Alonzo G., assignor.)
Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,154,888; Apr. 18.
Black, Robert K., Horwich, England. Means for use in the demonstration of optical systems and apparatus. 2,155,114; Apr. 18.
Blair, Charles M., Jr. (See De Groote, M., Keiser, and Blair.)
Blair, James A., Taneytown, Md. Flypaper holder. 2,154,431; Apr. 18.

Blanck, Joseph I. (See Sklar, Herman, assignor.)
Bley, Rudolph S., Elizabethton, Tenn. Producing colloidal metal hydroxides. 2,154,603; Apr. 18.
Bloomer Bros. Company. (See Shearer, John P., assignor.)
Blossom, James E., Chicago, deceased; M. M. Blossom, Cook County, Ill., administratrix. Brush. 2,155,004; Apr. 18.
Blossom, Mary M., administratrix. (See Blossom, James E.)
Blount, Arthur L., Palos Verdes Estates, and M. T. Flaxman, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Automobile polish. 2,154,721; Apr. 18.
Bloxsom, Allan P., Houston, Tex. Recorder and reproducer. 2,154,722; Apr. 18.
Blue Channel Corporation, The. (See Harris, Sterling G., assignor.)
Boaden, Earl T. (See King, R., and Boaden.)
Boericke, Garth W., and W. W. Young, assignors to J. C. Shay, Incorporated, Philadelphia, Pa. Therapeutic colloid. 2,154,432; Apr. 18.
Boggs, James P., Denver, Colo. Building construction. 2,155,216; Apr. 18.
Bolinder's Fabriks Aktiebolag. (See Bilde, Tord E. D., assignor.)
Boller, Ernest R., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preserving wood. 2,154,433; Apr. 18.
Bolta Company, The. (See Jackson, Samuel B., assignor.)
Bonanno, Joseph L., Forest Hills, assignor to The Lionel Corporation, New York, N. Y. Remote control system, method, and apparatus. 2,155,343; Apr. 18.
Bond Foundry & Machine Company. (See Noros, G. C., and Kulp, assignors.)
Bond, George R., Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Dover, Del. Method and apparatus for the refining of viscous hydrocarbon oil. 2,154,434; Apr. 18.
Bonham, Stephen Z., Kingston, Pa. Combined chuck and reamer. 2,154,569; Apr. 18.
Bonnell, Ellis, Chicago, Ill. Toy airplane construction. 2,154,487; Apr. 18.
Boorharin, Leo Y., San Francisco, Calif., assignor of one-sixth to B. S. Herman, one-sixth to C. M. Bandtell, one-sixth to D. Leskovsky, one-sixth to B. E. Van Alstyne, and one-sixth to L. Herman. Massaging and cleansing device. 2,154,831; Apr. 18.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Defroster. 2,155,355; Apr. 18.
Borders, M. W., Jr. (See Carswell, F. L., and Sanches, assignors.)
Borg-Warner Corporation. (See Firth, David, assignor.)
Bornman, Graham W., Clarksdale, Miss. Cotton picker. 2,155,296; Apr. 18.
Boston, Charles W., Kenmore, N. Y. Display device. 2,154,658; Apr. 18.
Bouchard, Frank M., St. Elmo, Ala. Tooth brush guard. 2,154,435; Apr. 18.
Boucher, Harry, Shawnee, assignor of one-half to J. H. Hudson, Ardmore, Okla. Recovering and separating apparatus. 2,154,805; Apr. 18.
Bovard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Rail bond. 2,155,217; Apr. 18.
Boydston, Verne C., Seattle, Wash. Primer valve. 2,154,659; Apr. 18.
Bradt, Charles H., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Rotary duplicator. 2,154,604; Apr. 18.
Braker, William, Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Preparation of aracyl persulphides. 2,154,488; Apr. 18.
Braun, Willy, Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the pyrimidine series. 2,154,889; Apr. 18.
Brauning, Karl A., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 2,154,660; Apr. 18.
Breer, Carl, Grosse Pointe Park, and C. A. Tea, assignors to Chrysler Corporation, Detroit, Mich. Cushion testing apparatus. 2,154,561; Apr. 18.
Brieff, Adolph, Brooklyn, N. Y. Evening wrap. 2,155,077; Apr. 18.
Briggs, Robert A., Jr., West Hartford, Conn. Dust collector. 2,154,661; Apr. 18.
Briggs, Robert W., Pharr, Tex. Grubbing implement. 2,154,970; Apr. 18.
Brill, Arvel A., Ferndale, Mich. Key. 2,155,297; Apr. 18.
Brill, Arvel A., Ferndale, Mich. Key. 2,155,298; Apr. 18.
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. N-substituted-2-amino nitro-phenols. 2,155,356; Apr. 18.
Brooks, Frank S. (See Marsh, W. H., and Brooks.)
Brooks, Harry E., assignor to Reeves Pulley Company, Columbus, Ind. Oiling system. 2,155,005; Apr. 18.
Brown, Elmer L., assignor to J. B. Smith, San Francisco, Calif. Short wave radio amplifying and receiving system. 2,154,723; Apr. 18.
Brown, Francis V., assignor to Automotive Products Company Limited, London, England. Hydraulic controlling system. 2,154,832; Apr. 18.
Brown, Gordon H., assignor to Electromaster, Inc., Detroit, Mich. Range construction. 2,154,724; Apr. 18.
Brown, James C., Mount Vernon, assignor to E. Frederics, Bronxville, N. Y. Treatment of hair. 2,155,178; Apr. 18.
Brown, Raymond G., Columbus, Ohio. Film pack for color photography. 2,155,078; Apr. 18.
Broyles, Grace A., Kenosha, Wis. Hair remover device. 2,155,299; Apr. 18.
Bruni, Fausto, New Brunswick, N. J. Shoe sole and heel edge trimming and finishing tool. 2,154,971; Apr. 18.
Brunken, Johannes. (See Fricke, H., and Brunken.)
Bruno, Samuel J., Jersey City, N. J. Metal bending machine. 2,155,160; Apr. 18.
Buck, Richard S., Wethersfield, assignor to United Aircraft Corporation, East Hartford, Conn. Vibration damper. 2,154,489; Apr. 18.
Bucks, David H., Milwaukee, Wis. Toe shield. 2,154,662; Apr. 18.
Budd, Edward G., Manufacturing Company. (See Harwick, H. K., and Tramblie, assignors.)
Buggie, H. H., & Company. (See Cook, Everett J., assignor.)
Burch, Oscar G., Alton, Ill., assignor to Owens-Illinois Glass Company. Treating hollow glass articles. 2,154,490; Apr. 18.
Bury, Paul A. (See Frey, F. E., and Bury.)
Buttner, William C., Winnetka, and R. E. Evarts, assignors to The Bastian-Blessing Co., Chicago, Ill. Buried gas system. 2,155,179; Apr. 18.
Bybee, Robert L., Horseshoe Bend, Idaho. Collapsible sign. 2,155,300; Apr. 18.
Byland, Conrad F., assignor to Dresag A. G., Zurich, Switzerland. Destroying the energy of mass oscillations of solid bodies. 2,155,052; Apr. 18.
Byrkit, Rollin J., Jr., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Hydrogenation process. 2,155,036; Apr. 18.
C. S. I. Development Corporation. (See Parker, Louis W., assignor.)
Cady, George H. (See Muskat, I. E., and Cady.)
Cain, Basil S., Erie, Pa., assignor to General Electric Company. Bearing lubricating system. 2,155,218; Apr. 18.
Calco Chemical Company, The. (See Parker, Robert P., assignor.)
Caldwell, Walter T., assignor to The George E. Failing Supply Company, Enid, Okla. Pump liner. 2,155,180; signor.)
Calorider Corporation. (See Downs, C. R., and Spiselman, assignors.)
Calorider Corporation. (See Spiselman, J. W., and Downs, assignors.)
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Co. Hand brake actuating mechanism. 2,154,663; Apr. 18.
Campbell, Arthur B. (See Hawthorne, K. C., and Campbell.)
Campbell, Wyant & Cannon Foundry Company. (See Aske, Irving E., assignor.)
Caneghem, Jerome V., Philadelphia, Pa. Burglar alarm. 2,154,972; Apr. 18.
Carbide and Carbon Chemicals Corporation. (See Wilson, Alexander L., assignor.)
Carbide and Carbon Chemicals Corporation. (See Wilson, A. L., assignor, and Morin.)
Card, Frederic M., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming mechanism for sewing machines. 2,155,301; Apr. 18.
Carle, Guy F. (See Mueller, R. W., and Carle.)
Carr, Clifford E. (See Perkins, M. A., and Carr.)
Carswell, Firman L., and R. F. Sanchez, Kansas City, Kans., assignors to M. W. Borders, Jr., Kansas City, Mo. Composition to increase the efficiency of internal combustion engines. 2,154,664; Apr. 18.
Carter, Lionel A., Webster Groves, assignor to Lehman Machine Company, St. Louis, Mo. Fluid operated change speed mechanism. 2,154,605; Apr. 18.
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Catlin, Willard E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Abrasive. 2,154,436; Apr. 18.
Celanese Corporation of America. (See Hale, F. C., and Hardy, assignors.)
Celanese Corporation of America. (See Jabouley, Joany, assignor.)
Celastic Corporation, The. (See Howard, Willard, assignor.)
Central Metallic Casket Co. (See Larson, Raymond, assignor.)
Chamberlain, Paul R. (See Tyler, W. E., Chamberlain, and Loveland.)
Chambers, John E., Shelbyville, Ind. Stove. 2,154,491; Apr. 18.
Chemical Works Formerly Sandoz. (See Kartaschoff, V., and Link, assignors.)
Cherry-Burrell Corporation. (See Rodgers, Frederick, assignor.)
Cheswright, Leonard K. (See McCarroll, J., and Cheswright.)
Chibnik, Harry, Sioux Falls, S. Dak. Plow. 2,154,973; Apr. 18.
Chicago Telephone Supply Company. (See Haselwood, Willis E., assignor.)

Christensen, Christen, Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Switch. 2,154,665; Apr. 18.
Christensen, Erling, Brush, Colo. Insect exterminator. 2,154,418; Apr. 18.
Chrysler Corporation. (See Beemer, Paul K., assignor.)
Chrysler Corporation. (See Breer, C., and Tea, assignors.)
Chrysler Corporation. (See Hicks, Harold A., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Maurer, Edwin R., assignor.)
Chrysler Corporation. (See Way, Gilbert, assignor.)
Church, Harold D. (See Anderson, Raymond M., assignor.)
Churgin, Leopold, Newark, N. J. Flexible grinder. 2,155,037; Apr. 18.
Chwala, August. (See Waldmann, E., and Chwala.)
Clamp Nail Company. (See Heyser, Arthur C., assignor.)
Clark, Jesse H., Chicago, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc. Washing apparatus. 2,155,254; Apr. 18.
Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Copying lathe. 2,154,725; Apr. 18.
Clausing, George, assignor to Vulcan Corporation, Portsmouth, Ohio. Toe spring correction attachment for last lathes. 2,154,726; Apr. 18.
Clave, Alfred O. (See Clave, Irene L. and A. O.)
Clave, Irene L. and A. O., St. Paul, Minn. Ice cream dispenser. 2,154,806; Apr. 18.
Clayton Manufacturing Company. (See Kerrick, Walter B., assignor.)
Clopay Corporation. (See Johnson, Samuel J., assignor.)
Clough, Newsome H., Brentwood, England, assignor to Radio Corporation of America. Radio signaling system. 2,154,492; Apr. 18.
Coberly, Clarence J., Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev. Fluid operated pump. 2,154,727; Apr. 18.
Cohn, David. (See De Cesare, M., and Cohn.)
Cohn & Rosenberger, Inc. (See Toth, Geiza B. K., assignor.)
Cold Metal Process Company, The. (See Lamb, Howard S., assignor.)
Coleman, Guy C., and H. Foster, Los Angeles, Calif. Matrix storage system for type making machines. 2,154,728; Apr. 18.
Collins, Douglas, Salisbury, N. C. Hydraulic braking system. 2,155,302; Apr. 18.
Collins, Thomas A. (See Simpson, D. C., and Collins.)
Collway Colors, Inc. (See O'Brien, Robert J., assignor.)
Color Research Corporation. (See Grimson, S. B., and Lipp, assignors.)
Colton, Raymond W., Washington, D. C. Control mechanism applicable to radio tuning and other uses. 2,154,437; Apr. 18.
Compagnie pour la Fabrication des Compteur et Materiel d'Usines a Gaz. (See Barthelemy, René, assignor.)
Conill, Fernan O., New York, N. Y. Hair waving apparatus. 2,155,115; Apr. 18.
Conklin, Frederick R., Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Manufacture of decorative plastics. 2,154,438; Apr. 18.
Conklin, Frederick R., Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparing plastics. 2,155,303; Apr. 18.
Container Fitments, Inc. (See Baldwin, J. H., and Knudsen, assignors.)
Continental Gin Company. (See Deems, Frank E., assignor.)
Continental Oil Company. (See Lincoln, Bert H., assignor.)
Cook, Everett J., assignor to H. H. Buggie & Company, Toledo, Ohio. Duplicating machine. 2,154,974; Apr. 18.
Cooke, James W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,155,373; Apr. 18.
Cooke, Maurice B., Plainfield, N. J., and E. Petty, Scarsdale, N. Y., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Deasphalting and dewaxing hydrocarbon oils. 2,154,493; Apr. 18.
Cooper, Sutton, assignor of one-half to E. A. Lorch, Evansville, Ind. Animal trap. 2,155,006; Apr. 18.
Corey, George H., assignor of forty-five per cent to E. Mantell, and ten per cent to Levisohn Niner & Levisohn, New York, N. Y. Radio tuning apparatus. 2,155,304; Apr. 18.
Corlett, Webster D., Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn. Valve tappet and adjusting screw assembly. 2,154,494; Apr. 18.
Cornelius, Anders E. A. S., Baltimore, Md., assignors to Crown Cork & Seal Company, Inc. Preparing alkali salts. 2,154,439; Apr. 18.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Manufacturing wrought nonferrous pipe fittings. 2,155,079; Apr. 18.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Elbow and kindred pipe fittings. 2,155,080; Apr. 18.
Corning Glass Works. (See Martin, Harold K., assignor.)
Corsa, Howard P., Bala Cynwyd, Pa. Adjusting and fastening means for corsets, girdles, and the like. 2,155,305; Apr. 18.
Cory, Marcus M., San Diego, Calif. Device for treating fluids. 2,154,807; Apr. 18.
Corzine, Chalmers S., assignor of one-tenth to J. W. Kintzinger, Jr., Dubuque, Iowa. Automatic braking device. 2,154,729; Apr. 18.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Automatic planetary automotive transmission. 2,154,419; Apr. 18.
Courtaulds, Limited. (See Stokes, William H., assignor.)
Covington, George W., Kansas City, Kans. Chair. 2,154,606; Apr. 18.
Cowan, Frank M., Plainfield, N. J., and F. C. Evans, Dongan Hills, assignors to American District Telegraph Company Inc., New York, N. Y. Temperature-responsive control system. 2,155,344; Apr. 18.
Cowan, Frank M., Plainfield, N. J., and F. C. Evans, Great Kills, assignors to American District Telegraph Company, New York, N. Y. Automatic compensation means for aerotube fire alarm systems. 2,155,345; Apr. 18.
Cox, Irvin W., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Magnetic material. 2,154,730; Apr. 18.
Cox, John G., Wichita Falls, Tex. Combination shutter and awning. 2,155,116; Apr. 18.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Temperature control system. 2,155,255; Apr. 18.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Temperature regulating system. 2,155,256; Apr. 18.
Cramp, John W., and G. W. Dooley, San Bernardino, Calif. Window adjuster. 2,154,808; Apr. 18.
Crane, Hubert R., Los Angeles, Calif. Sewer rod power. 2,154,666; Apr. 18.
Crapo, Oscar H., Dartmouth, Mass. Apparatus for plucking fowl. 2,154,420; Apr. 18.
Creteur, Rudolph W., Sunnyside, Long Island, assignor to Sunair Auto Top Company, Inc., New York, N. Y. Roof panel device. 2,155,357; Apr. 18.
Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid compressor. 2,155,257; Apr. 18.
Crosley Corporation, The. (See Crosley, L. M., and Money, assignors.)
Crosley Corporation, The. (See Gray, Walter P., assignor.)
Crosley, Lewis M., and R. H. Money, Cincinnati, Ohio, assignors to The Crosley Corporation. Construction of evaporator units and composite evaporators. 2,154,562; Apr. 18.
Crotts, Andrew P., assignor of one-sixth to J. T. Crotts, one-sixth to L. A. Edwards, and one-sixth to C. P. McKinney, Marlow, Okla. Roll material dispenser. 2,154,440; Apr. 18.
Crotts, James T., et al. (See Crotts, Andrew P., assignor.)
Crouse-Hinds Company. (See Olley, Raymond H., assignor.)
Crowe, Thomas B. (See Mills, L. D., and Crowe.)
Crowley, Enos W., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn. Nozzle. 2,154,731; Apr. 18.
Crown Cork & Seal Company. (See Cornelius, Anders E. A. S., assignor.)
Crown Cork & Seal Company. (See Pearson, Thomas F., assignor.)
Cunningham, Arthur W., Dayton, Ohio. Collapsible gate. 2,154,421; Apr. 18.
Curtiss, Rollo Burkett, Richland, N. Y. Costumer. 2,154,833; Apr. 18.
Cutler-Hammer, Inc. (See Swanson, Karl O., assignor.)
Cyr, Benjamin, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid flow regulator. 2,155,358; Apr. 18.
Dahl, Edwin, Denver, Colo. Post hole punch. 2,154,732; Apr. 18.
Dahlberg, Tord O. R., assignor to Kooperativa Förbundet, Förening u. p. a., Stockholm, Sweden. Indicator wheel for cash registers and the like. 2,154,495; Apr. 18.
Dalby, Gaston. (See Hoffman, C., Dalby, and Schweitzer.)
Dällenbach, Walter, Berlin-Charlottenburg, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Electronic tube. 2,154,758; Apr. 18.
Danielsson, Erik. (See Skaraas, B., and Danielsson.)
Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Tool holder. 2,154,496; Apr. 18.
Dashkin, Sol, Brooklyn, N. Y. Stereopticon slide. 2,154,890; Apr. 18.
Davidson, Alexander B., Greensville, Ontario, Canada. Insulator for handled vessels. 2,154,667; Apr. 18.
Davies, John S. H., and M. Wyler, Manchester, and P. A. Barrett and R. P. Linstead, London, England, assignors to Imperial Chemical Industries Limited. Compounds of the phthalocyanine series. 2,155,038; Apr. 18.
Davis, Benjamin S., Newport News, Va. Tablet. 2,155,117; Apr. 18.
Davis, Elwood T., Brookline, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring system. 2,155,346; Apr. 18.
Day, J. H., Company, The. (See Liebelt, Adolph A., assignor.)

De Baufre, William L., Lincoln, Nebr. Method and apparatus for separating ethylene from a gaseous mixture with ethane, methane, and hydrogen. 2,154,668; Apr. 18.
De Cesare, Matteo, Newark, N. J., and D. Cohn, Brooklyn, N. Y., assignors to Eyedoll Corporation, Jersey City, N. J. Doll construction. 2,155,081; Apr. 18.
Decker, Alonzo G., Towson, Md., assignor to The Black & Decker Manufacturing Company. Portable electric tool and casing. 2,155,082; Apr. 18.
Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Huller cotton gin. 2,155,181; Apr. 18.
Defiance Manufacturing Company. (See Graham, Clarence T., assignor.)
De Groote, Melvin, University City, B. Keiser, and C. M. Blair, Jr., assignors to The Tret-O-Lite Company, Webster Groves, Mo. Composition of matter and process for resolving petroleum emulsions. 2,154,422; Apr. 18.
De Groote, Melvin, University City, B. Keiser, and C. M. Blair, Jr., assignors to The Tret-O-Lite Company, Webster Groves, Mo. Composition of matter and process for resolving petroleum emulsions. 2,154,423; Apr. 18.
De Kay, Robert E., Los Angeles, Calif. Motion picture apparatus. 2,154,809; Apr. 18.
De Lamatter, William W., Cleveland Heights, Ohio. Rubber coated objects and production. 2,154,834; Apr. 18.
De Loache, Robert L., Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic reclosing circuit breaker system. 2,154,669; Apr. 18.
Dennis, John E., Gardiner, N. Mex. Adjustable holder for goggles and the like. 2,155,258; Apr. 18.
Den Outer, Marius, Rijswijk, assignor to Naamlooze Vennootschap Velotype Systeem den Outer, Rotterdam, Netherlands. Keyboard for a shorthand or stenographic typewriting machine. 2,154,577; Apr. 18.
De Orlow, Stephen, Detroit, Mich. Hinge and prop structure. 2,154,733; Apr. 18.
DeReamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp socket. 2,155,240; Apr. 18.
De Sakhnoffsky, Alexis, Philadelphia, Pa., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Velocipede construction. 2,154,472; Apr. 18.
Detroit Lubricator Company. (See Stoll, Frank A., assignor.)
Detroit Lubricator Company. (See von Wangenheim, Adolf, assignor.)
Detroit Lubricator Company. (See von Wangenheim, A., and Landon, assignors.)
Deutsche Edelstahlwerke Aktiengesellschaft. (See Schustek, R., and Pakulla, assignors.)
Deutsches Reich, Reichsmonopolverwaltung für Branntwein. (See Karsch, Walter, assignor.)
D'Ewart, Benjamin B. (See Morse, L. G., and D'Ewart.)
Dewey Portland Cement Company. (See Tyler, W. E., Chamberlain, and Loveland, assignors.)
Dexdale Hosiery Mills. (See Berger, Emil J., assignor.)
D'Humy, Fernand E., Scarsdale, N. Y., and L. W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,154,441; Apr. 18.
Dickson, James T., Lakewood, Ohio, assignor to General Electric Company. Liquid dispenser filter. 2,155,259; Apr. 18.
Diehl, Walter S., U. S. Navy. Wire vibration damper. 2,154,442; Apr. 18.
Dietmann, Paul W., Jonkoping, Sweden. Match packet manufacturing machine and method. 2,155,118; Apr. 18.
Differential Wheel Corporation. (See Durham, Hobart N., assignor.)
Diller, Isaac M., Brooklyn, N. Y. Cream whipping gas and producing whipped cream. 2,155,260; Apr. 18.
Disbrow, Earl E. (See Perrin, J. C., and Disbrow.)
District of Columbia Paper Mills, Incorporated. (See Harrigan, Herman R., assignor.)
Dodge, Ralph L., Wilmington, Del. Card playing game. 2,154,891; Apr. 18.
Doing, Warren P., Garden City, assignor to Atlas Supply Co. Inc., Brooklyn, N. Y. Flashing. 2,154,734; Apr. 18.
Dolbear, Clinton E., Los Angeles, Calif., assignor to P. and P. K. Wiseman and C. E. Dolbear, trustees. Refining petroleum distillates. 2,154,424; Apr. 18.
Donally, Kingman N., Bellerose, N. Y. Signaling device. 2,154,670; Apr. 18.
Dooley, George W. (See Cramp, J. W., and Dooley.)
Doom, Ernest F., Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Stabilizing manganese alloys. 2,154,607; Apr. 18.
Dow Chemical Company, The. (See Bass, H. L., and Van Duzee.)
Dow Chemical Company, The. (See, Britton, E. C., and Moyle, assignors.)
Dowd, Andrew D., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater. 2,154,608; Apr. 18.
Downs, Charles R. (See Spiselman, J. W., and Downs.)
Downs, Charles R., Old Greenwich, Conn., and J. W. Spiselman, Brooklyn, N. Y., assignors to Calorider Corporation, Greenwich, Conn. Forming lumps of calcium chloride. 2,154,671; Apr. 18.
Downs, Charles R., Old Greenwich, Conn., and J. W. Spiselman, Mamaroneck, N. Y., assignors to Calorider Corporation, Greenwich, Conn. Formed bodies of solid calcium chloride hydrate. 2,154,672; Apr. 18.
Dresag, A. G. (See Byland, Conrad F., assignor.)
Drewett, Arthur F. (See Henton, A. O., and Drewett.)
Drewsen, Pierre, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Roll clearing. 2,155,083; Apr. 18.
Driscoll, Edward J. and W. L., West Springfield, Mass. Bracing device. 2,154,735; Apr. 18.
Driscoll, William L. (See Driscoll, Edward J. and W. L.)
Dufour, Léon, Versoix, Switzerland. Two-cycle engine. 2,154,975; Apr. 18.
Dunnell, Warren W., Los Angeles, Calif. Dispensing container. 2,155,084; Apr. 18.
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. See Catlin, Willard E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fiedler, Stuart O., assignor.)
Du Pont, E. I., de Nemours & Company. See Hull, Richard O., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kepfer, Raymond J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lulek, R. N., and Belcher, assignors.)
Du Pont, E. I., de Nemours & Company. See Oplinger, Floyd F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Perkins, M. A., and Carr, assignors.)
Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)
Durham, Hobart N., Munsey Park, N. Y., assignor to Differential Wheel Corporation. Automotive vehicle. 2,154,497; Apr. 18.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dursch, Frank, Philadelphia, Pa. Gang lawn mower. 2,155,182; Apr. 18.
Dursch, Frank, Philadelphia, Pa. Reciprocating mower or cutting mechanism. 2,155,183; Apr. 18.
Dwyer, William L., and M. J. Healey, assignors to Railway Service & Supply Corporation, Indianapolis, Ind. Journal box closure. 2,154,892; Apr. 18.
Dyer, Newell V., Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,154,563; Apr. 18.
Eagar, Oscar W., Taft, Calif. Expanding pipe plug. 2,154,498; Apr. 18.
Earle, Theodore, Pacific Palisades, Calif. Separation of seeds by froth flotation. 2,155,219; Apr. 18.
Eastman Kodak Company. (See Conklin, Frederick R., assignor.)
Eastman Kodak Company. (See McNally, James G., assignor.)
Ebner, Karl, Oberursel, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Process of and apparatus for the thermal decomposition of substances or mixtures of same. 2,155,119; Apr. 18.
Eck, Carl A., Stockholm, Sweden. Portable heat radiator. 2,154,976; Apr. 18.
Eclipse Aviation Corporation. (See Baer, H., and Finnegan, assignors.)
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Olshevsky, Dimitry E., assignor.)
Edison General Electric Appliance Company. (See Clark, Jesse H., assignor.)
Edison General Electric Appliance Company. (See Randolph, Charles P., assignor.)
Edwards, Henry J., Ottawa Hill, assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Mechanism control. 2,154,929; Apr. 18.
Edwards, Lawrence A., et al. (See Crotts, Andrew P., assignor.)
Edwards, Thomas O., Jr., Associated, and D. D. Stark, Watson, assignors, by mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif. Sulphuric acid treatment of oils. 2,155,007; Apr. 18.
Egloff, Hans C., assignor to Sulzer Freres Société Anonyme, Winterthur, Switzerland. Steam generator apparatus. 2,155,039; Apr. 18.
Ehret, Clement, White Plains, N. Y. Washing and drying dishes and apparatus for practicing same. 2,155,220; Apr. 18.
Elmco Corporation, The. (See Mayer, Robert S., assignor.)
Elsenhut, Otto, Heidelberg, H. Rein, Homberg von der Hohe, and H. Widmann, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial threads or the like. 2,154,893; Apr. 18.

Eisenlohr, Friedrich, assignor to G. Staehle Kommanditgesellschaft, Stuttgart-Bad Cannstatt, Germany. Power driven, manually guided lawn mower. 2,154,564; Apr. 18.
Eisenlohr, Gustav W., Wyoming, assignor to The M. Werk Company, St. Bernard, Ohio. Hydrolyzing oils and fats. 2,154,835; Apr. 18.
Eisenstein, Bernard H., Laurelton, N. Y. Dental jacket. 2,154,499; Apr. 18.
Electric Storage Battery Company, The. (See Kershaw, William E., assignor.)
Electrical Engineers Equipment Co. (See Christensen, Christen, assignor.)
Electrical Research Laboratories Inc. (See Schnell, William J., assignor.)
Electro Metallurgical Company. (See Doom, Ernest F., assignor.)
Electromaster, Inc. (See Brown, Gordon H., assignor.)
Elevator Supplies Company. (See Zarafu, Herman, assignor.)
Elliott, Morris A., Baltimore, Md. Flexible adapter coupling. 2,155,008; Apr. 18.
Elmendorf, Duryea E., Shaker Heights, Ohio, assignor to General Electric Company. Apparatus for prefocusing lamps. 2,154,500; Apr. 18.
Emery, Charles R. (See Kemp, LeRoy F., assignor.)
Endres, John J., Riverside, Ill. Combined manifold record sheet and envelope. 2,154,736; Apr. 18.
Erdmann, Konrad, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Electric furnace. 2,154,737; Apr. 18.
Erie Malleable Iron Company. (See Vanderveer, Jewell W., assignor.)
Erie Resistor Limited. (See Henton, A. O., and Drewett, assignors.)
Essex, William G., Southport, England. Reclaiming vulcanized rubber. 2,154,894; Apr. 18.
Evans, Francis C. (See Cowan, F. M., and Evans.)
Evans Products Company. (See Lintern, William and A. R.)
Evans, Theodore, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Purification of polyhydric alcohols. 2,154,930; Apr. 18.
Evarts, Ralph E. (See Buttner, W. C., and Evarts.)
Eyedoll Corporation. (See De Cesare, M., and Cohn, assignors.)
F. N. F. Limited. (See Morton, James, and Hannay, assignors.)
Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Fastener attaching apparatus. 2,155,085; Apr. 18.
Fabbrica Italiana Magneti Marelli Soc. An. (See Quintavalle, Umberto, assignor.)
Fabbrica Italiana Magneti Marelli Societa Anonima. (See Kamenarovic, Leone, assignor.)
Fabian, Constantine F., Brookfield, Conn., and A. N. Sachanen, Woodbury, N. J., assignors to The Non-Mercuric Carrot Company, Danbury, Conn. Carroting fur and the like and composition therefor. 2,155,161; Apr. 18.
Failing, George E., Supply Company, The. (See Caldwell, Walter T., assignor.)
Fairbourne, Arthur. (See Furness, R., and Fairbourne.)
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction brake. 2,155,221; Apr. 18.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake device. 2,155,222; Apr. 18.
Farrell, H. M., et al. (See Hunter, Ray, assignor.)
Fastener Corporation. (See Krantz, Edward, assignor.)
Fawcett, Eric W., R. O. Gibson, and M. W. Perrin, Winnington, Northwich, England, assignors to Imperial Chemical Industries Limited. Manufacture of polymerized drying oils. 2,155,009; Apr. 18.
Fedders Manufacturing Company. (See Lear, Joseph D., assignor.)
Fedders Manufacturing Company. (See Smith, Lawrence C., assignor.)
Feldman, Jerome J., New York, N. Y. Hair curler. 2,154,501; Apr. 18.
Fellows, Julian R., Urbana, Ill. Down-draft burner. 2,155,120; Apr. 18.
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Conveyer. 2,155,306; Apr. 18.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Fiedler, Stuart O., Kennore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread production. 2,154,609; Apr. 18.
Fiene, Marcus E., Ballston Lake, N. Y., assignor to General Electric Company. Heat transfer system. 2,155,261; Apr. 18.
Fiene, Marcus E., Ballston Lake, N. Y., assignor to General Electric Company. Comfort responsive apparatus. 2,155,262; Apr. 18.
Fife, Kenneth E., Toronto, Ontario, Canada. Oil filter. 2,154,565; Apr. 18.
Fike, Roy, Ravenna, Ky. Vehicle wheel brake. 2,154,836; Apr. 18.
Finnegan, Martin J. (See Baer, H., and Finnegan.)
Finsterwalder, Ulrich, Berlin-Wilmersdorf, Germany. Ferro-concrete beam. 2,155,121; Apr. 18.
Firth, David, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Carburetor. 2,155,162; Apr. 18.
Fischer, Erich, and W. Gmelin, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs soluble in water. 2,154,838; Apr. 18.
Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Monoazo dyestuffs insoluble in water. 2,154,837; Apr. 18.
Fisher, Robert P., Los Angeles, assignor of fifty-one per cent to R. Pageman, Los Angeles County, Calif. Roller bit bearing. 2,155,040; Apr. 18.
Fisher, W. Reuen, Frankenmuth, Mich. Punch holder. 2,154,738; Apr. 18.
Fitzgerald, Haroid G. (See Swager, William F., assignor.)
Flaxman, Marcellus T. (See Blount, A. L., and Flaxman.)
Fleck, Leroy S., and A. A. Mansbach, New York, N. Y. Reclamation of metals. 2,154,673; Apr. 18.
Fleury, Alexander L., Milwaukee, Wis. Rope fastener. 2,154,610; Apr. 18.
Floeter, Frederick S., Saginaw, Mich. Tool holder for lathes. 2,154,739; Apr. 18.
Flurscheim, Cedric H., Fleet, England, assignor to General Electric Company. Multibreak high voltage circuit breaker. 2,155,263; Apr. 18.
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Co., Chicago, Ill. Motor armature. 2,154,740; Apr. 18.
Forssell, Carl A., Stockholm, Sweden. Power bond. 2,154,674; Apr. 18.
Fort Stanwix Manufacturing Co. (See Ahles, George J., assignor.)
Foster, Boutwell H., Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Drafting apparatus and method. 2,154,675; Apr. 18.
Foster, Hugh. (See Coleman, G. C., and Foster.)
Fox, Frederick L., Washington, D. C. Burner igniting device. 2,155,122; Apr. 18.
Franklin, Lawrence W. (See d'Humy, F. E., and Franklin.)
Franklin, Marvin R., Elwood, Ind. Truck. 2,154,839; Apr. 18.
Frantz, Walter A., Cleveland Heights, and J. J. McCabe, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Liquid supply and control device. 2,154,566; Apr. 18.
Fraser, Douglas, & Sons Limited. (See Fraser, Gordon S., assignor.)
Fraser, Gordon S., assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland. Sliver balling machine and yarn and the like winding machines. 2,155,041; Apr. 18.
Frederick Post Company, The. (See Hinman, W. M., and Hollmann, assignors.)
Frederics, Ernest. (See Brown, James C., assignor.)
Freed, Edward A., Moline, Ill. Method and apparatus for forming blower wheels. 2,155,164; Apr. 18.
Freeland Spool and Bobbin Corp. (See Markle, George B., Jr., assignor.)
Freeman, Andrew F., Hyattsville, Md., dedicated to the Free Use of the People in the Territory of the United States. Insecticide. 2,155,010; Apr. 18.
French & Hecht, Incorporated. (See Hecht, Joseph L., assignor.)
French, Henry C., and H. C. Frentzel, Jr., assignors to The Heil Co., Milwaukee, Wis. Scraper. 2,154,503; Apr. 18.
French, Parker H., Somerville, assignor to Trimount Coin Machine Company, Boston, Mass. Vending machine. 2,154,443; Apr. 18.
French, Stanley F., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Hollow electric conductor. 2,154,502; Apr. 18.
Frenkel, Leo, New York, assignor to The Hatters' Fur Exchange, Inc., Walden, N. Y. Treatment of fibrous material of vegetable and mineral origin. 2,155,223; Apr. 18.
Frentzel, Herman C., Jr. (See French, H. C., and Frentzel.)
Frey, Frederick E., and P. A. Bury, assignors to Phillips Petroleum Company, Bartlesville, Okla. Improving and purifying petroleum byproducts. 2,154,444; Apr. 18.
Fricke, Hans, Wolfen, Kreis Bitterfeld, and J. Brunken, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Hardening protein substances. 2,154,895; Apr. 18.
Friden, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Extrusion press. 2,154,611; Apr. 18.
Friedlob, Fred M. (See Amberg, Walter E., assignor.)
Fujiura, Motoi, San Francisco, Calif. Orchard heater. 2,155,184; Apr. 18.
Fulton Bag and Cotton Mills. (See Marbury, H. B., and Jones, assignors.)
Furness, Reginald, Warrington, and A. Fairbourne, Bebington, assignors to Lever Brothers Limited, Port Sunlight, England. Detergent product and making same. 2,154,977; Apr. 18.

G. & A. Laboratories. (See Hasselstrom, Torsten, assignors.)
Gagnier, George E. (See Place, Bion C., assignor.)
Gailor, Chester F., Brooklyn, N. Y., assignor to The Rails Company, New Haven, Conn. Tie plate. 2,154,931; Apr. 18.
Galion Metallic Vault Company, The. (See Biszantz, Fred. assignor.)
Galvin, Herbert D., London, assignor to L. C. Engineering Supplies Limited, New Malden, Surrey, England. Cooking, heating, or like apparatus for treating tins of food or other articles. 2,154,978; Apr. 18.
Gangel, Jay C., Oceanside, assignor to Merill-Neil Co., Inc., New York, N. Y. Imprinting or embellishing apparatus. 2,155,185; Apr. 18.
Gannett, Chauncey W., assignor to Wellington Machine Company, Wellington, Ohio. Wheel. 2,154,932; Apr. 18.
Garbutt, Charles D., Revere, Mass. Rubber sole and heel combination and shoe containing the same. 2,154,612; Apr. 18.
Gard, Eldon T., South Bend, Ind. Earth conditioning machine. 2,154,840; Apr. 18.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,154,445; Apr. 18.
Gefficken, Heinrich, and H. Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y. Illumination switch. 2,155,224; Apr. 18.
Geneff, Christo N., Sofia, Bulgaria. Manufacture of a 3-alkoxy-4-hydroxy-benzaldehyde. 2,154,979; Apr. 18.
General Aniline Works, Inc. (See Braun, W., and Koeberle, assignors.)
General Aniline Works, Inc. (See Fischer, Ernst, assignor.)
General Aniline Works, Inc. (See Fischer, E., and Gmelin, assignors.)
General Aniline Works, Inc. (See Muehlbauer, F., and Niemann, assignors.)
General Aniline Works, Inc. (See Paquin, Max, assignor.)
General Aniline Works, Inc. (See Wolff, P. H., Heim, Winter, and Bettag, assignors.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Electric Company. (See Adams, J. Q., and Benford, assignors.)
General Electric Company. (See Bedford, Burnice D., assignor.)
General Electric Company. (See Cain, Basil S., assignor.)
General Electric Company. (See Cooke, James W., assignor.)
General Electric Company. (See Crago, Harry R., assignor.)
General Electric Company. (See De Reamer, Frank C., assignor.)
General Electric Company. (See Dickson, James T., assignor.)
General Electric Company. (See Elmendorf, Duryea E., assignor.)
General Electric Company. (See Fiene, Marcus E., assignor.)
General Electric Company. (See Flurscheim, Cedric H., assignor.)
General Electric Company. (See Hathaway, Claude M., assignor.)
General Electric Company. (See Heumann, Gerhart W., assignor.)
General Electric Company. (See Hoffmann, Daniel C., assignor.)
General Electric Company. (See Hubbard, A. B., and Stanton, assignors.)
General Electric Company. (See Johnson, Wilfrid E., assignor.)
General Electric Company. (See Jones, Benjamin W., assignor.)
General Electric Company. (See Korndörfer, Hubert, assignor.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Perrott, Laurence F., assignor.)
General Electric Company. (See Safford, Moyer M., assignor.)
General Electric Company. (See Sambleson, Robert F., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Warner, Donald F., assignor.)
General Electric Company. (See White, A. J., and Johnson, assignors.)
General Motors Corporation. (See Georgiev, Alexander M., assignor.)
General Motors Corporation. (See Karmazin, John, assignor.)
General Motors Corporation. (See Paulus, Charles L., assignor.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
General Motors Corporation. (See Teeter, Wilford H., assignor.)
General Refractories Company. (See Heuer, Russell P., assignor.)
General Refractories Company. (See Tracy, Jay B., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Geophysical Research Corporation. (See Weatherby, Benjamin B., assignor.)
Georgetown Silk Company. (See Hill, E. G., and Seem, assignors.)
Georgiev, Alexander M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electrolyte. 2,155,086; Apr. 18.
Gerardy, Robert, Atchison, Kans. Folding steering wheel. 2,155,123; Apr. 18.
Gerlach, Erwin, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Reflector microphone. 2,155,163; Apr. 18.
Gerndt, Robert E., Munising, Mich. Four-wheel brake equalizer. 2,155,042; Apr. 18.
Getz, Benjamin E., et al. (See Getz, J. B., and Leader, assignors.)
Getz, John B., and J. H. Leader, assignors to said J. B. Getz and B. E. Getz, Morton, Ill. Machinery for making wire fencng. 2,155,186; Apr. 18.
Gibb, Robert H., Carlisle, Pa. Sectional ductor roller. 2,154,896; Apr. 18.
Gibbons, Michael A., Philadelphia, Pa. Valve unit. 2,155,124; Apr. 18.
Gibbs, Harry F., Warren, Ohio. Removable water-cooled slag pot. 2,154,980; Apr. 18.
Gibson, Reginald O. (See Fawcett, E. W., Gibson, and Perrin.)
Gilbert, A. C., Company, The. (See Anketell, Edward N., assignor.)
Gill, Walter L., Redlands, Calif. Electric storage battery. 2,154,841; Apr. 18.
Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Railway car end wall. 2,155,265; Apr. 18.
Girdler Corporation, The. (See Phelps, Paul, assignor.)
Girdler Corporation, The. (See Phelps, P., and Hohl, assignors.)
Girdler Corporation, The. (See Phelps, P., and Zoeller, assignors.)
Glenn, Russell P., Abilene, Tex.; J. F. Handy, executor. Headlight system and means. 2,154,842; Apr. 18.
Glenn, Samuel J., Toronto, Ontario, Canada. Floor waxing device. 2,155,125; Apr. 18.
Gmelin, Walter. (See Fischer, E., and Gmelin.)
Goeddertz, Henry, Denver, Colo. Trailer. 2,154,810; Apr. 18.
Gold, Bruce E. (See Gold, Samuel B. and B. E.)
Gold, Samuel B. and B. E., Independence, assignors to Weber Engine Company, Kansas City, Mo. Internal combustion engine. 2,154,504; Apr. 18.
Goldmark, Peter C., Brooklyn, assignor to Markia Corporation, New York, N. Y. Sound and television receiving system. 2,155,126; Apr. 18.
Good, John N. (See Hewitt, E. E., and Good.)
Gorskey, Elmer J., Milwaukee, Wis. Boat mooring apparatus. 2,155,043; Apr. 18.
Goss, Philip S., San Francisco, Calif., assignor to The Phillips Corporation, Portland, Oreg. Primer valve. 2,154,811; Apr. 18.
Goss Printing Press Company, The. (See Taylor, Auburn, assignor.)
Goulding, Charles E., Sr., Tampa, Fla. Oil burner. 2,154,567; Apr. 18.
Graham, Carl H. (See Biles, Edgar V., assignor.)
Graham, Clarence T., North Attleboro, assignor, by mesne assignments, to Defiance Manufacturing Company, Barrowsville, Mass. Fabric. 2,155,127; Apr. 18.
Grant, Henry M., Mount Vernon, N. Y. Unit building construction. 2,154,897; Apr. 18.
Grassmann, Wolfgang, Dresden-Loschwitz, and H. Schelz, assignors to the firm Studiengesellschaft der Deutschen Lederindustrie G. m. b. H., Dresden, Germany. Depilating hides and skins. 2,155,087; Apr. 18.
Gray, Jesse L., assignor to Armstrong Paint & Varnish Works, Chicago, Ill. Can. 1,154,741; Apr. 18.
Gray, Joseph H., Elizabeth, N. J., and R. J. Kent, Jamaica, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire laying machine. 2,155,044; Apr. 18.
Gray, Walter P., assignor to The Crosley Corporation, Cincinnati, Ohio. Cabinet construction. 2,155,128; Apr. 18.
Green, Harry A., Portland, Oreg. Gluing device. 2,155,011; Apr. 18.
Green, Marcy, New York, N. Y. File wrapper or folder. 2,155,187; Apr. 18.
Greist Manufacturing Company, The. (See Hinman, George L., assignor.)
Griffith, Carroll L., and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Inhibited detergent composition. 2,155,045; Apr. 18.
Griffith, Carroll L., and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Inhibited detergent composition. 2,155,046; Apr. 18.
Griffith Laboratories, Inc., The. (See Griffith, C. L., and Hall, assignors.)
Griffith, Leigh M., Los Angeles, Calif., assignor to P. L. Scott, Chicago, Ill. Variable volume internal combustion engine. 2,154,505; Apr. 18.
Grimson, Samuel B., New York, and L. Lipp, Flushing, assignors to Color Research Corporation, New York, N. Y. Method of and apparatus for color photography. 2,154,898; Apr. 18.

Grossman, Cornell J., Millburn, N. J. Dental casting alloy. 2,155,047; Apr. 18.
Grossmann, Marcus A. (See Mathesius, W., and Grossmann.)
Grossmann, Marcus A., Chicago, Ill., assignor to United States Steel Corporation, New York, N. Y. Alloy steels. 2,155,347; Apr. 18.
Grossmann, Marcus A., Chicago, Ill., assignor to United States Steel Corporation, New York, N. Y. Alloy steel. 2,155,348; Apr. 18.
Gualtiere, Julius, assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Feed drum for snap fastener setters. 2,154,899; Apr. 18.
Gubler, Hans, and E. Bernasconi, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuffs containing simultaneously radicals of anthraquinone dyestuffs and azo dyestuffs and making the same. 2,154,981; Apr. 18.
Gump, B. F., Co. (See Habas, W. F., and Bauer, assignors.)
Gunn Furniture Company. (See Hupp, Elmer H., assignor.)
Gunning, Percy F., Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Electrical signaling system. 2,154,742; Apr. 18.
Guthrie, Robert G., Chicago, Ill. Producing alloys. 2,154,613; Apr. 18.
H-T Band Socket Corporation. (See Werner, Henry E., assignor.)
Habas, Walter F., and H. A. Bauer, assignors to B. F. Gump Co., Chicago, Ill. Apparatus and method for creasing bags. 2,154,743; Apr. 18.
Hadsell, Charles E., Los Angeles, Calif. Refrigerating pad. 2,154,933; Apr. 18.
Haeuber, Hans, and J. Hirschbeck, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of ethylene from saturated hydrocarbons. 2,154,676; Apr. 18.
Hagemann, Emmy, sole heiress. (See Hagemann, Wilhelm.)
Hagemann, Wilhelm, deceased; E. Hagemann, sole heiress, Bonn-on-the-Rhine, Germany, assignor to Kuppers Metallwerk Kom.-Ges. Bonn. Soldering agent. 2,155,307; Apr. 18.
Hahn, Georg, Frankfort-on-the-Main, Germany. Purified bee poison. 2,154,934; Apr. 18.
Hainsworth, William R., Larchmont, assignor to Servel, Inc., New York, N. Y. Safety device for liquid fuel burners. 2,155,188; Apr. 18.
Hale, Frank C., and F. S. Hardy, Spondon, near Derby, England, assignors to Celanese Corporation of America. Shuttle for circular looms. 2,154,900; Apr. 18.
Hall Brothers, Inc. (See Johntz, Margaret L., assignor.)
Hall, Elwin B., and A. L. Armentrout, Los Angeles, Calif. Drillable well liner. 2,155,129; Apr. 18.
Hall, Elwin B., Los Angeles, and A. L. Armentrout, Santa Maria, assignors to Security Engineering Co., Inc., Whittier, Calif. Well liner. 2,155,370; Apr. 18.
Hall, Lloyd A. (See Griffith, C. L., and Hall.)
Hall, Preston M., Worcester, Mass. Welding machine. 2,154,935; Apr. 18.
Hammell, Charles H., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Abrading apparatus. 2,154,843; Apr. 18.
Hammond, Grant, Hamden, Conn. Blade sharpener. 2,154,744; Apr. 18.
Handy, J. F., executor. (See Glenn, Russell P.)
Hanel, Franz, Berlin-Charlottenburg, Germany. Anti-skidding device for motor vehicles. 2,155,130; Apr. 18.
Hänlein, Walter, Berlin-Spandau, assignor to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H., Berlin, Germany. Apparatus for drawing pipes from quartz or glass having a high content in silicic acid. 2,155,131; Apr. 18.
Hannay, Robert S. E. (See Morton, J., and Hannay.)
Hansen Mfg. Company. (See Hansen, W. L., and Hurst, assignors.)
Hansen, William L., and I. N. Hurst, assignors to Hansen Mfg. Company, Inc., Princeton, Ind. Synchronous motor. 2,155,266; Apr. 18.
Hardy, Frederick S. (See Hale, F. C., and Hardy.)
Harker, John S., Vineland, and L. C. Van Gorden, Franklinville, assignors to Kimble Glass Company, Vineland, N. J. Conveyer chain. 2,154,844; Apr. 18.
Harrigan, Herman R., Chevy Chase, Md., assignor to District of Columbia Paper Mills, Incorporated, Washington, D. C. Third dimension ornamentation and producing the same. 2,154,614; Apr. 18.
Harrington & King Perforating Company. (See Barrett, Harold T., assignor.)
Harris, Anthony B., Bronxville, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind. Periscope. 2,155,164; Apr. 18.
Harris, Garred T., Charleston, W. Va. Pawl operating mechanism. 2,154,568; Apr. 18.
Harris, Sterling G., assignor to The Blue Channel Corporation, Centreville, Md. Preserving crab meat. 2,155,308; Apr. 18.
Harshaw Chemical Company, The. (See Kremers, Harry C., assignor.)
Hartman, Thomas L., assignor of one-third to H. M. Young, one-third to E. J. W. Keagy, and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa. Process and apparatus for conditioning and dispensing beverages. 2,154,677; Apr. 18.
Hartog, Louis N., New York, N. Y. Process and apparatus for manufacturing malto-dextrine. 2,155,374; Apr. 18
Harwick, Henry K., Darby, Pa., and H. I. Tramblie, Aurora, Ill., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Slack adjuster. 2,155,012; Apr. 18.
Haselwood, Willis E., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Hollow shafted control unit. 2,154,615; Apr. 18.
Hasselstrom, Torsten, assignor to G. & A. Laboratories, Savannah, Ga. Grease-setting agent. 2,154,616; Apr. 18.
Hathaway, Claude M., Niskayuna, N. Y., assignor to General Electric Company. Foil gauge. 2,155,267; Apr. 18.
Hatters' Fur Exchange, Inc., The. (See Frenkel, Leo, assignor.)
Haupt, Albertus H., Somerset West, Cape Providence, Union of South Africa, assignor to Imperial Chemical Industries Limited. Method and apparatus for forming plastic materials into cylinders of predetermined length and diameter. 2,154,446; Apr. 18.
Hauser, Adalbert, New York, N. Y. Quick attachable plug and socket connector. 2,154,812; Apr. 18.
Hawthorne, Kenneth C., and A. B. Campbell, Thomaston, Conn. Dead-beat inclinometer, acceleration, and deceleration meter. 2,154,678; Apr. 18.
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Healey, Michael J. (See Dwyer, W. L., and Healey.)
Heath, Frank M., Silver Spring, Md. Water divider. 2,154,982; Apr. 18.
Hecht, Joseph L., Davenport, Iowa, assignor to French & Hecht, Incorporated. Manufacturing wheels. 2,154,617; Apr. 18.
Hecker Products Corporation. (See Hylton, W. I., and Josinsky, assignors.)
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Power driven tool. 2,154,745; Apr. 18.
Hegland, James T. (See Shaffer, Frederick O., assignor.)
Hegwein, Georg, assignor to Junkers & Co. G. m. b. H., Dessau, Germany. Combined water boiler and beverage infuser. 2,154,845; Apr. 18.
Heid, Jacob B., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Manufacture of asphalt. 2,154,746; Apr. 18.
Heil Co., The. (See French, H. C., and Frentzel, assignors.)
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Heim, Friedrich. (See Wolff, P. H., Heim, Winter, and Bettag.)
Heinrich, Walter A., assignor to J. R. Kearney Corporation, St. Louis, Mo. Electrical wire bracket. 2,155,189; Apr. 18.
Heinz, Richard, Queens Village, assignor to Carl Percy, Inc., New York, N. Y. Display device. 2,155,190; Apr. 18.
Hempel, Richard W., North Tonawanda, N. Y. Latch for fastenings. 2,154,936; Apr. 18.
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Step construction. 2,154,937; Apr. 18.
Henriod, Charles E., Areuse, Switzerland. Automatic change speed gear. 2,155,132; Apr. 18.
Henton, Alec O., and A. F. Drewett, assignors to Erie Resistor Limited, London, England. Rheostat. 2,155,309; Apr. 18.
Hercules Powder Company. (See Byrkit, Rollin J., Jr., assignor.)
Hercules Powder Company. (See Littmann, Edwin R., assignor.)
Hercules Powder Company. (See Maters, C., and Riemersma, assignors.)
Hercules Powder Company. (See Schnorf, Paul, assignor.)
Herman, Boris S., et al. (See Booharin, Leo Y., assignor.)
Herman, Leo, et al. (See Booharin, Leo Y., assignor.)
Hernández, José D., Guadalajara, Mexico. Nail making machine. 2,155,310; Apr. 18.
Herpen & Vorkauf. (See Vorkauf, Heinrich, assignor.)
Heuer, Russell P., Bryn Mawr, Pa. Furnace roof. 2,155,165; Apr. 18.
Heuer, Russell P., Bryn Mawr, Pa., assignor to General Refractories Company. Suspended furnace roof. 2,154,813; Apr. 18.
Heumann, Gerhart W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,155,268; Apr. 18.
Hevapar S. A. (See Kleiber, Ernst, assignor.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load apparatus. 2,155,225; Apr. 18.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation control brake. 2,155,227; Apr. 18.
Hewitt, Ellis E., Edgewood, and J. N. Good, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Retardation controlled brake. 2,155,228; Apr. 18.

Heyman, Wilbert A., New York, N. Y. Coffee product and producing the same. 2,154,447; Apr. 18.
Heymann, George H., Louisville, and E. D. Rose, Bowling Green, Ky. Massage device. 2,154,846; Apr. 18.
Heyser, Arthur C., assignor to Clamp Nail Company, Chicago, Ill. Driving tool for miter fasteners. 2,154,747; Apr. 18.
Heywood-Wakefield Company. (See Bell, Alfred B., assignor.)
Hicks, Harold A., assignor to Chrysler Corporation, Detroit, Mich. Vehicle wheel suspension. 2,154,569; Apr. 18.
Hill, Albert F., Big Spring, Tex. Hand belt sanding plane. 2,154,814; Apr. 18.
Hill, Earl G., Forty Fort, and W. A. Seem, Shavertown, assignors to Georgetown Silk Company, Wilkes-Barre, Pa. Attachment for winding taper ended packages. 2,154,847; Apr. 18.
Hill, Edward A., Clinton, S. C. Loom beam lock. 2,154,679; Apr. 18.
Hillberg, Bror, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation. Combined bar support and spacer. 2,154,748; Apr. 18.
Hinde & Dauch Paper Company, The. (See Drewsen, Pierre, assignor.)
Hines, James F., Lakewood, Ohio. Precision flask and jacket. 2,154,749; Apr. 18.
Hinman, George L., assignor to The Greist Manufacturing Company, New Haven, Conn. Hemstitching attachment for sewing machines. 2,154,680; Apr. 18.
Hinman, Walker M., Winnetka, and W. G. Hollmann, assignors to The Frederick Post Company, Chicago, Ill. Manufacture of blue-print sheets. 2,154,506; Apr. 18.
Hirschbeck, Josef. (See Haeuber, H., and Hirschbeck.)
Hoe, R., & Co. (See Horton, Albert J., assignor.)
Hoelsche, George J. J. (See Komorowski, Joseph, assignor.)
Hofer, Hermann, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Truing device for grinding wheels. 2,154,938; Apr. 18.
Hoffer, Le Roy H., assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Production of certain tubular units. 2,154,448; Apr. 18.
Hoffman, Charles, Scarsdale, G. Dalby, New York, and T. R. Schweitzer, South Ozone Park, assignors to Ward Baking Company, New York, N. Y. Inhibition of mold. 2,154,449; Apr. 18.
Hoffman, Daniel C., Yeadon, Pa., assignor to General Electric Company. Protective system. 2,155,229; Apr. 18.
Hohl, John. (See Phelps, P., and Hohl.)
Holden, William H. T. (See Bachelet, A. E., and Holden.)
Holden, William H. T., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Peak voltage limiter. 2,155,230; Apr. 18.
Hollmann, Walter G. (See Hinman, W. M., and Hollmann.)
Holmstrom, Henry W., Laurium, Mich. Building construction. 2,154,570; Apr. 18.
Holt, John W., Cleveland Heights, Ohio. Toy railway. 2,154,450; Apr. 18.
Holtzman, Florence L., New York, N. Y. Trunk mantle. 2,154,750; Apr. 18.
Hopkins, Arthur G., Maspeth, N. Y., assignor to McKeesport Tin Plate Corporation. Accelerating device. 2,155,088; Apr. 18.
Horrocks, Percy, Hyde Park, N. Y. Variable pitch propeller. 2,155,311; Apr. 18.
Horton, Albert J., White Plains, assignor to R. Hoe & Co., Inc., New York, N. Y. Optical device for producing a substantially stationary image of successive similar area on a running web. 2,155,013; Apr. 18.
Hoskins, George A., Chicago, Ill. Oral root divider. 2,154,751; Apr. 18.
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Houdry Process Corporation. (See Bond, George R., Jr., assignor.)
Houtzanger, Dirk, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of artificial silk packages. 2,155,312; Apr. 18.
Howard, Newell L., assignor to Rex International Corp., New York, N. Y. Artificial candle. 2,154,618; Apr. 18.
Howard, Willard, Waban, Mass., assignor to The Celastic Corporation, Arlington, N. J. Shoe stiffener. 2,154,571; Apr. 18.
Howe, Frank D., Akron, Ohio. Fireplace furnace. 2,154,939; Apr. 18.
Howe, George J., Grove City, Pa. Key holder. 2,155,014; Apr. 18.
Hubbard, Albert B., and M. Stanton, Bloomfield, N. J., assignors to General Electric Company. Fan and making same. 2,155,231; Apr. 18.
Hudson, John H. (See Boucher, Harry assignor.)
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure. 2,154,752; Apr. 18.
Hull, Richard O., Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright dip. 2,154,451; Apr. 18.
Hulse, George E., New Haven, Conn., and J. Rumpf, New Milford, N. J., assignors to The Safety Car Heating & Lighting Company. Pressure reducing device. 2,154,901; Apr. 18.
Hunefeld, Mark, and A. M. Kallanarud, Fort Dodge, Iowa. Battery terminal clamp. 2,154,507; Apr. 18.
Hunter, Francis R., et al. (See Hunter, Ray, assignor.)
Hunter, Ray, assignor to F. R. Hunter and H. M. Farrell, as coowners in common, Williston, N. Dak. Brake for trailers. 2,154,815; Apr. 18.
Hunyady, Frank W., Chicago, Ill. Brake mechanism. 2,155,089; Apr. 18.
Happ, Elmer H., assignor to Gunn Furniture Company, Grand Rapids, Mich. Desk. 2,155,048; Apr. 18.
Hurley, Dan. J., Los Angeles, Calif. Precast building slab. 2,154,619; Apr. 18.
Hurst, Ira N. (See Hansen, W. L., and Hurst.)
Huse, John O. (See Berg, A. J., and Huse.)
Husting, B. J., et al. (See Kuenzi, Harold R., assignor.)
Hylton, Walter I., New York, and J. Josinsky, Bayside, assignors to Hecker Products Corporation, New York, N. Y. Dispensing device. 2,155,191; Apr. 18.
I. G. Farbenindustrie Aktiengesellschaft. (See Bencker, Franz, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eisenhut, O., Rein, and Widmann, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Haeuber, H., and Hirschbeck, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Koch, Wilhelm, assignor.)
I. G. Farbenindnstrie Aktiengesellschaft. (See Schneider, Johann, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Waldmann, E., and Chwala, assignors.)
Ideal Cement Company. (See Tangdall, Alfred, assignor.)
Imperial Chemical Industries Limited. (See Davies, J. S. H., Wyler, Barrett, and Linstead, assignors.)
Imperial Chemical Industries Limited. (See Fawcett, E. W., Gibson, and Perrin, assignors.)
Imperial Chemical Industries Limited. (See Haupt, Albertus H., assignors.)
Imperial Chemical Industries Limited. (See Lowe, Arthur R., assignor.)
Independent Pneumatic Tool Co. (See Forss, Frithiof P., assignor.)
Ingersoll-Rand Company. (See Morris, William C., assignor.)
Ingersoll-Rand Company. (See Terry, Edward F., assignor.)
Internetal Corporation. (See Jenness, Leslie G., assignor.)
International Paper Box Machine Company, The. (See Labombare, Harold S., assignor.)
Iobbi, Alfred, Philadelphia, Pa. Floor sanding machine. 2,154,620; Apr. 18.
Ionesco, Jean, Paris, France. Phonogram and means for moving same with reference to a stationary needle. 2,154,848; Apr. 18.
Isaacson, Max J., Brooklyn, N. Y. Spout attachment for bottles and other containers. 2,155,049; Apr. 18.
Ives, Charles Q., Reading, assignor to Sherman Paper Products Corporation, Newton, Mass. Apparatus for the manufacture of indented corrugated paper products. 2,154,940; Apr. 18.
Jablonsky, Bruno, London, England. Pressed article, particularly airscrew blade of laminated wood, and method of manufacture. 2,155,375; Apr. 18.
Jabouley, Joanny, Rochetaillee, France, assignor to Celanese Corporation of America. Shedding mechanism for looms. 2,154,902; Apr. 18.
Jabouley, Joanny, Rochetaillee, France, assignor to Celanese Corporation of America. Circular loom. 2,154,903; Apr. 18.
Jackson, Samuel B., Shawsheen Village, assignor to The Holta Company, Lawrence, Mass. Comb package. 2,155,313; Apr. 18.
Jacob, Paul. (See Pier, M., Simon, and Jacob.)
Jäderblom, Erik T., Alnas, Bo, Sweden. Plant for hydraulically operating delivery pumps. 2,154,904; Apr. 18.
Jakosky, John J., Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Electrical method and apparatus for determining the characteristics of geologic formations. 2,155,133; Apr. 18.
Jamieson, James L., Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Purification of caustic. 2,155,269; Apr. 18.
Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator system for paralled operation of commutator rectifiers. 2,155,090; Apr. 18.
Jeffries, John J., and H. C. Knoblock, Baltimore, Md. Bottle and stopper grinding machine. 2,154,681; Apr. 18.
Jenkins, Charles R., Parma, Mich. Measuring instrument. 2,154,621; Apr. 18.
Jenness, Leslie G., Brooklyn, N. Y., assignor to Intermetal Corporation, Newark, N. J. Controlling the plasticity of hydrogenated glyceride oil. 2,154,452; Apr. 18.
Johnson, Charles G., assignor to Ken-Rad Tube & Lamp Corporation Owensboro, Ky. Carton. 2,155,091; signor.)
Johnson, Fred R., Buffalo, N. Y. Method of and apparatus for separating materials. 2,154,682; Apr. 18.

Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling. 2,155,192; Apr. 18.
Johnson, John K., assignor to Wells-Gardner & Company, Chicago, Ill. Adjustable dual condenser. 2,155,050; Apr. 18.
Johnson, Percy J. (See White, A. J., and Johnson.)
Johnson, Samuel J., West Chester, assignor to Clopay Corporation, Cincinnati, Ohio. Window shade. 2,155,376; Apr. 18.
Johnson, Wilfrid E., Fort Wayne, Ind., assignor to General Electric Company. Sight glass. 2,155,270; Apr. 18.
Johnston, Archibald P., Altadena, assignor to Standard Oil Company of California, San Francisco, Calif. Welding electrode flux. 2,154,816; Apr. 18.
Johntz, Margaret L., assignor to Hall Brothers, Inc., Kansas City, Mo. Greeting card. 2,155,193; Apr. 18.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Washing apparatus. 2,155,271; Apr. 18.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Dishwashing machine. 2,155,272; Apr. 18.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Washing apparatus. 2,155,273; Apr. 18.
Jones, Howard M. (See Atkinson, G. E., and Jones.)
Jones, Paul S., assignor to Jones & Vining, Inc., Brockton, Mass. Ventilated shoetree. 2,155,015; Apr. 18.
Jones, Ralph S. S. (See Armstrong, H., and Jones.)
Jones, Roy C. (See Marbury, H. B., and Jones.)
Jones & Vining, Inc. (See Jones, Paul S., assignor.)
Jones, Walter H., Bothell, Wash. Portable display rack. 2,154,622; Apr. 18.
Jonsson, Anders J., Linkoping, Sweden. Device for producing sealing disk sets for closure cap shells. 2,154,508; Apr. 18.
Jorgensen, Bernhart, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for operating on shoes. 2,154,453; Apr. 18.
Josinsky, Joseph. (See Hylton, W. I., and Josinsky.)
Joyce, Bryan P., East Orange, N. J., assignor to American Armament Corporation, New York, N. Y. Telescopic gun-sight reticule. 2,154,454; Apr. 18.
Junkers & Co. G. m. b. H. (See Hegwein, Georg, assignor.)
Kägi, Emil, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Regrigerating system. 2,154,905; Apr. 18.
Kägi, Emil, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Apparatus for the compression of gases. 2,155,051; Apr. 18.
Kallansrud, Albert M. (See Hunefeld, M., and Kallansrud.)
Kallio, William J., Detroit, Mich. Drafting instrument. 2,154,753; Apr. 18.
Kamenarovic, Leone, assignor to Fabrica Italiana Magneti Marelli Societa Anonima, Milan, Italy. Crystal-stabilized resonating circuits. 2,154,849; Apr. 18.
Kamlet, Jones, Brooklyn, N. Y. Preparation of alpha-alkylaminoacylophenones. 2,155,194; Apr. 18.
Kampschulte, Josef, Osnabruck, Germany. Atomizer for liquids. 2,154,941; Apr. 18.
Kaplowitz, Morris, assignor to Microphone Corporation of America, Brooklyn, N. Y. Reflector. 2,155,092; Apr. 18.
Kaplowitz, Morris, assignor to Microphone Corporation of America, Brooklyn, N. Y. Reflex reflector. 2,155,093; Apr. 18.
Karmazin, John, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio. Manufacturing tubing. 2,154,942; Apr. 18.
Karsch, Walter, Tornesch, assignor to Deutsches Reich, Reichsmonopolverwaltung für Branntwein, Berlin, Germany. Fermentation process. 2,155,134; Apr. 18.
Kartaschoff, Valentin, and J. Link, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Hydroxylated polyamines and their use in dyeing with vat and sulphur dyestuffs. 2,155,135; Apr. 18.
Kaufmann, Arthur G., Associated, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Insecticide. 2,154,850; Apr. 18.
Keagy, E. J. W., et al. (See Hartman, Thomas L., assignor.)
Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)
Kearney, James R., Corporation. (See Rankin, Orie T., assignor.)
Keeling, Herbert V. (See Sleeper, N. M., and Keeling.)
Keiser, Bernhard. (See De Groote, M., Keiser, and Blair.)
Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Horn. 2,155,232; Apr. 18.
Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)
Kemp, LeRoy F., assignor of one-half to C. R. Emery, Dearborn, Mich. Building block and walll structure. 2,154,754; Apr. 18.
Kenah, Roland M., assignor to Standard Specialty & Tube Company, New Brighton, Pa. Manufacture of composite metallic structures. 2,155,274; Apr. 18.
Ken-Rad Tube & Lamp Corporation. (See Johnson, Charles G., assignor.)
Kent, Robert J. (See Gray, J. H., and Kent.)
Kepfer, Raymond J., Lakewood, Ohio, assignor, by mesne asisgnments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cadmium bright dip. 2,154,455; Apr. 18.
Kern, Jean G., East Aurora, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Diazo sulphonic acid esters and making. 2,154,509; Apr. 18.
Kerotest Manufacturing Company. (See Mueller, R. W., and Carle, assignors.)
Kerrick, Walter B., Los Angeles, assignor, by mesne assignments, to Clayton Manufacturing Company, Alhambra, Calif. Steam generator. 2,154,683; Apr. 18.
Kershaw, William E., Gwynedd Valley, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Separative diaphragm for electrolytic cells and producing the same. 2,155,016; Apr. 18.
Kiessling, Fred W., Cleveland Heights, Ohio. Graphic method and means. 2,155,094; Apr. 18.
Kimball, A., Company. (See Marsh, Alonzo K., assignor.)
Kimble Glass Company. (See Harker, J. S., and Van Gorden, assignors.)
Kind, Oscar, Rodenkirchen, near Cologne, Germany. Device for tensioning metal binding strips for packages and the like. 2,154,851; Apr. 18.
King, Edward F., Cranston, R. I. Treating fibrous material. 2,154,943; Apr. 18.
King, John, London, England. Opening roof for vehicle bodies. 2,155,275; Apr. 18.
King, Rollin, and E. T. Boaden, Los Angeles, Calif. Negative holder. 2,154,510; Apr. 18.
King, Walter. (See Lawrence, Joseph L., assignor.)
Kingsland, George D., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning mechanism. 2,154,511; Apr. 18.
Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater. 2,154,623; Apr. 18.
Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative telegraph repeater. 2,154,624; Apr. 18.
Kintzinger, John W., Jr. (See Corzine, Chalmers S., assignor.)
Kirchhof, Julius, assignor to firm Societe d'Exploitation des Procedes Dabeg, Paris, France. Adjustable thrust bearing for valve springs. 2,155,195; Apr. 18.
Kleiber, Ernst, Lugano via Trevano, assignor to Hevapar S. A., Geneva, Switzerland. Obtainment of artificial rubber. 2,154,852; Apr. 18.
Kleinesehay, Henry J., Fond du Lac, Wic. Apparatus for repairing and correcting levels. 2,154,625; Apr. 18.
Kleinschmidt, Edward E. and E. F. Highland Park, assignors to Teletype Corporation, Chicago, Ill. Facsimile printing telegraph system and apparatus. 2,154,512; Apr. 18.
Kleinschmidt, Edward F. (See Kleinschmidt, Edward E. and E. F.)
Klyver, Albert N., assignor to The Lamson Company, Syracuse, N. Y. Conveyer mechanism. 2,154,853; Apr. 18.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Knapp-Monarch Company. (See Newnham, Eugene, assignor.)
Knapp-Monarch Company. (See Smith, Howard A., assignor.)
Knapp, Robert T., Pasadena, assignor of thirty-three and one-third per cent to R. A. Riek and thirty-three and one-third per cent to F. O. Riek, Los Angeles, Calif. Rotary machine. 2,154,456; Apr. 18.
Knapp, Robert T., Pasadena, assignor of thirty-three and one third per cent to F. O. Riek, Los Angeles, Calif. Rotary machine. 2,154,457; Apr. 18.
Knapp, Robert T., Pasadena, assignor of thirty-three and one-third per cent to R. A. Riek and thirty-three and one-third per cent to F. O. Riek, Los Angeles, Calif. Adjustable displacement meter or pump. 2,154,458; Apr. 18.
Knobel, Max, Arlington, Mass., assignor to Syntron Company, Homer City, Pa. Apparatus for producing reciprocatory or vibratory motion. 2,154,627; Apr. 18.
Knoblock, Henry C. (See Jeffries, J. J., and Knoblock.)
Knudsen, Knud. (See Baldwin, J. H., and Knudsen.)
Koch, Wilhelm, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of pure benzoic acid. 2,154,626; Apr. 18.
Koeberle, Karl. (See Braun, W., and Koeberle.)
Kolseth, John H., assignor to Atlas Supply Company, Newark, N. J. Battery tester. 2,155,314; Apr. 18.
Komorowski, Joseph, Millvale, assignor of one-half to G. J. J. Hoelsche, Pittsburgh, Pa. Electric switch alarm. 2,154,459; Apr. 18.
Kool, Samuel, Amsterdam, Netherlands. Shirt. 2,154,684; Apr. 18.
Kooperativa Forbundet, Forening u. p. a. (See Dahlberg, Tord O. R., assignor.)
Korndörfer, Hubert, Berlin, Germany, assignor to General Electric Company. Quenching chamber for electric gas switches. 2,155,276; Apr. 18.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Tread surface for footwear. 2,155,166; Apr. 18.
Kramer, Albert J., Washington, D. C. Pneumatic tire. 2,155,017; Apr. 18.

Krämer, Wilhelm, Emmerich, Rhine, Germany. Electro-welding of wire nettings. 2,155,095; Apr. 18.
Kramer, William F. (See Steren, J. R., and Kramer.)
Krantz, Edward, assignor to Fastener Corporation, Chicago, Ill. Stapling machine. 2,154,755; Apr. 18.
Krasa, Albert, Chicago, Ill. Bag filling machine. 2,155,196; Apr. 18.
Kreuers, Harry C., Cleveland Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Apparatus for making aqueous hydrofluoric acid. 2,155,315; Apr. 18.
Krupp, Fried Germaniawerft Aktiengeselischft. (See Mohr, Karl, assignor.)
Kuenzi, Harold R., assignor of one-fourth to B. J. Husting and one-fourth to R. P. Pike, Mayville, Wis. Device for stringing wires. 2,155,053; Apr. 18.
Kullmer, Frank, assignor to Soule Steel Company, San Francisco, Calif. Structural member. 2,154,944; Apr. 18.
Kulp, Harry W. (See Noros, G. C., and Kulp.)
Kuniholm, Carl H., assignor to Kuniholm Manufacturing Company, Gardner, Mass. Baby carriage running gear. 2,155,277; Apr. 18.
Kuniholm Manufacturing Company. (See Kuniholm, Carl H., assignor.)
Kuntz, Baldwin, Juneau, Wis. Gear shifting attachment. 2,154,513; Apr. 18.
Kuppers Metallwerk Kom.-Ges. Bonn. (See Hagemann, Wilhelm, assignor.)
Kvitsky, Joseph R., Westfield, Mass. Fishing lure. 2,154,756; Apr. 18.
Kyes, John F., West Boylston, assignor to Riley Stoker Corporation, Worcester, Mass. Valve. 2,154,945; Apr. 18.
L. C. Engineering Supplies Limited. (See Galvin, Herbert D., assignor.)
La Belle, William. (See Lozier, Lewis H., assignor.)
Labombarde, Harold S., assignor to The International Paper Box Machine Company, Nashua, N. H. Printing mechanism. 2,154,757; Apr. 18.
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Relay system. 2,154,854; Apr. 18.
Lamb, Francis X., East Orange, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical resistance. 2,154,685; Apr. 18.
Lamb, Howard S., assignor to The Cold Metal Process Company, Youngstown, Ohio. Ganging device and screw-down control. 2,154,946; Apr. 18.
Lamson Company, The. (See Klyver, Albert N., assignor.)
Landauer, Kurt, London, England. Stand for holding match packages. 2,155,096; Apr. 18.
Landers, Frary & Clark. (See Twigg, Ernest, assignor.)
Landon, Walter S. (See von Wangenheim, A., and Landon.)
Langdon, Clarence I., Dallas, Tex. Method of and means for recording artificial respirations. 2,155,136; Apr. 18.
Lange, Max E., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,154,514; Apr. 18.
Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Motor control mechanism. 2,154,572; Apr. 18.
Lantz, Brice H., assignor to L. S. and B. H. Lantz, doing business as Lantz Manufacturing Company, Valparaiso, Ind. Hay fork head. 2,155,137; Apr. 18.
Lantz, Lida S., et al. (See Lantz, Brice H., assignor.)
Lantz Manufacturing Company. (See Lantz, Brice H.)
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Casket hardware. 2,155,197; Apr. 18.
Lauber, Erwin R. (See Nielsen, O., and Lauber.)
Lauterbach Corporation. (See Lauterbach, John, assignor.)
Lauterbach, John, Philadelphia, Pa., assignor, by mesne assignments, to Lauterbach Corporation, Toledo, Ohio. Machine for molding plastic materials. 2,155,316; Apr. 18.
Lawrence, Joseph L., assignor to W. King, San Francisco, Calif. Measuring cup. 2,155,317; Apr. 18.
Lawrence, William E., Cleveland Heights, Ohio. Variable speed transmission mechanism. 2,154,460; Apr. 18.
Lawrence, William E., Cleveland Heights, Ohio. Variable speed gearing mechanism. 2,155,198; Apr. 18.
Layne, Leslie A., Houston, Tex., assignor to The Texas Company. Well graveling and developing assembly and method. 2,154,461; Apr. 18.
Leader, John H. (See Getz, J. B., and Leader.)
Lear, Joseph D., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Machine for assembling fins and tubes. 2,154,855; Apr. 18.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Engine valve operating mechanism. 2,154,573; Apr. 18.
Leeds & Northrup Company. (See Davis, Elwood T., assignor.)
Leeds, Winthrop M., Wilkinsburg, and B. P. Baker, Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,154,515; Apr. 18.
Lefevre, Emil B. G., assignor to National Stamping Company, Detroit, Mich. Door check. 2,155,167; Apr. 18.
Lehmann Machine Company. (See Carter, Lionel A., assignor.)
Leighton, John W., Port Huron, Mich. Hydraulic brake cylinder and making same. 2,154,817; Apr. 18.
Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Metal-working machine. 2,154,983; Apr. 18.
Lems, Hendrik, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Mercury cathode discharge tube. 2,155,138; Apr. 18.
L'Enfant, Charles, New York, N. Y. Binding. 2,154,516; Apr. 18.
Leskovsky, Dan, et al. (See Booharin, Leo Y., assignor.)
Leslie, Ivan A., Highfield Lawn, Highfield Road, Derby, assignor to Rolls-Royce Limited, Derby, England. Hydraulic shock damper. 2,154,906; Apr. 18.
Lever Brothers Limited. (See Furness, R., and Fairbourne, assignors.)
Levisohn Niner & Levisohn et al. (See Corey, George H., assignor.)
Levy, René L., Montrouge, assignor to Société d'Inventions Aéronautiques et Mécaniques S. I. A. M., Fribourg, Suisse, France. Self-folding strut for airpiane landing chassis. 2,154,984; Apr. 18.
Lewis, Arthur J., Stratford, assignor to The Baird Machine Company, Bridgeport, Conn. Chuck. 2,154,908; Apr. 18.
Lewis, George S., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Breakdown firearm. 2,154,517; Apr. 18.
Lewis, Harold M., Douglaston, Long Island, N. Y., assignor to Hazeltine Corporation. Wave signaling system. 2,154,907; Apr. 18.
Libbey Glass Company. (See Schutz, Harold R., assignor.)
Liebelt, Adolph A., assignor to The J. H. Day Company, Cincinnati, Ohio. Dough control means. 2,154,462; Apr. 18.
Liebknecht, Otto, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y. Deacidification of liquids, especially water. 2,155,318; Apr. 18.
Lincoln, Bert H., assignor to Continental Oil Company, Ponca City, Okla. Lubricating oil. 2,154,628; Apr. 18.
Lincoln Engineering Company. (See Barks, Frank S., assignor.)
Lindquist, Olga A. (See Myers, Emily T., assignor.)
Link, Jakob. (See Kartaschoff, V., and Link.)
Linstead, Reginald P. (See Davies, J. S. H., Wyler, Barrett, and Linstead.)
Lintern, Alfred R. (See Lintern, William and A. R.)
Lintern, William, Cleveland, Ohio, and A. R. Lintern, assignors to Evans Products Company, Detroit, Mich. Vehicle body ventilation. 2,155,018; Apr. 18.
Lionel Corporation, The. (See Bonanno, Joseph L., assignor.)
Lipp, Leo. (See Grimson, S. B., and Lipp.)
Litsinger, George K., assignor to S. Morgan Smith Company, York, Pa. Bearing for hydraulic turbine shafts. 2,154,759; Apr. 18.
Littell, F. J., Machine Company. (See Skriba, Rudolph A., assignor.)
Littman, Zeno, New York, N. Y. Supporting, equalizing, and stabilizing mechanism. 2,154,463; Apr. 18.
Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Treatment of nbietyl compounds and products produced thereby. 2,154,629; Apr. 18.
Livingston, Clifton W., Baguio, P. I. Mineral classifier machine. 2,155,319; Apr. 18.
Lloyd, Arthur H., and H. H. Benny, Coventry, England, assignors to The Monarch Machine Tool Company, Sidney, Ohio. Hardening of metal surfaces. 2,154,947; Apr. 18.
Logan, Leland, Plattsburgh, N. Y. Light-transmitting building construction. 2,154,686; Apr. 18.
Loleit, Hans. (See Schneider, W., and Loleit.)
London, Harry, New York, N. Y. Slidable fastener. 2,154,687; Apr. 18.
Long, Frank V., Los Angeles, Calif. Float. 2,154,760; Apr. 18.
Long, Herbert J., assignor to American Bosch Corporation, Springfield, Mass. Control valve for gas-fired fluid heaters. 2,154,518; Apr. 18.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc. Gun sight. 2,155,199; Apr. 18.
Lorch, Edward A. (See Cooper, Sutton, assignor.)
Lorentzen, Hans K., Montclair, N. J. Venetian blind. 2,154,909; Apr. 18.
Loveland, Russ A. (See Tyler, W. E., Chamberlain, and Loveland.)
Lowe, Arthur R., Blackley, England, assignor to Imperial Chemical Industries Limited. Coloring matters. 2,155,054; Apr. 18.
Lower, Donald E., Aspers, Pa. Basket liner. 2,154,985; Apr. 18.
Lozier, Horace G., executor. (See Lozier, Lewis H.)
Lozier, Lewis H., deceased, River Forest, Ill.; H. G. Lozier, executor, assignor to W. La Belle, South Bend, Ind. Garment support. 2,154,464; Apr. 18.
Lubri-Zol Development Corporation, The. (See Prutton, Carl F., assignor.)
Ludwig, John, Detroit, Mich. Hinge. 2,154,519; Apr. 18.

Lufkin Foundry & Machine Company. (See Trout, Walter C., assignor.)
Lulek, Ralph N., Milwaukee, and C. F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,155,360; Apr. 18.
Lulek, Ralph N., Waukesha, and and C. F. Belcher, South Milwaukee, Wis., assignors, to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the anthraquinone series. 2,155,359; Apr. 18.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass. Extruding moist plastic for blunging and decolorizing clay or the like. 2,154,948; Apr. 18.
Lyons, Sanford C., Bennington, Vt., assignor to Bird Machine Co., Walepole, Mass. Extruding moist plastic material. 2,154,949; Apr. 18.
Macdonald, Kenneth W., Watertown, Mass. Making boxes. 2,154,950; Apr. 18.
MacIntire, Walter H., Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo. Obtaining a mixture of magnesium oxide and calcium carbonate from dolomite. 2,155,139; Apr. 18.
Mackin, Henry J., Kankakee, Ill. Building unit. 2,154,520; Apr. 18.
Macomber, Clarence H., administrator. (See Bass, S. L., and Van Duzee.)
Madland, Gabriel and T., Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio. Railway car door and side frame construction. 2,154,951; Apr. 18.
Madland, Thorvald. (See Madland, Gabriel and T., assignors.)
Magarll, Irving, Brooklyn, N. Y. Mattress. 2,154,910; Apr. 18.
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Mahloch, William, Chicago, Ill. Repairman's creeper. 2,154,952; Apr. 18.
Mains, Floyd F., Jerseyville, Ill. Stabilizer. 2,155,320; Apr. 18.
Majer, Christian, Tubingen-on-the-Neckar, Germany. Tube making machine. 2,154,953; Apr. 18.
Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,154,856; Apr. 18.
Mancuso, Ralph J., Brooklyn, assignor to Royal Mounters, Inc., Long Island City, N. Y. Display device. 2,154,911; Apr. 18.
Mannfolk, George J., New York, N. Y. Steering apparatus. 2,155,055; Apr. 18.
Mansbach, Alvin A. (See Fleck, L. S., and Mansbach.)
Manteli, Edmund, et al. (See Corey, George H., assignor.)
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control system. 2,155,233; Apr. 18.
Marbon Corporation. (See Winkelmann, H. A., and McKenzie, assignors.)
Marbury, Herbert B., and R. C. Jones, assignors to Fulton Bag and Cotton Mills, Atlanta, Ga. Convertible wardrobe handbag. 2,154,630; Apr. 18.
Markia Corporation. (See Goldmark, Peter C., assignor.)
Markle, George B., Jr., assignor to Freeland Spool and Bobbin Corp., Hazleton, Pa. Bobbin. 2,155,140; Apr. 18.
Mars, Maurice, Chatenay, France. Pump fire extinguisher. 2,154,986; Apr. 18.
Marsh, Alonzo K., Summit, N. J., assignor to A. Kimball Company, New York, N. Y. Forming pin ticket staples. 2,155,168; Apr. 18.
Marsh, Walter H., Crafton, and F. S. Brooks, Edgewood, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Rotary meter. 2,155,321; Apr. 18.
Marshall, Frank O. (See Parke, P., and Marshall.)
Martin, Charles E., New York, N. Y. Bill-coin-key case. 2,154,857; Apr. 18.
Martin, Erich, Passau, Germany. Saw set device. 2,154,987; Apr. 18.
Martin, Harold K., Beaver Dams, assignor to Corning Glass Works, Corning, N. Y. Ground glass joint. 2,154,574; Apr. 18.
Martin, Stoddard B., Lakewood, Ohio. Collet. 2,155,019; Apr. 18.
Martinez, Bedolla, Augustin, Mexico, D. F., Mexico. Threshing machine with open centrifugal chamber. 2,154,483; Apr. 18.
Maters, Cornelis, Rotterdam, and M. J. Riemersma, Wassenaar, Netherlands, assignors to Hercules Powder Company, Wilmington, Del. Emulsifying agents and making same. 2,155,141; Apr. 18.
Mathesius, Walther, and M. A. Grossmann, Chicago, Ill.; said Grossman, assignor to United States Steel Corporation, New York, N. Y. Alloy steels. 2,155,349; Apr. 18.
Mathesius, Walther, Pittsburgh, Pa., and M. A. Grossmann, Chicago, Ill.; said Grossmann assignor to United States Steel Corporation, New York, N. Y. Alloy steels. 2,155,350; Apr. 18.
Matheson, Howard W., Montreal, Quebec, Canada. Compound glass. 2,155,142; Apr. 18.
Matthews, Claud L., St. Louis, C. E. Mosley, Richmond Heights, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Fuse. 2,154,688; Apr. 18.
Matthews, Claud L., St. Louis, C. E. Mosley, Richmond Heights, and T. Birkenmaier, assignors to W. N. Matthews Corporation, St. Louis, Mo. Wire terminal. 2,154,689; Apr. 18.
Matthews, W. N. Corporation. (See Matthews, C. L., Mosley, and Birkenmaier, assignors.)
Maurer, Edwin R., assignor to Chrysler Corporation, Detroit, Mich. Driving mechanism. 2,154,575; Apr. 18.
Mautsch, Robert H., Brussels, Belgium, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vehicle heating apparatus. 2,155,278; Apr. 18.
Maxfield, Daniel E., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Pa. Manufacture of filled containers. 2,154,521; Apr. 18.
Mayer, Robert S., assignor to The Eimco Corporation, Salt Lake City, Utah. Flexible highway guard. 2,154,818; Apr. 18.
McCabe, Ira E., Chicago, Ill. Safety control switching mechanism for fluid fuel burners. 2,154,761; Apr. 18.
McCabe, John J. (See Frantz, W. A., and McCabe.)
McCarrol, James, Toronto, Ontario, and L. K. Cheswright, Swansea, Ontario, Canada. Time switch. 2,154,522; Apr. 18.
McClain, John, Chicago, Ill. Gauge glass illuminating device. 2,154,819; Apr. 18.
McCullough, Ira J., Los Angeles, Calif. Gun perforator and method. 2,154,859; Apr. 18.
McCullough, Ira J., Los Angeles, Calif. Gun perforator. 2,155,322; Apr. 18.
McDermett, Gage C., Wichita Falls, Tex. Internal combustion engine. 2,155,143; Apr. 18.
McDonough, Will D., assignor to E. Williams, Alhambra, Calif. Dispensing carton. 2,155,323; Apr. 18.
McFarland, Samuel E., Los Angeles, Calif. Brake. 2,154,690; Apr. 18.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,154,858; Apr. 18.
McGregor, John M., Chicago, and H. C. Porter, La Grange Park, assignors to Signode Steel Strapping Company, Chicago, Ill. Package binding. 2,154,762; Apr. 18.
McKeesport Tin Plate Corporation. (See Hopkins, Arthur G., assignor.)
McKenzie, James P. (See Winkelmann, H. A., and McKenzie.)
McKinney, Charles P., et al. (See Crotts, Andrew P., assignor.)
McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Fluid flow control apparatus. 2,155,279; Apr. 18.
McMullen, George H., West Chester, Pa. Mechanical movement. 2,154,763; Apr. 18.
McNally, James G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for measuring torque in yarn. 2,154,631; Apr. 18.
Meier, Albert J., Glendale, Mo. Seal. 2,154,632; Apr. 18.
Meisse, Louis A., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 2,155,234; Apr. 18.
Mendle, Milton D., Clayton, assignor to American Fixture & Showcase Manufacturing Co., St. Louis, Mo. Display fixture. 2,155,097; Apr. 18.
Merill-Neil Co. (See Gangel, Jay C., assignor.)
Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Production of sulphur dioxide. 2,155,200; Apr. 18.
Merrill Company, The. (See Mills, L. D., and Crowe, assignors.)
Metropolitan Engineering Company. (See Hoffer, Le Roy H., assignor.)
Metzger, Alfred R., White Bear Lake, assignor of one-half to D. C. Shepard, St. Paul, Minn. Making containers. 2,154,691; Apr. 18.
Microphone Corporation of America. (See Kaplowitz, Morris, assignor.)
Midyette, John T., Jr., Scarsdale, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Unit ventilator. 2,154,523; Apr. 18.
Mikina, Stanley J., Wilkinsburg, K. A. Oplinger, Verona, W. O. Osbon, Swissvale, and S. Sentipal, East McKeesport, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,155,280; Apr. 18.
Mills, Louis D., and T. B. Crowe, Palo Alto, assignors to The Merrill Company, San Francisco, Calif. Cyanidation process and apparatus. 2,154,465; Apr. 18.
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Miner, Robert G. (See Anderegg, R. H., and Miner.)
Minneapolis-Honeywell Regulator Company. (See Cyr, Benjamin, assignor.)
Minneapolis-Honeywell Regulator Company. (See Kingsland, George D., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Midyette, John T., Jr., assignor.)
Minneapolis-Honeywell Regulator Company. (See Sweatt, Charles B., assignor.)
Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,155,056; Apr. 18.
Mitchell, Leo J., Clayton, Mo. Surface ornamentation. 2,154,633; Apr. 18.

Mizuta, Masakichi, Marunouchi, Kojimachi-ku, Tokyo, and T. Yoshimura, Okubo, Kashiwazaki-Machi, Kariha-gun, Nilgata-Ken, assignors to Nippon Sekiyu Kabushiki Kaisha, Tokyo, Japan. Refining cracked oil by using metallic soaps. 2,154,988; Apr. 18.

Mohr, Karl, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Fuel injecting device for internal combustion engines. 2,155,098; Apr. 18.

Monarch Machine Tool Company, The. (See Lloyd, Arthur H., and Beeny, assignors.)

Money, Roland H. (See Crosley, L. M., and Money.)

Monsanto Chemical Company. (See Wilson, W. S., and White, assignors.)

Moore, Charles H., Fort Worth, Tex. Attachment for golf clubs. 2,154,989; Apr. 18.

Moore, Howard R., assignor, by mesne assignments, to New Wrinkle, Inc., Dayton, Ohio. Producing a resin. 2,154,954; Apr. 18.

Moore, William L., La Grange, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio. Container. 2,155,057; Apr. 18.

Moray, Virgil W., Bronx, assignor to Akwa Heaters, Inc., New York, N. Y. Fluid heater. 2,154,764; Apr. 18.

Morgan Concentrating Company. (See Morgan, Dwight C., Jr., and T. H., assignors.)

Morgan, Dwight C., Jr., and T. H., Kittanning, Pa., assignors, by mesne assignments, to Morgan Concentrating Company, Wilmington, Del. Apparatus and method for the separation of dry materials. 2,155,235; Apr. 18.

Morgan, Thomas H. (See Morgan, Dwight C., Jr., and T. H.)

Morin, Henri. (See Wilson, A. L., and Morin.)

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,155,324; Apr. 18.

Morris, William C., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Percussive tool. 2,154,765; Apr. 18.

Morrison, Willard L., Lake Forest, Ill. Air cooling and circulating device. 2,154,466; Apr. 18.

Morse, Leslie G., Randolph, Vt., and B. B. D'Ewart, Worcester, Mass. Refrigeration system. 2,155,144; Apr. 18.

Morse, Walter R., assignor to The Stanley Works, New Britain, Conn. Hinge. 2,154,860; Apr. 18.

Morton, Henry E., Muskegon Heights, Mich. Keyway cutting tool. 2,154,576; Apr. 18.

Morton, James, and R. S. E. Hannay, Carlisle, assignors to F. N. F. Limited, Purley Way, Croyden, England. Knitting machinery. 2,155,145; Apr. 18.

Morton, James, and R. S. E. Hannay, Carlisle, assignors to F. N. F. Limited, Purley Way, Croyden, England. Knitting machinery. 2,155,146; Apr. 18.

Moses, Madeline B. (See Moses, Wade.)

Moses, Wade, Cleveland, Ohio; M. B. Moses, owner by decree of court. Adjustable drawing curve. 2,155,169; Apr. 18.

Mosley, Carl E. (See Matthews, C. L., Mosley, and Birkenmaier.)

Mott, Harriet J., Hollis, N. Y. Umbrella holder. 2,154,634; Apr. 18.

Mountjoy, Garrard, Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Electrical coupling system. 2,154,692; Apr. 18.

Moyle, Clarence L. (See Britton, E. C., and Moyle.)

Muehlbauer, Fritz, and G. Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of dyestuffs of the phthalocyanine series. 2,154,912; Apr. 18.

Mueller, Richard W., and G. F. Carle, assignors to Kerotest Manufacturing Company, Pittsburgh, Pa. Well casing control valve. 2,154,955; Apr. 18.

Mueller, William A., Sr., Decatur, Ill. Emergency ignition switch. 2,154,766; Apr. 18.

Mullins Manufacturing Corporation. (See Benson, John H., assignor.)

Munger, Henry A., Midland, Mich. Trailer. 2,154,467; Apr. 18.

Murray Corporation of America, The. (See Widman, Charles H., assignor.)

Murray-Ohio Manufacturing Company, The. (See de Sakhnoffsky, Alexis, assignor.)

Muskat, Irving E., Akron, and G. H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Company, Allegheny County, Pa. Preparation of chlorine monoxide. 2,155,281; Apr. 18.

Myers, Emily T., White Bear Lake, assignor of one-half to O. A. Lindquist, North St. Paul, Minn. Doll figure. 2,154,635; Apr. 18.

Myers, Philip B., Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J. Pectin dispersion. 2,155,361; Apr. 18.

N. V. Philips' Gloeilampenfabrieken. (See Lems, Hendrik, assignor.)

N. V. Philips' Gloeilampenfabrieken. (See Tellegen, B. D. H., and van Loon, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See Vermeulen, R., and van Overeem, assignors.)

Naamlooze Vennootschap Velotype Systeem den Outer. (See den Outer, Marius, assignor.)

Nanfeldt, William, Clifton, assignor to World Bestos Corp., Paterson, N. J. Friction material. 2,155,020; Apr. 18.

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,154,861; Apr. 18.

Nash-Kelvinator Corporation. See Philipp, Lawrence A., assignor.)

National Aniline and Chemical Company. (See Kern, Jean G., assignor.)

National Aniline & Chemical Company. (See Sweet, Alvin J., assignor.)

National Malleable and Steel Castings Company. (See Shafer, James A., assignor.)

National Stamping Company. See Lefevre, Emil B. G., assignor.)

Nelson, Albert C., Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc. X-ray tube stand. 2,154,524; Apr. 18.

Nelson, Hugo, assignor to Reliance Die & Stamping Company, Chicago, Ill. Variable condenser plate mounting. 2,155,201; Apr. 18.

Nelson, Nels H., Minneapolis, Minn. Automotive vehicle. 2,155,147; Apr. 18.

Newell, George K., Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloading device. 2,155,236; Apr. 18.

Newnham, Eugene, assignor to Knapp-Monarch Company, St. Louis, Mo. Fan construction. 2,154,767; Apr. 18.

New Wrinkle, Inc. (See Moore, Howard, assignor.)

Nickell, Claude H., Newcastle, Ind. Braking system. 2,154,636; Apr. 18.

Nielsen, Otto, Ilsenburg/Harz, Germany, and E. R. Lauber, Rorschach, Switzerland; said Lauber assignor to said Nielsen. Removing bismuth from copper or copper-containing melts and products. 2,155,325; Apr. 18.

Niemann, Georg. (See Muehlbauer, F., and Niemann.)

Nippon Sekiyu Kabushiki Kaisha. (See Mizuta, M., and Yoshimura, assignors.)

Nitkey, Loren W., St. Maries, Idaho. Shoe calk. 2,154,913; Apr. 18.

Noble, Clair S. (See Nobel, George S., assignor.)

Noble, George S., Barcelona, Spain, assignor to C. S. Noble, London, England. Control valve. 2,154,693; Apr. 18.

Nohlitt-Sparks Industries, Inc. See Booth, Earl C., assignor.)

Non-Mercuric Carrot Company, The. See Fabian, C. F., and Sachanen, assignors.)

Noros, George C., Manheim, and H. W. Kulp, Lancaster, assignors to Bond Foundry & Machine Company, Manheim, Pa. Caster control means for movable trucks and the like. 2,154,525; Apr. 18.

O'Brien, Robert J., Belleville, assignor to Collway Colors, Inc., Paterson, N. J. Dispersible color compositions. 2,155,326; Apr. 18.

Ocon, Ernest A., New York, N. Y. Refining hydrocarbon oils and derivatives. 2,154,820; Apr. 18.

O'Day, James A., New York, N. Y. Coupling device. 2,154,914; Apr. 18.

Odend-hal, Charles J., Washington, D. C. Reducing valve. 2,155,170; Apr. 18.

Ohera, Albin, Brunn, Czechoslovakia. Lathe. 2,154,915; Apr. 18.

Ohio Brass Company, The. (See Bovard, William P., assignor.)

Ohio Brass Company, The. (See Meisse, Louis A., assignor.)

Ohio Brass Company, The. (See Ryan, Edmund C., assignor.)

Olley, Raymond H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Explosionproof switch housing. 2,154,821; Apr. 18.

Olshevsky, Dimitry E., assignor to Eclipse Aviation Corporation, East Orange, N. J. Gas analysis apparatus. 2,154,862; Apr. 18.

Ombrello, Michael, New York, N. Y. Fountain brush. 2,154,990; Apr. 18.

Oplinger, Floyd F., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright dip. 2,154,468; Apr. 18.

Oplinger, Floyd F., Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright dip. 2,154,469; Apr. 18.

Oplinger, Kirk A. (See Mikina, S. J., Oplinger, Osbon, and Sentipal.)

Oppermann, Alfred, assignor to K. Oppermann, Cleveland, Ohio. Photographic album. 2,155,327; Apr. 18.

Oppermann, Katherine. See Oppermann, Alfred, assignor.)

Orchard Paper Co. (See Sebastian, Edward, assignor.)

Osbon, William O. (See Mikina, S. J., Oplinger, Osbon, and Sentipal.)

Osborn, Howard E., Michigan City, Ind. Card receptacle. 2,155,058; Apr. 18.

Otis, Herbert C., Dallas, Tex. Flowing wells. 2,154,768; Apr. 18.

Owens-Corning Fiberglas Corporation. (See Simpson, D. C., and Collins, assignors.)

Owens-Illinois Glass Company. (See Burch, Oscar G., assignor.)

Oyster, Earl F., Shaker Heights, and F. T. Spikerman, Clinton, Ohio. Manufacturing sand molds for metal castings. 2,155,099; Apr. 18.

Padgett, Joseph E., Toledo, Ohio. Flexible coupling. 2,154,991; Apr. 18.

Page, Herbert E., Syracuse, N. Y. Hydraulic pressure multiplying mechanism. 2,154,956; Apr. 18.

Pageman, Rudolph. (See Fisher, Robert P., assignor.)

Pakala, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Communication system. 2,154,694; Apr. 18.

Pakulla, Edmund. See Schustek, R., and Pakulla.)

Pallesen, Hans P., Hamburg, Germany. Self-inking stamping machine for linen or the like. 2,154,578; Apr. 18.

Palmer, Robert T. (See Anderson, S. M., and Palmer.)

Paquin, Max, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Condensation products and preparing them. 2,155,328; Apr. 18.

Parke, Peter, and F. O. Marshall, assignors to The Pullman Company, Chicago, Ill. Air conditioning system. 2,154,769; Apr. 18.

Parker, Louis W., Astoria, assignor to C. S. I. Development Corporation, New York, N. Y. Direct current voltage multiplication. 2,155,363; Apr. 18.

Parker, Louis W., Woodside, Long Island, assignor to C. S. I. Development Corporation, New York, N. Y. Direct current voltage booster. 2,155,362; Apr. 18.

Parker, Robert P., Somerville, assignor to The Calco Chemical Company, Inc., Somerset, N. J. Diazo derivatives of guanyl-urea-N-sulphonic acids and N-nitro guanyl-ureas. 2,154,470; Apr. 18.

Parkerton, Prosper W., West Hartford, Conn. Mated coupling for fluid systems. 2,154,526; Apr. 18.

Parrott, John A., Roslyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone conference circuit. 2,154,579; Apr. 18.

Parvis, George W., Philadelphia, Pa. Closure for collapsible tubes. 2,155,202; Apr. 18.

Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H. (See Hänlein, Walter, assignor.)

Paulus, Charles L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,155,351; Apr. 18.

Pearce, Edwin S., assignor to Railway Service & Supply Corporation, Indianapolis, Ind. Journal bearing. 2,154,916; Apr. 18.

Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Lehr stacker. 2,154,992; Apr. 18.

People in the Territory of the United States, Dedicated to the Free Use of the. (See Freeman, Andrew F., assignor.)

Percy, Carl, Inc. (See Heinz, Richard, assignor.)

Perdue, Allan J., Wayne, Nebr. Cap holder for bottles and paste tubes. 2,155,329; Apr. 18.

Perkins, Melvin A., Milwaukee, and C. E. Carr, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the pyrazolanthrone series. 2,155,364; Apr. 18.

Permutit Company, The. (See Liebknecht, Otto, assignor.)

Perrigo, Archie L. (See Rienacker, W. O., and Perrigo.)

Perrin, Jay C., Los Angeles, and E. E. Disbrow, Alhambra, Calif.; said Disbrow assignor to said Perrin. Paint refill ejector. 2,154,580; Apr. 18.

Perrin, Michael W. (See Fawcett, E. W., Gibson, and Perrin.)

Perrott, Laurence F., Revere, Mass., assignor to General Electric Company. Electric discharge device. 2,155,237; Apr. 18.

Pershall, Ralph H., Bremerton, assignor to Sanicut Mfg. Co., Port Orchard, Wash. Closure attachment for containers. 2,154,581; Apr. 18.

Peters, Stanley E., Chicago, Ill. Torch. 2,155,238; Apr. 18.

Petter, Charles G., Paris, France. Firing regulator. 2,154,770; Apr. 18.

Petty, Earl. (See Cooke, M. B., and Petty.)

Phelps, Paul, assignor to The Girdler Corporation, Louisville, Ky. Bar cutter. 2,154,697; Apr. 18.

Phelps, Paul, Louisville, Ky., and J. Hohl, Cranford, N. J., assignors, by mesne assignments, to The Girdler Corporation, Louisville, Ky. Traveling cut-off. 2,154,695; Apr. 18.

Phelps, Paul, and W. E. Zoeller, assignors, by mesne assignments, to The Girdler Corporation, Louisville, Ky. Apparatus for refrigerating articles in transit. 2,154,696; Apr. 18.

Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,155,059; Apr. 18.

Phillips, Cecil H. (See Armentrout, A. L., and Phillips.)

Phillips Corporation, The. (See Goss, Philip S., assignor.)

Phillips, Lionel F., New York, N. Y. Convertible electric conductor. 2,155,060; Apr. 18.

Phillips Petroleum Company. (See Frey, F. E., and Bury, assignors.)

Photoswitch Incorporated. (See Toporeck, Edward R., assignor.)

Pickelsimer, Jesse B., Brevard, N. C. Belt buckle. 2,154,698; Apr. 18.

Pier, Mathias, Heidelberg, and W. Simon and P. Jacob, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Carrying out catalytic reactions. 2,154,527; Apr. 18.

Pierce, Charles E., Syracuse, N. Y. Split straightening arbor. 2,154,582; Apr. 18.

Pike, Robert P., et al. (See Kuenzi, Harold R., assignor.)

Pinard, Henry, Manchester, N. H. Pivoted axle for motor vehicles. 2,154,957; Apr. 18.

Pintsch, Julius, Kommanditgesellschaft. (See Dällenbach, Walter, assignor.)

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Body bolster construction and motor ventilation system. 2,754,771; Apr. 18.

Pittsburgh Equitable Meter Company. (See Marsh, W. H., and Brooks, assignors.)

Pittsburgh Plate Glass Company. (See Beecher, B. K., and Waldeck, assignors.)

Pittsburgh Plate Glass Company. (See Jamieson, James L., assignor.)

Pittsburgh Plate Glass Company. (See Muskat, I. E., and Cady, assignors.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,154,993; Apr. 18.

Polacsek, Maurice, Brooklyn, N. Y. Multiple pack book package. 2,155,203; Apr. 18.

Polhemus, John K., assignor to Agfa Ansco Corporation, Binghamton, N. Y. View finder for cameras. 2,154,958; Apr. 18.

Porter, Howard C. (See McGregor, J. M., and Porter.)

Pottenger, Martha, Chicago, Ill. Health protection member. 2,155,330; Apr. 18.

Pratt, William E., Mfg. Co. (See Tyler, William C., assignor.)

Prescott, Paul R., Logansport, Ind. Radio program selector. 2,154,994; Apr. 18.

Priester, Henry W., Asheville, N. C. Sales card. 2,155,021; Apr. 18.

Progressive Leather Goods Co. (See Stember, B., and Weinstein, assignors.)

Prolanine Products Incorporated. (See Weber, Harry M., assignor.)

Propello Inventions Limited. (See Yoxall, Joseph, assignor.)

Prutton, Carl F., Cleveland Heights, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,155,204; Apr. 18.

Pullman Company, The. (See Parke, P., and Marshall, assignors.)

Purinton, Forrest G., Waterbury, Conn. Garment supporter. 2,154,863; Apr. 18.

Purinton, Forrest G., Waterbury, Conn. Garment supporter. 2,154,864; Apr. 18.

Quintavalle, Umberto, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy. Ignition magneto. 2,154,865; Apr. 18.

Quisling, Sverre, Madison, Wis. Wax and cellulose ester composition. 2,154,822; Apr. 18.

R. C. Can Company. (See Rutkowski, Walter L., assignor.)

Radio Corporation of America. (See Bell, David A., assignor.)

Radio Corporation of America. (See Clough, Newsome H., assignor.)

Radio Corporation of America. (See Mountjoy, Garrard, assignor.)

Radio Corporation of America. (See Travis, Charles, assignor.)

Radio Corporation of America. (See Young, Arthur J., assignor.)

Radio Patents Corporation. (See Geffcken, H., and Richter, assignors.)

Rails Company, The. (See Gailor, Chester F., assignor.)

Railway Service & Supply Corporation. (See Dwyer, W. L., and Healey, assignors.)

Railway Service & Supply Corporation. (See Pearce, Edwin S., assignor.)

Randolph, Charles P., Oak Park, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 2,155,239; Apr. 18.

Rankin, Orie T., Toledo, Ohio, assignor to James R. Kearney Corporation, St. Louis, Mo. Pick-up tongs. 2,155,365; Apr. 18.

Rassow, Horst, Berlin-Friedenau, and W. Skawran, Berlin-Spandau, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Printing telegraph apparatus. 2,154,528; Apr. 18.

Rathemacher, August, Navesink, N. J. Bottle holder and protector. 2,154,772; Apr. 18.

Rawling, Francis G., Piedmont, W. Va., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y. Manufacture of calcium sulphite filled paper. 2,154,995; Apr. 18.

Rawling, Francis G., Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y. Manufacture of calcium sulphite filled paper. 2,154,996; Apr. 18.

Raymond, Gwynne, Oklahoma City, Okla. Chemical feeder and sampler. 2,154,529; Apr. 18.

Reconstruction Finance Corporation. (See Hillberg, Bror, assignor.)

Record, Dennie W., Atlanta, Ga. Hair waving device. 2,154,637; Apr. 18.

Redler Conveyor Company. (See Sinden, Alfred D., assignor.)

Reed, Walter C., North Hollywood, Calif. Vacuum cleaner. 2,154,773; Apr. 18.

Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Air conditioning apparatus. 2,154,638; Apr. 18.
Reeves Pulley Company. (See Brooks, Harry E., assignor.)
Reicherter, Georg, Esslingen-on-the-Neckar, Germany. Hardness testing machine. 2,154,823; Apr. 18.
Rein, Hanns. (See Eisenhut, O., Rein, and Widmann.)
Reliance Die & Stamping Company. (See Nelson, Hugo, assignor.)
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Remington Rand Inc. (See Shafer, Lewis W., assignor.)
Renck, Heinrich, Hamburg, Germany. Printer's ink. 2,154,866; Apr. 18.
Renshaw, William B., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. 2,155,226; Apr. 18.
Resilient Products Corporation. (See Stedman, Theodore W., assignor.)
Revelation Patents Holding Company. (See Stromeyer, Charles F., assignor.)
Rex International Corp. (See Howard, Newell L., assignor.)
Reymer & Brothers, Inc., et al. (See Hartman, Thomas L., assignor.)
Richardson, James W., Dayton, Ohio. Spring motor. 2,154,699; Apr. 18.
Richter, Hans. (See Geffcken, H., and Richter.)
Rick, Forest O., et al. (See Knapp, Robert T., assignor.)
Rick, Rudolph A., et al. (See Knapp, Robert T., assignor.)
Riemersma, Martinus J. (See Maters, C., and Riemersma.)
Rienacker, William O., Detroit, and A. L. Perrigo, Armada, Mich. Welding hood shield. 2,154,774; Apr. 18.
Riley Stoker Corporation. (See Kyes, John F., assignor.)
Rinne, Albert, Berlin-Charlottenburg, Germany. Manufacturing caffeine-containing chocolate. 2,155,148; Apr. 18.
Roberts and Schaefer Company. (See Stump, Earl, assignor.)
Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)
Robins, Samuel D., Hewlett, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Screen cloth and making the same. 2,154,530; Apr. 18.
Robinson, James H., Atascadero, Calif. Bushing puller. 2,154,867; Apr. 18.
Robles, Jose A., Kansas City, Mo. Siren toy. 2,154,775; Apr. 18.
Roche, Matthew J., Dunmore, Pa. Gripping device. 2,154,531; Apr. 18.
Rodgers, Frederick, London, England, assignor to Cherry-Burrell Corporation, Wilmington, Del. Valve for controlling the flow of liquids to bottles and other receptacles. 2,154,583; Apr. 18.
Rodgers, James P., Bloomfield, assignor to The Roto Company, Newark, N. J. Tube cleaner. 2,155,205; Apr. 18.
Röhm & Haas Company. (See Röhm, O., and Bauer, assignors.)
Röhm, Otto, and W. Bauer, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa. Manufacture of polymerization products. 2,154,639; Apr. 18.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Rolls-Royce Limited. (See Leslie, Ivan A., assignor.)
Romanoff, Hippolyte W., New York, N. Y. Product for packing and similar purposes. 2,154,640; Apr. 18.
Rönne, Henning, Copenhagen, Denmark, assignor to the firm Carl Zeiss, Jena, Germany. Instrument for the examination of eyes. 2,155,171; Apr. 18.
Roose, Clyde O., Elyria, Ohio. Identification device. 2,154,959; Apr. 18.
Rose, Edward D. (See Heymann, G. H., and Rose.)
Rosenblum, Israel, New York, N. Y. Polyhydric alcohol-polybasic acid resin and making same. 2,154,471; Apr. 18.
Rossi, Mariano, Cleveland, Ohio. Milk container. 2,154,584; Apr. 18.
Roto Company, The. (See Rodgers, James P., assignor.)
Royal Mounters, Inc. (See Mancuso, Ralph J., assignor.)
Ruben, Samuel, New Rochelle, N. Y. Electrical contacting element. 2,154,700; Apr. 18.
Rubin, Adolph J., New York, N. Y. Skirt length cutting device. 2,155,241; Apr. 18.
Rumpf, John. (See Hulse, G. E., and Rumpf.)
Rural Fire Apparatus Co. (See Ziehm, Marvin F., assignor.)
Ruspoli, Edmondo, Paris, France. Differential mechanism. 2,154,701; Apr. 18.
Rutherford, Cuthbert E. F., London, England. Photographic contact printing and copying apparatus. 2,155,149; Apr. 18.
Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Slip cover for paper bodied containers. 2,155,022; Apr. 18.
Ryan, Edmund C., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley head. 2,155,242; Apr. 18.
Ryder, Earle A., West-Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Propeller drive for oppositely rotating coaxial propellers. 2,154,532; Apr. 18.
Saborsky, Arthur D., Lakewood, Ohio. Overhead tractor. 2,154,702; Apr. 18.
Sachanen, Alexander N. (See Fabian, C. F., and Sachanen.)
Sächsische Textilmaschinenfabrik vorm. Rich. Hartmann, Aktiengesellschaft. (See Schubert, F. F., and Schütze, assignors.)
Sadloski, Stanley P., Cromwell, Conn. Safety apparatus for divers. 2,155,331; Apr. 18.
Safety Car Heating & Lighting Company, The. (See Hulse, G. E., and Rumpf, assignors.)
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Electrical cable. 2,155,243; Apr. 18.
Saint Genies, Anne H. J. D., Versailles, France. Screen for the projection of images in relief. 2,154,868; Apr. 18.
Samandji, Jacques, Paris, France. Machine for the treatment of photographic prints. 2,154,585; Apr. 18.
Sambleson, Robert F., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,155,244; Apr. 18.
Sampson, William R., Chester, Md. Door holder. 2,154,869; Apr. 18.
Sanchez, Rosenwald F. (See Carswell, F. L., and Sanchez.)
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever construction. 2,155,061; Apr. 18.
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Lever construction. 2,155,062; Apr. 18.
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Automobile locking structure. 2,155,063; Apr. 18.
Sandberg, Ray A., Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Automobile locking structure. 2,155,064; Apr. 18.
Sanderson, Ray R., Orrville, Ohio. Percussion drill. 2,154,960; Apr. 18.
Sandin, Jerome M., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,154,703; Apr. 18.
Sanicut Mfg. Co. (See Pershall, Ralph H., assignor.)
Sardik Incorporated. (See Myers, Philip B., assignor.)
Saville, Willie, and A. H. Williams, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 2,154,776; Apr. 18.
Scelzo, Luigi, Rome, Italy. Safety device for projectile fuses. 2,155,100; Apr. 18.
Schacht, William H., Painesdale, Mich. Impact crusher. 2,155,150; Apr. 18.
Schacht, William H., Painesdale, Mich. Crushing. 2,155,151; Apr. 18.
Schelz, Herbert. (See Grassmann, W., and Schelz.)
Schipper, John F., Miami, Fla. Arch support. 2,154,997; Apr. 18.
Schlalos, Frederick W., Sierre Madre, Calif. Flow responsive mechanism. 2,154,777; Apr. 18.
Schlorf, Raymond C., Chicago, Ill. Valve and cooling means therefor. 2,154,871; Apr. 18.
Schlumberger Well Surveying Corporation. (See Jakosky, John J., assignor.)
Schlumbohm, Peter, New York, N. Y. Cooling by salts having a negative heat of solution. 2,154,473; Apr. 18.
Schmid, Max, Riehen, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,155,001; Apr. 18.
Schneider, Johann, Wolfen, Kreis Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankort-on-the-Main, Germany. Manufacture of sodium hydrosulphide. 2,154,917; Apr. 18.
Schneider, Wilhelm, and H. Loleit, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Coupling compounds for color forming development. 2,154,918; Apr. 18.
Schnell, William J., Berwyn, assignor to Electrical Research Laboratories Inc., Chicago, Ill. Radio tuner. 2,154,778; Apr. 18.
Schnell, William J., Berwyn, assignor to Electrical Research Laboratories, Inc., Chicago, Ill. Radio dial. 2,155,101; Apr. 18.
Schnorf, Paul, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del. Treating rosin esters and product thereof. 2,154,704; Apr. 18.
Schoenling, Edward H., Cincinnati, Ohio. Hair waving device. 2,155,282; Apr. 18.
Schofield, Martha M., administratrix. (See Schofield, Stanley T.)
Schofield, Stanley T., deceased; M. M. Schofield, administratrix, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,154,533; Apr. 18.
Schönander, Nils G., Stockholm, Sweden. X ray tube. 2,154,998; Apr. 18.
Schubert, Fritz F., and R. A. Schütze, assignors to Silchsische Textilmaschinenfabrik vorm. Rich. Hartmann, Aktiengesellschaft, Chemnitz, Germany. Mule spinning machine. 2,154,961; Apr. 18.
Schuerlein, Alois, Detroit, Mich. Reminder card. 2,155,332; Apr. 18.
Schülein, Curt, Bopfingen, Wurttemberg, Germany. Adhesive for linoleum and the like floor coverings. 2,154,872; Apr. 18.

Schultz, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Loudspeaker support. 2,154,705; Apr. 18.
Schustek, Roman, and E. Pakulla, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany. Ingot mold. 2,155,288; Apr. 18.
Schuster, Hans, Immigrath, Niederrhein, Germany. Manufacturing annular disks. 2,154,534; Apr. 18.
Schutz, Harold R., Toledo, Ohio, assignor to Libbey Glass Company. Glass circulating apparatus. 2,154,535; Apr. 18.
Schütze, Richard A. (See Cchubert, F. F., and Schütze.)
Schweitzer, Thomas R. (See Hoffman, C., Dalby, and Schweitzer.)
Scofield, Theodore J., assignor to The Sparks-Withington Company, Jackson, Mich. Horn. 2,155,366; Apr. 18.
Scott, Ashton T., Ardmore, assignor to The Sharples Corporation. Acid treating of benzol. 2,155,367; Apr. 18.
Scott, Clyde, East Orange, N. J. Apparatus for welding film. 2,154,474; Apr. 18.
Scott, Phillip L. (See Griffith, Leigh M., assignor.)
Seagram, Joseph E., & Sons, Inc. (See Harris, Anthony B., assignor.)
Seaman, David J., Battle Creek, Mich. Doorway construction. 2,154,641; Apr. 18.
Sebastian, Edward, assignor to Orchard Paper Co., St. Louis, Mo. Shoe bag. 2,154,536; Apr. 18.
Security Engineering Co. (See Hall, E. B., and Armentrout, assignors.)
Seem, Warren A. (See Hill, E. G., and Seem.)
Sekine, Ioji, Freeport, N. Y. Round pointed tooth brush. 2,155,245; Apr. 18.
Sentipal, Stephen. (See Mikina, S. J., Oplinger, Osbon, and Sentipal.)
Seraphin, Agnes M., New York, N. Y. Toilet seat mat package. 2,155,102; Apr. 18.
Serrano, Edmundo H., St. Louis, Mo. Apparatus for stringing tennis rackets. 2,154,870; Apr. 18.
Servel, Inc. (See Hainsworth, William R., assignor.)
Sewall Paint & Varnish Company. (See Weissert, Gerald E., assignor.)
Seybold, Frederick W., Westfield, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Composing room saw. 2,154,999; Apr. 18.
Shafer, James A., East Cleveland, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car truck. 2,154,919; Apr. 18.
Shafer, Lewis W., Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Copy holder. 2,155,246; Apr. 18.
Shaffer, Fredrick O., assignor of one-half to J. T. Hegland, Minneapolis, Minn. Combustion device. 2,154,706; Apr. 18.
Sharples Corporation, The. (See Scott, Ashton T., assignor.)
Shay, J. C., Incorporated. (See Boericke, G. W., and Young, assignors.)
Shearer, John P., assignor to Bloomer Bros. Company, Newark, N. Y. Carton construction. 2,154,475; Apr. 18.
Shehan, William E., Los Angeles, Calif. Facer board structure for venetian blinds and the like. 2,155,152; Apr. 18.
Shell Development Company. (See Evans, Theodore, assignor.)
Shell Development Company. (See Tulleners, Anton J., assignor.)
Shell Development Company. (See van Wijk, W. R., and van Dijck, assignors.)
Shellmar Products Company. (See Moore, William L., assignor.)
Shepard, David C. (See Metzger, Alfred R., assignor.)
Shepard, David C. (See Smith, Swan, assignor.)
Shepherd, Thomas L., Golden, Colo. Method of and means for classifying and separating suspended solids. 2,154,779; Apr. 18.
Sheridan, Phil A., Bethesda, Md. Photographic developing and fixing apparatus. 2,155,000; Apr. 18.
Sherman Paper Products Corporation. (See Ives, Charles Q., assignor.)
Shiva, Ramon N., Chicago, Ill. Manufacture of printing inks. 2,155,103; Apr. 18.
Siemens & Halske, Aktiengesellschaft. (See Rassow, H., and Skawran, assignors.)
Signode Steel Strapping Company. (See McGregor, J. M., and Porter, assignors.)
Silverberg, Isadore M., Chicago, Ill. Combined envelope and savings bank. 2,154,780; Apr. 18.
Simon, Walter. (See Pier, M., Simon, and Jacob.)
Simpson, Donald C., Newark, Ohio, and T. A. Collins, Marion, Ind., assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Apparatus for manufacturing glass wool bats, and other articles. 2,154,476; Apr. 18.
Sinclair, Archibald F., Cuyahoga Falls, Ohio. Control means for hydraulic presses and the like. 2,154,477; Apr. 18.
Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,154,707; Apr. 18.
Singer Manufacturing Company, The. (See Card, Frederic M., assignor.)
Sisson, Vinton E., Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car coupler operating rod. 2,155,333; Apr. 18.
Sitkin, John J., and F. W. Archer, Los Angeles, Calif. Method of and apparatus for taking dental impressions. 2,155,334; Apr. 18.
Skaraas, Bernt, and E. Danielsson, Stavanger, Norway. Device intended preferably to indicate the immediate contents in containers. 2,154,962; Apr. 18.
Skawran, Willy. (See Rassow, H., and Skawran.)
Sklar, Herman, assignor to J. I. Blanck, Brooklyn, N. Y. Fur treating device. 2,155,172; Apr. 18.
Skriba, Rudolph A., assignor to F. J. Littell Machine Company, Chicago, Ill. Piercing and riveting machine. 2,154,824; Apr. 18.
Sleeper, Ned M., and H. V. Keeling, Lakeport, Calif. Fish lure. 2,155,335; Apr. 18.
Smiley, Orvall, Springfield, Ill. Product for treating bitumens. 2,154,873; Apr. 18.
Smith, Carlisle F., Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation. Fire engine. 2,154,642; Apr. 18.
Smith, Clarence N., Silver Spring, Md. Educational system. 2,154,478; Apr. 18.
Smith, Daniel D., Valdosta, Ga. Filling machine. 2,155,336; Apr. 18.
Smith, Howard A., assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron construction. 2,154,781; Apr. 18.
Smith, John D., and S. K. Atkinson, Boise, Idaho. Dipper shovel, chute, and crowder attachment for dreging purposes. 2,155,153; Apr. 18.
Smith, Joseph B. (See Brown, Elmer L., assignor.)
Smith, L. C., & Corona Typewriters, Inc. (See Bradt, Charles H., assignor.)
Smith, Lawrence C., Kenmore, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigeration apparatus. 2,154,874; Apr. 18.
Smith, S. Morgan, Company. (See Litsinger, George K., assignor.)
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Machine for making laminated containers. 2,154,825; Apr. 18.
Snavely, Earl R., Riverview, R. I., assignor to E. L. Snavely, Newark, N. J. Thermal fluid mixing valve. 2,155,154; Apr. 18.
Snavely, Evelyn L. (See Snavely, Earl R., assignor.)
Snyder, Aulden D., assignor to one-third to W. J. Wesseler, Cleveland, Ohio. Rotary valve and internal combustion engine construction and lubrication. 2,154,782; Apr. 18.
Societe Anonyme Air Equipment. (See Waseige, Charles R., assignor.)
Société Auxiliaire d'Etudes Electrochniques, et al. (See Tuot, Raymond A., assignor.)
Societe d'Exploitation des Procedes Dabeg. (See Kirchhof, Julius, assignor.)
Societé d'Inventions Aéronautiques et Mécaniques S. I. A. M. (See Levy René L., assignor.)
Société Suisse d'Electricte et de Traction, et al. (See Tuot, Raymond A., assignor.)
Society of Chemical Industry in Basle. (See Gubler, H., and Bernasconi, assignors.)
Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)
Solvay Process Company, The. (See Beekhuis, Herman A., Jr., assignor.)
Soule Steel Company. (See Kullmer, Frank, assignor.)
Sparks-Withington Company, The. (See Scofield, Theodore J., assignor.)
Sparling, Wyndham E., and W. K. Stokes, Cincinnati, assignors to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. System of and apparatus for handling barrels and discharging the contents thereof. 2,155,173; Apr. 18.
Spayd, Fred M., Van Wert, Ohio. Fluid dispensing apparatus. 2,154,479; Apr. 18.
Speckert, Siegfried, South Gate, Calif. Tool holder. 2,155,337; Apr. 18.
Spikerman, Frank T. (See Oyster, E. F., and Spikerman.)
Spiselman, Joseph W. (See Downs, C. R., and Spiselman.)
Spiselman, Joseph W., Mamaroneck, N. Y., and C. R. Downs, Old Greenwich, assignors to Calorider Corporation, Greenwich, Conn. Apparatus for making formed bodies of calcium chloride hydrate or analogous material. 2,154,708; Apr. 18.
Springer, Ray W., Detroit, Mich. Antisqueak strip. 2,155,023; Apr. 18.
Squibb, E. R., & Sons. (See Braker, William, assignor.)
Staehle, G., Kommanditgesellschaft. (See Eisenlohr, Friedrich, assignor.)
Staley, Joseph H., Columbus, Ind. Mercury tube switch. 2,155,024; Apr. 18.
Standard-I. G. Company. (See Pier, M., Simon, and Jacob, assignors.)
Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)
Standard Railway Equipment Manufacturing Company. (See Sisson, Vinton E., assignor.)
Standard Screw Company. (See Corlett, Webster D., assignor.)
Standard Specialty & Tube Company. (See Kenah, Roland M., assignor.)

Stanley Works, The. (See Morse, Walter R., assignor.)
Stanton Myles. (See Hubbard, A. B., and Stanton.)
Stapling Machines Co. (See Stivers, Earl R., assignor.)
Stark, David D. (See Edwars, T. O., Jr., and Stark.)
Star-Service Hanger Company. (See Young, Leonard A., assignor.)
Stedman, Theodore W., assignor to Resilent Products Corporation, New York, N. Y. Tie plate arrangement for railroads. 2,155,155; Apr. 18.
Steele, James W., Kansas City, Mo. Collar support. 2,155,065; Apr. 18.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Rack for refrigerator cabnets. 2,155,284; Apr. 18.
Steindel, Joseph, East Chicago, Ind. Pneumatic tire. 2,155,206; Apr. 18.
Stember, Bernard, East Orange, N. J., and H. Weinstein, New York, N. Y., assignors to Progressive Leather Goods Co., West New York, N. J. Billfold. 2,154,826; Apr. 18.
Stenberg, Knut E. B., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Spring holding clip for use in radios and other devices. 2,154,537; Apr. 18.
Steren, John R., Kansas City, Kans., and W. F. Kramer, Alton, Ill.; said Steren assignor to said Kramer. Wall paper pasting machine. 2,154,643; Apr. 18.
Stern, Nathan S., Leicester, England. Shock absorbing device. 2,154,586; Apr. 18.
Stimpson, Edwin B., Company. (See Gualtiere, Julius, assignor.)
Stivers, Earl R., Rockaway, N. J., assignor to Stapling Machines Co. Combination shipping and display container. 2,154,538; Apr. 18.
Standard Oil Company of California. (See Johnston, Archibald P., assignor.)
Stocker, William, Hammond, Ind. Brake construction. 2,155,207; Apr. 18.
Stoker, Paul P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic controlling apparatus. 2,154,539; Apr. 18.
Stokes, F. J., Machine Company. (See Westin, Charles J., assignor.)
Stokes and Smith Company. (See Maxfield, Daniel E., assignor.)
Stokes, William H., Allesley, near Coventry, assignor to Courtaulds, Limited, London, England. Nozzle for use in the manufacture and production of artificial threads, filaments, and the like. 2,155,338; Apr. 18.
Stokes, William K. (See Sparling, W. E., and Stokes.)
Stoll, Frank A., assignor to Detroit Lubricator Company, Detroit, Mich. Burner. 2,155,339; Apr. 18.
Stopher, George A., Mount Pulaski, Ill. Divider for harvesters and the like. 2,154,588; Apr. 18.
Stolzer, William J., Little Rock, Ark. All metal automatic cooling tower. 2,154,587; Apr. 18.
Streby, Raymond D., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injector. 2,154,785; Apr. 18.
Stromeyer, Charles F., Mount Vernon, assignor to Revelation Patents Holding Company, New York, N. Y. Electrical transmission system. 2,154,783; Apr. 18.
Stroud, Byron B., assignor to Atlantic States Gas Company, Inc., New York, N. Y. Fuel supply system. 2,155,340; Apr. 18.
Studiengesellschaft der Deutschen Lederindustrie G. m. b. H. (See Grassmann, W., and Schelz, assignors.)
Stump, Earl, assignor to Roberts and Schaefer Company, Chicago, Ill. Resistance pack for gravity separators and the like. 2,154,784; Apr. 18.
Sturtevant, B. F., Company. (See Anderson, S. M., and Palmer, assignors.)
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan, Michael B., Spokane, Wash. Bus seat safety device. 2,154,540; Apr. 18.
Sulzer Freres Société Anonyme. (See Egloff, H. Conrad, assignor.)
Sulzer Freres Société Anonyme. (See Kägi, Emil, assignor.)
Sulzer Freres, Société Anonyme. (See Wälti, Heinrich, assignor.)
Sunair Auto Top Company. (See Creteur, Rudolph W., assignor.)
Sun Oil Company. (See Cooke, M. B., and Petty, assignors.)
Sun Tube Corporation, The. (See Friden, John H., assignor.)
Sutherland, Leslie T., Yonkers, assignor to The Barrett Company, New York, N. Y. Resin manufacture. 2,154,541; Apr. 18.
Sutherland Paper Company. (See Annen, James E., assignor.)
Sweet, Alvin J., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Polynuclear aryl thioisatins. 2,154,709; Apr. 18.
Syntron Company. (See Knobel, Max, assignor.)
Swager, William F., assignor of one-half to H. G. Fitzgerald, Los Angeles, Calif. Device for preparing coffee. 2,154,963; Apr. 18.
Swanson, Harold, Cleveland, Ohio. Electric incandescent high pressure gas metallic vapor lamp. 2,154,542; Apr. 18.
Swanson, Karl O., Chicago, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for alternating current motors. 2,154,543; Apr. 18.
Sweatt, Charles B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety control system. 2,154,644; Apr. 18.
Tangdall, Alfred, Superior, Nebr., assignor to Ideal Cement Company, Denver, Colo. Attachment for bag-filling tubes. 2,154,920; Apr. 18.
Taylor, Auburn, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill. Inking mechanism. 2,154,544; Apr. 18.
Taylor, Reginald, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill. Telephone system. 2,154,786; Apr. 18.
Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill. Automatic switch for use in telephone or like systems. 2,154,785; Apr. 18.
Tea, Clark A. (See Breer, C., and Tea.)
Teeple, Lawrence R., Portland, Oreg. Apparatus for detecting and maintaining fire in a stoker. 2,154,787; Apr. 18.
Teeter, Wilford H., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Charge forming device. 2,155,104; Apr. 18.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerlach, Erwin, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schultz, Rudolf, assignor.)
Teletype Corporation. (See Kleinschmidt, Edward E. and E. F., assignors.)
Tellegen, Bernardus D. H., and C. J. van Loon, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. High frequency tuned amplifier circuits. 2,155,025; Apr. 18.
Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Valve mechanism. 2,154,964; Apr. 18.
Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve mechanism for rock drills. 2,154,788; Apr. 18.
Texas Company, The. (See Layne, Leslie A., assignor.)
Thiele, Helmuth M., Milwaukee, Wis. Inner tube for pneumatic tires. 2,155,105; Apr. 18.
Thoma, Hans, Karlsruhe, Baden, Germany. Power transmission. 2,154,710; Apr. 18.
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Pear preparation machine. 2,154,789; Apr. 18.
Thompson, Albert T., New Orleans, La. Converter. 2,154,876; Apr. 18.
Thompson, John B. D., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car construction. 2,154,645; Apr. 18.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Closure. 2,154,545; Apr. 18.
Tide Water Associated Oil Company. (See Edwards, T. O., Jr., and Stark, assignors.)
Tide Water Associated Oil Company. (See Kaufmann, Arthur G., assignor.)
Timken Roller Bearing Company, The. (See Streby, Raymond D., assignor.)
Todd, Everett W. (See Woodruff, M. H., and Todd.)
Topereck, Edward R., South Weymouth, assignor to Photoswitch Incorporated, Cambridge, Mass. Photoelectric relay. 2,154,480; Apr. 18.
Toth, Geiza B. K., Hopatcong, N. J., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Article of jewelry. 2,155,066; Apr. 18.
Townsend, Roy C., La Crosse, Wis. Trailer axle. 2,155,156; Apr. 18.
Tracy, Jay B., Upper Darby, assignor to General Refractories Company, Philadelphia, Pa. Refractory brick construction. 2,155,026; Apr. 18.
Tramblie, Harrison I. (See Harwick, H. K., and Tramblie.)
Trane Company, The. (See Anderegg, R. H., and Miner, assignors.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Automatic frequency control system. 2,155,208; Apr. 18.
Trencavel, Albert B., New York, N. Y., assignor to American Hot Water Systems, Inc. Hot water heating device. 2,154,646; Apr. 18.
Tret-O-Lite Company. (See De Groote, M., Keiser, and Blair, assignors.)
Trimount Coin Machine Company. (See French, Parker H., assignor.)
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Trolley, Isaac. (See Bateman, F. H., and Trolley.)
Tropic-Aire, Incorporated. (See Crowley, Enos W., assignor.)
Trott, Rolland S., Denver, Colo. Engine mounting. 2,155,377; Apr. 18.
Trout, Walter C., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex. Counterbalance crank. 2,155,174; Apr. 18.
Tulleners, Anton J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Treating acid liquors. 2,155,027; Apr. 18.

Tuot, Raymond A., assignor of one-half to Société Auxiliaire d'Etudes Electrochniques, Strasbourg, France, and one-half to Société Suisse d'Electricté et de Traction, Basel, Switzerland. Railway signaling device. 2,154,877; Apr. 18.
Turnbull Cone & Machine Company. See Turnbull, Francis W., assignor.)
Turnbull, David C., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Apparatus for abrasively treating metallic objects. 2,154,878; Apr. 18.
Turnbull, David C., assignor to American Foundry Equipment Company, Mishawaka, Ind. Apparatus for treating metal articles. 2,154,879; Apr. 18.
Turnbull, Francis W., assignor to Turnbull Cone & Machine Company, Chattanooga, Tenn. Ice cream cone. 2,155,106; Apr. 18.
Twigg, Ernest, assignor to Landers, Frary & Clark, New Britain, Conn. Valve. 2,154,880; Apr. 18.
Tyler, Waldo E., Kansas City, Mo., and P. R. Chamberlain and R. A. Loveland, Dewey, Okla., assignors to Dewey Portland Cement Company, Kansas City, Mo. Manufacture of rock wool. 2,155,107; Apr. 18.
Tyler, William C., assignor to William E. Pratt Mfg. Co., Joliet, Ill. Bumper type auto jack. 2,155,157; Apr. 18.
Ubbelohde, Leo, Berlin-Charlottenburg, Germany. Manufacture of improved products of cellulose and cellulose derivatives. 2,155,067; Apr. 18.
Union Bag & Paper Corporation. (See Avery, True M., assignor.)
Union Oil Company of California. (See Blount, A. L., and Flaxman, assignors.)
Union Switch & Signal Company, The. (See Stoker, Paul P., assignor.)
United Aircraft Corporation. (See Baker, Paul S., assignor.)
United Aircraft Corporation. (See Buck, Richard S., assignor.)
United Aircraft Corporation. (See Ryder, Earle A., assignor.)
United Shoe Machinery Corporation. (See Abell, Walter P., assignor.)
United Shoe Machinery Corporation. See Dyer, Newell V., assignor.)
United Shoe Machinery Corporation. See Jorgensen, Bernhardt, assignor.)
United States Rubber Company. See Foster, Boutwell H., assignor.)
United States Steel Corporation. (See Grossmann, Marcus A., assignor.)
United States Steel Corporation. (See Mathesius, W., and Grossmann, assignors.)
Universal Draft Gear Attachment Co. (See Camp, Percy B., assignor.)
Universal Oil Products Company. (See Heid, Jacob B., assignor.)
Universal Oil Products Company. (See Westenberg, Joseph E., assignor.)
Upton, Charles B., Piqua, Ohio. Foots-removing means for expressing presses. 2,154,965; Apr. 18.
Utilities Service Company. See Wertman, Millard W., assignor.)
Van Alstyne, B. E., et al. (See Booharin, Leo Y., assignor.)
Van der Berg, Douwe E. and J. E., Sioux Center, Iowa. Combination motorized sweep rake and hay stacker. 2,154,790; Apr. 18.
Van der Berg, John E. (See Van der Berg, Douwe E. and J. E.)
Vanderveer, Jewell W., assignor to Erie Malleable Iron Company, Erie, Pa. Marker. 2,154,966; Apr. 18.
Van Dijck, William J. D. (See van Wijk, W. R., and van Dijck.)
Van Duzee, Edward M. (See Bass, S. L., and Van Duzee.)
Van Gorden, Le Roy C. (See Harker, J. S., and Van Gorden.)
Van Hamersveld, John J. N., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,154,546; Apr. 18.
Van Loon, Carel J. (See Tellegen, B. D. H., and van Loon.)
Van Overeem, Cornelis. (See Vermeulen, R., and van Overeem.)
Van Uum, John H., Lakewood, Ohio. Bead trim retainer clip. 2,154,711; Apr. 18.
Van Uum, John H., Lakewood, Ohio. Self-locking securing device. 2,154,712; Apr. 18.
Van Wijk, Willem R., Amsterdam, and W. J. D. van Dijck, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Extracting ethereal oils. 2,154,713; Apr. 18.
Verbeeck, Joseph, London, England. Automatically operable organ. 2,155,158; Apr. 18.
Vermeulen, Roelof, and C. van Overeem, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for mechanical recording. 2,154,589; Apr. 18.
Veron, Vernon J., Portland, Oreg. Honing device for shears. 2,155,175; Apr. 18.
Vibra-Lite Limited. (See Armstrong, H., and Jones, assignors.)
Villeméjane, Jacques, Paris, France. Animated toy. 2,155,002; Apr. 18.
Vokes, Ralph C., Detroit, Mich. Building structure. 2,154,590; Apr. 18.
Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Pressure relief device. 2,154,827; Apr. 18.
Von Wangenheim, Adolf, and W. S. Landon, assignors to Detroit Lubricator Company, Detroit, Mich. Liquid dividing feed mechanism. 2,155,368; Apr. 18.
Vorkauf, Heinrich, assignor to Herpen & Vorkauf, Berlin, Germany. Power plant. 2,154,481; Apr. 18.
Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,154,921; Apr. 18.
Vulcan Corporation. (See Clausing, George, assignor.)
Waldeck, William F. (See Beecher, B. K., and Waldeck.)
Waldmann, Edmund, Klosterneuburg, and A. Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonated organic compounds and making them. 2,154,922; Apr. 18.
Walker, Charles R., Jersey City, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter system. 2,154,547; Apr. 18.
Walker, Cyrus M., Kansas City, Mo. Netting support for cots. 2,155,209; Apr. 18.
Wall, Edmund L. (See Bannon, Thomas W., assignor.)
Wallace, Archibald L., Northport, N. Y. Strip guide for molding apparatus. 2,154,791; Apr. 18.
Walter, John C., Collingswood, N. J., assignor to Wired Radio, Inc., New York, N. Y. Signaling system. 2,154,923; Apr. 18.
Wälti, Heinrich, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Internal combustion engine apparatus. 2,155,068; Apr. 18.
Ward Baking Company. (See Hoffman, C., Dalby, and Schweitzer, assignors.)
Ware, Elmer G., Bakersfield, Calif. Pumping gear. 2,155,108; Apr. 18.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Governing mechanism. 2,155,247; Apr. 18.
Warner & Swasey Company, The. (See Darash, Nicholas P., assignor.)
Warner & Swasey Company, The. (See Lange, Max E., assignor.)
Warner & Swasey Company, The. (See Van Hamersveld, John J. N., assignor.)
Waseige, Charles R., Rueil-Malmaison, assignor to Societe Anonyme Air Equipment, Bellancourt, Seine, France. Driving mechanism. 2,154,591; Apr. 18.
Watson, Edward F., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Teletypewriter automatic switching system. 2,154,592; Apr. 18.
Way, Gilbert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Crankcase ventilating system. 2,154,593; Apr. 18.
Wayne, Frederick A., Detroit, Mich. Suction mounting. 2,155,341; Apr. 18.
Weatherby, Benjamin B., Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y. Seismic surveying. 2,154,548; Apr. 14.
Weaver, Myron A., Rye, N. Y., assignor to American Telephone & Telegraph Company. Multiplex carrier wave transmission. 2,154,594; Apr. 18.
Weber Engine Company. (See Gold, Samuel B. and B. E., assignors.)
Weber, Harry M., West Engelwood, N. J., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Chewing gum base. 2,154,482; Apr. 18.
Weber, Karl H., Toledo, Ohio. Coil winding machine. 2,154,792; Apr. 18.
Weber, Karl H., Toledo, Ohio. Threading machine for insulator blanks. 2,154,793; Apr. 18.
Weinstein, Herman. (See Stember, B., and Weinstein.)
Weirich, William, Secane, Pa. Winding electric motor coils. 2,154,595; Apr. 18.
Weissert, Gerald E., assignor to Sewall Paint & Varnish Company, Kansas City, Mo. Lacquer dispensing valve. 2,154,549; Apr. 18.
Wellington Machine Company. (See Gannett, Chauncey W., assignor.)
Wells-Gardner & Company. (See Johnson, John K., assignor.)
Werk, M., Company, The. (See Eisenlohr, Gustav W., assignor.)
Werner, Henry E., Houston, assignor to H-T Band Socket Corporation, Galveston, Tex. Machine for forming buckles on bale ties. 2,154,794; Apr. 18.
Wertman, Millard W., assignor to Utilities Service Company, Allentown, Pa. Insulator clevis. 2,154,881; Apr. 18.
Wesseler, William J. (See Snyder, Aulden D., assignor.)
West, Roger R., Vancouver, British Columbia, Canada. Tank filling apparatus. 2,154,647; Apr. 18.
Westenberg, Joseph E., assignor to Universal Oil Products Company, Chicago, Ill. Controlling temperature in exothermic reactions. 2,154,795; Apr. 18.
Western Cartridge Company. (See Lewis, George S., assignor.)
Western Union Telegraph Company, The. (See d'Humy, F. E., and Franklin, assignors.)

Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Closing collapsible tubes. 2,155,028; Apr. 18.
Westin, Charles J., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Tube sealing press. 2,155,029; Apr. 18.
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, E. E., and Good, assignors.)
Westinghouse Air Brake Company, The. (See Kelley, Cecil S., assignor.)
Westinghouse Air Brake Company, The. (See Mautsch, Robert H., assignor.)
Westinghouse Air Brake Company, The. (See Newell, George K., assignor.)
Westinghouse Air Brake Company, The. (See Renshaw, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See de Loache, Robert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Leeds, W. M., and Baker, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mikina, S. J., Oplinger, Osbon, and Sentipal, assignors.)
Westinghouse Electric & Manufacturing Company. (See Pakala, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Jerome M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schofield, Stanley T., assignor.)
Westinghouse X-Ray Company. (See Nelson, Albert C., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Francis X., assignor.)
Weston, Milton T., Red Bank, N. J. Resilient driving chain. 2,154,648; Apr. 18.
West Virginia Pulp & Paper Company. (See Rawling, Francis G., assignor.)
Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of the pyrazolanthrone series. 2,155,369; Apr. 18.
White, Arthur J., Cleveland Heights, and P. J. Johnson, University Heights, Ohio, assignors to General Electric Company. Electric lamp or similar device. 2,154,550; Apr. 18.
White, John F. (See Wilson, W. S., and White.)
Whittington, Frederick G., Toledo, Ohio. Switch. 2,154,796; Apr. 18.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,155,176; Apr. 18.
Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Forming vehicle doors and molding therefor. 2,154,596; Apr. 18.
Widmann, Hugo. (See Eisenhut, O., Rein, and Widmann.)
Wilkerson, Sterling J., Omaha, Nebr. Menstrual appliance. 2,155,285; Apr. 18.
Wilkins, Frederic J., Glendale, Calif. Brake operating mechanism. 2,155,030; Apr. 18.
Willets, William C., Glendale, Calif. Water cooler and dispenser. 2,154,797; Apr. 18.
Williams, Austin H. (See Saville, W., and Williams.)
Williams, Eleanor. (See McDonough, Will D., assignor.)
Willys-Overland Motors, Inc. (See Edwards, Henry J., assignor.)
Wilson, Alexander L., Indiana Township, Allegheny County, Pa., assignor to Carbide and Carbon Chemicals Corporation. Hair waving. 2,154,925; Apr. 18.
Wilson, Alexander L., Indiana Township, Allegheny County, and H. Morin, Mount Lebanon Township, Allegheny County, Pa.; said Wilson assignor to Carbide and Carbon Chemicals Corporation. Hair waving. Hair waving. 2,154,924; Apr. 18.
Wilson, William S., Brookline, and J. F. White, Somerville, Mass., assignors, by mesne assignments, to Monsanto Chemical Company. Glassy resinlike ferric sulphate and preparing the same. 2,155,069; Apr. 18.
Winding, Bess, Croton on Hudson, N. Y. Toilet seat and cover. 2,155,286; Apr. 18.
Winkelmann, Herbert A., Chicago, and J. P. McKenzie, Evanston, assignors to Marbon Corporation, Chicago, Ill. Fluid ester gum composition. 2,154,798; Apr. 18.
Winter, Carl. (See Wolff, P. H., Helm, Winter, and Bettag.)
Wired Radio, Inc. (See Walter, John C., assignor.)
Wiseman, Philip, et al., trustees. (See Dolbear, Clinton E., assignor.)
Wiseman, P. Kenneth, et al., trustees. (See Dolbear, Clinton E., assignor.)
Wishinsky, William, New York, N. Y. Vegetable and fruit press. 2,154,649; Apr. 18.
Wishinsky, William, New York, N. Y. Grater. 2,154,650; Apr. 18.
Witherow, William P. (See Henderson, Albert, assignor.)
Wodack Electric Tool Corporation. (See Wodack, O. P., and Zschau, assignors.)
Wodack, Oscar P., and H. M. Zschau, assignors to Wodack Electric Tool Corporation, Chicago, Ill. Tool retainer for portable power driven tools. 2,154,651; Apr. 18.
Wodtke, Hans V., Marion, Ind., assignor to Anaconda Wire & Cable Company, New York, N. Y. Flexible stranded conductor. 2,154,551; Apr. 18.
Wolf, Austin M., Plainfield, N. J. Vehicle. 2,155,287; Apr. 18.
Wolf, Wallace J., assignor to Bastian Brothers Company, Rochester, N. Y. Signal device. 2,155,342; Apr. 18.
Wolff, Paul Herbert, Frankfort-on-the-Main-Hochst, F. Heim, Sindlingen, and C. Winter and L. Bettag, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the triarylmethane series. 2,154,926; Apr. 18.
Woodruff, Moffitt H., Lubbock, and E. W. Todd, Dallas, Tex. Power lift. 2,155,177; Apr. 18.
Woodside, John H., Pomona, Calif. Lock buckle. 2,155,159; Apr. 18.
Woolley, William J., Chicago, Ill. Humidifier. 2,155,070; Apr. 18.
World Bestos Corp. (See Nanfeldt, William, assignor.)
Wurster, Henry A., Cleveland, Ohio. Mold clamping mechanism. 2,154,967; Apr. 18.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Pentaerythritol tetranitrate explosive. 2,154,552; Apr. 18.
Wyler, Max. (See Davies, J. S. H., Wyler, Barrett, and Linstead.)
Yaglou, Constantin P., Boston, Mass. Aerological instrument. 2,154,927; Apr. 18.
Yale & Towne Manufacturing Company, The. (See Braunling, Karl A., assignor.)
Yarter, Ell J., deceased, Staten Island, N. Y.; E. Yarter, administratrix. Measuring instrument. 2,155,352; Apr. 18.
Yarter, Elizabeth, administratrix. (See Yarter, Ell J., assignor.)
Yoshimura, Teiji. (See Mizuta, M., and Yoshimura.)
Young, Arthur J., Putney, London, England, assignor to Radio Corporation of America. Electrical time circuit arrangement and oscillation generator. 2,155,210; Apr. 18.
Young, Harold M., et al. (See Hartman, Thomas L., assignor.)
Young, Leonard A., assignor to Star-Service Hanger Company, Detroit, Mich. Garment hanger. 2,155,071; Apr. 18.
Young, Robert W., Jr., Winnetka, Ill. Turntable center. 2,154,799; Apr. 18.
Young, William W. (See Boericke, G. W., and Young.)
Yoxall, Joseph, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England. Hydraulic power transmission device. 2,154,882; Apr. 18.
Zahn, Otto E., assignor to American Foundry Equipment Company, Mishawaka, Ind. Tumbling mill. 2,154,883; Apr. 18.
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Hofer, Hermann, assignor.)
Zarafu, Herman, West New York, assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J. Spooling or reeling mechanism. 2,155,211; Apr. 18.
Zeiss, Carl. (See Rönne, Henning, assignor.)
Zenorini, Andrew, Cliffside, N. J. Fabric and making the same. 2,155,212; Apr. 18.
Zenorini, Andrew, Cliffside, N. J. Yarn. 2,155,213; Apr. 18.
Ziehm, Marvin F., assignor to Rural Fire Apparatus Co., Inc., Hortonville, Wis. Trail finder. 2,154,714; Apr. 18.
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Machine for sizing and finishing bores. 2,155,072; Apr. 18.
Ziska, Adam, Wauwatosa, Wis. Spring. 2,155,073; Apr. 18.
Zoeller, Walter E. (See Phelps, P., and Zoeller.)
Zschau, Hugo M. (See Wodack, O. P., and Zschau.)
Zublin, John A., Los Angeles, Calif. Fluid operated rotary drilling bit. 2,154,553; Apr. 18.
Zublin, John A., Los Angeles, Calif. Star-disk roller bit. 2,154,554; Apr. 18.
Zumwinkel, Helen S., Webster Groves, Mo. Basket carriage. 2,154,800; Apr. 18.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Heat treatment apparatus. 2,154,928; Apr. 18.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. J. T. Davidson. Re. 21,051; Apr. 18.
Awning. A. T. Matthews. Re. 21,053; Apr. 18.
Gauge, Wheel centering and camber. O. Haucke. Re. 21,052; Apr. 18.
Listing adding machine. L. P. Crosman. Re. 21,050; Apr. 18.
Rod line idler. D. Erickson. Re. 21,049; Apr. 18.
Traffic controlling apparatus, Railway. H. A. Thompson. Re. 21,054; Apr. 18.

LIST OF PLANT INVENTIONS

Apple. J. W. Savely. 327; Apr. 18.
Rose. V. S. Hillock. 326; Apr. 18.

LIST OF DESIGN INVENTIONS

Apron. C. M. Mitchell. 114,405; Apr. 18.
Automobile. W. L. Morrison. 114,408; Apr. 18.
Billfold, change purse, and key holder, Combined. S. J. Steinman. 114,351; Apr. 18.
Board, Mimeograph equipment. K. F. Walker. 114,357; Apr. 18.
Bottle. J. L. Dunnock. 114,363; Apr. 18.
Bottle or similar article. M. W. Lowenstein. 114,368; April 18.
Bottle or similar article, Perfume. J. D. Buckingham. 114,360; Apr. 18.
Box or similar article, Power. J. D. Buckingham. 114,361; Apr. 18.
Brassière. H. Schoebel. 114,413; Apr. 18.
Brush or the like, Hair. P. Müller-Munk. 114,344; Apr. 18.
Burner, Oil. F. E. Herr. 114,331; Apr. 18.
Button. A. A. Scott, Jr. 114,347–8; Apr. 18.
Button or similar article. M. Berkman. 114,377; Apr. 18.
Cabinet, Ironing machine. H. W. Altorfer. 114,314; Apr. 18.
Cabinet or similar article, Phonograph. R. Patten and L. S. Briggs. 114,384; Apr. 18.
Cabinet, Remote control phonograph. P. M. Fuller. 114,322; Apr. 18.
Calendar desk unit, Combination. W. H. Kemp. 114,382; Apr. 18.
Camera. J. Galter. 114,323–4; Apr. 18.
Case, Flashlight. A. Gelardin. 114,327; Apr. 18.
Case, Lipstick. J. L. Younghusband. 114,359; Apr. 18.
Casing for a stitching machine. F. A. Prahl, Jr. 114,409–10; Apr. 18.
Casing for shoe machines. F. A. Prahl, Jr. 114,411; Apr. 18.
Clamping device. A. T. Stein. 114,350; Apr. 18.
Coat. S. H. Dick. 114,319; Apr. 18.
Coat. M. Edelson. 114,393; Apr. 18.
Coat. S. Zimmerman. 114,381; Apr. 18.
Coffee maker. S. W. Farber. 114,364; Apr. 18.
Container Combined powder puff and lipstick. J. B. Lee. 114,401; Apr. 18.
Cover for automobiles, Radiator grille. W. L. Morrison. 114,406–7; Apr. 18.
Crib. E. J. Spence. 114,371; Apr. 18.
Cutter, Cake. E. Zimmerly. 114,372; Apr. 18.
Deck of playing cards. J. C. Hampshire. 114,386; Apr. 18.
Doll and vanity bag or similar article, Combined. G. V. Menken. 114,404; Apr. 18.
Dress. S. Aronoff. 114,388; Apr. 18.
Dress. M. Cohn. 114,420; Apr. 18.
Dress. T. Coleman. 114,421; Apr. 18.
Dress. T. Coleman. 114,423–4; Apr. 18.
Dress. T. Fritz. 114,426–7; Apr. 18.
Dress. T. M. Fritz. 114,394; Apr. 18.
Dress. M. Michelson. 114,428–9; Apr. 18.
Dress. H. C. Shelton. 114,430–1; Apr. 18.
Dress. M. S. Tint. 114,418–19; Apr. 18.
Dress ensemble. P. Cancellare. 114,391; Apr. 18.
Dress ensemble. T. Coleman. 114,422; Apr. 18.
Dress ensemble. M. Massow. 114,403; Apr. 18.
Fabric or similar article, Embroidered textile. M. Leff. 114,399–400; Apr. 18.
Fabric or similar article, Textile. B. H. Barth. 114,389; Apr. 18.
Fabric or similar article, Textile. E. Quackenbush. 114,387; Apr. 18.
Fabric or similar article, Textile. M. A. Szach. 114,379; Apr. 18.
Fabric or similar article, Textile. M. Turpan. 114,354; Apr. 18.
Fabric or similar article, Textile. A. Von Eisenbarth. 114,356; Apr. 18.
Fabric, Textile. L. Kaufman. 114,398; Apr. 18.
Fabric, Textile. M. D. Kornfeld. 114,335–6; Apr. 18.
Fencing implement for practice in fencing. P. Jensen. 114,376; Apr. 18.
Film viewing machine. H. E. Turner. 114,353; Apr. 18.
Flashlight head. B. F. Muldoon. 114,343; Apr. 18.
Floor covering or the like. H. J. Landry. 114,338; Apr. 18.
Glove. M. Dunton. 114,392; Apr. 18.
Goal, Basketball. F. W. Fieldhouse. 114,375; Apr. 18.
Gown, Wedding. M. J. Shapiro. 114,414; Apr. 18.
Handle for heat regulators, Setting. A. H. Brodbeck. 114,315; Apr. 18.
Handle, Valve. C. Groen. 114,330; Apr. 18.
Hat. M. J. Marks. 114,383; Apr. 18.
Heel, Rubber. R. E. Spanner, L. P. Tufford, and A. G. Smith. 114,346; Apr. 18.
Holder, Combined cigarette and gum. J. H. Horsley. 114,367; Apr. 18.
Insulator, Electric. J. J. Taylor. 114,352; Apr. 18.
Jacket for tobacco containers. C. T. Hobba. 114,366; Apr. 18.
Jar. F. Smith. 114,370; Apr. 18.
Knife. A. Guerra. 114,396; Apr. 18.
Lamp or similar article, Wall. W. L. Gregg. 114,329; Apr. 18.
Lifter, Pot. R. H. Moyer. 114,369; Apr. 18.
Manicuring device. E. Bocchino. 114,390; Apr. 18.
Monoplane, Low wing cantilever. J. G. Taylor, R. C. Wilson, and O. A. Swanson. 114,417; Apr. 18.
Ornament or similar article, Vehicle. J. D. Wilson. 114,358; Apr. 18.
Plate or similar article. C. W. Leigh. 114,402; Apr. 18.
Press. W. Ernst, and H. Van Doren. 114,321; Apr. 18.
Rack, Tumbler. A. J. Havlis. 114,397; Apr. 18.
Range, Table-top. J. E. Leonard. 114,339; Apr. 18.
Razor, Electric. J. Galter. 114,325–6; Apr. 18.
Redingote. G. Constantine. 114,425; Apr. 18.
Ring, Finger. L. S. Burri. 114,317; Apr. 18.
Rug. L. Biva. 114,334; Apr. 18.
Scaffold end frame. R. A. Uecker, D. E. Beatty, and I. G. Rambo. 114,355; Apr. 18.
Scale, Counter. S. R. McKinney. 114,374; Apr. 18.
Shell of a Pitot static tube. V. E. Carbonara. 114,362; Apr. 18.
Shell of a Pitot static tube. P. Kollsman. 114,332–3; Apr. 18.
Shield or similar article, Automobile fender. D. H. Mills. 114,341; Apr. 18.
Shoe or similar article. V. De Liso. 114,318; Apr. 18.
Shoe or the like. W. F. A. Buehner. 114,316; Apr. 18.
Shoe sole or analogous article, Composite. B. H. MacLeon. 114,340; Apr. 18.
Sled, Coasting. W. E. Kidder. 114,373; Apr. 18.
Sofa or similar article. C. Stoll. 114,378; Apr. 18.
Sofa or similar article. C. Stoll. 114,415–6; Apr. 18.
Stand, Power pipe. A. S. Gould. 114,328; Apr. 18.
Stand, Refreshment. L. F. Mueller. 114,342; Apr. 18.
Standard for a shoe machine. F. A. Prahl, Jr. 114,412; Apr. 18.
Suit, Lady's. L. W. Goodkind. 114,395; Apr. 18.
Sweater. L. A. Reitmeister. 114,345; Apr. 18.
Tea maker. S. W. Farber. 114,365; Apr. 18.
Tool for adjusting ignition circuit breakers. H. Eisner. 114,320; Apr. 18.
Trailer. W. O. Wells. 114,385; Apr. 18.
Vase and support, Combined. F. I. Sparrow. 114,349; Apr. 18.
Vending machine. D. S. Bond. 114,380; Apr. 18.
Vibrator, Electric. M. L. Landgraf. 114,337; Apr. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abietyl compounds and products produced thereby, Treatment of. E. R. Littmann. 2,154,629; Apr. 18.
Abrading apparatus. C. H. Hammell. 2,154,843; Apr. 18.
Abrasive. W. E. Catlin. 2,154,436; Apr. 18.
Accelerating device. A. G. Hopkins. 2,155,088; Apr. 18.
Acid, Apparatus for making aqueous hydrofluoric. H. C. Kremers. 2,155,315; Apr. 18.
Acid esters and making, Diazo sulphonic. J. G. Kern. 2,154,509; Apr. 18.
Acid liquors, Treating. A. J. Tulleners. 2,155,027; Apr. 18.
Acid, Production of pure benzoic. W. Koch. 2,154,626; Apr. 18.
Acid resin and making same, Polyhydric alcohol polybasic. I. Rosenblum. 2,154,471; Apr. 18.
Acid treatment of oils, Sulphuric. T. O. Edwards, Jr. and D. D. Stark. 2,155,007; Apr. 18.
Adhesive for linoleum and the like floor coverings. C. Schiliein. 2,154,872; Apr. 18.
Adjustable dual condenser. J. K. Johnson. 2,155,050; Apr. 18.
Adjusting and fastening means for corsets, girdles, and the like. H. P. Corsa. 2,155,305; Apr. 18.
Aerological instrument. C. P. Yaglou. 2,154,927; Apr. 18.
Air conditioning apparatus. D. H. Reeves. 2,154,638; Apr. 18.
Air conditioning mechanism. G. D. Kingsland. 2,154,511; Apr. 18.
Air conditioning system. W. L. McGrath. 2,154,858; Apr. 18.
Air conditioning system. P. Parke and F. O. Marshall. 2,154,769; Apr. 18.
Air cooling and circulating device. W. L. Morrison. 2,154,466; Apr. 18.
Aircraft and sustaining rotors therefor. J. A. J. Bennett and N. Mearns. 2,154,601; Apr. 18.
Alarm, Burglar. J. V. Caneghem. 2,154,972; Apr. 18.
Alarm, Electric switch. J. Komorowski. 2,154,459; Apr. 18.
Album, Photographic. A. Oppermann. 2,155,327; Apr. 18.
Alcohols, Purification of polyhydric. T. Evans. 2,154,930; Apr. 18.
Alloy: *See*—
Dental casting alloy.
Alloy steels. M. A. Grossmann. 2,155,347–8; Apr. 18.
Alloy steels. W. Mathesius and M. A. Grossmann. 2,155,349–50; Apr. 18.
Alloys, Producing. R. G. Guthrie. 2,154,613; Apr. 18.
Animal trap. S. Cooper. 2,155,006; Apr. 18.
Antiskidding device for motor vehicles. F. Hanel. 2,155,130; Apr. 18.
Apparatus for abrasively treating metallic objects. D. C. Turnbull. 2,154,878; Apr. 18.
Apparatus for detecting and maintaining fire in a stoker. L. R. Teeple. 2,154,787; Apr. 18.
Apparatus for producing reciprocatory or vibratory motion. M. Knobel. 2,154,627; Apr. 18.
Apparatus for the manufacture of indented corrugated paper products. C. Q. Ives. 2,154,940; Apr. 18.
Apparatus for treating metal articles. D. C. Turnbull. 2,154,879; Apr. 18.
Arbor, Split straightening. C. E. Pierce. 2,154,582; Apr. 18.
Arch support. J. F. Schipper. 2,154,997; Apr. 18.
Armature, Motor. F. P. Forss. 2,154,740; Apr. 18.
Article, particularly airscrew blade of laminated wood, and method of manufacture, Pressed. B. Jablonsky. 2,155,375; Apr. 18.
Articles in transit, Apparatus for refrigerating. P. Phelps and W. E. Zoeller. 2,154,696; Apr. 18.
Articles, Treating hollow glass. O. G. Burch. 2,154,490; Apr. 18.
Asphalt, Manufacture of. J. B. Held. 2,154,746; Apr. 18.
Atomizer for liquids. J. Kampschulte. 2,154,941; Apr. 18.
Attachment for bag-filling tubes. A. Tangdall. 2,154,920; Apr. 18.
Attachment for winding taper ended packages. E. G. Hill and W. A. Seem. 2,154,847; Apr. 18.
Auto jack, Bumper type. W. C. Tyler. 2,155,157; Apr. 18.
Automotive vehicle. H. N. Durham. 2,154,497; Apr. 18.
Automotive vehicle. N. H. Nelson. 2,155,147; Apr. 18.
Axle for motor vehicles, Pivoted. H. Pinard. 2,154,957; Apr. 18.

Axle, Trailer. R. C. Townsend. 2,155,156; Apr. 18.
Bag: *See*—
Shoe bag.
Bag closing machine. C. F. Allison. 2,154,715; Apr. 18.
Bag filling machine. A. Krasa. 2,155,196; Apr. 18.
Bags, Apparatus and method for creasing. W. F. Habas and H. A. Bauer. 2,154,743; Apr. 18.
Bar cutter. P. Phelps. 2,154,697; Apr. 18.
Bar support and spacer, Combined. B. Hillberg. 2,154,748; Apr. 18.
Barrels and discharging the contents thereof, System of and apparatus for handling. W. E. Sparling and W. K. Stokes. 2,155,173; Apr. 18.
Basket liner. D. E. Lower. 2,154,985; Apr. 18.
Battery: *See*—
Electric storage battery.
Battery holder. E. N. Anketell. 2,154,653; Apr. 18.
Battery terminal clamp. M. Hunefeld and A. M. Kallansrud. 2,154,507; Apr. 18.
Battery tester. J. H. Kolseth. 2,155,314; Apr. 18.
Bead trim retainer clip. J. H. Van Uum. 2,154,711; Apr. 18.
Beam, Ferro-concrete. U. Finsterwalder. 2,155,121; Apr. 18.
Bearing: *See*—
Journal bearing. Roller bit bearing.
Bearing for hydraulic turbine shafts. G. K. Litsinger. 2,154,759; Apr. 18.
Bearing for valve springs, Adjustable thrust. J. Kirchhof. 2,155,195; Apr. 18.
Bearing lubricating system. B. S. Cain. 2,155,218; Apr. 18.
Benzol, Acid treating of. A. T. Scott. 2,155,367; Apr. 18.
Beverages, Process and apparatus for conditioning and dispensing. T. L. Hartman. 2,154,677; Apr. 18.
Bill-coin-key case. C. E. Martin. 2,154,857; Apr. 18.
Billfold. B. Stember and H. Weinstein. 2,154,826; Apr. 18.
Binding. C. L'Enfant. 2,154,516; Apr. 18.
Bismuth from copper or copper-containing melts and products, Removing. O. Nielsen and E. R. Lauber. 2,155,325; Apr. 18.
Bit: *See*—
Rotary drilling bit. Star-disk roller bit.
Bitumens, Products for treating. O. Smiley. 2,154,873; Apr. 18.
Blind, Venetian. H. K. Lorentzen. 2,154,909; Apr. 18.
Blue-print sheets, Manufacture of. W. M. Hinman and W. G. Hollmann. 2,154,506; Apr. 18.
Boat mooring apparatus. E. J. Gorskey. 2,155,043; Apr. 18.
Bobbin. G. B. Markle, Jr. 2,155,140; Apr. 18.
Bobbin support for battery looms. W. H. Bahan. 2,154,656–7; Apr. 18.
Bodies of calcium chloride hydrate or analogous material, Apparatus for making formed. J. W. Spiselman and C. R. Downs. 2,154,708; Apr. 18.
Bodies of solid calcium chloride hydrate, Formed. C. R. Downs and J. W. Spiselman. 2,154,672; Apr. 18.
Boiler and beverage infuser, Combined water. G. Hegwein. 2,154,845; Apr. 18.
Book package, Multiple pack. M. Polacsek. 2,155,203; Apr. 18.
Bottle and stopper grinding machine. J. J. Jeffries and H. C. Knoblock. 2,154,681; Apr. 18.
Bottle cap machine. G. J. Ahles. 2,155,288; Apr. 18.
Boxes, Making. K. W. Macdonald. 2,154,950; Apr. 18.
Brace and braced frame. L. I. Beckwith. 2,154,599; Apr. 18.
Bracing device. E. J. and W. L. Driscoll. 2,154,735; Apr. 18.
Bracket: *See*—
Electrical wire bracket.
Brake: *See*— Retardation control brake.
Empty and load brake. Vehicle brake.
Friction brake. Vehicle wheel brake.
Retardation controlled brake.
Brake. S. E. McFarland. 2,154,690; Apr. 18.
Brake actuating mechanism, Hand. P. B. Camp. 2,154,663; Apr. 18.
Brake construction. W. Stocker. 2,155,207; Apr. 18.
Brake cylinder and making same, Hydraulic. J. W. Leighton. 2,154,817; Apr. 18.
Brake device. C. C. Farmer. 2,155,222; Apr. 18.
Brake equalizer, Four-wheel. R. E. Gerndt. 2,155,042; Apr. 18.
Brake for trailers. R. Hunter. 2,154,815; Apr. 18.
Brake mechanism. F. W. Hunyady. 2,155,089; Apr. 18.

Brake operating mechanism. F. J. Wilkins. 2,155,030; Apr. 18.
Braking device, Automatic. C. S. Corzine. 2,154,729; Apr. 18.
Braking system. C. H. Nickell. 2,154,636; Apr. 18.
Braking system, Hydraulic. D. Collins. 2,155,302; Apr. 18.
Brick construction, Refractory. J. B. Tracy. 2,155,026; Apr. 18.
Brush. J. E. Blossom. 2,155,004; Apr. 18.
Brush, Fountain. M. Ombrella. 2,154,990; Apr. 18.
Bubble blower. A. J. Anderson. 2,154,652; Apr. 18.
Buckle, Belt. J. B. Pickelsimer. 2,154,698; Apr. 18.
Buckle, Lock. J. H. Woodside. 2,155,159; Apr. 18.
Building block and wall structure. L. F. Kemp. 2,154,754; Apr. 18.
Building construction. J. P. Boggs. 2,155,216; Apr. 18.
Building construction. H. W. Holmstrom. 2,154,570; Apr. 18.
Building construction, Light-transmitting. L. Logan. 2,154,686; Apr. 18.
Building structure. R. C. Vokes. 2,154,590; Apr. 18.
Building unit. H. J. Mackin. 2,154,520; Apr. 18.
Burner: *See*—
Down-draft burner. Oil burner.
Burner. F. A. Stoll. 2,155,339; Apr. 18.
Burner igniting device. F. L. Fox. 2,155,122; Apr. 18.
Bushing, Kelly-bar. W. A. Abegg. 2,155,109; Apr. 18.
Bushing puller. J. H. Robinson. 2,154,867; Apr. 18.
Cabinet construction. W. P. Gray. 2,155,128; Apr. 18.
Cable: *See*—
Electrical cable.
Calcium chloride, Forming lumps of. C. R. Downs and J. W. Spiselman. 2,154,671; Apr. 18.
Cameras, View finder for. J. K. Polhemus. 2,154,958; Apr. 18.
Can. J. L. Gray. 2,154,741; Apr. 18.
Candle, Artificial. N. L. Howard. 2,154,618; Apr. 18.
Car construction. J. B. D. Thompson. 2,154,645; Apr. 18.
Car coupler operating rod. V. E. Sisson. 2,155,333; Apr. 18.
Car truck. J. A. Shafer. 2,154,919; Apr. 18.
Carburetor. D. Firth. 2,155,162; Apr. 18.
Card, Greeting. M. L. Johntz. 2,155,193; Apr. 18.
Card receptacle. H. E. Osborn. 2,155,058; Apr. 18.
Card, Reminder. A. Schuerlein. 2,155,332; Apr. 18.
Card, Sales. H. W. Priester. 2,155,021; Apr. 18.
Carriage, Basket. H. S. Zumwinkel. 2,154,800; Apr. 18.
Carriage running gear, Baby. C. H. Kuniholm. 2,155,277; Apr. 18.
Carrier wave transmission, Multiplex. M. A. Weaver. 2,154,594; Apr. 18.
Carton. C. G. Johnson. 2,155,091; Apr. 18.
Carton construction. J. P. Shearer. 2,154,475; Apr. 18.
Carton, Dispensing. W. D. McDonough. 2,155,323; Apr. 18.
Case: *See*—
Bill-coin-key case.
Caster control means for movable trucks and the like. G. C. Noros and H. W. Kulp. 2,154,525; Apr. 18.
Catalytic reactions, Carrying out. M. Pier, W. Simon, and P. Jacob. 2,154,527; Apr. 18.
Caustic, Purification of. J. L. Jamieson. 2,155,269; Apr. 18.
Caustic solutions. B. K. Beecher and W. F. Waldeck. 2,155,252; Apr. 18.
Cellulose and cellulose derivatives, Manufacture of improved products of. L. Ubbelohde. 2,155,067; Apr. 18.
Chain: *See*—
Conveyer chain. Resilient driving chain.
Chair. G. W. Covington. 2,154,606; Apr. 18.
Chamber for electric gas switches, Quenching. H. Korndörfer. 2,155,276; Apr. 18.
Change speed gear, Automatic. C. E. Henriod. 2,155,132; Apr. 18.
Charge forming device. W. H. Teeter. 2,155,104; Apr. 18.
Chemical feeder and sampler. G. Raymond. 2,154,529; Apr. 18.
Chlorine monoxide, Preparation of. I. E. Muskat and G. H. Cady. 2,155,281; Apr. 18.
Chocolate, Manufacturing caffeine-containing. A. Rinne. 2,155,148; Apr. 18.
Chuck, A. J. Lewis. 2,154,908; Apr. 18.
Chuck and reamer, Combined. S. Z. Bonham. 2,154,560; Apr. 18.
Circuit: *See*—
Telephone conference circuit.
Circuit breaker. W. M. Leeds and B. P. Baker. 2,154,515; Apr. 18.
Circuit breaker, Multibreak high voltage. C. H. Flurscheim. 2,155,263; Apr. 18.
Circuit breaker system, Automatic reclosing. R. L. de Loache. 2,154,669; Apr. 18.
Circuit interrupter. J. M. Sandin. 2,154,703; Apr. 18.
Circuit interrupter. S. T. Schofield. 2,154,533; Apr. 18.
Circuits, Crystal-stabilized resonating. L. Kamenarovic. 2,154,849; Apr. 18.
Circuits, Electric valve. B. D. Bedford. 2,155,251; Apr. 18.
Circuits, High frequency tuned amplifier. B. D. H. Tellegen and C. J. van Loon. 2,155,025; Apr. 18.
Circular loom. J. Jabouley. 2,154,903; Apr. 18.
Clamp: *See*—
Battery terminal clamp.
Clay or the like, Method and apparatus for blunging and decolorizing. S. C. Lyons. 2,154,948; Apr. 18.
Cleaner: *See*—
Tube cleaner. Vacuum cleaner.
Clevis, Insulator. M. W. Wertman. 2,154,881; Apr. 18.
Clip: *See*—
Bead trim retainer clip.
Clip for use in radios and other devices, Spring holding. K. E. B. Stenberg. 2,154,537; Apr. 18.
Closure. F. G. Thwaits. 2,154,545; Apr. 18.
Closure attachment for containers. R. H. Pershall. 2,154,581; Apr. 18.
Closure for collapsible tubes. G. W. Parvis. 2,155,202; Apr. 18.
Coffee, Device for preparing. W. F. Swager. 2,154,963; Apr. 18.
Coffee product and producing the same. W. A. Heyman. 2,154,447; Apr. 18.
Coil winding machine. K. H. Weber. 2,154,792; Apr. 18.
Coils, Winding electric motor. W. Weirich. 2,154,595; Apr. 18.
Collapsible gate. A. W. Cunningham. 2,154,421; Apr. 18.
Collapsible sign. R. L. Bybee. 2,155,300; Apr. 18.
Collar support. J. W. Steel. 2,155,065; Apr. 18.
Collet. S. B. Martin. 2,155,019; Apr. 18.
Color compositions, Dispersible. R. J. O'Brien. 2,155,326; Apr. 18.
Coloring matters. A. R. Lowe. 2,155,054; Apr. 18.
Comb package. S. B. Jackson. 2,155,313; Apr. 18.
Combustion device. F. O. Shaffer. 2,154,706; Apr. 18.
Comfort responsive apparatus. M. E. Fiene. 2,155,262; Apr. 18.
Communication system. W. E. Pakala. 2,154,694; Apr. 18.
Compartment in trucks, Tire and tool carrying. F. Biszantz. 2,155,253; Apr. 18.
Compensation means for aero tube fire alarm systems, Automatic. F. M. Cowan and F. C. Evans. 2,155,345; Apr. 18.
Composition of matter and process for resolving petroleum emulsions. M. De Groote, B. Keiser, and C. M. Blair, Jr. 2,154,422–3; Apr. 18.
Composition to increase the efficiency of internal combustion engines. F. L. Carswell and R. F. Sanchez. 2,154,664; Apr. 18.
Compounds of the phthalocyanine series. J. S. Davies, M. Wyler, P. A. Barrett, and R. P. Linstead. 2,155,038; Apr. 18.
Compounds of the pyrazolanthrone series. M. A. Perkins and C. E. Carr. 2,155,364; Apr. 18.
Compounds of the pyrazolanthrone series. M. S. Whelen. 2,155,369; Apr. 18.
Compressor unloading device. G. K. Newell. 2,155,236; Apr. 18.
Condensation products and preparing them. M. Paquin. 2,155,328; Apr. 18.
Condenser: *See*—
Adjustable dual condenser.
Condenser plate mounting, Variable. H. Nelson. 2,155,201; Apr. 18.
Conductor, Flexible stranded. H. V. Wodtke. 2,154,551; Apr. 18.
Conductor support. L. A. Meisse. 2,155,234; Apr. 18.
Connection for loom swords, Eccentric. W. H. Bahan. 2,154,655; Apr. 18.
Connector: *See*—
Plug and socket connector.
Container: *See*—
Dispensing container. Whipping and display container.
Milk container.
Container. W. L. Moore. 2,155,057; Apr. 18.
Container assembling apparatus. J. E. Annen. 2,155,032; Apr. 18.
Containers, Making. A. R. Metzger. 2,154,691; Apr. 18.
Containers, Manufacture of filled. D. E. Maxfield. 2,154,521; Apr. 18.
Control means for controllable pitch propellers. P. S. Baker. 2,154,887; Apr. 18.
Control means for hydraulic presses and the like. A. F. Sinclair. 2,154,477; Apr. 18.
Control mechanism applicable to radio tuning and other uses. R. W. Colton. 2,154,437; Apr. 18.
Control system. J. W. Cooke. 2,155,373; Apr. 18.
Control system. G. W. Heumann. 2,155,268; Apr. 18.
Control system. H. A. Mantz. 2,155,233; Apr. 18.
Control unit, Hollow shafted. W. E. Haselwood. 2,154,615; Apr. 18.
Control valve. G. S. Noble. 2,154,693; Apr. 18.
Controller for alternating current motors. K. O. Swanson. 2,154,543; Apr. 18.
Converter. A. T. Thompson. 2,154,876; Apr. 18.
Conveyer. J. L. Ferguson. 2,155,306; Apr. 18.
Conveyer. A. D. Sinden. 2,154,707; Apr. 18.
Conveyer chain. J. S. Harker and L. C. Van Gorden. 2,154,844; Apr. 18.
Conveyer mechanism. A. N. Klyver. 2,154,853; Apr. 18.

Cooking, heating, or like apparatus for treating tins of food or other articles. H. D. Galvin. 2,154,978; Apr. 18.
Cooler and dispenser, Water. W. C. Willets. 2,154,797; Apr. 18.
Cooling by salts having a negative heat of solution. P. Schlumbohm. 2,154,473; Apr. 18.
Copy holder. L. W. Shafer. 2,155,246; Apr. 18.
Costumer. R. B. Curtiss. 2,154,833; Apr. 18.
Cotton picker. G. W. Bornman. 2,155,296; Apr. 18.
Coupling: *See*—
Flexible adapter coupling. Flexible coupling.
Coupling compounds for color forming development. W. Schneider and H. Loleit. 2,154,918; Apr. 18.
Coupling device. J. A. O'Day. 2,154,914; Apr. 18.
Coupling for fluid systems, Mated. P. W. Parkerton. 2,154,526; Apr. 18.
Crank, Counterbalance. W. C. Trout. 2,155,174; Apr. 18.
Cream separator. H. T. Anderson. 2,155,111; Apr. 18.
Creeper, Repairman's. W. Mahloch. 2,154,952; Apr. 18.
Crusher, Impact. W. H. Schacht. 2,155,150; Apr. 18.
Crushing, Method of. W. H. Schacht. 2,155,151; Apr. 18.
Cup, Measuring. J. L. Lawrence. 2,155,317; Apr. 18.
Curler, Hair. J. J. Feldman. 2,154,501; Apr. 18.
Current voltage multiplication, Direct. L. W. Parker. 2,155,363; Apr. 18.
Cushion testing apparatus. C. Breer and C. A. Tea. 2,154,561; Apr. 18.
Cut-off, Traveling. P. Phelps and J. Hohl. 2,154,695; Apr. 18.
Cutter: *See*—
Bar cutter.
Cyanidation process and apparatus. L. D. Mills and T. B. Crowe. 2,154,465; Apr. 18.
Cylinder head. I. E. Aske. 2,154,717; Apr. 18.
Damper, Hydraulic shock. I. A. Leslie. 2,154,906; Apr. 18.
Damper, Vibration. R. S. Buck. 2,154,489; Apr. 18.
Damper, Wire vibration. W. S. Diehl. 2,154,442; Apr. 18.
Defroster. E. C. Booth. 2,155,355; Apr. 18.
Dental casting alloy. C. J. Grossman. 2,155,047; Apr. 18.
Dental impressions, Method of and apparatus for taking. J. J. Sitkin and F. W. Archer. 2,155,334; Apr. 18.
Dental jacket. B. H. Eisenstein. 2,154,499; Apr. 18.
Desk. E. H. Hupp. 2,155,048; Apr. 18.
Desk, Typewriter. B. Bargen. 2,155,293; Apr. 18.
Detergent composition, Inhibited. C. L. Griffith and L. A. Hall. 2,155,045–6; Apr. 18.
Detergent product and making same. R. Furness and A. Fairbourne. 2,154,977; Apr. 18.
Device for mechanical recording. R. Vermculen and C. van Overeem. 2,154,589; Apr. 18.
Device for producing sealing disk sets for closure cap shells. A. J. Jonsson. 2,154,508; Apr. 18.
Device for tensioning metal binding strips for packages and the like. O. Kind. 2,154,851; Apr. 18.
Device intended preferably to indicate the immediate contents in containers. B. Skaraas and E. Danielsson. 2,154,962; Apr. 18.
Device to indicate the temperature of cooking meat. J. H. Adams. 2,154,426; Apr. 18.
Diaphragm for electrolytic cells and producing the same, Separative. W. E. Kershaw. 2,155,016; Apr. 18.
Diazo derivatives of guanyl-urea-N-sulphonic acids and N-nitro guanyl-ureas. R. P. Parker. 2,154,470; Apr. 18.
Differential mechanism. E. Ruspoli. 2,154,701; Apr. 18.
Dip, Bright. R. O. Hull. 2,154,451; Apr. 18.
Dip, Bright. F. F. Oplinger. 2,154,468–9; Apr. 18.
Dip, Cadmium bright. R. J. Kepfer. 2,154,455; Apr. 18.
Discharge apparatus, Electric. S. J. Mikina, K. A. Oplinger, W. O. Osbon, and S. Sentipal. 2,155,280; Apr. 18.
Discharge device, Electric. L. F. Perrott. 2,155,237; Apr. 18.
Dishes and apparatus for practicing same, Washing and drying. C. Ehret. 2,155,220; Apr. 18.
Dishwashing machine. T. E. D. Bilde. 2,154,559; Apr. 18.
Dishwashing machine. B. W. Jones. 2,155,272; Apr. 18.
Disks, Manufacturing annular. H. Schuster. 2,154,534; Apr. 18.
Dispenser: *See*—
Ice cream dispenser. Roll material dispenser.
Dispensing container. W. W. Dunnell. 2,155,084; Apr. 18.
Dispensing device. W. I. Hylton and J. Josinsky. 2,155,191; Apr. 18.
Display device. C. W. Boston. 2,154,658; Apr. 18.
Display device. R. Heinz. 2,155,190; Apr. 18.
Display device. R. J. Maneuso. 2,154,911; Apr. 18.
Display fixture. M. D. Mendle. 2,155,097; Apr. 18.
Display, Method of and apparatus for illuminating a chromatically variegated. H. Armstrong and R. S. S. Jones. 2,154,829; Apr. 18.
Divider for harvesters and the like. G. A. Stopher. 2,154,588; Apr. 18.
Doll construction. M. De Cesare and D. Cohn. 2,155,081; Apr. 18.
Doll figure. E. T. Myers. 2,154,635; Apr. 18.
Door and side frame construction, Railway car. G. and T. Madland. 2,154,951; Apr. 18.
Door check. E. B. G. Lefevre. 2,155,167; Apr. 18.
Door holder. W. R. Sampson. 2,154,869; Apr. 18.
Doors and molding therefor, Forming vehicle. C. H. Widman. 2,154,596; Apr. 18.
Doorway construction. D. J. Seaman. 2,154,641; Apr. 18.
Dough control means. A. A. Liebelt. 2,154,462; Apr. 18.
Down-draft burner. J. R. Fellows. 2,155,120; Apr. 18.
Drafting apparatus and method. B. H. Foster. 2,154,675; Apr. 18.
Drafting instrument. W. J. Kallio. 2,154,753; Apr. 18.
Drawing curve, Adjustable. W. Moses. 2,155,169; Apr. 18.
Drill: *See*—
Percussion drill. Rock drill.
Drive for oppositely rotating coaxial propellers, Propeller. E. A. Ryder. 2,154,532; Apr. 18.
Driving mechanism. E. R. Maurer. 2,154,575; Apr. 18.
Driving mechanism. R. M. Nardone. 2,154,861; Apr. 18.
Driving mechanism. C. R. Waselge. 2,154,591; Apr. 18.
Duplicating machine. T. W. Bannon. 2,154,718; Apr. 18.
Duplicating machine. E. J. Cook. 2,154,974; Apr. 18.
Duplicator, Rotary. C. H. Bradt. 2,154,604; Apr. 18.
Dust collector. R. A. Briggs, Jr. 2,154,661; Apr. 18.
Dyestuffs, Azo. M. Schmid. 2,155,001; Apr. 18.
Dyestuffs containing simultaneously radicals of anthraquinone dyestuffs and azo dyestuffs and making the same. H. Gubler and E. Bernasconi. 2,154,981; Apr. 18.
Dyestuffs insoluble in water, Monoazo. E. Fischer. 2,154,837; Apr. 18.
Dyestuffs of the anthraquinone series. R. N. Lulek and C. F. Belcher. 2,155,359–60; Apr. 18.
Dyestuffs of the phthalocyanine series, Production of. F. Muehlbauer and G. Niemann. 2,154,912; Apr. 18.
Dyestuffs of the triarylmethane series. P. H. Wolff, F. Helm, C. Winter, and L. Bettag. 2,154,926; Apr. 18.
Dyestuffs soluble in water, Monoazo. E. Fischer and W. Gmelin. 2,154,838; Apr. 18.
Earth conditioning machine. E. T. Gard. 2,154,840; Apr. 18.
Educational system. C. N. Smith. 2,154,478; Apr. 18.
Elbow and kindred pipe fittings. E. S. Corneli, Jr. 2,155,080; Apr. 18.
Electric conductor, Convertible. L. F. Phillips. 2,155,060; Apr. 18.
Electric conductor, Hollow. S. F. French. 2,154,502; Apr. 18.
Electric furnace. K. Erdmann. 2,154,737; Apr. 18.
Electric heater. G. E. Atkinson and H. M. Jones. 2,155,289; Apr. 18.
Electric heater. C. P. Randolph. 2,155,239; Apr. 18.
Electric storage battery. W. L. Gill. 2,154,841; Apr. 18.
Electric switch. R. F. Sambleson. 2,155,244; Apr. 18.
Electrical cable. M. M. Safford. 2,155,243; Apr. 18.
Electrical contacting element. S. Ruben. 2,154,700; Apr. 18.
Electrical coupling system. G. Mountjoy. 2,154,692; Apr. 18.
Electrical measuring system. E. T. Davis. 2,155,346; Apr. 18.
Electrical method and apparatus for determining the characteristics of geologic formations. J. J. Jakosky. 2,155,133; Apr. 18.
Electrical resistance. F. X. Lamb. 2,154,685; Apr. 18.
Electrical transmission system. C. F. Stromeyer. 2,154,783; Apr. 18.
Electrical wire bracket. W. A. Heinrich. 2,155,189; Apr. 18.
Electrolyte. A. M. Georgiev. 2,155,086; Apr. 18.
Electrolytic cell. F. Bencker. 2,154,830; Apr. 18.
Electronic tube. W. Dällenbach. 2,154,758; Apr. 18.
Emergency ignition switch. W. A. Mueller. 2,154,766; Apr. 18.
Empty and load appaartus. E. E. Hewitt. 2,155,225; Apr. 18.
Empty and load brake. W. B. Renshaw. 2,155,226; Apr. 18.
Emulsifying agents and making same. C. Maters and M. J. Riemersma. 2,155,141; Apr. 18.
Energy of mass oscillations of solid bodies, Destroying the. C. F. Byland. 2,155,052; Apr. 18.
Engine: *See*—
Fire engine. Two-cycle engine.
Internal combustion engine.
Engine apparatus, Internal combustion. H. Wälti. 2,155,068; Apr. 18.
Engine mounting. R. S. Trott. 2,155,377; Apr. 18.
Engine starting apparatus. H. Baer and M. J. Finnegan. 2,154,555; Apr. 18.
Envelope and savings bank, Combined. I. M. Silverberg. 2,154,780; Apr. 18.
Ester gum composition, Fluid. H. A. Winkelmann and J. P. McKenzie. 2,154,798; Apr. 18.
Ethers of the alkyl esters of hydroxy benzoic acids. S. L. Bass and E. M. Van Duzee. 2,154,598; Apr. 18.
Ethylene from a gaseous mixture with ethane, methane, and hydrogen, Method and apparatus for separating. W. L. De Baufre. 2,154,668; Apr. 18.

Ethylene from saturated hydrocarbons, Production of. H. Haenber and J. Hirschbeck. 2,154,676; Apr. 18.
Evaporator. J. H. Benson. 2,155,003; Apr. 18.
Evaporator units and composite evaporators, Construction of. L. M. Crosley and R. H. Money. 2,154,562; Apr. 18.
Expander ring. W. E. Amberg. 2,155,031; Apr. 18.
Expanding pipe plug. O. W. Eagar. 2,154,498; Apr. 18.
Explosive, Pentaerythritol tetranitrate. J. A. Wyler. 2,154,552; Apr. 18.
Extrusion press. J. H. Friden. 2,154,611; Apr. 18.
Fabric. C. T. Graham. 2,155,127; Apr. 18.
Fabric and making the same. A. Zenorini. 2,155,212; Apr. 18.
Facer board structure for Venetian blinds and the like. W. E. Shehan. 2,155,152; Apr. 18.
Facsimile printing telegraph system and apparatus. E. E. and E. F. Kleinschmidt. 2,154,512; Apr. 18.
Fan and making same. A. B. Hubbard and M. Stanton. 2,155,231; Apr. 18.
Fan construction. E. Newnham. 2,154,767; Apr. 18.
Fastener: *See*—
Rope fastener. Slidable fastener.
Fastener. B. C. Place. 2,154,993; Apr. 18.
Fastener attaching apparatus. W. Faas. 2,155,085; Apr. 18.
Feed drum for snap fastener setters. J. Gualtiere. 2,154,899; Apr. 18.
Feeder: *See*—
Sheet feeder.
Fermentation process. W. Karsch. 2,155,134; Apr. 18.
Ferric sulphate and preparing the same, Glassy resin-like. W. S. Wilson and J. F. White. 2,155,069; Apr. 18.
Fertilizers, Production of. H. A. Beekhuis, Jr. 2,155,372; Apr. 18.
Filling machine. D. D. Smith. 2,155,336; Apr. 18.
Film, Apparatus for welding. C. Scott. 2,154,474; Apr. 18.
Film, Copying of lenticular. M. Adam. 2,155,075; Apr. 18.
Film pack for color photography. R. G. Brown. 2,155,078; Apr. 18.
Filter: *See*—
Liquid dispenser filter. Oil filter.
Firearm, Breakdown. G. S. Lewis. 2,154,517; Apr. 18.
Fire engine. C. F. Smith. 2,154,642; Apr. 18.
Fire extinguisher, Pump. M. Mars. 2,154,986; Apr. 18.
Fireplace furnace. F. D. Howe. 2,154,939; Apr. 18.
Firing regulator. C. G. Petter. 2,154,770; Apr. 18.
Fish lure. N. M. Sleeper and H. V. Keeling. 2,155,335; Apr. 18.
Fishing lure W. C. Barnett. 2,155,294; Apr. 18.
Fishing lure. J. R. Kvitsky. 2,154,756; Apr. 18.
Flashing. W. P. Doing. 2,154,734; Apr. 18.
Flask and jacket, Precision. J. F. Hines. 2,154,749; Apr. 18.
Flexible adapter coupling. M. A. Elliott. 2,155,008; Apr. 18.
Flexible coupling. J. E. Padgett. 2,154,991; Apr. 18.
Float. F. V. Long. 2,154,760; Apr. 18.
Floor sanding machine. A. Iobbi. 2,154,620; Apr. 18.
Floor waxing device. S. J. Glenn. 2,155,125; Apr. 18.
Flow responsive mechanism. F. W. Schlalos. 2,154,777; Apr. 18.
Fluid compressor. P. L. Crittenden. 2,155,257; Apr. 18.
Fluid dispensing apparatus. F. M. Spayd. 2,154,479; Apr. 18.
Fluid flow control apparatus. K. D. McMahan. 2,155,279; Apr. 18.
Fluid flow regulator. B. Cyr. 2,155,358; Apr. 18.
Fluid heater. V. W. Moray. 2,154,764; Apr. 18.
Fluid operated pump. C. J. Coberly. 2,154,727; Apr. 18.
Fluids, Device for treating. M. M. Cory. 2,154,807; Apr. 18.
Flux, Welding electrode. A. P. Johnston. 2,154,816; Apr. 18.
Flypaper holder. J. A. Blair. 2,154,431; Apr. 18.
Foil gauge. C. M. Hathaway. 2,155,267; Apr. 18.
Folding steering wheel. R. Gerardy. 2,155,123; Apr. 18.
Foots-removing means for expressing presses. C. B. Upton. 2,154,965; Apr. 18.
Fork head, Hay. B. H. Lantz. 2,155,137; Apr. 18.
Fowl, Apparatus for plucking. O. H. Crapo. 2,154,420; Apr. 18.
Frame: *See*—
Brace and braced frame.
Frequency control system, Automatic. C. Travis. 2,155,208; Apr. 18.
Frequency divider. D. A. Bell. 2,154,484; Apr. 18.
Friction brake. C. C. Farmer. 2,155,221; Apr. 18.
Fuel control for internal combustion engines. R. M. Anderson. 2,154,417; Apr. 18.
Fuel injecting device for internal combustion engines. K. Mohr. 2,155,098; Apr. 18.
Fuel injector. R. D. Streby. 2,154,875; Apr. 18.
Fuel supply system. B. B. Stroud. 2,155,340; Apr. 18.
Fumigator. B. M. Bancroft. 2,154,803; Apr. 18.
Fur and the like and composition therefor. C. F. Fabian and A. N. Sachanen. 2,155,161; Apr. 18.
Fur treating device. H. Sklar. 2,155,172; Apr. 18.
Furnace: *See*—
Electric furnace. Fireplace furnace.
Fuse. C. L. Matthews, C. E. Mosley, and T. Birkenmaier. 2,154,688; Apr. 18.
Game, Card playing. R. L. Dodge. 2,154,891; Apr. 18.
Garment. O. Berman. 2,155,076; Apr. 18.
Garment hanger. L. A. Young. 2,155,071; Apr. 18.
Garment support. L. H. Lozier. 2,154,464; Apr. 18.
Gas analysis apparatus. D. E. Olshevsky. 2,154,862; Apr. 18.
Gas and method of producing whipped cream, Cream whipping. I. M. Diller. 2,155,260; Apr. 18.
Gas metallic vapor lamp, Electric incandescent high pressure. H. Swanson. 2,154,542; Apr. 18.
Gas system, Buried. W. C. Buttner and R. E. Evarts. 2,155,179; Apr. 18.
Gases, Apparatus for the compression of. E. Kägi. 2,155,051; Apr. 18.
Gate: *See*—
Collapsible gate.
Gauge: *See*—
Foil gauge.
Gauge glass illuminating device. J. McClain. 2,154,819; Apr. 18.
Gauging device and screw-down control. H. S. Lamb. 2,154,946; Apr. 18.
Gear: *See*—
Carriage running gear. Pumping gear.
Change speed gear.
Gear shifting attachment. B. Kuntz. 2,154,513; Apr. 18.
Generator: *See*—
Steam generator.
Gin, Huller cotton. F. E. Deems. 2,155,181; Apr. 18.
Glass circulating apparatus. H. R. Schutz. 2,154,535; Apr. 18.
Glass, Compound. H. W. Matheson. 2,155,142; Apr. 18.
Glass, Sight. W. E. Johnson. 2,155,270; Apr. 18.
Glass wool bats, and other articles, Apparatus for manufacturing. D. C. Simpson and T. A. Collins. 2,154,476; Apr. 18.
Gluing device. H. A. Green. 2,155,011; Apr. 18.
Golf clubs, Attachment for. C. H. Moore. 2,154,989; Apr. 18.
Governing mechanism. D. F. Warner. 2,155,247; Apr. 18.
Graphic method and means. F. W. Klessling. 2,155,094; Apr. 18.
Grater. W. Wishinsky. 2,154,650; Apr. 18.
Grease-setting agent. T. Hasselstrom. 2,154,616; Apr. 18.
Grinder, Flexible. L. Churgin. 2,155,037; Apr. 18.
Gripping device. M. J. Roche. 2,154,531; Apr. 18.
Ground glass joint. H. K. Martin. 2,154,574; Apr. 18.
Grubbing implement. R. W. Briggs. 2,154,970; Apr. 18.
Guard, Flexible highway. R. S. Mayer. 2,154,818; Apr. 18.
Guard, Tooth brush. F. M. Bouchard. 2,154,435; Apr. 18.
Gum base, Chewing. H. M. Weber. 2,154,482; Apr. 18.
Gun perforator and method. I. J. McCullough. 2,154,859; Apr. 18.
Gun sight. C. C. Loomis. 2,155,199; Apr. 18.
Hair remover device. G. A. Broyles. 2,155,299; Apr. 18.
Hair treatment. J. C. Brown. 2,155,178; Apr. 18.
Hair waving. A. L. Wilson. 2,154,925; Apr. 18.
Hair waving. A. L. Wilson and H. Morin. 2,154,924; Apr. 18.
Hair waving apparatus. F. O. Conill. 2,155,115; Apr. 18.
Hair waving device. D. W. Record. 2,154,637; Apr. 18.
Hair waving device. E. H. Schoenling. 2,155,282; Apr. 18.
Handle: *See*—
Saw handle.
Handle for mattresses and the like. M. Bechik. 2,154,556; Apr. 18.
Handle structure. R. I. Huffman. 2,154,752; Apr. 18.
Hanger: *See*—
Garment hanger.
Hardness testing machine. G. Reicherter. 2,154,823; Apr. 18.
Hardware, Casket. R. Larson. 2,155,197; Apr. 18.
Headlight system and means. R. P. Glenn. 2,154,842; Apr. 18.
Health protection member. M. Pottenger. 2,155,330; Apr. 18.
Heat exchanging element and making the same. A. J. Berg and J. O. Huse. 2,154,430; Apr. 18.
Heat transfer system. M. E. Fiene. 2,155,261; Apr. 18.
Heat treatment apparatus. T. Zuschlag. 2,154,928; Apr. 18.
Heater: *See*—
Electric heater. Orchard heater.
Fluid heater. Vibrator heater.
Heating and humidifying system. S. M. Anderson and R. T. Palmer. 2,154,801; Apr. 18.
Heating apparatus, Vehicle. R. H. Mautsch. 2,155,278; Apr. 18.
Heating system. R. H. Anderegg and R. G. Miner. 2,155,371; Apr. 18.
Hides and skins, Depilating. W. Grassmann and H. Schelz. 2,155,087; Apr. 18.
Hinge. M. L. Anderson. 2,154,716; Apr. 18.

Hinge. J. Ludwig. 2,154,519; Apr. 18.
Hinge. W. R. Morse. 2,154,860; Apr. 18.
Hinge and prop structure. S. De Orlow. 2,154,733; Apr. 18.
Holder: *See*—
Battery holder.
Copy holder.
Door holder.
Flypaper holder.
Key holder.
Negative holder.
Punch holder.
Tool holder.
Umbrella holder.
Holder and protector, Bottle. A. Rathemacher. 2,154,772; Apr. 18.
Holder for bedsprings, Mattress. M. Bechik. 2,154,557; Apr. 18.
Holder for bottles and paste tubes, Cap. A. J. Perdue. 2,155,329; Apr. 18.
Holder for goggles and the like, Adjustable. J. E. Dennis. 2,155,258; Apr. 18.
Holder for lathes, Tool. F. S. Floeter. 2,154,739; Apr. 18.
Honing device for shears. V. J. Veron. 2,155,175; Apr. 18.
Horn. C. S. Kelley. 2,155,232; Apr. 18.
Horn. T. J. Scofield. 2,155,366; Apr. 18.
Humidifier. W. J. Woolley. 2,155,070; Apr. 18.
Hydraulic controlling system. F. V. Brown. 2,154,832; Apr. 18.
Hydraulic pressure multiplying mechanism. H. E. Page. 2,154,956; Apr. 18.
Hydrogenation process. R. J. Byrkit, Jr. 2,155,036; Apr. 18.
Ice cream cone. F. W. Turnbull. 2,155,106; Apr. 18.
Ice cream dispenser. I. L. and A. O. Clave. 2,154,806; Apr. 18.
Identification device. C. O. Roose. 2,154,959; Apr. 18.
Illumination switch. H. Geffcken and H. Richter. 2,155,224; Apr. 18.
Imprinting or embellishing apparatus. J. C. Gangel. 2,155,185; Apr. 18.
Inclinometer, acceleration, and deceleration meter, Deadbeat. K. C. Hawthorne and A. B. Campbell. 2,154,678; Apr. 18.
Ingot mold. R. Schustek and E. Pakulla. 2,155,283; Apr. 18.
Injector. F. S. Barks. 2,155,250; Apr. 18.
Ink, Printer's. H. Renck. 2,154,866; Apr. 18.
Inking mechanism. A. Taylor. 2,154,544; Apr. 18.
Inking mechanism for printing presses. T. M. Avery. 2,155,354; Apr. 18.
Inks, Manufacture of printing. R. N. Shiva. 2,155,103; Apr. 18.
Insect exterminator. E. Christensen. 2,154,418; Apr. 18.
Insecticide. A. F. Freeman. 2,155,010; Apr. 18.
Insecticide. A. G. Kaufmann. 2,154,850; Apr. 18.
Instrument for the examination of eyes. H. Rönne. 2,155,171; Apr. 18.
Insulator for handled vessels. A. B. Davidson. 2,154,667; Apr. 18.
Interliner for pneumatic tires. R. Ambuhl. 2,154,828; Apr. 18.
Internal combustion engine. S. B. and B. E. Gold. 2,154,504; Apr. 18.
Internal combustion engine. M. Mallory. 2,154,856; Apr. 18.
Internal combustion engine. G. C. McDermett. 2,155,143; Apr. 18.
Internal combustion engine, Variable volume. L. M. Griffith. 2,154,505; Apr. 18.
Jack: *See*—
Auto jack.
Jewelry, Article of. G. B. K. Toth. 2,155,066; Apr. 18.
Joint: *See*—
Ground glass joint.
Journal bearing. E. S. Pearce. 2,154,916; Apr. 18.
Journal box closure. W. L. Dwyer and M. J. Healey. 2,154,892; Apr. 18.
Key. A. A. Brill. 2,155,297–8; Apr. 18.
Keyboard for a shorthand or stenographic typewriting machine. M. den Outer. 2,154,577; Apr. 18.
Key holder. G. J. Howe. 2,155,014; Apr. 18.
Keyway cutting tool. H. E. Morton. 2,154,576; Apr. 18.
Knitting machinery. J. Morton and R. S. E. Hannay. 2,155,145–6; Apr. 18.
Lacquer dispensing valve. G. E. Weissert. 2,154,549; Apr. 18.
Lacrymal ducts, Process and apparatus for treatment of diseased obstruction of the. V. V. Alkio. 2,154,968; Apr. 18.
Lamp: *See*—
Gas metallic vapor lamp.
Lamp or similar device, Electric. A. J. White and P. J. Johnson. 2,154,550; Apr. 18.
Lamps, Apparatus for prefocusing. D. E. Elmendorf. 2,154,500; Apr. 18.
Latch for fastenings. R. W. Hempel. 2,154,936; Apr. 18.
Lathe. A. Ohera. 2,154,915; Apr. 18.
Lathe, Copying. G. Clausing. 2,154,725; Apr. 18.
Levels, Apparatus for repairing and correcting. H. J. Kleineschay. 2,154,625; Apr. 18.
Lever construction. R. A. Sandberg. 2,155,062; Apr. 18.
Lever construction, Brake. R. A. Sandberg. 2,155,061; Apr. 18.
Lift, Power. M. H. Woodruff. 2,155,177; Apr. 18.
Lighting system, Airport. J. B. Bartow. 2,155,295; Apr. 18.
Liner, Drillable well. E. B. Hall and A. L. Armentrout. 2,155,129; Apr. 18.
Liquid dispenser filter. J. T. Dickson. 2,155,259; Apr. 18.
Liquid dividing feed mechanism. A. von Wangenheim and W. S. Landon. 2,155,368; Apr. 18.
Liquid supply and control device. W. A. Frantz and J. J. McCabe. 2,154,566; Apr. 18.
Liquids, especially water, Deacidification of. O. Liebknecht. 2,155,318; Apr. 18.
Lock: *See*—
Loom beam lock.
Locking structure, Automobile. R. A. Sandberg. 2,155,063–4; Apr. 18.
Loom: *See*—
Circular loom.
Loom beam lock. E. A. Hill. 2,154,679; Apr. 18.
Looms, Protection device in. W. H. Baker. 2,154,802; Apr. 18.
Looms, Shedding mechanism for. J. Jabouley. 2,154,902; Apr. 18.
Loudspeaker support. R. Schultz. 2,154,705; Apr. 18.
Lubricant. C. F. Prutton. 2,155,204; Apr. 18.
Machine for assembling fins and tubes. J. D. Lear. 2,154,855; Apr. 18.
Machine for forming buckles on bale ties. H. E. Werner. 2,154,794; Apr. 18.
Machine for making laminated containers. S. Smith. 2,154,825; Apr. 18.
Machine for molding plastic materials. J. Lauterbach. 2,155,316; Apr. 18.
Machine for sizing and finishing bores. H. W. Zimmerman. 2,155,072; Apr. 18.
Machine for the treatment of photographic prints. J. Samandji. 2,154,585; Apr. 18.
Machine tool. M. E. Lange. 2,154,514; Apr. 18.
Machine tool. J. J. N. Van Hamersveld. 2,154,546; Apr. 18.
Machinery for making wire fencing. J. B. Getz and J. H. Leader. 2,155,186; Apr. 18.
Magnetic material. I. W. Cox. 2,154,730; Apr. 18.
Magneto, Ignition. U. Quintavalle. 2,154,865; Apr. 18.
Malto-Dextrine, Process and apparatus for manufacturing. L. N. Hartog. 2,155,374; Apr. 18.
Manganese alloys, Stabilizing. E. F. Doom. 2,154,607; Apr. 18.
Mantle, Trunk. F. L. Holtzman. 2,154,750; Apr. 18.
Marker. J. W. Vanderveer. 2,154,966; Apr. 18.
Massage device. G. H. Heymann and E. D. Rose. 2,154,846; Apr. 18.
Massaging and cleansing device. L. Y. Booharin. 2,154,831; Apr. 18.
Match packet manufacturing machine and method. P. W. Dietmann. 2,155,118; Apr. 18.
Material, Friction. W. Nanfeldt. 2,155,020; Apr. 18.
Material of vegetable and mineral origin, Treatment of fibrous. L. Frenkel. 2,155,223; Apr. 18.
Materials, Apparatus and method for the separation of dry. D. C. Morgan, Jr., and T. H. Morgan. 2,155,235; Apr. 18.
Materials into cylinders of predetermined length and diameter. Method and apparatus for forming plastic. A. H. Haupt. 2,154,446; Apr. 18.
Materials, Method of and apparatus for separating. F. R. Johnson. 2,154,682; Apr. 18.
Matrix storage system for type making machines. G. C. Coleman and H. Foster. 2,154,728; Apr. 18.
Mattress. I. Magaril. 2,154,910; Apr. 18.
Measuring instrument. C. R. Jenkins. 2,154,621; Apr. 18.
Measuring instrument. E. J. Yarter. 2,155,352; Apr. 18.
Meat, Preserving crab. S. G. Harris. 2,155,308; Apr. 18.
Mechanical movement. G. H. McMullen. 2,154,763; Apr. 18.
Mechanism control. H. J. Edwards. 2,154,929; Apr. 18.
Menstrual appliance. S. J. Wilkerson. 2,155,285; Apr. 18.
Mercury cathode discharge tube. H. Lems. 2,155,138; Apr. 18.
Mercury tube switch. J. H. Staley. 2,155,024; Apr. 18.
Metal bending machine. S. J. Bruno. 2,155,160; Apr. 18.
Metal hydroxides, Producing colloidal. R. S. Bley. 2,154,603; Apr. 18.
Metal surfaces, Hardening of. A. H. Lloyd and H. H. Beeny. 2,154,947; Apr. 18.
Metallic structures, Manufacture of composite. R. M. Kenah. 2,155,274; Apr. 18.
Metals, Reclamation of. L. S. Fleck and A. A. Mansbach. 2,154,673; Apr. 18.
Metalworking machine. F. H. Le Jeune. 2,154,983; Apr. 18.
Meter: *See*—
Rotary meter.
Meter or pump, Adjustable displacement. R. T. Knapp. 2,154,458; Apr. 18.
Microphone, Reflector. E. Gerlach. 2,155,163; Apr. 18.
Milk container. M. Rossi. 2,154,584; Apr. 18.
Mill: *See*—
Tumbling mill.
Mineral classifier machine. C. W. Livingston. 2,155,319; Apr. 18.

Mixture of magnesium oxide and calcium carbonate from dolomite, Obtaining a. W. H. MacIntire. 2,155,139; Apr. 18.
Mold: *See*—
Ingot mold.
Mold clamping mechanism. H. A. Wurster. 2,154,967; Apr. 18.
Mold, Inhibition of. C. Hoffman, G. Dalby, and T. R. Schweitzer. 2,154,449; Apr. 18.
Molds for metal castings, Manufacturing sand. E. F. Oyster and F. T. Spikerman. 2,155,099; Apr. 18.
Motor: *See*—
Synchronous motor.
Spring motor.
Torus cylinder motor.
Motor control mechanism. R. P. Lansing. 2,154,572; Apr. 18.
Motor vehicle. P. K. Beemer. 2,154,558; Apr. 18.
Mower, Gang lawn. F. Dursch. 2,155,182; Apr. 18.
Mower of cutting mechanism, Reciprocating. F. Dursch. 2,155,183; Apr. 18.
Mower, Power driven, manually guided lawn. F. Eisenlohr. 2,154,564; Apr. 18.
N-substituted-2-amino nitro-phenols. E. C. Britton and C. L. Moyle. 2,155,356; Apr. 18.
Nail making machine. J. D. Hernández. 2,155,310; Apr. 18.
Negative holder. R. King and E. T. Boaden. 2,154,510; Apr. 18.
Nozzle. E. W. Crowley. 2,154,731; Apr. 18.
Nozzle for use in the manufacture and production of artificial threads, filaments, and the like. W. H. Stokes. 2,155,338; Apr. 18.
Objects from wells, Apparatus for recovering. A. L. Armentrout and C. H. Phillips. 2,154,654; Apr. 18.
Oil burner. C. E. Goulding, Sr. 2,154,567; Apr. 18.
Oil by using metallic soaps, Refining cracked. M. Mizuta and T. Yoshimura. 2,154,988; Apr. 18.
Oil, Controlling the plasticity of hydrogenated glyceride. L. G. Jenness. 2,154,452; Apr. 18.
Oil filter. K. E. Fife. 2,154,565; Apr. 18.
Oil, Lubricating. B. H. Lincoln. 2,154,628; Apr. 18.
Oil, Method and apparatus for the refining of viscous hydrocarbon. G. R. Bond, Jr. 2,154,434; Apr. 18.
Oiling system. H. E. Brooks. 2,155,005; Apr. 18.
Oils and derivatives, Refining hydrocarbon. E. A. Ocon. 2,154,820; Apr. 18.
Oils and fats, Hydroilzing. G. W. Eisenlohr. 2,154,835; Apr. 18.
Oils, Deasphalting and dewaxing hydrocarbon. M. B. Cooke and E. Petty. 2,154,493; Apr. 18.
Oils, Extracting ethereal. W. R. van Wijk and W. J. D. van Dijck. 2,154,713; Apr. 18.
Oils, Manufacture of polymerized drying. E. W. Fawcett, R. O. Gibson, and M. W. Perrin. 2,155,009; Apr. 18.
Optical comparator. J. Q. Adams and F. A. Benford. 2,155,248; Apr. 18.
Optical device for producing a substantially stationary image of successive similar areas on a running web. A. J. Horton. 2,155,013; Apr. 18.
Optical systems and apparatus, Means for use in the demonstration of. R. K. Black. 2,155,114; Apr. 18.
Orchard heater. M. Fujiura. 2,155,184; Apr. 18.
Organ, Automatically operable. J. Verbeeck. 2,155,158; Apr. 18.
Ornamentation and producing the same, Third dimension. H. R. Harrigan. 2,154,614; Apr. 18.
Otoscope and similar instrument. W. A. Arnesen. 2,154,885; Apr. 18.
Package binding. J. M. McGregor and H. C. Porter. 2,154,762; Apr. 18.
Pad: *See*—
Refrigerating pad.
Padlock. K. A. Brauning. 2,154,660; Apr. 18.
Paint refill ejector. J. C. Perrin and E. E. Disbrow. 2,154,580; Apr. 18.
Paper making machine, Vacuum forming. E. E. Berry. 2,154,719; Apr. 18.
Paper, Manufacture of calcium sulphite filled. F. G. Rawling. 2,154,995–6; Apr. 18.
Parachute pack with a single releasing hook. L. Avorio. 2,155,074; Apr. 18.
Pawl operating mechanism. G. T. Harris. 2,154,568; Apr. 18.
Pear preparation machine. A. R. Thompson. 2,154,789; Apr. 18.
Pectin dispersion. P. B. Myers. 2,155,361; Apr. 18.
Percussion drill. R. R. Sanderson. 2,154,960; Apr. 18.
Percussive tool. W. C. Morris. 2,154,765; Apr. 18.
Perforator, Gun. I. J. McCullough. 2,155,322; Apr. 18.
Periscope. A. B. Harris. 2,155,164; Apr. 18.
Persulphides, Preparation of aracyl. W. Braker. 2,154,488; Apr. 18.
Petroleum byproducts, Improving and purifying. F. E. Frey and P. A. Bury. 2,154,444; Apr. 18.
Petroleum distillates, Refining. C. E. Dolbear. 2,154,424; Apr. 18.
Phonogram and moving same with reference to a stationary needle. J. Ionesco. 2,154,848; Apr. 18.
Photoelectric cell modulator. R. Barthelemy. 2,155,034; April 18.
Photoelectric relay. E. R. Toporeck. 2,154,480; Apr. 18.
Photographic contact printing and copying apparatus. C. E. F. Rutherford. 2,155,149; Apr. 18.
Photographic developing and fixing apparatus. P. A. Sheridan. 2,155,000; Apr. 18.
Photography, Method of and apparatus for color. S. B. Grimson and L. Lipp. 2,154,898; Apr. 18.
Picture apparatus, Motion. R. E. De Kay. 2,154,809; April 18.
Picture reproducer. R. Barthelemy. 2,155,033; Apr. 18.
Piercing and riveting machine. R. A. Skriba. 2,154,824; April 18.
Piezoelectric crystal apparatus. C. A. Bieling. 2,155,035; Pipe fittings, Manufacturing wrought nonferrous. E. S. Cornell, Jr. 2,155,079; Apr. 18.
Pipes from quartz or glass having a high content in silicic acid, Apparatus for drawing. W. Hänlein. 2,155,131; Apr. 18.
Pitch propeller, Variable. P. Horrocks. 2,155,311; Apr. 18.
Plane, Hand belt sanding. A. F. Hill. 2,154,814; Apr. 18.
Plant for hydraulically operating delivery pumps. E. T. Jäderblom. 2,154,904; Apr. 18.
Plastic material, Art of extruding moist. S. C. Lyons. 2,154,949; Apr. 18.
Plastics, Manufacture of decorative. F. R. Conklin. 2,154,438; Apr. 18.
Plastics, Preparing. F. R. Conklin. 2,155,303; Apr. 18.
Plow. H. Chibnik. 2,154,973; Apr. 18.
Plug: *See*—
Expanding pipe plug.
Plug and socket connector, Quick attachable. A. Hauser. 2,154,812; Apr. 18.
Poison, Purified bee. G. Hahn. 2,154,934; Apr. 18.
Polish, Automobile. A. L. Blount and M. T. Flaxman. 2,154,721; Apr. 18.
Polyamines and their use in dyeing with vat and sulphur dyestuffs, Hydroxylated. V. Kartaschoff and J. Link. 2,155,135; Apr. 18.
Polymerization products, Manufacture of. O. Röhom and W. Bauer. 2,154,639; Apr. 18.
Portable display rack. W. H. Jones. 2,154,622; Apr. 18.
Pot, Removable water-cooled slag. H. F. Gibbs. 2,154,980; Apr. 18.
Potato digger. F. H. Bateman and I. Trolley. 2,154,429; Apr. 18.
Power bond. C. A. Forssell. 2,154,674; Apr. 18.
Power driven tool. T. L. Hedgpeth. 2,154,745; Apr. 18.
Power plant. H. Vorkauf. 2,154,481; Apr. 18.
Power transmission. H. Thoma. 2,154,710; Apr. 18.
Power transmission device, Hydraulic. J. Yoxall. 2,154,882; Apr. 18.
Preparation of alpha-alkylaminoacylophenones. J. Kamlet. 2,155,194; Apr. 18.
Press: *See*—
Extrusion press.
Printing press.
Tube sealing press.
Vegetable and fruit press.
Pressure reducing device. G. E. Hulse and J. Rumpf. 2,154,901; Apr. 18.
Pressure relief device. A. von Wangenheim. 2,154,827; April 18.
Primer valve. V. C. Boydston. 2,154,659; Apr. 18.
Primer valve. P. Goss. 2,154,811; Apr. 18.
Printing mechanism. H. S. Labombarde. 2,154,757; Apr. 18.
Printing or marking mechanism, particularly for use in connection with packaging machines. D. R. Anstee. 2,154,884; Apr. 18.
Printing press, Multicolor. T. M. Avery. 2,155,353; Apr. 18.
Printing telegraph apparatus. H. Rassow and W. Skawran. 2,154,528; Apr. 18.
Product for packing and similar purposes. H. W. Romanoff. 2,154,640; Apr. 18.
Protective system. D. C. Hoffmann. 2,155,229; Apr. 18.
Protector: *See*—
Tooth brush protector.
Protein substances, Hardening. H. Fricke and J. Brunken. 2,154,895; Apr. 18.
Pump: *See*—
Fluid operated pump.
Pump liner. W. T. Caldwell. 2,155,180; Apr. 18.
Pumping gear. E. G. Ware. 2,155,108; Apr. 18.
Punch holder. W. R. Fisher. 2,154,738; Apr. 18.
Punch, Post hole. E. Dahl. 2,154,732; Apr. 18.
Pyrimidine series, Compounds of the. W. Braun and K. Koeberle. 2,154,889; Apr. 18.
Rack: *See*—
Portable display rack.
Rack for refrigerator cabinets. C. Steenstrup. 2,155,284; April 18.
Radiator, Portable heat. C. A. Eck. 2,154,976; Apr. 18.
Radio amplifying and receiving system, Short wave. E. L. Brown. 2,154,723; Apr. 18.
Radio dial. W. J. Schnell. 2,155,101; Apr. 18.
Radio program selector. P. R. Prescott. 2,154,994; Apr. 18.
Radio signaling system. N. H. Clough. 2,154,492; Apr. 18.
Radio tuner. W. J. Schnell. 2,154,778; Apr. 18.
Radio tuning apparatus. G. H. Corey. 2,155,304; Apr. 18.
Rail bond. W. P. Bovard. 2,155,217; Apr. 18.
Rail sanding device. B. S. Aikman. 2,155,214; Apr. 18.
Rake and hay stacker, Combination motorized sweep. D. E. and J. E. Van der Berg. 2,154,790; Apr. 18.

Range construction. G. H. Brown. 2,154,724; Apr. 18.
Receptacle: *See*—
Card receptacle.
Record sheet and envelope, Combined manifold. J. J. Endres. 2,154,736; Apr. 18.
Recorder and reproducer. A. P. Bloxsom. 2,154,722; Apr. 18.
Recovering and separating apparatus. H. Boucher. 2,154,805; Apr. 18.
Reducing valve. C. J. Odend'hal. 2,155,170; Apr. 18.
Reflector. M. Kaplowitz. 2,155,092; Apr. 18.
Reflector, Reflex. M. Kaplowitz. 2,155,093; Apr. 18.
Refrigerating apparatus. C. L. Paulus. 2,155,351; Apr. 18.
Refrigerating apparatus. L. A. Philipp. 2,155,059; Apr. 18.
Refrigerating pad. C. E. Hadsell. 2,154,933; Apr. 18.
Refrigerating system. E. Kägi. 2,154,905; Apr. 18.
Refrigeration apparatus. L. C. Smith. 2,154,874; Apr. 18.
Refrigeration system. L. G. Morse and B. B. D'Ewart. 2,155,144; Apr. 18.
Regulator: *See*—
Firing regulator. Fluid flow regulator.
Regulator system for parallel operation of commutator rectifiers. E. Janeschke. 2,155,090; Apr. 18.
Relay system. A. H. Lamb. 2,154,854; Apr. 18.
Remote control system, method, and apparatus. J. L. Bonanno. 2,155,343; Apr. 18.
Resilient driving chain. M. T. Weston. 2,154,648; Apr. 18.
Resin manufacture. L. T. Sutherland. 2,154,541; Apr. 18.
Resin, Producing a. H. R. Moore. 2,154,954; Apr. 18.
Resinous compositions. H. L. Bender. 2,154,969; Apr. 18.
Resistance pack for gravity separators and the like. E. Stump. 2,154,784; Apr. 18.
Respirations, Recording artificial. C. I. Langdon. 2,155,136; Apr. 18.
Retardation control brake. E. E. Hewitt. 2,155,227; Apr. 18.
Retardation controlled brake. E. E. Hewitt and J. N. Good. 2,155,228; Apr. 18.
Reticule, Telescopic gun-sight. B. P. Joyce. 2,154,454; Apr. 18.
Rheostat. A. O. Henton and A. F. Drewett. 2,155,309;
Ring: *See*—
Expander ring.
Rock drill. E. G. Gartin. 2,154,445; Apr. 18.
Rock wool, Manufacture of. W. E. Tyler, P. R. Chamberlain, and R. A. Loveland. 2,155,107; Apr. 18.
Roll clearing. P. Drewsen. 2,155,083; Apr. 18.
Roll material dispenser. A. P. Crotts. 2,154,440; Apr. 18.
Roller and grader, Combined road. E. V. Biles. 2,154,720; Apr. 18.
Roller bit bearing. R. P. Fisher. 2,155,040; Apr. 18.
Roller, Sectional ductor. R. H. Gibb. 2,154,896; Apr. 18.
Roof for vehicle bodies, Opening. J. King. 2,155,275; Apr. 18.
Roof, Furnace. R. P. Heuer. 2,155,165; Apr. 18.
Roof panel device. R. W. Creteur. 2,155,357; Apr. 18.
Roof, Suspended furnace. R. P. Heuer. 2,154,813; Apr.
Root divider, Oral. G. A. Hoskins. 2,154,751; Apr. 18.
Rope fastener. A. L. Fleury. 2,154,610; Apr. 18.
Rosin esters and product thereof, Treating. P. Schnorf. 2,154,704; Apr. 18.
Rotary drilling bit, Fluid operated. J. A. Zublin. 2,154,553; Apr. 18.
Rotary machine. R. T. Knapp. 2,154,456–7; Apr. 18.
Rotary meter. W. H. Marsh and F. S. Brooks. 2,155,321; Apr. 18.
Rubber coated objects and method of production. W. W. De Lamatter. 2,154,834; Apr. 18.
Rubber, Obtainment of artificial. E. Kleiber. 2,154,852; Apr. 18.
Rubber, Reclaiming vulcanized. W. G. Essex. 2,154,894; Apr. 18.
Sadiron construction. H. A. Smith. 2,154,781; Apr. 18.
Safety apparatus for divers. S. P. Sadloski. 2,155,331; Apr. 18.
Safety control switching mechanism for fluid fuel burners. I. E. McCabe. 2,154,761; Apr. 18.
Safety control system. C. B. Sweatt. 2,154,644; Apr. 18.
Safety device, Bus seat. M. B. Sullivan. 2,154,540; Apr. 18.
Safety device for liquid fuel burners. W. R. Hainsworth. 2,155,188; Apr. 18.
Safety device for projectile fuses. L. Scelzo. 2,155,100; Apr. 18.
Salts, Preparing alkali. A. E. A. S. Cornelius. 2,154,439; Apr. 18.
Saw, Composing room. F. W. Seybold. 2,154,999; Apr. 18.
Saw handle. J. N. Alexander. 2,155,110; Apr. 18.
Saw set device. E. Martin. 2,154,987; Apr. 18.
Scale, Computing. W. C. Berrien. 2,154,804; Apr. 18.
Scanning device. H. M. Biele. 2,155,113; Apr. 18.
Scraper. H. C. French and H. C. Frentzel, Jr. 2,154,503; Apr. 18.
Screen cloth and making the same. S. D. Robins. 2,154,530; Apr. 18.
Screen for the projection of images in relief. A. H. J. D. Saint Genies. 2,154,868; Apr. 18.
Seal. A. J. Meier. 2,154,632; Apr. 18.
Seat and cover, Toilet. B. Winding. 2,155,286; Apr. 18.
Seat-back base, Reversible. A. B. Bell. 2,154,600; Apr. 18.
Seat mat package, Toilet. A. M. Seraphin. 2,155,102; Apr. 18.
Seeds by froth flotation, Separation of. T. Earle. 2,155,219; Apr. 18.
Seismic surveying. B. B. Weatherby. 2,154,548; Apr. 18.
Self-locking securing device. J. H. Van Uum. 2,154,712; Apr. 18.
Separator: *See*—
Cream separator.
Sewer rod power. H. R. Crane. 2,154,666; Apr. 18.
Sewing machines, Hemstitching attachment for. G. L. Hinman. 2,154,680; Apr. 18.
Sewing machines, Trimming mechanism for. F. M. Card. 2,155,301; Apr. 18.
Shade, Window. S. J. Johnson. 2,155,376; Apr. 18.
Sharpener, Blade. G. Hammond. 2,154,744; Apr. 18.
Sheet feeder. F. R. Belluche. 2,154,485; Apr. 18.
Shield, Toe. D. H. Bucks. 2,154,662; Apr. 18.
Shield, Welding hood. W. O. Rienacker and A. L. Perrigo. 2,154,774; Apr. 18.
Shirt. S. Kool. 2,154,684; Apr. 18.
Shock absorbing device. N. S. Stern. 2,154,586; Apr. 18
Shoe bag. E. Sebastian. 2,154,536; Apr. 18.
Shoe calk. L. W. Nitkey. 2,154,913; Apr. 18.
Shoe stiffener. W. Howard. 2,154,571; Apr. 18.
Shoes, Method and apparatus for operating on. B. Jorgensen. 2,154,453; Apr. 18.
Shoetree, Ventilated. P. S. Jones. 2,155,015; Apr. 18.
Shovel, chute, and crowder attachment for dredging purposes, Dipper. J. D. Smith and S. K. Atkinson. 2,155,153; Apr. 18.
Shutter and awning, Combination. J. G. Cox. 2,155,116; Apr. 18.
Shuttle for circular looms. F. C. Hale and F. S. Hardy. 2,154,900; Apr. 18.
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Signal device. W. J. Wolf. 2,155,342; Apr. 18.
Signaling. J. B. Johnson. 2,155,192; Apr. 18.
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Signaling device, Railway. R. A. Tuot. 2,154,877; Apr. 18.
Signaling system. D. Mitchell. 2,155,056; Apr. 18.
Signaling system. E. Vroom. 2,154,921; Apr. 18.
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Signaling system, Electrical. P. F. Gunning. 2,154,742; Apr. 18.
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Silk, Manufacture of artificial. A. J. L. Moritz. 2,155,324; Apr. 18.
Silk packages, Treatment of artificial. D. Houtzaager. 2,155,312; Apr. 18.
Skirt length cutting device. A. J. Rubin. 2,155,241; Apr. 18.
Skiving machine. N. V. Dyer. 2,154,563; Apr. 18.
Slab, Precast building. D. J. Hurley. 2,154,619; Apr. 18.
Slack adjuster. H. K. Harwick and H. I. Tramblie. 2,155,012; Apr. 18.
Slidable fastener. H. London. 2,154,687; Apr. 18.
Slide, Stereopticon. S. Dashkin. 2,154,890; Apr. 18.
Slip cover for paper bodied containers. W. L. Rutkowski. 2,155,022; Apr. 18.
Sliver balling machine and yarn and the like winding machines. G. S. Fraser. 2,155,041; Apr. 18.
Socket, Lamp. F. C. De Reamer. 2,155,240; Apr. 18.
Sodium hydrosulphide, Manufacture of. J. Schneider. 2,154,917; Apr. 18.
Soldering agent. W. Hagemann. 2,155,307; Apr. 18.
Sole and heel combination and shoe containing the same, Rubber. C. D. Garbutt. 2,154,612; Apr. 18.
Solids, Classifying and separating suspended. T. L. Shepherd. 2,154,779; Apr. 18.
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Speed control for outboard motor boats. H. F. Anderson. 2,155,112; Apr. 18.
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Speed transmission mechanism, Variable. W. E. Lawrence. 2,154,460; Apr. 18.
Spinning machine, Mule. F. F. Schubert and R. A. Schütze. 2,154,961; Apr. 18.
Spooling or reeling mechanism. H. Zarafu. 2,155,211; Apr. 18.
Spout attachment for bottles and other containers. M. J. Isaacson. 2,155,049; Apr. 18.
Spring. A. Ziska. 2,155,073; Apr. 18.
Spring motor. J. W. Richardson. 2,154,699; Apr. 18.
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Stamping machine for linen or the like, Self-inking. H. P. Pallesen. 2,154,578; Apr. 18.

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Stand for holding match packages. K. Landauer. 2,155,096; Apr. 18.
Staples, Forming pin ticket. A. K. Marsh. 2,155,168; Apr. 18.
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Star-disk roller blt. J. A. Zublin. 2,154,554; Apr. 18.
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Steering apparatus. G. J. Mannfolk. 2,155,055; Apr. 18.
Step construction. A. Henderson. 2,154,937; Apr. 18.
Stockings, Producing full-fashioned. E. J. Berger. 2,154,602; Apr. 18.
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Stove. J. E. Chambers. 2,154,491; Apr. 18.
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Suction mounting. F. A. Wayne. 2,155,341; Apr. 18.
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Thermal fluid mixing valve. E. R. Snavely. 2,155,154; Apr. 18.
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Thread production, Artificial. S. O. Fiedler. 2,154,609; Apr. 18.
Threading machine for insulator blanks. K. H. Weber. 2,154,793; Apr. 18.
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3-alkoxy-4-hydroxy-benzaldehyde, Manufacture of a. C. N. Geneff. 2,154,979; Apr. 18.
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Toe spring correction attachment for last lathes. G. Clausing. 2,154,726; Apr. 18.
Tongs, Pick-up. O. T. Rankin. 2,155,365; Apr. 18.
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Tool retainer for portable power driven tools. O. P. Wodack and H. M. Zschan. 2,154,651; Apr. 18.
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Tooth brush, Round pointed. I. Sekine. 2,155,245; Apr. 18.
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Torque in yarn, Apparatus for measuring. J. G. McNally. 2,154,631; Apr. 18.
Torus cylinder motor, Rotary. C. Bancroft. 2,155,249; Apr. 18.
Tower, All metal automatic cooling. W. J. Stolzer. 2,154,587; Apr. 18.
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Trail finder. M. F. Ziehm. 2,154,714; Apr. 18.
Trailer. H. Goeddertz. 2,154,810; Apr. 18.
Trailer. H. A. Munger. 2,154,467; Apr. 18.
Transmission, Automatic planetary automotive. F. W. Cotterman. 2,154,419; Apr. 18.
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Treating fibrous material. E. F. King. 2,154,943; Apr. 18.
Trimming and finishing tool, Shoe sole and heel edge. F. Bruni. 2,154,971; Apr. 18.
Trimming machine. W. P. Abell. 2,154,425; Apr. 18.
Trolley head. E. C. Ryan. 2,155,242; Apr. 18.
Truck. M. R. Franklin. 2,154,839; Apr. 18.
Truing device for grinding wheels. H. Hofer. 2,154,938; Apr. 18.
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Tube for pneumatic tires, Inner. H. M. Thiele. 2,155,105; Apr. 18.
Tube making machine. C. Maier. 2,154,953; Apr. 18.
Tube sealing press. C. J. Westin. 2,155,029; Apr. 18.
Tubes, Closing collapsible. C. J. Westin. 2,155,028; Apr. 18.
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Tumbling mill. O. E. Zahn. 2,154,883; Apr. 18.
Turntable center. R. W. Young, Jr. 2,154,799; Apr. 18.
Two-cycle engine. L. Dufour. 2,154,975; Apr. 18.
Umbrella holder. H. J. Mott. 2,154,634; Apr. 18.
Unit building construction. H. M. Grant. 2,154,897; Apr. 18.
Unit ventilator. J. T. Midyette. 2,154,523; Apr. 18.
Vacuum cleaner. W. C. Reed. 2,154,773; Apr. 18.
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Valve. J. F. Kyes. 2,154,945; Apr. 18.
Valve. E. Twigg. 2,154,880; Apr. 18.
Valve and cooling means therefor. R. C. Schlorf. 2,154,871; Apr. 18.
Valve and internal combustion engine construction and lubrication, Rotary. A. D. Snyder. 2,154,782; Apr. 18.
Valve for controlling the flow of liquids to bottles and other receptacles. F. Rodgers. 2,154,583; Apr. 18.
Valve for gas-fired fluid heaters, Control. H. J. Long. 2,154,518; Apr. 18.
Valve mechanism. P. C. Temple. 2,154,964; Apr. 18.
Valve mechanism for rock drills. E. F. Terry. 2,154,788; Apr. 18.
Valve operating mechanism, Engine. R. K. Lee. 2,154,573; Apr. 18.
Valve tappet and adjusting screw assembly. W. D. Corlett. 2,154,494; Apr. 18.
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Vegetable and fruit press. W. Wishinsky. 2,154,649; Apr. 18.

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Vehicle wheel brake. R. Fike. 2,154,836; Apr. 18.
Velocipede construction. A. de Sakhnoffsky. 2,154,472; Apr. 18.
Vending machine. P. H. French. 2,154,443; Apr. 18.
Ventilating system, Crankcase. G. Way. 2,154,593; Apr. 18.
Ventilation system, Body bolster construction and motor. E. H. Piron. 2,154,771; Apr. 18.
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Vibrator heater. L. J. Andres. 2,154,428; Apr. 18.
Voltage booster, Direct current. L. W. Parker. 2,155,362; Apr. 18.
Voltage limiter, Peak. W. H. T. Holden. 2,155,230; Apr. 18.
Wall paper pasting machine. J. R. Steren and W. F. Kramer. 2,154,643; Apr. 18.
Wall, Railway car end. G. G. Gilpin. 2,155,265; Apr. 18.
Wardrobe handbag, Convertible. H. B. Marbury and R. C. Jones. 2,154,630; Apr. 18.
Washing apparatus. J. H. Clark. 2,155,254; Apr. 18.
Washing apparatus. B. W. Jones. 2,155,271; Apr. 18.
Washing apparatus. B. W. Jones. 2,155,273; Apr. 18.
Water divider. F. M. Heath. 2,154,982; Apr. 18.
Water heating device, Hot. A. B. Trencavel. 2,154,646; Apr. 18.
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Wave translation system. H. S. Black. 2,154,888; Apr. 18.
Wax and cellulose ester compositions. S. Quisling. 2,154,822; Apr. 18.
Wear-resisting bodies, Producing composite. T. G. Beament. 2,155,215; Apr. 18.
Welding machine. P. M. Hall. 2,154,935; Apr. 18.
Well casing control valve. R. W. Mueller and G. F. Carle. 2,154,955; Apr. 18.
Well graveling and developing assembly and method. L. A. Layne. 2,154,461; Apr. 18.
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Wheel for cash registers and the like, Indicator. T. O. R. Dahlberg. 2,154,495; Apr. 18.
Wheel suspension, Vehicle. H. A. Hicks. 2,154,569; Apr. 18.
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Whipping and display container, Combination. E. R. Stivers. 2,154,538; Apr. 18.
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Wire laying machine. J. H. Gray and R. J. Kent. 2,155,044; Apr. 18.
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X-ray tube stand. A. C. Nelson. 2,154,524; Apr. 18.
Yarn. A. Zenorini. 2,155,213; Apr. 18.

CLASSIFICATION OF PATENTS

ISSUED APRIL 18, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

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Allied Construction Co., Inc., Newark, N. J. Metal tile, metal partitions. Serial No. 415,098; Apr. 25. Class 12.

American Association of Port Authorities, The, New Orleans, La. Publication. Serial No. 416,009; Apr. 25. Class 38.

American Efficiency Bureau. (See Bennett, Charles.)

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Colorado Potato Growers Exchange, Denver, Colo. Potatoes. Serial No. 416,455; Apr. 25. Class 46.

Colton Chemical Corporation, Orange, N. J. Preparation for treatment of dermatomycoses. Serial No. 414,556; Apr. 25. Class 6.

Columbia Mills, Inc., The, New York, N. Y. Mounted shades, window shades, and shade rollers. Serial No. 416,999; Apr. 25. Class 32.

Columbia Protektosite Co., Inc., Carlstadt, N. J. Sun glasses. Serial No. 416,135; Apr. 25. Class 26.

Columbia Shirt Co., Inc., New York, N. Y. Ladies' and men's pajamas and men's outer shirts. Serial No. 415,703; Apr. 25. Class 39.

Columbian Steel Tank Company, Kansas City, Mo. Sheet metal tanks and bins, steel barrels, etc. Serial No. 405,383; Apr. 25. Class 2.

Comerford, Kay, doing business as Comford Eye-Lets Co., Richmond Hill, N. Y. Device impregnated with lotion to be applied to the eyes. Serial No. 416,401; Apr. 25. Class 6.

Comfo-Nille Co. (See Maish, Clifford W.)

Comford Eye-Lets Co. (See Comerford, Kay.)

Con-Ferro Paint & Varnish Company, doing business as Evn-Cote Paint Co., St. Louis, Mo. Varnish stains and paint enamels. Serial No. 412,498; Apr. 25. Class 16.

Congoleum-Nairn Inc., Kearny, N. J. Linoleum, linoleum tile, cork carpet, etc. Serial No. 415,938; Apr. 25. Class 20.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic blanks and lenses. Serial No. 416,403; Apr. 25. Class 26.

Corn, Ralph, Underwear, Inc., New York, N. Y. Slips, nightgowns, panties, etc. Serial No. 416,437; Apr. 25. Class 39.

Cotton Products Company, Inc., doing business as Opelousas Oil Refinery and also as Opelousas Oil Mill, Opelousas, La. Cottonseed salad oil, cookery oil, and shortening. Serial No. 414,862; Apr. 25. Class 46.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 416,315; Apr. 25. Class 6.

Cress, Howard G., doing business as C. F. P. Laboratories, Monticello, Ga. Powder used in the treatment of athlete's foot or eczema of the feet or skin. Serial No. 414,914; Apr. 25. Class 6.

Deerwester, Harry J., Sr., doing business as No-Mek Pen Co., Chicago, Ill. Pens. Serial No. 416,048; Apr. 25. Class 37.

Del-Jay Laboratory, Chicago, Ill. Liniment. Serial No. 416,447; Apr. 25. Class 6.

Dent-A-Firm Laboratories, Inc., Chicago, Ill. Cleaner for dental plates. Serial No. 415,583; Apr. 25. Class 4.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Manifold paper. Serial No. 416,318; Apr. 25. Class 37.

Dextro Products, Inc., Terre Haute, Ind. Dextrinized cereal grains. Serial No. 408,943; Apr. 25. Class 46.

Diesel Engines, Inc., New York, N. Y. Magazine. Serial No. 416,406; Apr. 25. Class 38.

Diversey Corporation, The, Chicago, Ill. Cleanser. Serial Nos. 416,550–2; Apr. 25. Class 4.

Dobeckmun Company, The, Cleveland, Ohio. Bags and merchandise envelopes. Serial No. 412,332; Apr. 25. Class 2.

Doniger, David D., & Co., New York, N. Y. Bathing trunks and suits. Serial No. 416,137; Apr. 25. Class 39.

Drink-Mor Beverage Company. (See Rothstein, Matthias.)

Duncan, John A., doing business as Jad's Service, Cleveland, Ohio. News feature or column. Serial No. 413,471; Apr. 25. Class 38.

Dunk Donut Co., The, Cleveland, Ohio. Crullers, doughnuts, and fried cakes. Serial No. 415,328; Apr. 25. Class 46.

Dunrite Trouser Company, New York, N. Y. Trousers, knickers, lumber jackets, etc. Serial No. 412,888; Apr. 25. Class 39.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Thread and yarn. Serial No. 416,228; Apr. 25. Class 43.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Brushes. Serial No. 416,231; Apr. 25. Class 29.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Clocks. Serial No. 416,232; Apr. 25. Class 27.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, nightgowns, etc. Serial No. 414,728; Apr. 25. Class 39.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric bicycle lights. Serial No. 414,692; Apr. 25. Class 21.

Eaton Manufacturing Company, Cleveland, Ohio. Insulated container. Serial No. 415,329; Apr. 25. Class 2.

Eaton Paper Corporation, Pittsfield, Mass. Typewriter paper. Serial Nos. 416,051–3; Apr. 25. Class 37.

Ecclestone Chemical Company, Inc., Detroit, Mich. Souring agents. Serial Nos. 414,258–60; Apr. 25. Class 6.

Eclipse Counterbore Company, Detroit, Mich. Metal boring machine tools. Serial No. 413,577; Apr. 25. Class 23.

Eclipse Counterbore Company, Detroit, Mich. Metal boring machine tools. Serial No. 413,704; Apr. 25. Class 23.

Edwood Company, The. (See Haselwood, Willis E.)

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 415,883; Apr. 25. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Coffee. Serial No. 416,094; Apr. 25. Class 46.

Emfo Corporation, The, New York, N. Y. Perfume dispensers. Serial No. 416,095; Apr. 25. Class 2.

Endo Products, Inc. Preparation used to supply vitamin B_1 through injections. Serial No. 407,585; Apr. 25. Class 6.

Engineering and Research Corporation, Riverdale, Md. Machinery. Serial No. 415,445; Apr. 25. Class 23.

Ernst, H., & Cie, Aarwangen, Switzerland. Woolen yarns. Serial No. 416,252; Apr. 25. Class 43.

Esterbook Steel Pen Manufacturing Company, The, Camden, N. J. Pens, pen holders, mechanical pencils, etc Serial No. 416,184; Apr. 25. Class 37.

Everhard, Clay, doing business as Citraland Farms, Pharr, Tex. Fresh citrus fruits. Serial No. 415,214; Apr. 25. Class 46.
Everson Manufacturing Company, Chicago, Ill. Chlorine and/or ammonia metering, feeding, and absorbing apparatus. Serial No. 414,627; Apr. 25. Class 23.
Evn-Cote Paint Co. (See Con-Ferro Paint & Varnish Company.)
Farrell Publishing Corporation, New York, N. Y. Periodical. Serial No. 412,293; Apr. 25. Class 38.
Fennessy, John J., Scarsdale, N. Y. Game. Serial No. 412,411; Apr. 25. Class 22.
Filtermass Manufacturing Co., Inc., Long Island City, N. Y. Filter material. Serial No. 417,167; Apr. 25. Class 31.
Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and chemicals. Serial No. 417,053; Apr. 25. Class 6.
Foote & Jenks, Inc., Jackson, Mich. Beverage, and sirup and extract for making the same. Serial No. 415,544; Apr. 25. Class 45.
Foote & Jenks, Inc., Jackson, Mich. Beverage, and sirup and extract for making the same. Serial Nos. 415,546–8; Apr. 25. Class 45.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 414,146; Apr. 25. Class 42.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 416,687; Apr. 25. Class 42.
Frank & Meyer Neckwear Company, St. Louis, Mo. Neckties. Serial No. 415,770; Apr. 25. Class 39.
Gale-Rosenbaum Company, St. Louis, Mo. Wearing apparel. Serial No. 414,524; Apr. 25. Class 39.
Gargalo, João da Cruz, doing business as João C. Gargalo, Setubal, Portugal. Preserved fish. Serial No. 413,857; Apr. 25. Class 46.
General Motors Corporation, Detroit, Mich. Bicycle speedometers. Serial No. 416,373; Apr. 25. Class 26.
Giolitti, A., Sanger, Calif. Fresh grapes. Serial No. 414,874; Apr. 25. Class 46.
Glidden Company, The, Cleveland, Ohio. Isolated vegetable protein. Serial No. 405,497; Apr. 25. Class 1.
Goff, Le Roy, 2d, Ardmore, Pa. Canned food for dogs and cats. Serial No. 415,550; Apr. 25. Class 46.
Goldberg, Squire, Lesser & Cohen, Inc., New York, N. Y. Neckties. Serial No. 416,063; Apr. 25. Class 39.
Goldwaters Mercantile Co., Phoenix, Ariz. Dresses. Serial No. 413,631; Apr. 25. Class 39.
Goodimate Company, The, Philadelphia, Pa. Misses', juniors', and ladies' wearing apparel. Serial No. 412,635; Apr. 25. Class 39.
Goodyear Footwear Corporation, Providence, R. I. Footwear. Serial No. 416,509; Apr. 25. Class 39.
Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 399,962; Apr. 25. Class 1.
Greensburg Garment Company, Inc., Greensburg, Pa. Dresses. Serial No. 412,887; Apr. 25. Class 39.
Grandpa Brands Company, Cincinnati, Ohio. Maltless beverages and for the concentrates thereof. Serial No. 416,632; Apr. 25. Class 45.
Greaves, Joe, Townsend, Mont. Whole-wheat cereal. Serial No. 414,029; Apr. 25. Class 46.
Greenbelt Distributors. (See Try-Me Bottling Company.)
Gregory, Carey G., doing business as Gregory Fount-O-Ink Company, Los Angeles, Calif. Ink stands and writing desk sets. Serial No. 416,462; Apr. 25. Class 37.
Gum Incorporated. Chewing gum. Serial No. 415,551; Apr. 25. Class 46.
Hamilton, Jane W., Chicago, Ill. Preserved cucumbers. Serial No. 416,463; Apr. 25. Class 46.
Hamilton Watch Company, Lancaster, Pa. Timing machines, speedometers, tachometers, etc. Serial No. 412,255; Apr. 25. Class 26.
Hamman Exploration Company, Houston, Tex. Gasoline, oil and greases. Serial No. 415,948; Apr. 25. Class 15.
Haselwood, Willis E., doing business as The Edwood Company, Elkhart, Ind. Fishing lures. Serial No. 417,280; Apr. 25. Class 22.
Hercules Powder Company, Wilmington, Del. Soaps and soluble pine oils. Serial No. 412,141; Apr. 25. Class 4.
Hickok Oil Corporation, Toledo, Ohio. Solvent preparations. Serial No. 414,263; Apr. 25. Class 6.
Hodges Carpet Company, Indian Orchard, Mass. Woven fabrics. Serial No. 416,419; Apr. 25. Class 42.
Hoffman-Goodman Manufacturing Co., Inc., New York, N. Y. Finger rings. Serial No. 410,137; Apr. 25. Class 28.
Hückel's, J., Söhne, Novy Jicin, Czechoslovakia. Hats, caps, bonnets, etc. Serial No. 405,257; Apr. 25. Class 39.
Huskey, O. B., doing business as Ignition-Ite Products Co., Los Angeles, Calif. Liquid coating for protecting electrical ignition wires, spark-plugs, etc. Serial No. 414,496; Apr. 25. Class 21.
Hyman Bros., Philadelphia, Pa. Aprons, bathing suits, bathrobes, etc. Serial No. 403,872; Apr. 25. Class 39.
Ignition-Ite Products Co. (See Huskey, O. B.)
India Paint & Lacquer Co., doing business as India Lacquer Co., Los Angeles, Calif. Paints, paint enamels, shellac, etc. Serial No. 412,143; Apr. 25. Class 16.
Industrial Rayon Corporation, Cleveland, Ohio. Rayon yarn. Serial No. 409,573; Apr. 25. Class 43.
Insulite Company, The, Minneapolis, Minn. Fiber composition board blocks. Serial No. 414,320; Apr. 25. Class 12.
Insulite Company, The, Minneapolis, Minn. Coated fiber board. Serial No. 414,809; Apr. 25. Class 12.
Insulite Company, The, Minneapolis, Minn. Sound absorbing board and blocks, asbestos siding, etc. Serial No. 415,392; Apr. 25. Class 12.
Ivers-Lee Company, Newark, N. J. Transparent sheet material. Serial No. 416,190; Apr. 25. Class 50.
Jad's Service. (See Duncan, John A.)
Johnson, Jay, Evanston, Ill. Tails for artificial flies. Serial No. 416,784; Apr. 25. Class 22.
Junge Baking Company, Joplin, Mo. Soda crackers. Serial No. 416,567; Apr. 25. Class 46.
Kapp, Gene, New York, N. Y. Pipes, cigar holders, and cigarette holders. Serial Nos. 416,425–6; Apr. 25. Class 8.
Karsten & Sons, Chicago, Ill. Eggs and dressed poultry. Serial No. 411,997; Apr. 25. Class 46.
Katz Underwear Co., Honesdale, Pa. Pajamas and nightgowns. Serial No. 416,377; Apr. 25. Class 39.
Keasbey & Mattison Company, Ambler, Pa. Asbestos thread, yarn, and flat thread tapes. Serial No. 412,909; Apr. 25. Class 43.
Kelley-Clarke Co., Seattle, Wash. Canned fish. Serial No. 416,068; Apr. 25. Class 46.
Knapp-Monarch Company, St. Louis, Mo. Electric curling irons, food mixers, corn poppers, etc. Serial No. 411,697; Apr. 25. Class 21.
Knowles, Edwin M., China Company, The, East Liverpool, Ohio, and Newell, W. Va. Ceramic dinnerware. Serial No. 416,293; Apr. 25. Class 30.
Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. Serial No. 416,691; Apr. 25. Class 49.
Kraut, Isadore B., doing business as Mt. Clemens Products Co., New York, N. Y. Mineral water, maltless beverages, and sirups and extracts. Serial No. 416,610; Apr. 25. Class 45.
Kuttner-De Costa & Co., Philadelphia, Pa. Blouses, dresses, and suits. Serial No. 414,154; Apr. 25. Class 39.
Lansburgh & Bro., Washington, D. C. Nurses' uniforms. Serial No. 416,104; Apr. 25. Class 39.
Lasher, Phil H., doing business as Western Movie Supply Co., San Francisco, Calif. Photographic apparatus and supplies. Serial No. 401,800; Apr. 25. Class 26.
Laucks, I. F., Inc., Seattle, Wash. Glues. Serial No. 416,193; Apr. 25. Class 5.
Le Cliff Distributing Co., Cedar Lake, Ind. Shoe creams, dressing, and polishes. Serial No. 415,517; Apr. 25. Class 4.
Leghorn Trading Co. Inc., New York, N. Y. Olive oil. Serial No. 416,380; Apr. 25. Class 46.
Leigh, Ethel T., doing business as Ethel Leigh Studio, New York, N. Y. Artistic drawings for textile designs. Serial No. 416,194; Apr. 25. Class 38.
Load Log Company. (See O'Brien, Byron H.)
Long, W. E., Co., The, Chicago, Ill. Bread. Serial No. 415,403; Apr. 25. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and malt powder for flavoring frozen confections, ice cream, etc. Serial Nos. 414,957–8; Apr. 25. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections and syrups. Serial No. 415,722; Apr. 25. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Chocolate and butter-scotch coatings, frozen confections, etc. Serial No. 415,724; Apr. 25. Class 46.
Mack, Herbert H., doing business as The Mosby-Mack Equipment Company, Topeka, Kans. Turntables. Serial No. 414,457; Apr. 25. Class 23.
Macy, R. H., & Co., Inc., New York, N. Y. Children's sweaters, dresses, outer shorts, etc. Serial No. 415,298; Apr. 25. Class 39.
Maiden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. Serial No. 413,348; Apr. 25. Class 39.
Maish, Clifford W., doing business as Comfo-Nilie Co., Cincinnati, Ohio. Article of bedding. Serial No. 413,022; Apr. 25. Class 42.
Maple Grove, Inc., St. Johnsbury, Vt. Maple sugar candies. Serial No. 415,006; Apr. 25. Class 46.
Marshall, Henry C., doing business as Bama Pie Company, Dallas, Tex. Fried pies. Serial No. 410,655; Apr. 25. Class 46.
Mayer, Hattie S., New York, N. Y. Protective rubber covers for sanitary napkins. Serial No. 415,788; Apr. 25. Class 44.
McLaurin-Jones Co., Brookfield, Mass. Gummed paper and gummed paper tape. Serial No. 408,322; Apr. 25. Class 37.
Merlier, M., Inc., New York, N. Y. Gloves. Serial Nos. 416,330–1; Apr. 25. Class 39.
Meyer, Ronald, doing business as Ronald Meyer Popcorn Company, Carnarvon, Iowa. Yellow popcorn in its natural state. Serial No. 416,294; Apr. 25. Class 46.
Milhander, Jacob, Los Angeles, Calif. Vapor cure vulcanizing steam chamber and tire building machine. Serial No. 412,980; Apr. 25. Class 23.

Millinery Merchandising Executives Association, Inc., New York, N. Y. Ladies' hats. Serial No. 415,956; Apr. 25. Class 39.
Morel, Adele, New York, N. Y. Face and dusting powder, toilet water, etc. Serial Nos. 416,695–6; Apr. 25. Class 6.
Mosby-Mack Equipment Company, The. (See Mack, Herbert H.)
Mt. Clemens Products Co. (See Kraut, Isadore B.)
Muffet, Mary, Inc., St. Louis, Mo. Piece goods. Serial No. 416,434; Apr. 25. Class 42.
NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial Nos. 416,201–2; Apr. 25. Class 38.
N. V. Hollandsche Draad-en Kabelfabriek, Amsterdam, Netherlands. Electric cables, wires, and cords; etc. Serial No. 414,304; Apr. 25. Class 21.
N & W Manufacturing Corporation, The, Dunellen, N. J. Chemically treated polishing pads. Serial No. 415,733; Apr. 25. Class 4.
National Brief Case Mfg. Co., Chicago, Ill. Portable cases. Serial No. 415,256; Apr. 25. Class 3.
National Carbide Corporation, New York, N. Y. Calcium carbide. Serial No. 404,226; Apr. 25. Class 6.
National Engineering Products, Inc., Washington, D. C. Joint sealing compound. Serial No. 415,908; Apr. 25. Class 12.
No-Mek Pen Co. (See Deerwester, Harry J., Sr.)
O'Brien, Byron H., doing business as Load Log Company, West Springfield, Mass. Record sheets. Serial No. 416,110; Apr. 25. Class 37.
Okell, James H., doing business as Okell Rotary Rig Company, Los Angeles, Calif. Well drilling machinery and equipments and their parts. Serial No. 414,079; Apr. 25. Class 23.
Olenik, Irwin, New York, N. Y. Lapel buttons, badges, medallions, etc. Serial No. 416,203; Apr. 25. Class 50.
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated flatware and cutlery. Serial No. 416,579; Apr. 25. Class 28.
Opelousas Oil Refinery. (See Cotton Products Company, Inc.)
Orbis Products Corporation, New York, N. Y. Olive oil and oil of peppermint for medicinal purposes. Serial No. 416,382; Apr. 25. Class 6.
Organite Company, The, Detroit, Mich. Water and brine treating composition for rust and scale prevention and removal, and water softening. Serial No. 410,337; Apr. 25. Class 6.
Palay, S. T., Textile Corporation, New York, N. Y. Corduroy. Serial No. 410,437; Apr. 25. Class 42.
Palmer Corporation, The, Chicago, Ill. Fresh oranges and grapefruit. Serial No. 416,204; Apr. 25. Class 46.
Patterson, Eleanor M., doing business as Times-Herald, Washington, D. C. Newspaper. Serial No. 416,158; Apr. 25. Class 38.
Peck, Stow & Wilcox Company, The, Southington, Conn. Axes, hatchets, draw knives, etc. Serial No. 396,004; Apr. 25. Class 23.
Pennsylvania Manufacturing Company. (See Politz, Percy.)
Pequot Wire Cloth Co. Inc., South Norwalk, Conn. Wire cloth. Serial No. 413,957; Apr. 25. Class 13.
Perfect Brassiere Co. Inc., Jersey City, N. J. Brassières. Serial No. 413,361; Apr. 25. Class 39.
Peroxide Chemical Co., The, doing business as Western Peroxide Co., St. Louis, Mo. Mouth wash. Serial No. 416,335; Apr. 25. Class 6.
Politz, Percy, doing business as Pennsylvania Manufacturing Company, Washington, D. C. Venetian blinds. Serial No. 416,700; Apr. 25. Class 32.
Portland Company, The, Portland, Maine. Apparatus for use in cleaning or otherwise treating surfaces of containers, drums, barrels, and the like. Serial No. 413,683; Apr. 25. Class 23.
Praechti, George J., Pine Hill, Buffalo, N. Y. Hand soap cleaner, metal polish, silver polish, etc. Serial No. 415,566; Apr. 25. Class 4.
Pycope Incorporated, Jersey City, N. J. Tooth powder. Serial No. 414,507; Apr. 25. Class 6.
Radix Sociedad de Responsibilidad, Limitada, Buenos Aires, Argentina. Plant growing compounds. Serial No. 412,152; Apr. 25. Class 10.
Rhythm Hosiery Company. (See Wolf, Jacob.)
Rosenberg Bros. (See Bear Creek Orchards.)
Rothstein, Matthias, doing business as Drink-Mor Beverage Company, Wilkes-Barre, Pa. Maltless beverage and sirup and extract for making same. Serial No. 416,617; Apr. 25. Class 45.
Sage, Peggy, Inc., New York, N. Y. Nail polish. Serial Nos. 416,702–3; Apr. 25. Class 6.
Sagner, A., & Sons, Inc., Baltimore, Md. Coats and suits. Serial No. 415,668; Apr. 25. Class 39.
Salem Chemical & Supply Co., Salem, Mass. Glass cleaner. Serial No. 415,353; Apr. 25. Class 4.
Salem Chemical & Supply Co., Salem, Mass. Disinfectants, germicides, ammonia, etc. Serial No. 415,354; Apr. 25. Class 6.
Sales Research, Incorporated, Cleveland, Ohio. Books of blank forms. Serial No. 414,535; Apr. 25. Class 37.
Salfair, Inc., New York, N. Y. Ladies' hats. Serial No. 416,388; Apr. 25. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Chemises, princess slips, step-ins, etc. Serial No. 415,798; Apr. 25. Class 39.
Schwab, Armand, & Co., Inc., New York, N. Y. Hat braid. Serial No. 414,979; Apr. 25. Class 40.
Schwab, S. M., Jr., & Co., New York, N. Y. Cotton piece goods. Serial No. 413,647; Apr. 25. Class 42.
Schwarz, Louis F., doing business as South Jersey Photo Laboratories, Oaklyn, N. J. Electric switches. Serial No. 413,147; Apr. 25. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Dresses, play suits, and slacks. Serial No. 416,482; Apr. 25. Class 39.
Seisi Company, Inc., New York, N. Y. Opera glasses. Serial No. 416,342; Apr. 25. Class 26.
Semon Bache & Company, New York, N. Y. Colored glass tiles. Serial No. 403,094; Apr. 25. Class 12.
Shott Manufacturing Company, The, Cincinnati, Ohio. Gliding furniture. Serial No. 414,085; Apr. 25. Class 32.
Signal Engineering & Mfg. Co., New York, N. Y. Electric signalling apparatus. Serial No. 403,564; Apr. 25. Class 21.
Smit, J. K., & Sons, Inc., New York, N. Y. Diamond dressing tools. Serial No. 415,487; Apr. 25. Class 23.
Smith, Francis C., Allen, Okla. Souvenir post cards. Serial No. 415,864; Apr. 25. Class 38.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal agent. Serial Nos. 414,374–5; Apr. 25. Class 6.
South Jersey Photo Laboratories. (See Schwarz, Louis F.)
Speare Glove Company, Gloversville, N. Y. Gloves. Serial No. 415,419; Apr. 25. Class 39.
Staten Island Home Utilities, Inc., Port Richmond and Staten Island, N. Y. Gasoline. Serial No. 409,113; Apr. 25. Class 15.
Stein, Hall & Company, Inc., New York, N. Y. Sizing or finishing agents. Serial No. 416,877; Apr. 25. Class 6.
Stein, S., & Co., New York, N. Y. Woolen goods. Serial No. 416,346; Apr. 25. Class 42.
Stetson, John B., Company, Philadelphia, Pa. Women's hats. Serial No. 415,966; Apr. 25. Class 39.
Stroock, S., & Co., Inc., New York, N. Y. Women's coats of camel hair. Serial No. 414,969; Apr. 25. Class 39.
Style Garment Company Inc., Los Angeles, Calif. Ladies' cloaks, coats, and suits. Serial No. 413,249; Apr. 25. Class 39.
Times-Herald. (See Patterson, Eleanor M.)
Transpec Company, Toronto, Ontario, Canada. Skin lotion. Serial No. 412,565; Apr. 25. Class 6.
Tru Test Marketing & Merchandising Corp., Chicago, Ill. Radiator air valves, faucets, shower fixtures, etc. Serial No. 414,125; Apr. 25. Class 13.
Try-Me Bottling Company, doing business as Greenbelt Distributors, Washington, D. C. Beverages. Serial No. 409,371; Apr. 25. Class 45.
Universal Motor Oils Company, The, Wichita, Kans. Storage batteries. Serial No. 412,568; Apr. 25. Class 21.
Utica Cutlery Company, Utica, N. Y. Shears, scissors, razors, etc. Serial No. 412,473; Apr. 25. Class 23.
Vanity Fair Silk Mills, Reading, Pa. Underwear. Serial No. 415,810; Apr. 25. Class 39.
Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main-Heddernheim, Germany. Bituminous cements and waterproofing material. Serial No. 414,544; Apr. 25. Class 12.
Weil, Joe, New York, N. Y. Whisk brooms, rubber brushes, and clothes brushes. Serial No. 412,784; Apr. 25. Class 29.
Weinreich, Sol E., doing business as Weinreich Brothers Company, New York, N. Y. Pearls. Serial No. 416,005; Apr. 25. Class 28.
West Coast Lumbermen's Association, Seattle, Wash. Lumber, woodwork, paneling, etc. Serial Nos. 412,479–80; Apr. 25. Class 12.
Western Movie Supply Co. (See Lasher, Phil H.)
Western Peroxide Co. (See Peroxide Chemical Co., The.)
Whelkin Coat Co. Inc., New York, N. Y. Coats and suits. Serial No. 416,220; Apr. 25. Class 39.
Wicks Organ Company, Highland, Ill. Pipe organs. Serial No. 416,494; Apr. 25. Class 36.
Winter & Co., New York, N. Y. Pianos and organs. Serial No. 401,083; Apr. 25. Class 36.
Wolf, Jacob, doing business as Rhythm Hosiery Company, Baltimore, Md. Ladies' silk stockings. Serial No. 414,930; Apr. 25. Class 39.
Wood Ridge Manufacturing Co., Inc., The, Wood Ridge, N. J. Medicament. Serial No. 414,673; Apr. 25. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. D. S. Publishing Co., Inc., New York, N. Y. Periodical. 366,698; Apr. 25; Serial No. 413,429; published Feb. 14, 1939. Class 38.

Acorn Products Corporation, Chicago, Ill. Spring clips adapted for disposition over contact prongs on electric plugs. 366,673; Apr. 25; Serial No. 412,893; published Feb. 14, 1939. Class 21.

Allan, A., & Son, Harrison, N. J. Non-ferrous alloys. 126,507; renewed Sept. 16, 1939.

Allen, Chester S., Warren, Pa. Lubricating oils and greases. 366,768; Apr. 25. Class 15.

Aluminum Ware Manufacturing Co., Inc., Elmira, to Marjorie J. Pearl, executrix of the estate of Herman J. Pearl, deceased, Floral Park, Long Island, N. Y., successor. Aluminum utensils. 126,119; renewed July 29, 1939.

American Bird Products, Inc., Chicago, Ill. Live canaries. 366,635; Apr. 25; Serial No. 403,630; published Feb. 14, 1939. Class 1.

American Chicle Company, Long Island City, N. Y. Chewing gum and for cachous. 366,685; Apr. 25; Serial No. 413,094; published Feb. 14, 1939. Class 46.

American Fixture and Mfg. Co., St. Louis, Mo. Furniture. 366,742; Apr. 25; Serial No. 414,428; published Feb. 14, 1939. Class 32.

American Tobacco Company, The, New York, N. Y. Cigarettes and smoking tobacco. 366,744; Apr. 25; Serial No. 414,516; published Feb. 14, 1939. Class 17.

Arms Textile Manufacturing Company, Philadelphia, Pa. Pressing cloth used on laundry machinery. 366,670; Apr. 25; Serial No. 412,792; published Feb. 14, 1939. Class 42.

Artistic Pile Fabrics, Inc., North Bergen, N. J. Piece goods. 366,758; Apr. 25. Class 42.

Atlas Accordions, Inc., New York, N. Y. Accordions. 366,674; Apr. 25; Serial No. 412,896; published Feb. 14, 1939. Class 36.

Atlas Supply Company, Newark, N. J. Rubber tubes. 366,714; Apr. 25; Serial No. 413,771; published Feb. 14, 1939. Class 35.

Bauer, John F., Co., The, Elmira, N. Y. Cereal food-drink. 126,244; renewed Aug. 19, 1939.

Bendel, Henri, Inc., New York, N. Y. Perfumes. 366,747; Apr. 25. Class 6.

Bloomingdale Bros., Inc., New York, N. Y. Biscuits. 366,745; Apr. 25. Class 46.

Botany Worsted Mills, Passaic, N. J. Woolen and worsted fabrics in the piece. 366,718; Apr. 25; Serial No. 413,814; published Feb. 14, 1939. Class 42.

Brasington, John M., Bennettsville, S. C. Therapeutic apparatus. 366,734; Apr. 25; Serial No. 414,093; published Feb. 14, 1939. Class 44.

Bravo Products Company, Ann Arbor, Mich. Paint cleaner preparation, film remover preparation, etc. 366,639; Apr. 25; Serial No. 406,577; published Feb. 14, 1939. Class 4.

Brooks Bottling Company, The, Columbus, Ohio. Malt-less carbonated beverages. 366,771; Apr. 25. Class 45.

Brown Company, Portland, Maine, and Berlin, N. H. Shoe-innersole stock. 366,678; Apr. 25; Serial No. 412,940; published Feb. 14, 1939. Class 50.

Buchman, Vernon L., doing business as Vee Bee Service Company, Memphis, Tenn. Printed contract forms and printed forms. 366,647; Apr. 25; Serial No. 409,343; published Feb. 14, 1939. Class 38.

Bullock's, Inc., Los Angeles, Calif. Toilet water. 366,750; Apr. 25. Class 6.

Bureau of National Affairs, Inc., The, Washington, D. C. Publication. 366,688; Apr. 25; Serial No. 413,179; published Feb. 7, 1939. Class 38.

Burton-Dixie Corporation, Chicago, Ill. Mattresses, box-springs, sun-chairs, etc. 366,640; Apr. 25; Serial No. 406,578; published Feb. 14, 1939. Class 32.

Cabell-Eanes, Inc., New York, N. Y. News feature. 366,702; Apr. 25; Serial No. 413,469; published Feb. 14, 1939. Class 38.

Celotex Corporation, The, Chicago, Ill. Fiber wall board. 366,736–7; Apr. 25; Serial Nos. 414,140–1; published Feb. 14, 1939. Class 12.

Chicago Steel Post Company, assignor to Inland Steel Company, Chicago, Ill. Metallic fence-posts. 125,561; renewed May 27, 1939.

Clark, James E., Nashville, Tenn. Beverages, and sirups and extracts for making the same. 366,660; Apr. 25; Serial No. 412,169; published Feb. 14, 1939. Class 45.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 366,618; Apr. 25; Serial No. 384,884; published Feb. 14, 1939. Class 42.

Colvin-Templeton, Inc., San Francisco, Calif. Refrigerating apparatus. 366,730; Apr. 25; Serial No. 413,979; published Feb. 14, 1939. Class 31.

Continental Lithograph Corporation, Cleveland, Ohio. Electrical special ray projection apparatus and lamps. 366,752; Apr. 25. Class 21.

Corsello, William J., doing business as Dent-X Laboratories, Pittsburgh, Pa. Cleanser for false teeth. 366,740; Apr. 25; Serial No. 414,338; published Feb. 14, 1939. Class 4.

Country Club Soda Co., Inc., Springfield, Mass. Beverages and sirups and extracts for making the same. 366,652; Apr. 25; Serial No. 410,721; published Feb. 14, 1939. Class 45.

Crown Can Company, Philadelphia, Pa. Metal cans. 366,680; Apr. 25; Serial No. 413,038; published Feb. 7, 1939; Class 2.

Dahlman, Earl H., doing business as E. H. Dahlman & Company, Vista, Calif. Fresh avocados. 366,668; Apr. 25; Serial No. 412,698; published Feb. 14, 1939. Class 46.

Davis, Lee, doing business as Davis Manufacturing Co., Tampa, Fla. Preparation for treating hair and scalp. 366,756; Apr. 25. Class 6.

Davis, R. B., Company, Hoboken, N. J. Baking-powder. 125,983–4; renewed July 22, 1939.

De Bataafsche Petroleum Maatschappij, The Hague, Netherlands, assignor to Shell Oil Company, San Francisco, Calif. Petroleum, kerosene, naphtha, etc. 124,687; renewed Mar. 11, 1939.

Dent-X Laboratories. (See Corsello, William J.)

De-Raef Corporation, Kansas City, Mo. Ice cream mix scales. 366,641; Apr. 25; Serial No. 406,635; published Feb. 14, 1939. Class 26.

Dilts Machine Works, Inc., Fulton, N. Y. Pulp cutting and refining machines. 366,679; Apr. 25; Serial No. 413,006; published Feb. 14, 1939. Class 23.

Distribution and Warehousing Publications, Inc., New York, N. Y. Magazine. 366,715; Apr. 25; Serial No. 413,776; published Feb. 7, 1939. Class 38.

Doering, A. L., Mfg. Corp., New York, N. Y. Spark plugs. 366,712; Apr. 25; Serial No. 413,669; published Feb. 14, 1939. Class 21.

Dominion Chemical Co. Inc., New York, N. Y. Dry chemical. 366,764; Apr. 25. Class 6.

Dominion Electrical Manufacturing Company, Mansfield, Ohio. Electric fans. 366,631; Apr. 25; Serial No. 401,892; published Feb. 14, 1939. Class 21.

Domore Chair Company, Inc., Elkhart, Ind. Chairs. 366,724; Apr. 25; Serial No. 413,899; published Feb. 14, 1939. Class 32.

DuBois Soap Co., The, Cincinnati, Ohio. Cleanser. 366,681; Apr. 25; Serial No. 413,065; published Feb. 14, 1939. Class 4.

Dugger Domestic Coal Co., Dugger, Ind. Coal. 366,646; Apr. 25; Serial No. 409,263; published Feb. 14, 1939. Class 1.

Eagle Mattress Company Inc., Boston, Mass. Mattresses, studio couches, box springs, and pillows. 366,731; Apr. 25; Serial No. 414,024; published Feb. 14, 1939. Class 32.

Ero Manufacturing Company, Chicago, Ill. Seat pads and cushions. 366,775; Apr. 25. Class 32.

Evans Products Company, Detroit, Mich. Gear shifting mechanisms for automotive vehicles and on tractors. 366,625; Apr. 25; Serial No. 399,999; published Feb. 22, 1938. Class 23.

Faber, A. W., Inc., doing business as Johann Faber, Newark, N. J. Lead pencils, crayon pencils, ink pencils, and mechanical pencils. 366,725; Apr. 25; Serial No. 413,901; published Feb. 14, 1939. Class 37.

Federal Rubber Company, The, Chicago, Ill., and Chicopee Falls, Mass. Vehicle tires and inner tubes. 366,621; Apr. 25; Serial No. 397,652; published Feb. 14, 1939. Class 35.

Filler Manufacturing Company, Dallas, Tex. Fried food products made of corn and other ingredients. 366,623; Apr. 25; Serial No. 399,271; published Feb. 14, 1939. Class 46.

Fink-Roselieve Co. Inc., New York, N. Y. Photographic apparatus. 366,671; Apr. 25; Serial No. 412,807; published Feb. 14, 1939. Class 26.

Fitzpatrick Bros., Inc., Chicago, Ill. Cleanser. 366,694; Apr. 25; Serial No. 413,340; published Feb. 14, 1939. Class 4.

Floridin Company, Warren, Pa. Agent prepared from natural earth. 366,675; Apr. 25; Serial No. 412,905; published Feb. 14, 1939. Class 1.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. 366,658; Apr. 25; Serial No. 412,070; published Feb. 14, 1939. Class 1.

Frost & Reed Limited, Bristol, England. Pictures, engravings, etchings, etc. 366,665; Apr. 25; Serial No. 412,483; published Feb. 14, 1939. Class 38.

Garden City Brewing Company, San Jose, Calif. Ale. 366,689; Apr. 25; Serial No. 413,182; published Feb. 14, 1939. Class 48.

General Bronze Corporation, Long Island City, N. Y. Windows. 366,695; Apr. 25; Serial No. 413,342; published Feb. 14, 1939. Class 12.

General Electric Company, Schenectady, N. Y. Molding compound. 366,726–7; Apr. 25; Serial Nos. 413,937–8; published Feb. 14, 1939. Class 1.

General Mills, Inc., Minneapolis, Minn. Cereal food products. 366,661; Apr. 25; Serial No. 412,179; published Feb. 14, 1939. Class 46.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 366,743; Apr. 25; Serial No. 414,444; published Feb. 14, 1939. Class 35.

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. 366,728–9; Apr. 25; Serial Nos. 413,941–2; published Feb. 14, 1939. Class 1.

Guardian Life Insurance Company of America, The, New York, N. Y. Folder covers, loose leaf binders, and loose leaf sheets. 366,676; Apr. 25; Serial No. 412,906; published Feb. 14, 1939. Class 37.

Hamersley Manufacturing Company, The, Garfield, N. J. Waxed, greaseproof and sulphite paper. 366,733; Apr. 25; Serial No. 414,070; published Feb. 14, 1939. Class 37.

Hamlin, Dwight, Company, Pittsburgh, Pa. Popcorn 366,711; Apr. 25; Serial No. 413,662; published Feb. 14, 1939. Class 46.

Healthwin Packing Company, Napoleon, Ohio. Dog food. 366,659; Apr. 25; Serial No. 412,136; published Feb. 14, 1939. Class 46.

Henkel, A., & Son, Inc., Keene, N. H. Cuticle and nail scissors, cuticle and nail nippers, fingernail clips, etc. 366,690; Apr. 25; Serial No. 413,225; published Feb. 14, 1939. Class 44.

Hobs Laboratories. (See Lentz, William G.)

House of Crane, Incorporated, The, Indianapolis, Ind. Tobacco products. 366,672; Apr. 25; Serial No. 412,860; published Feb. 14, 1939. Class 17.

Hunt, C. Howard, Pen Company, Camden, N. J. Ink. 366,628; Apr. 25; Serial No. 400,646; published Feb. 7, 1939. Class 11.

Inland Steel Company. (See Chicago Steel Post Company, assignors.

International Brotherhood of Teamsters, Chauffeurs, Stablemen & Helpers of America, Indianapolis, Ind., and Washington, D. C. Books, pamphlets, circulars, etc. 366,638; Apr. 25; Serial No. 406,552; published Feb. 14, 1939. Class 38.

Kellow, Mildred F., doing business as Kellow-Brown Co., Los Angeles, Calif. Paper for checks, drafts, stock certificates, etc. 366,755; Apr. 25. Class 37.

Kemeny, Nicholas, Chicago, Ill. Metal atomizers and sprays. 366,645; Apr. 25; Serial No. 409,004; published Feb. 14, 1939. Class 44.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. 366,716; Apr. 25; Serial No. 413,790; published Feb. 7, 1939. Class 38.

Kraus Bros. & Co., Inc., New York, N. Y. Whiskies, gins, and alcoholic cordials. 366,738; Apr. 25; Serial No. 414,301; published Feb. 14, 1939. Class 49.

Kress., S. H., and Company, New York, N. Y. Liquid glass cleaner, polishing cloths, etc. 366,662; Apr. 25; Serial No. 412,189; published Feb. 14, 1939. Class 4.

Leibholz, Luise, doing business as Medicosane Laboratories, New York, N. Y. Medicated bandage. 366,748; Apr. 25, 1939. Class 6.

Lentz, William G., West Hoboken, N. J., assignor to Charles H. Mumma, doing business as Hobs Laboratories, Union City, N. J. Fumigating-candles. 126,445; renewed Aug. 26, 1939.

Licoreria Marin Inc., Mayaguez, P. R. Whiskey, rum, gin, etc. 366,632; Apr. 25; Serial No. 402,980; published Feb. 14, 1939. Class 49.

Licoreria Marin Inc., Mayaguez, P. R. Alcoholic cordials and liqueurs. 366,633; Apr. 25; Serial No. 402,981; published Feb. 14, 1939. Class 49.

Lights, Incorporated, Los Angeles, Calif. Portable electric airport lighting system. 366,707; Apr. 25; Serial No. 413,585; published Feb. 14, 1939. Class 21.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned and bottled olives. 366,772; Apr. 25. Class 46.

London & Company, Inc., Elizabeth, N. J. Whiskey. 366,719; Apr. 25; Serial No. 413,833; published Feb. 14, 1939. Class 49.

MacDermid, Incorporated, Waterbury, Conn. Dry alkaline cleansing preparatings. 366,682; Apr. 25; Serial No. 413,075; published Feb. 14, 1939. Class 4.

Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished castings. 366,626; Apr. 25; Serial No. 400,563; published Feb. 14, 1939. Class 14.

Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished castings. 366,630; Apr. 25; Serial No. 401,673; published Feb. 14, 1939. Class 14.

Maggi Co., Inc., New York, N. Y. Foods and ingredients of foods. 366,620; Apr. 25; Serial No. 396,142; published Feb. 14, 1939. Class 46.

Maiden Form Brassiere Company, Inc., New York, N. Y. Publication. 366,708; Apr. 25; Serial No. 413,587; published Feb. 7, 1939. Class 38.

Marghab, Emile, Incorporated, New York, N. Y. Table cloths, napkins, doilies, etc. 366,769; Apr. 25. Class 42.

Marx, Louis, & Company, Inc., New York, N. Y. Toy aeroplanes, toy ballet dancers, toy dial safes, etc. 366,664; Apr. 25; Serial No. 412,382; published Feb. 14, 1939. Class 22.

Mastin, Francis B., doing business as Mastin Products Co., New York, N. Y. Eye bandage. 366,760; Apr. 25. Class 6.

Mayans, The. (See Taylor, William P.)

Mayfair Candy Co. (See Powell, D. H.)

McGraw Electric Company, Chicago, Ill. Sets, comprising a toaster, together with ancillary equipment. 366,656; Apr. 25; Serial No. 411,879; published Feb. 14, 1939. Class 50.

McGraw Electric Company, Chicago, Ill. Sets, each comprising a toaster together with ancillary equipment. 366,657; Apr. 25; Serial No. 411,885; published Feb. 14, 1939. Class 50.

McMillen Feed Mills, Inc., Fort Wayne, Ind. Animal food. 366,770; Apr. 25. Class 46.

Medicosane Laboratories. (See Leibholz, Luise.)

Metallic Pad Corporation, Orange, N. J. Pads and padding for laundry rollers, pressing rollers, and pressing machines. 366,699–700; Apr. 25; Serial Nos. 413,449–50; published Feb. 7, 1939. Class 24.

Metals Coating Company of America, Philadelphia, Pa. Apparatus for spraying molten metal, and component parts thereof. 366,627; Apr. 25; Serial No. 400,607; published Feb. 14, 1939. Class 23.

Mitchell & Peirson, Inc., Philadelphia, Pa. Leather. 366,732; Apr. 25; Serial No. 414,037; published Feb. 14, 1939. Class 1.

Mohawk Rubber Company, The, Akron, Ohio. Pneumatic tire recapping and treading material. 366,663; Apr. 25; Serial No. 412,265; published Feb. 14, 1939. Class 35.

Monsanto Chemical Company, St. Louis, Mo. Compound for curing rubber articles. 366,751; Apr. 25. Class 6.

Mumma, Charles H. (See Lentz, William G., assignor.)

National Bundle Tyer Company, Blissfield, Mich. Bundle and package tying machines. 126,564; renewed Sept. 16, 1939.

National Hotel Management Co., Inc., New York, N. Y. Whiskey and gin. 366,666; Apr. 25; Serial No. 412,523; published Feb. 14, 1939. Class 49.

National Macaroni Co., Libertyville, Ill. Macaroni products, spaghetti, noodles, and alimentary pastes. 366,622; Apr. 25; Serial No. 398,586; published Feb. 14, 1939. Class 46.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Papers. 366,722; Apr. 25; Serial No. 413,875; published Feb. 14, 1939. Class 37.

Nestle's Milk Products, Inc., New York, N. Y. Infants' food. 366,705; Apr. 25; Serial No. 413,556; published Feb. 14, 1939. Class 46.

Norcross, New York, N. Y. Greeting cards. 366,691–2; Apr. 25; Serial Nos. 413,235–6; published Feb. 7, 1939. Class 38.

Norcross, New York, N. Y. Greeting cards. 366,704; Apr. 25; Serial No. 413,519; published Feb. 7, 1939. Class 38.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 366,739; Apr. 25; Serial No. 414,308; published Feb. 14, 1939. Class 49.

Paragon Oil Co., Inc., Brooklyn, N. Y. Glass cleaner for windows, mirrors, etc. 366,669; Apr. 25; Serial No. 412,729; published Feb. 14, 1939. Class 4.

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oils, greases, and fuel oils. 366,762; Apr. 25. Class 15.

Parfumerie St. Denis, New York, N. Y. Bath salts, powders, crystals, etc. 366,757; Apr. 25. Class 6.

Peabody Coal Company, Chicago, Ill. Coal. 366,693; Apr. 25; Serial No. 413,274; published Feb. 14, 1939. Class 1.

Pearl, Majorie J., executrix. (See Aluminum Ware Manufacturing Co., Inc.)

Pepperell Manufacturing Company, assignor to Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 125,358; renewed May 13, 1939.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 124,937; renewed Mar. 25, 1939.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 125,499; renewed May 20, 1939.

Pla-Steele Company, Cleveland, Ohio. Plastic compound. 366,677; Apr. 25; Serial No. 412,923; published Feb. 14, 1939. Class 50.

Pope, W. S., & Son, Philadelphia, Pa. Cheeses. 366,720; Apr. 25; Serial No. 413,840; published Feb. 14, 1939. Class 46.

Porter, G. Harvey, Baltimore, Md. Publications. 366,654; Apr. 25; Serial No. 411,753; published Feb. 14, 1939. Class 38.

Powell, D. H., doing business as Mayfair Candy Co., Seattle, Wash. Candy mints. 366,619; Apr. 25; Serial No. 394,423; published Feb. 14, 1939. Class 46.

Pro-Gro Company. (See Webb, G. Farrell.)

Pure Carbonic, Incorporated, New York, N. Y. Liquefied carbon dioxide. 366,767; Apr. 25. Class 6.

Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons. 366,655; Apr. 25; Serial No. 411,840; published Feb. 7, 1939. Class 11.

Remo Co., Inc., Meriden, Conn. Game device for practising golf. 366,696; Apr. 25; Serial No. 413,364; published Feb. 14, 1939. Class 22.

Richie, Malinda, & Co., Jacksonville, Fla. Growing and pressing hair-oil. 126,341; renewed Aug. 19, 1939.

Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencils and leads for the same. 366,686; Apr. 25; Serial No. 413,142; published Feb. 14, 1939. Class 37.

Rockford Paint Manufacturing Co., Rockford, Ill. Paint, paint pastes, varnish, etc. 366,643; Apr. 25; Serial No. 408,207; published Oct. 18, 1938. Class 16.

Romney Fashions Inc., New York, N. Y. Handbags and pocketbooks. 366,749; Apr. 25. Class 3.

Royal, Eddie C., doing business as Royal Candy Company, Durham, N. C. Cheese crackers, buttered toast, figs covered with chocolate, etc. 366,746; Apr. 25. Class 46.

St. Louis University Dental Alumni Association, St. Louis, Mo. Magazine. 366,710; Apr. 25; Serial No. 413,648; published Feb. 14, 1939. Class 38.
Saks & Company, New York, N. Y. Men's outer wearing-apparel. 125,843; renewed June 17, 1939.
Salomon, L. A., & Bro., New York, N. Y. Filtering and bleaching powder. 366,761; Apr. 25. Class 6.
Shaler Company, The, Waupun, Wis. Penetrating oils. 366,687; Apr. 25; Serial No. 413,152; published Feb. 7, 1939. Class 15.
Sheffield Company, The, New London, Conn. Menthol for colds, chapped hands, etc. 366,753; Apr. 25. Class 6.
Shell Oil Company. (See De Bataafsche Petroleum Maatschappij, assignor.)
Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream and sticks, etc. 366,667; Apr. 25; Serial No. 412,676; published Feb. 14, 1939. Class 4.
Silbernagel & Company, Pine Bluff, Ark. Wheat flour. 366,651; Apr. 25; Serial No. 410,662; published Feb. 14, 1939. Class 46.
Simon Freres Ltd., Jarnac, France. Brandy. 366,650; Apr. 25; Serial No. 410,374; published Feb. 14, 1939. Class 49.
Smith, James A., Philadelphia, Pa. Soap. 366,637; Apr. 25; Serial No. 404,587; published May 17, 1938. Class 4.
Southern Pine Association, New Orleans, La. Lumber. 366,648; Apr. 25; Serial No. 409,493; published Feb. 14, 1939. Class 12.
Spurgeon Hosiery Corporation, Philadelphia, Pa. Hosiery. 366,653; Apr. 25; Serial No. 411,070; published Feb. 21, 1939. Class 39.
Staley Milling Company, Kansas City, Mo. Coupons. 366,649; Apr. 25; Serial No. 410,312; published Feb. 14, 1939. Class 38.
Steem-Electric Corporation, St. Louis, Mo. Steam electric irons. 366,776; Apr. 25. Class 21.
Stix, Baer and Fuller Company, St. Louis, Mo. Trunks, bill folds, brief cases, etc. 366,634; Apr. 25; Serial No. 403,617; published Feb. 7, 1939. Class 3.
Superior Felt & Bedding Company, Chicago, Ill. Studio couches. 366,773; Apr. 25. Class 32.
Sussberg & Feinberg, Inc., New York, N. Y. Silk and rayon piece goods. 366,717; Apr. 25; Serial No. 413,803; published Feb. 14, 1939. Class 42.
Syracuse Pop Corn Machine & Supply Co., Inc., Syracuse, N. Y. Corn kernels for popping, pop corn dressing, etc. 366,683; Apr. 25; Serial No. 413,087; published Feb. 14, 1939. Class 46.
Tagit Company, The, Rockford, Ill. Laundry and dry cleaner tags. 366,624; Apr. 25; Serial No. 399,628; published Feb. 14, 1939. Class 37.
Taylor, William P., doing business as The Mayans, Del Rio, Tex. Series of printed lectures or lessons. 366,644; Apr. 25; Serial No. 408,815; published Feb. 14, 1939. Class 38.
Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. 366,765; Apr. 25. Class 46.
Texas Company, The, New York, N. Y. Lubricating oils. 366,759; Apr. 25. Class 15.
Time, Incorporated, New York, N. Y. Magazine. 366,709; Apr. 25; Serial No. 413,606; published Feb. 7, 1939. Class 38.
Tru Test Marketing & Merchandising Corp., Chicago, Ill. Piston rings, rubber hose, tires, etc. 366,735; Apr. 25; Serial No. 414,124; published Feb. 14, 1939. Class 35.
Trukads, International, St. Louis, Mo. Automobile truck advertising. 366,636; Apr. 25; Serial No. 404,335; published Feb. 14, 1939. Class 38.
Union Oil Company of California, Los Angeles, Calif. Lubricating oil and gasoline. 366,713; Apr. 25; Serial No. 413,746; published Feb. 14, 1939. Class 15.
United Herring Co., Inc., Chicago, Ill. Pickled herring. 366,721; Apr. 25; Serial No. 413,845; published Feb. 14, 1939. Class 46.
United States Playing Card Company, The, Cincinnati, Ohio. Parlor game. 366,741; Apr. 25; Serial No. 414,417; published Feb. 14, 1939. Class 22.
Vandegrift, Leroy F., Shawnee, Okla. Pork sandwiches. 366,642; Apr. 25; Serial No. 407,289; published Feb. 14, 1939. Class 46.
Vee Bee Service Company. (See Buchman, Vernon L.)
Veneercraft Limited, London, England. Plywood. 366,701; Apr. 25; Serial No. 413,461; published Feb. 14, 1939. Class 12.
Von Bremen-Asche-De Bruyn, Incorporated, New York, N. Y. Whiskey. 366,684; Apr. 25; Serial No. 413,088; published Feb. 14, 1939. Class 49.
Wahlert Products Corporation, Brooklyn, N. Y. Respirators. 366,629; Apr. 25; Serial No. 400,861; published Feb. 14, 1939. Class 44.
Wanner, Charles A., Fleetwood, Pa. Hosiery. 124,904; renewed Mar. 18, 1939.
Ward, Marguerita, Chicago, Ill. Face powders. 366,766; Apr. 25. Class 6.
Warner, Joseph, Furniture Corp., New York, N. Y. Furniture. 366,774; Apr. 25. Class 32.
Weather-Seal, Inc., Barberton, Ohio. Storm windows and window screens. 366,754; Apr. 25. Class 12.
Webb, G. Farrell, doing business as Pro-Gro Company, Kansas City, Mo. Poultry feed. 366,723; Apr. 25; Serial No. 413,886; published Feb. 14, 1939. Class 46.
Western Fruit Growers, Inc., Los Angeles, Calif. Fresh citrus fruit. 366,703; Apr. 25; Serial No. 413,497; published Feb. 14, 1939. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction box covers for use in paper making machines. 366,706; Apr. 25; Serial No. 413,575; published Feb. 14, 1939. Class 23.
Wilkins, Anna M., Mobile, Ala. Soft drinks. 366,697; Apr. 25; Serial No. 413,373; published Feb. 14, 1939. Class 45.
Wood, Nathan and Virkus Company, Incorporated, New York, N. Y. Process embossers. 366,763; Apr. 25. Class 23.

LIST OF REGISTRANTS OF LABELS

Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Nuts 2-U. For Salted Nuts. 52,858; Apr. 25.
Awful Fresh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Awful Fresh MacFarlane, The Scotch Candymaker. For Half Nuts. 52,859; Apr. 25.
California Fruit Growers Exchange, Los Angeles, Calif. Bottlers Lemon Juice. For Bottlers Lemon Juice. 52,860; Apr. 25.
Carman & Co., Inc., New York, N. Y. That Trim Look. For Envelopes. 52,861; Apr. 25.
Dugan Bros. of New Jersey Inc., Newark, N. J. Dugan's Potato Bread. For Potato Bread. 52,862; Apr. 25.
Dunk Donut Co., The, Cleveland, Ohio. Delicious! Dunk Donuts. For Doughnuts. 52,863; Apr. 25.
Federal Foods Corporation, Los Angeles, Calif. Bakon Krispies. For Bacon Cracklings. 52,864; Apr. 25.
Foss Chemical Company Inc., The, New York, N. Y. Tang. For a Stimulating and Refreshing Concentrated Mouth Wash. 52,865; Apr. 25.
Gum Incorporated, Philadelphia, Pa. The World in Arms. For Picture Cards and Bubble Gum. 52,866; Apr. 25.
Hernandez & Hernandez, San Antonio, Tex. Kad-flax. For a Medical Compound. 52,867; Apr. 25.
Independent Distributing Company, Seattle, Wash. Florin Gold Strawberries. For Strawberries. 52,868; Apr. 25.
Kasko Distillers Products Corp., Philadelphia, Pa. My Friend. For Straight Bourbon Whiskey. 52,869; Apr. 25.
Liane Incorporated, Freeport, Ill. Liane Shampoo. For a Shampoo. 52,870; Apr. 25.
Mathieson Alkali Works (Inc.), The, New York, N. Y. H T H Bleach. For a Bleach. 52,871; Apr. 25.
Meyer, Frank C., Co. Inc., New York, N. Y. Topps Shoes are Tops. For Shoes. 52,872; Apr. 25.
Palmer, Samuel C., Co., Inc., Washington, D. C. Palmer. For Sarsaparilla. 52,873; Apr. 25.
Pillsbury Flour Mills Company, Minneapolis, Minn. Sno Sheen. For Cake Flour. 52,874; Apr. 25.
Reliable Remover & Lacquer Corporation, Long Island City, N. Y. Reliable Non-Inflammable Famous Paint, Varnish & Lacquer Remover. For a Paint, Varnish and Lacquer Remover. 52,875; Apr. 25.
Roehrig, R. R., Los Angeles, Calif. Triple "R" Brand. For Cancellation Ink for Liquor Stamps. 52,876; Apr. 25.
Shellcraft Co., Newark, N. J. Shellcraft. For Sea Shells for Handicraft Purposes. 52,877; Apr. 25.
Sherwin, George, Shorewood, Wis. Sherwin's Waterproofing Process. For a Powdered Compound for Waterproofing Purposes. 52,878; Apr. 25.
Tobacco By-Products & Chemical Corporation Incorporated, Louisville, Ky. "Nico-Fume" Tobacco Powder Pressure-Fumigator for Fumigating Greenhouses. For Tobacco Powder Pressure-Fumigators for Fumigating Greenhouses. 52,879; Apr. 25.
Tobacco By-products & Chemical Corporation Incorporated, Louisville, Ky. Mash-Nic. For Nicotized Powder for Use in Flock Feeds for Roundworm (Ascaridia Lineata) Control. 52,880; Apr. 25.
Weco Products Company, Chicago, Ill. Dr. West's Miracle-Tuft. For Brushes. 52,881; Apr. 25.
Wetalene Laboratories, Inc., Columbus, Ohio. Bub-L-Joy Milk Bath. For a Soapless Suds Bath Powder. 52,882; Apr. 25.

LIST OF REGISTRANTS OF PRINTS

Fisher & Sang, Inc., Buffalo, N. Y. Auto Traffic Safety Patrol Parents. For Knitted Caps. 17,362; Apr. 25.
Hoppe, Frank A., Inc., Philadelphia, Pa. Proper Lubrication for Guns and Reels. For Lubricating Oil. 17,363; Apr. 25.
Lee, H. D., Mercantile Company, The, Kansas City, Mo. Industrial Uniforms. For Uniforms, Shirts and Pants, One-Piece Suits, Service or Shop Coats, Blouses, Pants, Breeches, Lettering and Emblem Service. 17,364; Apr. 25.
Morgan, John C., Company, Traverse City, Mich. An Apple a Day in the Easiest Way. For Apple Juice. 17,365; Apr. 25.
Muscebeck Shoe Company, Danville, Ill. Conditions Often Related to Weak Feet, Nature Intended Health Spot Shoes. For Shoes. 17,366; Apr. 25.
Nutrena Mills, Inc., Kansas City, Kans. Be Sure, Be Safe, Be Thrifty—Feed Nutrena. For Chick Starting Feeds. 17,367; Apr. 25.
Zakibe, Elias A., Montreal, Quebec, Canada. Fit Right. For Ladies' and Misses' Dresses. 17,368; Apr. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Agent prepared from natural earth. Floridin Company. 366,675; Apr. 25; Serial No. 412,905; published Feb. 14, 1939.
Canaries, Live. American Bird Products, Inc. 366,635; Apr. 25; Serial No. 403,630; published Feb. 14, 1939.
Coal. Dugger Domestic Coal Co. 366,646; Apr. 25; Serial No. 409,263; published Feb. 14, 1939.
Coal. Peabody Coal Company. 366,693; Apr. 25; Serial No. 413,274; published Feb. 14, 1939.
Leather. Mitchell & Pelrson, Inc. 366,732; Apr. 25; Serial No. 414,037; published Feb. 14, 1939.
Molding compound. General Electric Company. 366,726–7; Apr. 25; Serial Nos. 413,937–8; published Feb. 14, 1939.
Skins, hides, and pelts, Fur. Fouke Fur Company. 366,658; Apr. 25; Serial No. 412,070; published Feb. 14, 1939.
Wood pulp. Gottesman and Company. 366,728–9; Apr. 25; Serial Nos. 413,941–2; published Feb. 14, 1939.

CLASS 2

Cans, Metal. Crown Can Company. 366,680; Apr. 25; Serial No. 413,038; published Feb. 7, 1939.

CLASS 3

Handbags and pocketbooks. Romney Fashions Inc. 366,749; Apr. 25.
Trunks, bill folds, brief cases, etc. Stix, Baer and Fuller Company. 366,634; Apr. 25; Serial No. 403,617; published Feb. 7, 1939.

CLASS 4

Cleaner for windows, mirrors, etc., Glass. Paragon Oil Co. 366,669; Apr. 25; Serial No. 412,729; published Feb. 14, 1939.
Cleaner, polishing cloths, etc., Liquid glass. S. H. Kress and Company. 366,662; Apr. 25; published Feb. 14, 1939.
Cleaner preparation, film remover preparation, etc., Paint. Bravo Products Company. 366,639; Apr. 25; Serial No. 406,577; published Feb. 14, 1939.
Cleanser. DuBois Soap Co. 366,681; Apr. 25; Serial No. 413,065; published Feb. 14, 1939.
Cleanser. Fitzpatrick Bros., Inc. 366,694; Apr. 25; Serial No. 413,340; published Feb. 14, 1939.
Cleanser for false teeth. W. J. Corsello. 366,740; Apr. 25; Serial No. 414,338; published Feb. 14, 1939.
Cleansing preparations. MacDermid, Incorporated. 366,682; Apr. 25; Serial No. 413,075; published Feb. 14, 1939.
Saponaceous compounds, shaving cream and sticks, etc. Shulton, Inc. 366,667; Apr. 25; Serial No. 412,676; published Feb. 14, 1939.
Soap. J. A. Smith. 366,637; Apr. 25; Serial No. 404,587; published May 17, 1938.

CLASS 6

Bandage, Eye. F. B. Mastin. 366,760; Apr. 25.
Bandage, Medicated. L. Leibholz. 366,748; Apr. 25.
Bath salts, powders, crystals, etc. Parfumerie St. Denis. 366,757; Apr. 25.
Candles, Fumigating. W. G. Lentz. 126,445; renewed Aug. 26, 1939.
Carbon dioxide, Liquefied. Pure Carbonic, Incorporated. 366,767; Apr. 25.
Chemical, Dry. Dominion Chemical Co. Inc. 366,764; Apr. 25.
Compound for curing rubber articles. Monsanto Chemical Company. 366,751; Apr. 25.
Hair-oil, Growing and pressing. Malinda Richie & Co. 126,341; renewed Aug. 19, 1939.
Menthol for colds, chapped hands, etc. Sheffield Company. 366,753; Apr. 25.
Perfumes. H. Bendel Inc. 366,747; Apr. 25.
Powder, Filtering and bleaching. L. A. Salomon & Bro. 366,761; Apr. 25.
Powders, Face. M. Ward. 366,766; Apr. 25.
Preparation for treating hair and scalp. L. Davis. 366,756; Apr. 25.
Sodium silicate. Philadelphia Quartz Company. 124,937; renewed Mar. 25, 1939.
Sodium silicate. Philadelphia Quartz Company. 125,499; renewed May 20, 1939.
Toilet water. Bullock's, Inc. 366,750; Apr. 25.

CLASS 11

Ink. C. Howard Hunt Pen Company. 366,628; Apr. 25; Serial No. 400,646; published Feb. 7, 1939.
Typewriter ribbons. Remington Rand Inc. 366,655; Apr. 25; Serial No. 411,840; published Feb. 7, 1939.

CLASS 12

Fiber wall board. Celotex Corporation. 366,736–7; Apr. 25; Serial Nos. 414,140–1; published Feb. 14, 1939.
Lumber. Southern Pine Association. 366,648; Apr. 25; Serial No. 409,493; published Feb. 14, 1939.
Plywood. Veneercraft Limited. 366,701; Apr. 25; Serial No. 413,461; published Feb. 14, 1939.
Windows. General Bronze Corporation. 366,695; Apr. 25; Serial No. 413,342; published Feb. 14, 1939.
Windows and window screens, Storm. Weather-Seal, Inc. 366,754; Apr. 25.

CLASS 13

Fence-posts, Metallic. Chicago Steel Post Company. 125,561; renewed May 27, 1939.
Utensils, Aluminum. Aluminum Ware Manufacturing Co. 126,119; renewed July 29, 1939.

CLASS 14

Alloys, Non-ferrous. A. Allan & Son. 126,507; renewed Sept. 16, 1939.
Castings, Unfinished. Mackintosh-Hemphill Company. 366,626; Apr. 25; Serial No. 400,563; published Feb. 14, 1939.
Castings, Unfinished. Mackintosh-Hemphill Company. 366,630; Apr. 25; Serial No. 401,673; published Feb. 14, 1939.

CLASS 15

Oil and gasoline, Lubricating. Union Oil Company of California. 366,713; Apr. 25; Serial No. 413,746; published Feb. 14, 1939.
Oils and greases, Lubricating. C. S. Allen. 366,768; Apr. 25.
Oils, greases, and fuel oils, Lubricating. Paragon Oil Compawny. 366,762; Apr. 25.
Oils, Lubricating. Texas Company. 366,759; Apr. 25.
Oils, Penetrating. Shaler Company. 366,687; Apr. 25; Serial No. 413,152; published Feb. 7, 1939.
Petroleum, kerosene, naphtha, etc. De Bataafsche Petroleum Maatschappij. 124,687; renewed Mar. 11, 1939.

CLASS 16

Paint, paint pastes, varnish, etc. Rockford Paint Manufacturing Co. 366,643; Apr. 25; Serial No. 408,207; published Oct. 18, 1938.

CLASS 17

Cigarettes and smoking tobacco. American Tobacco Company. 366,744; Apr. 25; Serial No. 414,516; published Feb. 14, 1939.
Tobacco products. House of Crane, Incorporated. 366,672; Apr. 25; Serial No. 412,860; published Feb. 14, 1939.

CLASS 21

Clips adapted for disposition over contact prongs on electric plugs, Spring. Acorn Products Corporation. 366,673; Apr. 25; Serial No. 412,893; published Feb. 14, 1939.
Electrical special ray projection apparatus and lamps. Continental Lithograph Corporation. 366,752; Apr. 25.
Fans, Electric. Dominion Electrical Manufacturing Company. 366,631; Apr. 25; Serial No. 401,892; published Feb. 14, 1939.

Irons, Steam electric. Steem-Electric Corporation. 366,776; Apr. 25.
Lighting system, Portable electric airport. Lights, Incorporated. 366,707; Apr. 25; Serial No. 413,585; published Feb. 14, 1939.
Spark plugs. A. L. Doering Mfg. Corp. 366,712; Apr. 25; Serial No. 413,669; published Feb. 14, 1939.

CLASS 22

Game device for practising golf. Remo Co. 366,696; Apr. 25; Serial No. 413,364; published Feb. 14, 1939.
Game, Parlor. United States Playing Card Company. 366,741; Apr. 25; Serial No. 414,417; published Feb. 14, 1939.
Toy aeroplanes, toy ballet dancers, toy dial safes, etc. Louis Marx & Company, Inc. 366,664; Apr. 25; Serial No. 412,382; published Feb. 14, 1939.

CLASS 23

Apparatus for spraying molten metal, and component parts thereof. Metals Coating Company of America. 366,627; Apr. 25; Serial No. 400,607; published Feb. 14, 1939.
Bundle and package tying machines. National Bundle Tyer Company. 126,564; renewed Sept. 16, 1939.
Embossers, Process. Wood, Nathan and Virkus Company. 366,763; Apr. 25.
Gear shifting mechanisms for automotive vehicles and on tractors. Evans Products Company. 366,625; Apr. 25; Serial No. 399,999; published Feb. 22, 1938.
Pulp cutting and refining machines. Dilts Machine Works, Inc. 366,679; Apr. 25; Serial No. 413,006; published Feb. 14, 1939.
Suction box covers for use in paper making machines. Westinghouse Electric & Manufacturing Company. 366,706; Apr. 25; Serial No. 413,575; published Feb. 14, 1939.

CLASS 24

Pads and padding for laundry rollers, pressing rollers, and pressing machines. Metallic Rod Corporation. 366,699–700; Apr. 25; Serial Nos. 413,449–50; published Feb. 7, 1939.

CLASS 26

Photographic apparatus. Fink-Roselieve Co. Inc. 366,671; Apr. 25; Serial No. 412,807; published Feb. 14, 1939.
Scales, Ice cream mix. De-Raef Corporation. 366,641; Apr. 25; Serial No. 406,635; published Feb. 14, 1939.

CLASS 31

Refrigerating apparatus. Colvin-Templeton, Inc. 366,730; Apr. 25; Serial No. 413,979; published Feb. 14, 1939.

CLASS 32

Chairs. Domore Chair Company. 366,724; Apr. 25; Serial No. 413,899; published Feb. 14, 1939.
Couches, Studio. Superior Felt & Bedding Company. 366,773; Apr. 25.
Furniture. American Fixture and Mfg. Co. 366,742; Apr. 25; Serial No. 414,428; published Feb. 14, 1939.
Furniture. Joseph Warner Furniture Corp. 366,774; Apr. 25.
Mattresses, box-springs, sun-chairs, etc. Burton-Dixie Corporation. 366,640; Apr. 25; Serial No. 406,578; published Feb. 14, 1939.
Mattresses, studio couches, box springs, and pillows. Eagle Mattress Company. 366,731; Apr. 25; Serial No. 414,024; published Feb. 14, 1939.
Pads and cushions, Seat. Ero Manufacturing Company. 366,775; Apr. 25.

CLASS 35

Piston rings, rubber hose, tires, etc. Tru Test Marketing & Merchandising Corp. 366,735; Apr. 25; Serial No. 414,124; published Feb. 14, 1939.
Tire recapping and retreading material, Pneumatic tire. Mohawk Rubber Company. 366,663; Apr. 25; Serial No. 412,265; published Feb. 14, 1939.
Tires and inner tubes, Vehicle. Federal Rubber Company. 366,621; Apr. 25; Serial No. 397,652; published Feb. 14, 1939.
Tires, Pneumatic. General Tire & Rubber Company. 366,743; Apr. 25; Serial No. 414,444; published Feb. 14, 1939.
Tubes, Rubber. Atlas Supply Company. 366,714; Apr. 25; Serial No. 413,771; published Feb. 14, 1939.

CLASS 36

Accordions. Atlas Accordions, Inc. 366,674; Apr. 25; Serial No. 412,896; published Feb. 14, 1939.

CLASS 37

Folder covers, loose leaf binders, and loose leaf sheets. Guardian Life Insurance Company of America. 366,676; Apr. 25; Serial No. 412,906; published Feb. 14, 1939.
Paper for checks, drafts, stock certificates, etc. M. F. Kellow. 366,755; Apr. 25.
Paper, Waxed, greaseproof, and sulphite. Hamersley Manufacturing Company. 366,733; Apr. 25; Serial No. 414,070; published Feb. 14, 1939.
Papers. Nekoosa-Edwards Paper Company. 366,722; Apr. 25; Serial No. 413,875; published Feb. 14, 1939.
Pencils and leads for the same, Mechanical. Rite-Rite Mfg. Co. 366,686; Apr. 25; Serial No. 413,142; published Feb. 14, 1939.
Pencils, crayon pencils, ink pencils, and mechanical pencils, Lead. A. W. Faber, Inc. 366,725; Apr. 25; Serial No. 413,901; published Feb. 14, 1939.
Tags, Laundry and dry cleaner. Tagit Company. 366,624; Apr. 25; Serial No. 399,628; published Feb. 14, 1939.

CLASS 38

Advertising, Automobile truck. Trukads, International. 366,636; Apr. 25; Serial No. 404,335; published Feb. 14, 1939.
Books, pamphlets, circulars, etc. International Brotherhood of Teamsters, Chauffeurs, Stablemen & Helpers of America. 366,638; Apr. 25; Serial No. 406,552; published Feb. 14, 1939.
Cards, Greeting. Norcross. 366,691–2; Apr. 25; Serial Nos. 413,235–6; published Feb. 7, 1939.
Cards, Greeting. Norcross. 366,704; Apr. 25; Serial No. 413,519; published Feb. 7, 1939.
Coupons. Staley Milling Company. 366,649; Apr. 25; Serial No. 410,312; published Feb. 14, 1939.
Forms and printed forms, Printed contract. V. L. Buchman. 366,647; Apr. 25; Serial No. 409,343; published Feb. 14, 1939.
Lectures or lessons, Series of printed. W. P. Taylor. 366,644; Apr. 25; Serial No. 408,815; published Feb. 14, 1939.
Magazine. Distribution and Warehousing Publications, Inc. 366,715; Apr. 25; Serial No. 413,776; published Feb. 7, 1939.
Magazine. St. Louis University Dental Alumni Association. 366,710; Apr. 25; Serial No. 413,648; published Feb. 14, 1939.
Magazine. Time, Incorporated. 366,709; Apr. 25; Serial No. 413,606; published Feb. 7, 1939.
News feature. Cabell-Eanes, Inc. 366,702; Apr. 25; Serial No. 413,469; published Feb. 14, 1939.
Newspaper section. King Features Syndicate, Inc. 366,716; Apr. 25; Serial No. 413,790; published Feb. 7, 1939.
Periodical. A. D. S. Publishing Co. 366,698; Apr. 25; Serial No. 413,429; published Feb. 14, 1939.
Pictures, engravings, etchings, etc. Frost & Reed Limited. 366,665; Apr. 25; Serial No. 412,483; published Feb. 14, 1939.
Publication. Bureau of National Affairs, Inc. 366,688; Apr. 25; Serial No. 413,179; published Feb. 7, 1939.
Publication. Maiden Form Brassiere Company. 366,708; Apr. 25; Serial No. 413,587; published Feb. 7, 1939.
Publications. G. H. Porter. 366,654; Apr. 25; Serial No. 411,753; published Feb. 14, 1939.

CLASS 39

Hosiery. Spurgeon Hosiery Corporation. 366,653; Apr. 25; Serial No. 411,070; published Feb. 21, 1939.
Hosiery. C. A. Wanner. 124,904; renewed Mar. 18, 1939.
Wearing-apparel, Men's outer. Saks & Company. 125,843; renewed June 17, 1939.

CLASS 42

Cloth used on laundry machinery, Pressing. Arms Textile Manufacturing Company. 366,670; Apr. 25; Serial No. 412,792; published Feb. 14, 1939.
Cotton piece goods. Pepperell Manufacturing Company. 125,358; renewed May 13, 1939.
Piece goods. Artistic Pile Fabrics, Inc. 366,758; Apr. 25.
Piece goods. Cohn-Hall-Marx Co. 366,618; Apr. 25; Serial No. 384,884; published Feb. 14, 1939.
Silk and rayon piece goods. Sussberg & Feinberg, Inc. 366,717; Apr. 25; Serial No. 413,803; published Feb. 14, 1939.
Table cloths, napkins, doilies, etc. Emile Marghab, Incorporated. 366,769; Apr. 25.
Woolen and worsted fabrics in the piece. Botany Worsted Mills. 366,718; Apr. 25; Serial No. 413,814; published Feb. 14, 1939.

CLASS 44

Atomizers and sprays, Metal. N. Kemeny. 366,645; Apr. 25; Serial No. 409,004; published Feb. 14, 1939.
Respirators. Wahlert Products Corporation. 366,629; Apr. 25; Serial No. 400,861; published Feb. 14, 1939.
Scissors, cuticle and nail nippers, fingernail clips, etc., Cuticle and nail. A. Henkel & Son, Inc. 366,690; Apr. 25; Serial No. 413,225; published Feb. 14, 1939.
Therapeutic apparatus. J. M. Brasington. 366,734; Apr. 25; Serial No. 414,093; published Feb. 14, 1939.

CLASS 45

Beverages, and sirups and extracts for making the same. J. E. Clark. 366,660; Apr. 25; Serial No. 412,169; published Feb. 14, 1939.
Beverages and sirups and extracts for making the same. Country Club Soda Co., Inc. 366,652; Apr. 25; Serial No. 410,721; published Feb. 14, 1939.
Beverages, Maltless carbonated. Brooks Bottling Company. 366,771; Apr. 25.

Drinks, Soft. A. M. Wilkins. 366,697; Apr. 25; Serial No. 413,373; published Feb. 14, 1939.

CLASS 46

Avocados, Fresh. E. H. Dahlman. 366,668; Apr. 25; Serial No. 412,698; published Feb. 14, 1939.
Baking-powder. R. B. Davis Company. 125,983–4; renewed July 22, 1939.
Biscuits. Bloomingdale Bros., Inc. 366,745; Apr. 25.
Candy mints. D. H. Powell. 366,619; Apr. 25; Serial No. 394,423; published Feb. 14, 1939.
Canned and bottled olives. Lindsay Ripe Olive Company. 366,772; Apr. 25.
Cereal food-drink. John F. Bauer Co. 126,244; renewed Aug. 19, 1939.
Cereal food products. General Mills, Inc. 366,661; Apr. 25; Serial No. 412,179; published Feb. 14, 1939.
Cheeses. W. S. Pope & Son. 366,720; Apr. 25; Serial No. 413,840; published Feb. 14, 1939.
Corn kernels for popping, pop corn dressing, etc. Syracuse Pop Corn Machine & Supply Co. 366,683; Apr. 25; Serial No. 413,087; published Feb. 14, 1939.
Crackers, buttered toast, figs covered with chocolate, etc., Cheese. E. C. Royal. 366,746; Apr. 25.
Feed, Poultry. G. F. Webb. 366,723; Apr. 25; Serial No. 413,886; published Feb. 14, 1939.
Flour, Wheat. Silbernagel & Company. 366,651; Apr. 25; Serial No. 410,662; published Feb. 14, 1939.
Food, Animal. McMillen Feed Mills, Inc. 366,770; Apr. 25.
Food, Dog. Healthwin Packing Company. 366,659; Apr. 25; Serial No. 412,136; published Feb. 14, 1939.
Food, Infants'. Nestle's Milk Products, Inc. 366,705; Apr. 25; Serial No. 413,556; published Feb. 14, 1939.
Food products made of corn and other ingredients, Fried. Filler Manufacturing Company. 366,623; Apr. 25; Serial No. 399,271; published Feb. 14, 1939.
Foods and ingredients of foods. Maggi Co. 366,620; Apr. 25; Serial No. 396,142; published Feb. 14, 1939.
Fruit, Fresh citrus. Western Fruit Growers, Inc. 366,703; Apr. 25; Serial No. 413,497; published Feb. 14, 1939.
Gum and for cachous, Chewing. American Chicle Company. 366,685; Apr. 25; Serial No. 413,094; published Feb. 14, 1939.
Herring, Pickled. United Herring Co. 366,721; Apr. 25; Serial No. 413,845; published Feb. 14, 1939.
Macaroni products, spaghetti, noodles, and alimentary pastes. National Macaroni Co. 366,622; Apr. 25; Serial No. 398,586; published Feb. 14, 1939.
Popcorn. Dwight Hamlin Company. 366,711; Apr. 25; Serial No. 413,662; published Feb. 14, 1939.
Sandwiches, Pork. L. F. Vandegrift. 366,642; Apr. 25; Serial No. 407,289; published Feb. 14, 1939.
Tea. J. Tetley & Co. 366,765; Apr. 25.

CLASS 48

Ale. Garden City Brewing Company. 366,689; Apr. 25; Serial No. 413,182; published Feb. 14, 1939.

CLASS 49

Brandy. Simon Freres Ltd. 366,650; Apr. 25; Serial No. 410,374; published Feb. 14, 1939.
Cordials and liqueurs, Alcoholic. Licoreria Marin Inc. 366,633 Apr. 25; Serial No. 402,981; published Feb. 14, 1939.
Whiskey. London & Company. 366,719; Apr. 25; Serial No. 413,833; published Feb. 14, 1939.
Whiskey. Oldetyme Distillers, Inc. 366,739; Apr. 25; Serial No. 414,308; published Feb. 14, 1939.
Whiskey. Von Bremen-Asche-De Bruyn, Incorporated. 366,684; Apr. 25; Serial No. 413,088; published Feb. 14, 1939.
Whiskey and gin. National Hotel Management Co. 366,666; Apr. 25; Serial No. 412,523; published Feb. 14, 1939.
Whiskey, rum, gin, etc. Licoreria Marin Inc. 366,632; Apr. 25; Serial No. 402,980; published Feb. 14, 1939.
Whiskies, gins, and alcoholic cordials. Kraus Bros. & Co. 366,738; Apr. 25; Serial No. 414,301; published Feb. 14, 1939.

CLASS 50

Plastic compound. Pla-Steele Company. 366,677; Apr. 25; Serial No. 412,923; published Feb. 14, 1939.
Sets, comprising a toaster, together with auxiliary equipment. McGraw Electric Company. 366,656; Apr. 25; Serial No. 411,879; published Feb. 14, 1939.
Sets, each comprising a toaster together with auxiliary equipment. McGraw Electric Company. 366,657; Apr. 25; Serial No. 411,885; published Feb. 14, 1939.
Shoe-innersole stock. Brown Company. 366,678; Apr. 25; Serial No. 412,940; published Feb. 14, 1939.

LIST OF LABELS

Awful Fresh MacFarlane, The Scotch Candymaker. For Half Nuts. Awful Fresh MacFarlane. 52,859; Apr. 25.
Bakon Krispies. For Bacon Cracklings. Federal Foods Corporation. 52,864; Apr. 25.
Bottlers Lemon Juice. For Bottlers Lemon Juice. California Fruit Growers Exchange. 52,860; Apr. 25.
Bub-L-Joy Milk Bath. For a Soapless Suds Bath Powder. Wetalene Laboratories, Inc. 52,882; Apr. 25.
Delicious! Dunk Donuts. For Doughnuts. Dunk Donut Co. 52,863; Apr. 25.
Dr. West's Miracle-Tuft. For Brushes. Weco Products Company. 52,881; Apr. 25.
Dugan's Potato Bread. For Potato Bread. Dugan Bros. of New Jersey Inc. 52,862; Apr. 25.
Florin Gold Strawberries. For Strawberries. Independent Distributing Company. 52,868; Apr. 25.
H T H Bleach. For a Bleach. Mathieson Alkali Works (Inc.) 52,871; Apr. 25.
Kad-flax. For a Medical Compound. Hernandez & Hernandez. 52,867; Apr. 25.
Liane Shampoo. For a Shampoo. Liane Incorporated. 52,870; Apr. 25.
Mash-Nic. For Nicotized Powder for Use in Flock Feeds for Roundworm (Ascaridia Lineata) Control. Tobacco By-Products & Chemical Corporation Incorporated. 52,880; Apr. 25.
My Friend. For Straight Bourbond Whiskey. Kasko Distillers Products Corp. 52,869; Apr. 25.
"Nico-Fume" Tobacco Powder Pressure-Fumigator for Fumigating Greenhouses. For Tobacco Powder Pressure-Fumigators for Fumigating Greenhouses. Tobacco By-Products & Chemical Corporation Incorporated. 52,879; Apr. 25.
Nuts 2-U. For Salted Nuts. Awful Fresh MacFarlane. 52,858; Apr. 25.
Palmer. For Sarsaparilla. Samuel C. Palmer Co. 52,873; Apr. 25.
Reliable Non-Inflammable Famous Paint, Varnish & Lacquer Remover. For a Paint, Varnish and Lacquer Remover. Reliable Remover & Lacquer Corporation. 52,875; Apr. 25.
Shellcraft. For Sea Shells for Handicraft Purposes. Shellcraft Co. 52,877; Apr. 25.
Sherwin's Waterproofing Process. For a Powdered Compound for Waterproofing Purposes. G. Sherwin. 52,878; Apr. 25.
Sno Sheen. For Cake Flour. Pillsbury Flour Mills Company. 52,874; Apr. 25.
Tang. For a Stimulating and Refreshing Concentrated Mouth Wash. Foss Chemical Company Inc. 52,865; Apr. 25.
That Trim Look. For Envelopes. Carmen & Co. 52,861; Apr. 25.
The World in Arms. For Picture Cards and Bubble Gum. Gum Incorporated. 52,866; Apr. 25.
Topps Shoes are Tops. For Shoes. Frank C. Meyer Co. Inc. 52,872; Apr. 25.
Triple "R" Brand. For Cancellation Ink for Liquor Stamps. R. R. Roehrig. 52,876; Apr. 25.

LIST OF PRINTS

An Apple a Day in the Easiest Way. For Apple Juice. John C. Morgan Company. 17,365; Apr. 25.
Auto Traffic Safety Patrol Parents. For Knitted Caps. Fisher & Sang, Inc. 17,362; Apr. 25.
Be Sure, Be Safe, Be Thrifty—Feed Nutrena. For Chick Starting Feeds. Nutrena Mills, Inc. 17,367; Apr. 25.
Conditions Often Related to Weak Feet, Nature Intended Health Spot Shoes. For Shoes. Musebeck Shoe Company. 17,366; Apr. 25.
Fit Right. For Ladies' and Misses' Dresses. E. A. Zakibe. 17,368; Apr. 25.
Industrial Uniforms. For Uniforms, Shirts and Pants, One-Piece Suits, Service or Shop Coats, Blouses, Pants, Breeches, Lettering and Emblem Service. H. D. Lee Mercantile Company. 17,364; Apr. 25.
Proper Lubrication for Guns and Reels. For Lubricating Oil. Frank A. Hoppe, Inc. 17,363; Apr. 25.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Belluche, Frank R., Racine, Wis. Sheet feeding machine. Re. 21,055; Apr. 25.

Bosket, Shelby D., assignor to M. E. Gottlieb, Cleveland, Ohio. Bumper attachment. Re. 21,056; Apr. 25.

Caesar, George V., Congan Hills, Staten Island, assignor to Stein, Hall & Company, Inc., New York, N. Y. Conversion of starchy polysaccharides. Re. 21,057; Apr. 25.

Gottlieb, Max E. (See Bosket, Shelby D., assignor.)

Hawksworth, David W. (See Thompson, W. D., and Hawksworth.)

Huck, Louis C., Grosse Pointe, assignor to Huxon Holding Corporation, Detroit, Mich. Rivet and setting the same. Re. 21,058; Apr. 25.

Hunt, J Harold, and H. J. Horn, Lansing, assignors, by mesne assignments, to G. A. Lyon, Detroit, Mich. Vehicle wheel. Re. 21,059; Apr. 25.

Huxon Holding Corporation. (See Huck, Louis C., assignor.)

Lavenburg, George, New York, N. Y. Electric toaster. Re. 21,060; Apr. 25.

Lyon, George A. (See Hunt J H., and Horn, assignors.)

Standard Railway Equipment Manufacturing Company. (See Thompson, W. D., and Hawksworth, assignors.)

Stein, Hall & Company. (See Caesar, George V., assignor.)

Swan, Peter, Portland, Oreg. Water Heater. Re. 21,061; Apr. 25.

Thompson, William D., and D. W. Hawksworth, Birmingham, Mich., assignors, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Car roof. Re. 21,062; Apr. 25.

Voit, William J., Los Angeles, Calif. Making balls. Re. 21,063; Apr. 25.

LIST OF PLANT PATENTEES

Alexander, George E., Venice, assignor to K. K. Snyder, Hughson, and A. D. Di Grazia, San Francisco, Calif. Nectarine. 328; Apr. 25.

Di Grazia, A. D., et al. (See Alexander, George E., assignor.)

Grullemans, John J., assignor to The Wayside Gardens Company, Mentor, Ohio. Phlox. 329; Apr. 25.

Snyder, Karl K., et al. (See Alexander, George E., assignor.)

Wayside Gardens Company, The. (See Grullemans, John J., assignor.)

LIST OF DESIGN PATENTEES

Acme Breweries. (See McCabe, Alexander and Adele, assignors.)

American Optical Company. (See Peck, William F., assignor.)

Amity Leather Products Co. (See Wege, John P., assignor.)

Anderson, George W., Akron, Ohio. Tire. 114,432; Apr. 25.

Backer, Wesley H. (See Brock, A., and Backer.)

Baker-Raulang Company, The. (See Hawkins, Paul E., assignor.)

Baker, Sylvester A., San Francisco, Calif. Lighting fixture. 114,433; Apr. 25.

Bates, Alice F., New York, N. Y. Glove. 114,434; Apr. 25.

Berger, Rosemary, New Rochelle, N. Y. Printed textile fabric or similar article. 114,515; Apr. 25.

Berna, Albert J., Royal Oak, Mich. Chair. 114,435; Apr. 25.

Breckenridge, Frank, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Combined washing machine and wringer. 114,436; Apr. 25.

Brewster, Louis H., Belfast, Maine, assignor to Joseph H. Woods Company, Inc., New York, N. Y. Textile fabric or similar article. 114,500; Apr. 25.

Brock, Archibald, Arlington, and W. H. Backer, Orange, assignors to The Emeloid Company, Inc., Arlington, N. J. Sunglasses. 114,437; Apr. 25.

Chapman, David, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo. Dry shaver or similar article. 114,438; Apr. 25.

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Christensen, David J., Berkeley, Calif. Combined scale ejector and screw driver for drafting machines. 114,439; Apr. 25.

Cooper, Samuel, New York, N. Y. Slipper. 114,440; Apr. 25.

Deming, Frederick G., assignor to Hickok Manufacturing Company, Rochester, N. Y. Garment clasp. 114,441; Apr. 25.

Dexter, Hildreth L., assignor to R. H. Macy & Co., Inc., New York, N. Y. Lipstick case. 114,442; Apr. 25.

Dick, Katharine M., Clayton, Mo. Necklace. 114,516; Apr. 25.

Dowling, William P., Savannah, Ga. Frame for electric sifters. 114,443; Apr. 25.

Dreyfuss, Henry, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 114,517; Apr. 25.

Eagle Pleating & Stitching Co. Inc. (See Graff, Solomon, assignor.)

Emeloid Company, The. (See Brock, A., and Backer, assignors.)

Etched Products Corporation. (See Nierenberg, Albert, assignor.)

Etched Products Corporation. (See Smoleroff, Henry J., assignor.)

Fay, John C., Chicago, Ill., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Doctor's cabinet or the like. 114,444; Apr. 25.

Glass, Morris, New York, N. Y. Child's coat or similar article. 114,481; Apr. 25.

Graf, Theodore H., Wilmington, Ohio. Settee. 114,445; Apr. 25.

Graff, Solomon, assignor to Eagle Pleating & Stitching Co. Inc., New York, N. Y. Ribbon. 114,501; Apr. 25.

Graff, Solomon, assignor to Eagle Pleating and Stitching Co. Inc., New York, N. Y. Ribbon. 114,502; Apr. 25.

Graff, Solomon, assignor to Eagle Pleating and Stitching Co. Inc., New York, N. Y. Ribbon. 114,503; Apr. 25.

Grotta, Joseph E., New York, N. Y. Scarf. 114,446; Apr. 25.

Gustin, Winifred M., Winchester, Mass. Novelty pin. 114,447; Apr. 25.

Hamilton Manufacturing Company. (See Fay, John C., assignor.)

Hat Corporation of America. (See Johnson, Lulu A., assignor.)

Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Roof for a vehicle body. 114,448; Apr. 25.

Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Roof for a vehicle body. 114,482; Apr. 25.

Hickok Manufacturing Company. (See Deming, Frederick G., assignor.)

Hirsch, B. F., Inc. (See Simon, William, assignor.)

Johnson, Lulu A., New York, N. Y., assignor to Hat Corporation of America, Norwalk, Conn. Hat. 114,449; Apr. 25.

Katz, Adolph, New York, N. Y. Clip pin. 114,483; Apr. 25.

Katz, Adolph, New York, N. Y. Clip pin. 114,484; Apr. 25.

Katz, Adolph, New York, N. Y. Clip pin. 114,485; Apr. 25.

Katz, Adolph, New York, N. Y. Clip pin. 114,486; Apr. 25.

Katz, Louis, New York, N. Y. Dress. 114,504; Apr. 25.

Katz, Louis, New York, N. Y. Dress ensemble. 114,505; Apr. 25.

Katz, Louis, New York, N. Y. Dress ensemble. 114,506; Apr. 25.

Knapp-Monarch Company. (See Chapman, David, assignor.)

Lannes, Julius, Chicago, Ill. Finger ring. 114,450; Apr. 25.

Lazarus, George, Chicago, Ill. Illuminable mirror or similar article. 114,451; Apr. 25.
Lehmann, Kurt, assignor to Emanuel Roth Co., Inc., New York, N. Y. Textile fabric. 114,518; Apr. 25.
Lehmann, Kurt, assignor to Emanuel Roth Co., Inc., New York, N. Y. Textile fabric. 114,519; Apr. 25.
Lehmann, Kurt, assignor to Emanuel Roth Co., Inc., New York, N. Y. Textile fabric. 114,520; Apr. 25.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 114,452; Apr. 25.
Levy, Aaron, New York, N. Y. Textile fabric. 114,494; Apr. 25.
Macy, R. H., & Co. (See Dexter, Hildreth L., assignor.)
Macy, R. H., & Co. (See Platt, Joseph B., assignor.)
Magarian, Masick C., Fresno, Calif. Safety reflector for an automobile or the like. 114,453; Apr. 25.
Massow, Morris, New York, N. Y. Dress. 114,495; Apr. 25.
Mazer, Louis, New York, N. Y. Jewelry element for bracelets or similar articles. 114,454; Apr. 25.
Mazer, Louis, New York, N. Y. Jewelry element for bracelets or similar articles. 114,455; Apr. 25.
McCabe, Adele. (See McCabe, Alexander and A.)
McCabe, Alexander and A., San Francisco, Calif., assignors to Acme Breweries. Rotatable advertising sign. 114,456; Apr. 25.
Michelson, Margaret, New York, N. Y. Dress ensemble. 114,507; Apr. 25.
Miss O'Mist Products, Inc. (See Scmidt, Louis F. and R. T., assignors.)
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Nierenberg, Albert, New York, assignor to Etched Products Corporation, Long Island City, N. Y. Bookmark. 114,521; Apr. 25.
Novick, Daniel, Chicago, Ill. Dress. 114,496; Apr. 25.
Ochs, Frederick W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 114,457; Apr. 25.
Ochs, Frederick W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe. 114,459; Apr. 25.
Orlik, Hedwig, New York, N. Y. Combined bottle and stopper therefor. 114,458; Apr. 25.
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 114,508; Apr. 25.
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 114,509; Apr. 25.
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 114,510; Apr. 25.
Peck, William F., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmic instrument. 114,487; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,488; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,489; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,490; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,491; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,492; Apr. 25.
Philippe, Alfred, New York, N. Y. Clip pin. 114,493; Apr. 25.
Platt, Joseph B., assignor to R. H. Macy & Co., Inc., New York, N. Y. Cosmetic cream jar. 114,460; Apr. 25.
Platt, Joseph B., assignor to R. H. Macy & Co., Inc., New York, N. Y. Bottle. 114,461; Apr. 25.
Platt, Joseph B., assignor to R. H. Macy & Co., Inc., New York, N. Y. Bottle. 114,462; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,463; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,464; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,465; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,466; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,467; Apr. 25.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric iron. 114,468; Apr. 25.
Quaker Lace Company Inc. (See Otto, Ferdinand P., assignor.)
Quaker Lace Company Inc. (See Wolf, William, assignor.)
Ray, William A., Glendale, Calif. Fluid control valve. 114,497; Apr. 25.
Renaldo, Leandre G., Paris, France. Shoe sole. 114,511; Apr. 25.
Reutter, Carl. (See Robinson, F. A., and Reutter.)
Rittelman, Lawrence, New York, N. Y. Admission ticket. 114,522; Apr. 25.
Robinson, Frank A., and C. Reutter, North Beverly, Mass. Illuminable traffic signal. 114,469; Apr. 25.
Robinson, Frank A., and C. Reutter, North Beverly, Mass. Illuminable traffic signal. 114,470; Apr. 25.
Rosenberg, Myer, Chicago, Ill. Fruit coring tool. 114,471; Apr. 25.
Roth, Emanuel, Co. (See Lehmann, Kurt, assignor.)
Royal Typewriter Company. (See Dreyfuss, Henry, assignor.)
Ruchman, Albert, New York, N. Y. Dress. 114,498; Apr. 25.
Sandor, Nicholas, Haymarket, London, England, assignor to Jacob S. Sherman, Chicago, Ill. Combined appointment pad and clock. 114,472; Apr. 25.
Schmidt, Louis F. and R. T., assignors to Miss O'Mist Products, Inc., Chicago, Ill. Vaporizing machine. 114,473; Apr. 25.
Schmidt, Rheinhold T. (See Schmidt, Louis F. and R. T.)
Senkewitz, Charles F., Dearborn, Mich. Paring knife. 114,474; Apr. 25.
Settell, Ansel R., Bloomfield, Nebr. Dental demonstration model. 114,512; Apr. 25.
Sherman, Jacob S. (See Sandor, Nicholas, assignor.)
Simon, William, Clifton, N. J., assignor to B. F. Hirsch, Inc., New York, N. Y. Jewelry setting or similar article. 114,475; Apr. 25.
Singer, Stanley, New York, N. Y. Textile fabric or similar article. 114,523; Apr. 25.
Smoleroff, Henry J., New York, assignor to Etched Products Corporation, Long Island City, N. Y. Card holder. 114,476; Apr. 25.
Stephens, Henry G., Gadsden, Ala. Whatnot. 114,477; Apr. 25.
Terker, Harry J., Brooklyn, N. Y. Chair or similar article. 114,478; Apr. 25.
Tischler, Abraham, New York, N. Y. Atomizer. 114,524; Apr. 25.
Trencavel, Albert B., New York, N. Y. Combined stove top plate and hot-water coil. 114,513; Apr. 25.
United Shoe Machinery Corporation. (See Ochs, Frederick W., assignor.)
Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. 114,479; Apr. 25.
Wege, John P., assignor to Amity Leather Products Co., West Bend, Wis. Billfold. 114,480; Apr. 25.
Westinghouse Electric & Manufacturing Company. (See Breckenridge, Frank, assignor.)
Wolf, William, assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 114,514; Apr. 25.
Woods, Joseph W., Company. (See Brewster, Louise H., assignor.)
Zigelbaum, Mary, New York, N. Y. Handbag. 114,499; Apr. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Ernest J. (See Firestone, F. A., Abbott, and Kraus.)
Adams, James W., Fostoria, and R. L. Cornwell, Risingsun, Ohio. Teletype apparatus. 2,155,882; Apr. 25.
Addy, Charles W., and R. H. J. Riley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Winding of yarns. 2,155,461; Apr. 25.
Adlake Company, The. (See Larson, Carl H., assignor.)
Adler, John B., Crystal Lake, Ill. Folding armchair. 2,155,522; Apr. 25.
Advertising Machines Corporation. (See Roberts, Charles, assignor.)
Agfa Ansco Corporation. (See Dieterle, Walter, assignor.)
Agfa Ansco Corporation. (See Maiser, Georg L., assignor.)
Akron Automatic Machine Company. (See Snyder, F. C., and Brown, assignors.)
Alba Pharmaceutical Company. (See Neugebauer, Wilhelm, assignor.)
Albertoll, John, San Francisco, Calif. Asparagus sorting machine. 2,155,378; Apr. 25.
Alberts, Arthur J., Chicago, Ill. Heading and trimming machine. 2,155,920; Apr. 25.
Albertson, Victor N., St. Louis Park, assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Tractor hitch. 2,155,379; Apr. 25.
Alexay, Adalbert, Schenectady, N. Y., assignor to General Electric Company. Kitchen waste unit. 2,156,075; Apr. 25.
Algonquin Coupling Company. (See Bruce, David F., assignor.)
Allis-Chalmers Manufacturing Company. (See McCoy, James P. A., assignor.)
Almquist, Nils T. (See Anderson, O. M., and Almquist.)
Alpha, David W., Goose Creek, and E. A. Shepherd, Houston, Tex. Smoking pipe. 2,155,780; Apr. 25.
Alt, Cornelius A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper window shade capable of transmitting light uniformly. 2,156,046; Apr. 25.
Aluminum Company of America. (See Moore, T., and Nighthart, assignors.)
American Blower Corporation. (See Anderson, Edward L., assignor.)
American Brake Shoe and Foundry Company, The. (See Eastburn, S. L., and Cooper, assignors.)
American Character Doll Co. Inc. (See Schaeffer, Edward G., assignor.)
American Coach & Body Company, The. (See Eckman, Merill L., assignor.)
American Cyanamid Company. (See Bradley, Theodore F., assignor.)
American Cyanamid Company. (See Mead, H. L., and Weaver, assignors.)
American Lady Corset Company. (See Lee, Fred M., assignor.)
American Locomotive Company. (See Blunt, James G., assignor.)
American Machine & Foundry Company. (See Jensen, Thormod, assignor.)
American Metal Company. (See Harper, T. E., Jr., and Reinberg, assignors.)
American Paper Bottle Company, The. (See Wollenweber, Julius E., assignor.)
American Radiator & Standard Sanitary Corporation. (See Boyd, Robert C., assignor.)
American Radiator & Standard Sanitary Corporation. (See Brain, George, assignor.)
American Rolling Mill Company, The. (See Barnes, H. C., and Millan, assignors.)
American Rolling Mill Company, The. (See Harford, Albert K., assignor.)
American Rolling Mill Company, The. (See Hudson, Edwin B., assignor.)
American Rolling Mill Company. (See Washburn, D. H., and Hudson, assignors.)
American Sales Book Company. (See Bottle, Edward K., assignor.)
American Securit Company, The. (See Despret, Georges P., assignor.)
American Type Founders, Inc. (See Seybold, Frederick W., assignor.)
Amidon, Roy C., Fort Plain, assignor of one-third to W. S. Becker, Little Falls, and one-third to L. M. Fowler, St. Johnsville, N. Y. Pile fabric and making same. 2,155,385; Apr. 25.
Amidon, Roy C., Fort Plain, assignor of one-third to W. S. Becker, Little Falls, and one-third to L. M. Fowler, St. Johnsville, N. Y. Knitting machine. 2,155,386; Apr. 25.
Ampere X Electronic Products, Inc. (See Senauke, Alexander, assignor.)
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Preparing organic mercury compounds. 2,155,922; Apr. 25.
Anderson, Bert J., Hammond, Ind. Vehicle wheel. 2,155,921; Apr. 25.
Andersen, Edward L., Grosse Isle, assignor to American Blower Corporation, Detroit, Mich. Blower. 2,155,631; Apr. 25.
Anderson, John A., Olympia Fields, assignor to Standard Oil Company, Chicago, Ill. Tree spray oil. 2,155,630; Apr. 25.
Anderson, John W., assignor to Productive Inventions, Inc., Gary, Ind. Windshield cleaner. 2,155,462; Apr. 25.
Anderson, Oscar M., and N. T. Almquist, assignors to Landers, Frary & Clark, New Britain, Conn. Electric toaster. 2,155,852; Apr. 25.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Air conditioning system. 2,155,632; Apr. 25.
Anderson, Thomas. (See Morgan, J. D., and Anderson.)
Anderson, Victor, Cliffside Park, and D. G. Trutner, North Arlington, assignors to Alfred Hofmann & Company, West New York, N. J. Coil filament manufacture. 2,155,388; Apr. 25.
Anderson, Thomas A., Hartwell, Ga. Cutting machine. 2,155,578; Apr. 25.
Anderson, William C., Montclair, N. J. Map. 2,155,387; Apr. 25.
Andrews, Chester E., Overbrook, and M. R. Fenske, State College, assignors to Röhm & Haas Company, Philadelphia, Pa. Reduction with methanol. 2,156,217; Apr. 25.
Angell, Baron M., Indianapolis, Ind. Freight car. 2,155,463; Apr. 25.
Anschicks, Rudolph J., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Wash tank. 2,155,464; Apr. 25.
Anthony, Alfred W., Jr., Belmont, assignor to Pease, Anthony Equipment Company, Cambridge, Mass. Purifying flue gases. 2,155,853; Apr. 25.
Arden, Thomas R., Baldwin, N. Y., assignor to Ultrad Products, Incorporated. Sighting means for guns. 2,155,389; Apr. 25.
Arden, Thomas R., Baldwin, assignor to Ultrad Products, Incorporated, Jamaica, N. Y. Sighting means for guns. 2,155,390; Apr. 25.
Arden, Thomas R., Baldwin, N. Y., assignor to Ultrad Products, Incorporated. Sight for toy guns. 2,155,391; Apr. 25.
Armstrong, James A., Monrovia, Calif. Bleaching nut shells. 2,155,923; Apr. 25.
Arnold, Arthur B., and B. Spieth, assignors to Modine Manufacturing Company, Racine, Wis. Driving connection. 2,156,047; Apr. 25.
Askania-Werke A. G. (See von den Steinen, Carl, assignor.)
Assaf, Michael V., Lawrence, Mass. Safetypin. 2,155,987; Apr. 25.
Assel, Walter J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Billet handling device for tube mills. 2,156,218; Apr. 25.
Augustin, Emil, K. Fügmann, W. Klein, H. Schliemann, and H. Herrmann, assignors to Electricitätsgesellschaft "Sanitas", Berlin, Germany. Apparatus for making radiographs of body sections or body layers. 2,156,170; Apr. 25.
Austin, Ellsworth W., Cedar Rapids, Iowa, assignor to Bendix Products Corporation, South Bend, Ind. Propeller. 2,156,102; Apr. 25.
Austin, Harvey D., Akron, Ohio, assignor to Bendix Aviation Corporation. Spraying device for airplane propellers. 2,156,103; Apr. 25.
Autogiro Company of America. (See de la Cierva, Juan, assignor.)
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Automatic Coinwrapping Machine Corporation. (See Seemel, Bruno E., assignor.)
Automatic Instrument Company. (See Olson, Phillip W., assignor.)
Automatic Signal Corporation. (See Wilcox, H. A., and Barker, assignors.)
Automotive Products Company Limited. (See Clench, Edward C. S., assignor.)
Baash-Ross Tool Company. (See Johnson, Glenn D., assignor.)

Babb, Maynard A., North Bergen, N. J., assignor to Duro-Test Corporation. Starting and operating circuit for gaseous electric discharge devices. 2,155,816; Apr. 25.
Babcock, Leon W., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Diazodinitrophenol and preparation of the same. 2,155,579; Apr. 25.
Bachi, John, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Apparatus for concentrating sulphuric acid. 2,155,633; Apr. 25.
Backhouse, Headley T., London, England. Sheet feeding machine. 2,156,139; Apr. 25.
Baier, Otto, and A. Katsch, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Electric discharge device. 2,156,048; Apr. 25.
Bailey Meter Company. (See Wheaton, Henry C., assignor.)
Ballard, Ernest S., Berkeley, Calif., assignor to Standard Process Corporation, Chicago, Ill. Forming printing cylinders. 2,155,392; Apr. 25.
Bamford, Harry S. (See Farnsworth, P. T., and Bamford.)
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Apparatus for expanding metallic tubular workpieces. 2,155,883; Apr. 25.
Barber-Colman Company. (See Dewey, Ritchie P., assignor.)
Barfod, Frederik, assignor to Bendix Products Corporation, South Bend, Ind. Vacuum fuel feed device. 2,156,104; Apr. 25.
Barker, John L. (See Wilcox, H. A., and Barker.)
Barnes, Hugh C., and E. N. Millan, assignors to The American Rolling Mill Company, Middletown, Ohio. Pickling process. 2,155,854; Apr. 25.
Barnes, Rendell R., Forth Worth, Tex. Bottle rack. 2,155,884; Apr. 25.
Barrett, Arthur M., Winnetka, assignor to Barrett-Cravens Company, Chicago, Ill. Lift truck. 2,155,580; Apr. 25.
Barrett, Arthur M., Winnetka, A. L. Macnair, Evanston, and E. W. Ericson, assignors to The Barrett Bindery Co., Chicago, Ill. Color scheme exhibitor. 2,155,924; Apr. 25.
Barrett Bindery Co., The. (See Barreet, A. M., Macnair, and Ericson, assignors.)
Barrett-Cravens Company. (See Barrett, Arthur M., assignor.)
Barrows, Donald S. (See Kadel, B. W., and Barrows.)
Basseches, Jacob T. (See Levin, Michael, assignor.)
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bassick Company, The. (See Herold, Walter F., assignor.)
Bastable, Edward H., Clifton, Mass. Machine for use in applying heels to shoes. 2,155,581; Apr. 25.
Batelle Memorial Institute. (See Thomas, Bertram D., assignor.)
Bates, Alice, Long Island City, N. Y. Glove construction. 2,156,140; Apr. 25.
Battey, William A., Haverford Township, Delaware County, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y. Crusher frame. 2,155,393; Apr. 25.
Batton, Fenton E. (See Cavanaugh, Edward J., assignor.)
Bausch, Edward, Rochester, and G. Fassin, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Microtome. 2,155,523; Apr. 25.
Bausch & Lomb Optical Company. (See Bausch, E., and Fassin, assignors.)
Bausch & Lomb Optical Company. (See Trautmann, Otto E., assignor.)
Bausch & Lomb Optical Company. (See Wittig, Carl H. O., assignor.)
Baxendale, Samuel, Dearborn, and J. Evasic, Detroit, Mich., assignors to Modern Collet & Machine Company, Ecorse, Mich. Stock feeding means for automatic machine tools. 2,155,634; Apr. 25.
Baxter Laboratories, Inc. (See Brandon, Wayne D., assignor.)
Baxter, William E., Charleston, W. Va. Glass cutter. 2,155,885; Apr. 25.
Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Recovery of liquid hydrocarbons from well fluids. 2,156,234; Apr. 25.
Beacon Safety Signal Co. (See Roan, C. M., Kaupang, and Rohlen, assignors.)
Bean, Ruric N., Houston, Tex., assignor to L. A. Layne. Packer lock. 2,155,380; Apr. 25.
Bean, Ruric N., assignor to L. A. Layne, Houston, Tex. Hydraulic release for well bottoms. 2,155,382; Apr. 25.
Bean, Ruric N., H. C. Block, and L. A. Layne, Houston, Tex.; said Bean and said Block assignors to said Layne. Bottom connection hydraulic setting tool. 2,155,381; Apr. 25.
Becker, Walter S., et al. (See Amidon, Roy C., assignor.)
Beebe, Leslie W., Oak Park, assignor of one-half to D. W. Lewis, Glencoe, Ill. Electric igniter for gas burners. 2,155,524; Apr. 25.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Automatic fidelity control. 2,156,076; Apr. 25.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Automatic selectivity control. 2,156,077; Apr. 25.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Radio receiving apparatus. 2,156,078; Apr. 25.
Beggs, James E., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge device. 2,156,079; Apr. 25.
Behncke, Hermann. (See Maier-Bode, H., Brodersen, and Behncke.)
Behne, Rudolf, Berlin-Lichterfelde, and H. Hinderer, Berlin-Zehlendorf, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Fluorescent screen for cathode ray tubes. 2,155,465; Apr. 25.
Bell Telephone Laboratories, Incorporated. (See Gilbert, John J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuntz, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ronci, Victor L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schelkunoff, Sergei A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Trucksess, Davis E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vaughan, Henry E., assignor.)
Bendheim, Ferdinand, and D. Hirstel, San Francisco, Calif. Wringer drive mechanism. 2,155,525; Apr. 25.
Bendix Aviation Corporation. (See Austin, Harvey D., assignor.)
Bendix Aviation Corporation. (See Watts, William S., assignor.)
Bendix Products Corporation. (See Austin, Ellsworth W., assignor.)
Bendix Products Corporation. (See Barfod, Frederik, assignor.)
Bendix Products Corporation. (See Bill, George W., assignor.)
Bendix Products Corporation. (See Johnson, Carl V., assignor.)
Bendix Products Corporation. (See Kliesrath, Victor W., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See Roberts, Glyn P., assignor.)
Bendix Products Corporation. (See Shaff, Ernest H., assignor.)
Bendix Products Corporation. (See Smith, Stuyvesant C., assignor.)
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Bottom hole pressure gauge. 2,155,635; Apr. 25.
Bensel Corporation. (See Bensel, Duryea, assignor.)
Bensel, Duryea, assignor to Bensel Corporation, New York, N. Y. Collapsible paper board liquid dispensing container. 2,155,636; Apr. 25.
Berg, Alfred J., Portsmouth, N. H., and J. O. Huse, U. S. Navy. Method of and apparatus for making heat exchanging elements. 2,155,394; Apr. 25.
Berg, Alfred J., Portsmouth, N. H., and J. O. Huse, U. S. Navy. Making a heat exchanging element. 2,155,395; Apr. 25.
Bergmann, Christian N., Pittsburgh, assignor of two-sixths to C. M. Clarke, Sewickley, Pa. Container conveyer and distributor. 2,156,105; Apr. 25.
Bernard, Walter W., Greeneville, Tenn. Pipe. 2,156,171; Apr. 25.
Bernhardt, Rudolph, Chicago, Ill. Hanger for garments. 2,155,886; Apr. 25.
Bernhardt, Rudolph, Chicago, Ill. Dispenser. 2,155,887; Apr. 25.
Berry, George P., assignor to General Motors Corporation, Detroit, Mich. Valve lubrication. 2,155,855; Apr. 25.
Besler, William J., Plainfield, N. J. Railway truck. 2,155,781; Apr. 25.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,155,750; Apr. 25.
Betz, Paul L., Baltimore, Md., and S. Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company, Baltimore, Md. Safety device for gas burners. 2,156,235; Apr. 25.
Bibb, Pearl M., Fayetteville, W. Va. Rail punch. 2,156,172; Apr. 25.
Bill, George W., assignor to Bendix Products Corporation, South Bend, Ind. Universal joint. 2,156,106; Apr. 25.
Binz, Arthur, Berlin-Wilmersdorf, and O. von Schickh, assignors to Schering Aktiengesellschaft, Berlin, Germany. Heterocyclic azo compounds and producing the same. 2,156,141; Apr. 25.
Bird, Paul G., Western Springs, Ill. Composition and method for preventing incrustation. 2,156,173; Apr. 25.
Bishop, John C., Savannah, N. Y. Tool for applying emergency chains to automobile tires. 2,155,466; Apr. 25.
Blackwelder, William L., Concord, N. C. Supporting device for revolving flat cards. 2,156,007; Apr. 25.
Blaine, Alfonso W. (See Royer, J. R., Blaine, and Weir.)
Blickman, Saul, New York, N. Y. Sheet polishing machine. 2,155,637; Apr. 25.

Blinn, Glenn E., Leonia, N. J. Electric receptacle. 2,155,925; Apr. 25.
Blitz, Otto, Oakland, assignor to Pacific Manifolding Book Company, Inc., Emeryville, Calif. Manifolding assembly for mailing. 2,156,142; Apr. 25.
Block, Harold C. (See Bean, R. N., Block, and Layne.)
Bloomer Bros. Company. (See Holmes, Raynor M., assignor.)
Blunt, James G., Schenectady, assignor to American Locomotive Company, New York, N. Y. Locomotive. 2,155,926; Apr. 25.
Bodkin, Irving S., New York, assignor to Conrad Razor Blade Co. Inc., Long Island City, N. Y. Strip aligning means. 2,156,038; Apr. 25.
Boeger, Henry F. (See Scott, Robert E., assignor.)
Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Cut-off machine. 2,156,049; Apr. 25.
Boland, Albert J., St. Louis, Mo. Continuous furnace. 2,156,008; Apr. 25.
Bond, Charles L., Los Angeles, Calif. Folding trailer. 2,155,582; Apr. 25.
Bonnar, Alys E., executrix. (See Bonnar, Benjamin H., assignor.)
Bonnar, Benjamin H., deceased; A. E. Bonnar, executrix, assignor to A. E. Bonnar, Toledo, Ohio. Merchandise display apparatus. 2,155,583; Apr. 25.
Bonotto, Michele, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del. Process and apparatus for extraction of oils, fats, and other soluble constituents from materials containing the same. 2,156,236; Apr. 25.
Boomgarden, Frederick, German Valley, Ill. Scaffold hanger. 2,155,888; Apr. 25.
Borders, M. W., Jr. (See Schmidt, Otto W., assignor.)
Borzer, Henri E. A. (See de Vriendt, C., and Borzer.)
Borzym, Alexander, Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio. Flying shear. 2,155,396; Apr. 25.
Bottle, Edward K., Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Manifolding record assembly. 2,156,143; Apr. 25.
Bowers, Herbert L., Haworth, and N. E. Brice, Millburn, N. J., assignors to The Permutit Company, New York, N. Y. Insulated strainer and fabricating same. 2,155,964; Apr. 25.
Bowman, Charles L., assignor to The Bowdil Company, Canton, Ohio. Reversible mining machine chain. 2,155,526; Apr. 25.
Bowman, Joseph H., Pittsburgh, Pa. Painted hoop and making it. 2,156,107; Apr. 25.
Bowdil Company, The. (See Bowman, Charles L., assignor.)
Boyd, Robert C., Louisville, Ky., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Water closet evacuator. 2,155,751; Apr. 25.
Boynton, Arthur J., assignor to H. A. Brassert & Company, Chicago, Ill. Apparatus for charging furnaces. 2,155,927; Apr. 25.
Braatz, Frank C., Chicago, Ill. Drip pan for flush tanks. 2,156,174; Apr. 25.
Bracher, Harold H., Westfield, N. J. Hat and sweat band therefor. 2,155,965; Apr. 25.
Bracht, Carl F., Twin Brooks, S. Dak. Trailer coupler. 2,155,782; Apr. 25.
Bracke, Robert F., Chicago, Ill. Carburetor. 2,155,638; Apr. 25.
Braden, Rene A., Collingswood, N. J., assignor to Radio Corporation of America. High frequency amplifier. 2,155,467; Apr. 25.
Bradley, Theodore F., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Rubber-like material and producing same. 2,155,639; Apr. 25.
Brady, David R. (See Hack, M., and Brady.)
Brain, George, Tiffin, Ohio, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y. Closet structure. 2,156,108; Apr. 25.
Brand, Erick, Elkhart, Ind. Light mount. 2,155,752; Apr. 25.
Brand, Samuel, Binghamton, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,155,928; Apr. 25.
Brandon, Wayne D., assignor to Baxter Laboratories, Inc., Glenview, Ill. Container and means for exhausting air therefrom. 2,155,397; Apr. 25.
Brandt, Francis L., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon the heel portions of shoes. 2,155,527; Apr. 25.
Branson, Earl J., Pasadena, Calif. Road surfacing device. 2,155,889; Apr. 25.
Brassert, H. A., & Company. (See Boynton, Arthur J., assignor.)
Braun, Bernd. (See Herrmann, W. O., Braun, and Haehnel.)
Breitenstein, Charles J., and A. F. Chouinard, assignors to R. T. Moloney, Chicago, Ill. Score registering device. 2,155,929; Apr. 25.
Brice, Norman E. (See Bowers, H. L., and Brice.)
Brinkmann, Friedrich, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Alarm device. 2,156,080; Apr. 25.
Brinton, H., Company. (See Levin, Nathan, assignor.)
Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Clamping device for charts for recording instruments. 2,155,817; Apr. 25.
Bristol Company, The. (See Bristol, Carlton, W., assignor.)
Britton, Edgar C., and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Methallyl cinnamate. 2,155,856; Apr. 25.
Brodersen, Karl. (See Maier-Bode, H., Brodersen, and Bohncke.)
Bronander, Wilhelm B., Montclair, N. J. Wrapping machine. 2,155,398; Apr. 25.
Brooks, Harold K., et al. (See Zavarella, Raphael, assignor.)
Brown and Sharpe Manufacturing Company. (See Krause, August L., assignor.)
Brown, Ernest V., Chicago, assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Grapple. 2,156,109; Apr. 25.
Brown, Gra. C. (See Synder, F. C., and Brown.)
Brown, Howard H., Providence, R. I. Device for balling yarn for knitting or chrocheting purposes. 2,156,050; Apr. 25.
Brown, Letha A., Kansas City, Kans. Pneumatic boat. 2,156,175; Apr. 25.
Bruce, David F., assignor to Algonquin Coupling Company, Philadelphia, Pa. Hose coupling. 2,155,640; Apr. 25.
Bruce, John M., New York, N. Y. Apparatus for cooling brew. 2,155,399; Apr. 25.
Brukner, Clayton J., Troy, Ohio, assignor to Waco Aircraft Company. Flush cover access opening. 2,156,110; Apr. 25.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Plasticized resin composition. 2,156,144; Apr. 25.
Bryant, Jerrus M., and H. A. McAninch, Indianapolis, Ind., assignors to Link-Belt Company. Making bushings and bushed chain links and the articles produced by said method. 2,155,584; Apr. 25.
Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Clary, assignors.)
Budig, Friedrich, Marlow, England. Flapping wing system. 2,155,468; Apr. 25.
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel assembly. 2,155,988; Apr. 25.
Burghoff, Henry L. (See Crampton, D. K., and Burghoff.)
Burt, Alexander D., Narberth, Pa., assignor to Radio Corporation of America. Signal translating apparatus. 2,155,469; Apr. 25.
Burt, Harold A. (See Frolander, F. C., and Burt.)
Buser, Raymond G., Paterson, N. J. Packaging of ribbon. 2,155,641; Apr. 25.
Bush, Eugene S., assignor to Bush Manufacturing Company, St. Louis, Mo. Combined clutch and transmission control. 2,155,470; Apr. 25.
Bush Manufacturing Company. (See Bush, Eugene S., assignor.)
Bushnell, Charles S. (See Preston, N. D., and Bushnell.)
Butcher, Maude L., Seattle, Wash. Portable filling device. 2,155,783; Apr. 25.
Butler, John B. (See Holt, T. W., and Butler.)
Cadden, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Balancing machine. 2,155,528; Apr. 25.
Calcaterra, Joseph P., and P. Ferrero, assignors to The Carando Machine Works, Stockton, Calif. Mower attachment. 2,156,009; Apr. 25.
Caminiti, Nemo V., Springfield, Long Island, N. Y. Combination overflow and pressure valve. 2,155,400; Apr. 25.
Campbell, John S., Seattle, Wash. Linear control circuit. 2,155,966; Apr. 25.
Campbell, Richard L., Birmingham, assignor to Detroit Lubricator Company, Detroit, Mich. Heating system. 2,155,890; Apr. 25.
Campbell, Thomas D., Hardin, Mont. Furrow dammer. 2,155,891; Apr. 25.
Campbell, Wyant & Cannon Foundry Company. (See Lundwall, Albert J., assignor.)
Campell, Leon, et al. (See Wood, Grover W., assignor.)
Campell, M. M., et al. (See Wood, Grover W., assignor.)
Carando Machine Works. (See Calcaterra, J. P., and Ferrero, assignors.)
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carlson, Bert G. (See Kenyon, T. W., Zand, and Carlson.)
Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Rate control course changing means for automatic pilots. 2,155,401; Apr. 25.
Carlson, Julius, Brooklyn, N. Y. Adjustable and washable lady's hat. 2,156,251; Apr. 25.
Carnes, William A., Houston, Tex. Brake. 2,155,818; Apr. 25.
Carr, Richard H., Evanston, assignor to The Pure Oil Company, Chicago, Ill. Method and apparatus for transferring heat. 2,155,383; Apr. 25.
Carr, Richard H., Evanston, assignor to The Pure Oil Company, Chicago, Ill. Pumping system and operating same. 2,155,384; Apr. 25.

Carroll, Willard W., Kalamazoo, Mich. Refrigerator door. 2,155,967; Apr. 25.
Case, J. I., Company. (See MacGregor, Wallace F., assignor.)
Cass, Oliver W. (See Levine, A. A., and Cass.)
Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
Cavanaugh, Edward J., assignor of one-fifth to F. E. Batton, Brattleboro, Vt. Device for delivering metallic leaf from a package thereof. 2,156,176; Apr. 25.
Cavelero, John V., Bloomfield, N. J. Bank plaque. 2,156,081; Apr. 25.
Cavett, Ernest O. and R. O., Milwaukee, Wis. Edible container-making mold. 2,156,145; Apr. 25.
Cavett, Roy O. (See Cavett, Ernest O. and R. O.)
Cawley, Aloysius J., Pittston, Pa. Fog and mist penetrating device. 2,155,471; Apr. 25.
Celanese Corporation of America. (See Addy, C. W., and Riley, assignors.)
Celanese Corporation of America. (See Paffen, Fred W., assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Central Ohio Conveyor Company, The. (See Smith, Forest G., assignor.)
Centrifugal Engineering and Patents Corporation. (See Clarke, Ralph S., assignor.)
Chain Belt Company. (See Wegner, Arnold A., assignor.)
Chamberlin, Clarence P., Pleasant Ridge, and J. H. Toner, Detroit, assignors to Metal Mouldings Corporation, Detroit, Mich. Power bender. 2,156,146; Apr. 25.
Chapman, Ralph W., assignor to T. M. Chapman's Sons Company, Old Town, Maine. Portable melting ladle. 2,155,930; Apr. 25.
Chapman's, T. M., Sons Company. (See Chapman, Ralph W., assignor.)
Chase Brass & Copper Co. Incorporated. (See Crampton, D. K., and Burghoff, assignors.)
Chase Brass & Copper Co. Incorporated. (See Mitchell, August, assignor.)
Chemische Forschungsgesellschaft, m. b. H. (See Herrmann, W. O., Braun, and Haehnel, assignors.)
Cheney, Henry L., et al. (See Pride, Jason N., assignor.)
Chevigny, Georges P. (See Rabuteau, G., and Chevigny.)
Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
Chouinard, Alfred F. (See Breitenstein, C. J., and Chouinard.)
Christ, Karl, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Ultra-short wave transmitter. 2,156,051; Apr. 25.
Christie, Robert D. (See Morison, George S., assignor.)
Chwala, August. (See Waldmann, E., and Chwala.)
Cichero, Mario, Ridgewood, N. J. Airplane passenger cage. 2,156,252; Apr. 25.
Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Clark Equipment Company. (See Williams, Alfred O., assignor.)
Clark, Joseph C., Merchantville, N. J., assignor, by mesne assignments, of one-half to C. T. Ludington, and one-half to N. S. Ludington, Ardmore, Pa. Sun compass. 2,155,402; Apr. 25.
Clarke, Charles M. (See Bergmann, Christian N., assignor.)
Clarke, Ralph S., South Walpole, Mass., assignor, by mesne assignments to Centrifugal Engineering and Patents Corporation, New York, N. Y. Duplex centrifugal separator. 2,156,253; Apr. 25.
Clary, Joseph F. (See Ragsdale, E. J. W., and Clary.)
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Bracket for automobile robe rails. 2,155,834; Apr. 25.
Cleaners Hanger Company. (See Ruen, Henry C., assignor.)
Clench, Edward C. S., Leamington Spa, assignor to Automotive Products Company Limited, London, England. Liquid pressure remote control system. 2,155,529; Apr. 25.
Cleveland Formgrader Company, The. (See Tullis, Jasper G., assignor.)
Cochrane Corporation. (See Kittredge, A. E., and Rohlin, assignors.)
Coffee Products Corporation. (See Wendt, G. L., and Fronmuller, assignors.)
Coffin, Everett D., et al. (See Fairbank, Franklin N., assignor.)
Colbert, Charles C., Elkhart, Ind. Ice skate walking appliance. 2,155,472; Apr. 25.
Coleman, Daniel R., Roselle Park, N. J. Dental brush. 2,155,473; Apr. 25.
Colgate-Palmolive-Peet Company. See Harris, Benjamin R., assignor.)
Collins Radio Company. (See Craft, Liva M., assignor.)
Cone Automatic Machine Company Inc. (See Miller, Carroll, assignor.)
Conklin, Murray. (See Pfening, F. D., and Conklin.)
Connell, George A., San Pedro, and J. P. Rasor, Boron, Calif., assignors to Pacific Coast Borax Company. Removing shale from a naturally occurring borate. 2,155,784; Apr. 25.
Connor, Robert, Brooklyn, N. Y. Sky writing device. 2,156,010; Apr. 25.
Connors, John S., Cleveland, Ohio. Display device. 2,155,699; Apr. 25.
Conrad Razor Blade Co. Inc. (See Bodkin, Irving S., assignor.)
Consolidated Gas Electric Light and Power Company. (See Betz, P. L., and Karrer, assignors.)
Constantine, Arthur R., River Forest, assignor to General Household Utilities Company, Chicago, Ill. Evaporator. 2,155,819; Apr. 25.
Continental Can Company Inc. (See Greiner, George J., assignor.)
Continental Can Company Inc. (See Pearson, Paul E., assignor.)
Continental Can Company. (See Punte, William F., assignor.)
Continental Oil Company. (See Bennett, Edwin O., assignor.)
Continental Oil Company. (See Rieber, Frank, assignor.)
Cook, George A., Washington, D. C. Fishing line distributor. 2,155,753; Apr. 25.
Cook, William E., New York, N. Y. Making insulated wire. 2,155,403; Apr. 25.
Cooper, Carl W., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Logging device. 2,156,052; Apr. 25.
Cooper, George M. (See Eastburn, S. L., and Cooper.)
Cooper, James, Solvay, and J. M. Wall, assignors to Hall & McChesney, Inc., Syracuse, N. Y. Loose-leaf binder. 2,156,147; Apr. 25.
Cornwell, Robert L. (See Adams, J. W., and Cornwell.)
Craft, Liva M., Cedar Rapids, Iowa, assignor, by mesne assignments, to Collins Radio Company. Amplifier circuit. 2,155,404; Apr. 25.
Crago, Harry R., Caldwell, N. J., assignor to General Electric Company. Compensated pre-heat coil. 2,156,082; Apr. 25.
Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electrical conductor. 2,155,405; Apr. 25.
Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electrical conductor. 2,155,406; Apr. 25.
Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Electrical conductor. 2,155,407; Apr. 25.
Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper base alloys. 2,155,408; Apr. 25.
Crane Co. (See Zinkil, Roy H., assignor.)
Creager, Frederick L., Camden, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Loudspeaker. 2,155,474; Apr. 25.
Creed and Company. (See Salmon, Reginald D., assignor.)
Crook, William V., Kansas City, Mo. Die cut lock top for paper boxes. 2,155,530; Apr. 25.
Crown Cork & Seal Company. (See West, William M., assignor.)
Crown Cork & Seal Company. (See Wilbur, Scott I., assignor.)
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Dachlauer, Karl, Hofheim-on-the-Taunus, and E. Schnitzler, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Chlorinating methane and the homologues thereof. 2,156,039; Apr. 25.
Daimler-Benz Aktiengesellschaft. (See Nallinger, Fritz, assignor.)
Dale, Clarence R., Los Angeles, assignor to Dale Service Corporation, Culver City, Calif. Cement dump bailer. 2,155,785; Apr. 25.
Dale Service Corporation. (See Dale, Clarence R., assignor.)
Dalton, Harold R., Ridgefield, N. J., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y. Adhesive coated tape. 2,156,083; Apr. 25.
Daneman, Alfred S., Dayton, Ohio. Applying an aircraft covering. 2,155,931; Apr. 25.
Dardani, Edward V., Southport, Conn. Speedometer for motor vehicles. 2,156,084; Apr. 25.
Dardani, Edward V., Southport, Conn. Speedometer. 2,156,085; Apr. 25.
Daugherty, Louis E., Jr., St. Paul, Minn. Closure device for containers. 2,156,111; Apr. 25.
Daven Company, The. (See Smith, John P., Jr., assignor.)
Davis, Howard C., Elizabeth, N. J. Deposition. 2,155,932; Apr. 25.
Davison, Charles R., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Firedoor operating mechanism. 2,155,585; Apr. 25.
Dayton Rubber Manufacturing Company, The. (See Freedlander, A. L., and Schmidt, assignors.)
Dean and Sherk Company. (See Krentler, Gilbert W., assignor.)
De Beukelaer, Frank L. (See Newton, R. C., and De Beukelaer.)
Decker, Alfred, & Cohn, Inc. (See Markin, Louis, assignor.)

Decker, Frank L., Kimble, Pa. Artificial construction stone. 2,155,531; Apr. 25.
De Frees, Harry L., Des Moines, Iowa. Furnace or the like. 2,155,968; Apr. 25.
De La Cierva, Juan, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America. Aircraft with autorotative wings. 2,155,409; Apr. 25.
De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
Dennis, W. J., & Company. (See Kreuscher, George A., assignor.)
Despret, Georges P., Paris, France, assignor to The American Securit Company, Washington, D. C. Apparatus for suspending glass plates. 2,156,011; Apr. 25.
Detroit Gasket and Manufacturing Company. (See Lefevre, Emil B., assignor.)
Detroit Lubricator Company. (See Campbell, Richard L., assignor.)
Detroit Macoid Corporation. (See Hendric, George S., assignor.)
Deutsch Gold- und Silber-Scheideanstalt. (See von Retze, Ewald, assignor.)
Deutsche Röhrenwerke Aktiengesellschaft. (See Keulers, Jakob, assignor.)
De Vriendt, Charles, and H. E. A. Borzer, Boulogne-Billancourt, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Centralized information service. 2,155,933; Apr. 25.
Dewey, Ritchie P., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Control for heating systems. 2,155,642; Apr. 25.
Dierichs, Alfred, Leverkusen-Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of chlorides of higher fatty acids. 2,156,177; Apr. 25.
Dieterle, Walter, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Sensitizing silver halide emulsions. 2,155,475; Apr. 25.
Di Giacomo, Vincent, and L. Salemi, New York, N. Y. Locking device for lazy tong structures. 2,156,148; Apr. 25.
Donahue, Patrick F., Waterville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Disher. 2,155,700; Apr. 25.
Dooley, Clarence H., et al. (See Dooley, Delmar D., assignor.)
Dooley, Delmar D., assignor of one-fourth to C. H. Dooley, Rock Island, Ill., one-fourth to H. K. Dooley, Los Angeles, Calif., and one-fourth to H. C. Snow, Auburn, Ind. Transmission. 2,155,476; Apr. 25.
Dooley, H. Keith, et al. (See Dooley, Delmar D., assignor.)
Dorrer, Otto. (See Lange, H., and Dorrer.)
Dow Chemical Company, The. (See Britton, E. C., and Moyle, assignors.)
Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,155,532; Apr. 25.
Doyle, Harvey, Lutherville, Md., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y. Indicating instrument for aircraft. 2,156,012; Apr. 25.
Draper, Charles T., Cleveland Heights, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Container closure construction. 2,156,237; Apr. 25.
Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)
Dreverhoff, Rudolf, Cincinnati, Ohio. Crankshaft lathe. 2,155,857; Apr. 25.
Dreyfus, Henry, London, England. Production and treatment of artificial textile materials containing organic derivatives of cellulose. 2,155,410; Apr. 25.
Dreyfus, Henry, London, England. Manufacture of cellulose derivative materials. 2,155,411; Apr. 25.
Drujon, Maxence, Aix-en-Provence, France. Manufacture of salts by base exchange by means of zeolite. 2,155,477; Apr. 25.
Dudley Lock Corporation. (See Machinist, Harold, assignor.)
Dudley Lock Corporation. (See Molinare, Anthony W., assignor.)
Duffield, William A., assignor to Modern Equipment Limited, Montreal, Quebec, Canada. Fluid coupling. 2,156,040; Apr. 25.
Duffield, William A., Windsor, Ontario, assignor to Modern Equipment Limited, Montreal, Quebec, Canada. Variable speed transmission. 2,156,041; Apr. 25.
Dunn, Thomas H., assignor to Stanolind Oil & Gas Company, Tulsa, Okla. Chemical plugging of brine-bearing strata. 2,156,219; Apr. 25.
Dunn, Thomas H., assignor to Stanolind Oil & Gas Company, Tulsa, Okla. Chemical plugging of strata. 2,156,220; Apr. 25.
Duolite Letter Corporation. (See Lowinger, Eugene, assignor.)
Du Pont, E. I., de Nemours & Company. (See Alt, Cornelius A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Jacobson, Ralph A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kühnle, Fritz, assignor.)
Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and Cass, assignors.)
Du Pont, E. I., de Nemours & Company. (See Magill, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, Swanie S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strouse, George C., assignor.)
During, William J., assignor to Precision Casting Company, Inc., Syracuse, N. Y. Die casting machine. 2,155,643; Apr. 25.
Durite Plastics, Incorporated. (See Novotny, Emil E., assignor.)
Duro-Test Corporation. (See Babb, Maynard A., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,155,533; Apr. 25.
Dykema, Tunis J., Pittsburgh, Pa. Liquid dispenser. 2,156,112; Apr. 25.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastburn, Samuel L., Sloatsburg, N. Y., and G. M. Cooper, Fair Lawn, N. J., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y. Adjustable connection for rail points. 2,155,820; Apr. 25.
Easton, Bert. (See Schubel, Donald C., assignor.)
Easton Manufacturing Company. (See Hooker, Harry H., assignor.)
Ebert, Heinrich, Frankfort-on-the-Main, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main, Heddernheim, Germany. Arrangement for automatically regulating the pitch of variable pitch propellers. 2,155,586; Apr. 25.
Eckman, Meril L., assignor to American Coach and Body Company, Cleveland, Ohio. Welding apparatus. 2,155,412; Apr. 25.
Eckman, Meril L., assignor to The American Coach & Body Company, Cleveland, Ohio. Welding apparatus. 2,155,413; Apr. 25.
Eclipse Aviation Corporation. (See Lansing, Raymond P., assignor.)
Edwards, Gertrude E., Modesto, Calif. Condiment holder. 2,155,534; Apr. 25.
Elshenhut, Otto, Heidelberg, H. Rein, Homburgh vor der Hohe, and E. Kaupp, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Akitengesellschaft, Frank-fort-on-the-Main, Germany. Manufacture of artificial silk. 2,155,934; Apr. 25.
Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Tape advancing machine. 2,155,414; Apr. 25.
Electra Sales Corporation. (See Ganz, H. A., and Kamm, assignors.)
Electric Storage Battery Company, The. (See Murphy, Harold P., assignor.)
Electric Tamper & Equipment Company. (See Jargick, Peter P., assignor.)
Electrical Research Products, Inc. (See Fetter, C. H., and Matthews, assignors.)
Electricitätsgesellschaft "Sanitas". (See Augustin, E., Fügmann, Klein, Schliemann, and Herrmann, assignors.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Elliott, Seth E., Indianapolis, Ind. Book holder. 2,155,535; Apr. 25.
Ellis-Foster Company. (See Rust, John B., assignor.)
Elsbert Manufacturing Company. (See Kranz, Hermann E., assignor.)
Emms, Samuel, et al. (See Thornton, Albert A., assignor.)
Engelhard, Charles, Inc. (See Laub, H., and Kremer, assignors.)
Engineering Laboratories, Inc. (See Scherbatskoy, Serge A., assignor.)
Engstrom, Birger, assignor, by mesne assignments, of sixty one-hundredths to The National Supply Company, Pittsburgh, Pa. Pipe thread protector. 2,156,113; Apr. 25.
Ensign Carbureter Co. (See Ensign, Roy F., assignor.)
Ensign Carburetor Co. (See Laub, Fred N., assignor.)
Ensign, Roy F., San Marino, assignor to Ensign Carbureter Co., Ltd., Huntington Park, Calif. Gas carburetor. 2,155,754; Apr. 25.
Ericson, Elmer W. (See Barrett, A. M., Macnair, and Ericson.)
Erickson, Nels E., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Air brake. 2,155,701; Apr. 25.
Erickson, Nels E., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Tractor fender. 2,155,702; Apr. 25.
Evans, Louis P., Beacon, assignor to The Texas Company, New York, N. Y. Solvent refining hydrocarbon oil. 2,155,644; Apr. 25.
Evans, Louis P., and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Separation of wax from oil. 2,155,645; Apr. 25.
Evanston Company, The. (See Schmidt, Richard W., assignor.)
Evasic, John. (See Baxendale, S., and Evasic.)
Extractol Process, Ltd. (See Bonotto, Michele, assignor.)
Fafnir Bearing Company, The. (See Hellyar, Charles H., assignor.)

Fairbank, Franklin N., assignor of one-sixth to H. Sears and one-sixth to E. D. Coffin, Hopedale, one-sixth to C. J. Shanahan, Milford, Mass., one-sixth to H. Malsch and one-sixth to E. T. Tighe, New Rochelle, N. Y. Machine for separating solid materials. 2,155,587; Apr. 25.

Fairclough & Gold. (See Stam, Jesse, assignor.)

Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Means and method for transmitting synchronizing pulses in television. 2,155,479; Apr. 25.

Farnsworth, Philo T., San Francisco, Calif., and H. S. Bamford, Philadelphia, Pa., assignors, by mesne assignments to Farnsworth Television & Radio Corporation, Dover, Del. Producing incandescent images. 2,155,478; Apr. 25.

Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)

Farnsworth Television & Radio Corporation. (See Farnsworth, P. T., and Bamford, assignors.)

Fassin, Gustave. (See Bausch, E., and Fassin.)

Fauria, Arnold R., Los Angeles, Calif. Thimble. 2,155,536; Apr. 25.

Fazioli, Jeremiah J., Hartford, Conn. Tennis playing machine. 2,155,480; Apr. 25.

Feichter, Harold R., assignor to United States Quarry Tile Company, Canton, Ohio. Ceramic manufacture. 2,156,149; Apr. 25.

Feldspathic Research Corporation. (See Greaves-Walker, A. F., and Stone, assignors.)

Felix, Friedrich, and W. Huber, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Mono-azo dyestuffs. 2,155,755; Apr. 25.

Fenn, Edward H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Spark plug. 2,155,481; Apr. 25.

Fenske, Merrell R. (See Andrews, C. E., and Fenske.)

Fernseh Aktiengesellschaft. (See Behne, R., and Hinderer, assignors.)

Fernseh Aktiengesellschaft. (See Günther, Johannes, assignor.)

Ferrero, Pasquale. (See Calcaterra, J. P., and Ferrero.)

Fetter, Charles H., Millburn, N. J., and J. G. Matthews, Kew Gardens, assignors to Electrical Research Products, Inc., New York, N. Y. Watch rate recorder. 2,155,646; Apr. 25.

Fibre Can Development Corporation. (See Hatch, Alexander G., assignor.)

Fiene, Marcus E., Ballston, N. Y., assignor to General Electric Company. Vapor heat transfer system. 2,156,053; Apr. 25.

Firestone, Floyd A., E. J. Abbott, and J. D. Kraus, Ann Arbor, Mich. Pump silencing device. 2,155,756; Apr. 25.

Fischer, G., & Co. (See Fischer, Herman G., assignor.)

Fischer, Herman G., River Forest, assignor to H. G. Fischer & Co., Inc., Chicago, Ill. High frequency apparatus. 2,155,786; Apr. 25.

Fletcher, James H., Wilmette, Ill. Coal mining system. 2,155,415; Apr. 25.

Food Machinery Corporation. (See Sells, Neal S., assignor.)

Forbes Lithograph Manufacturing Company. (See Little, John W., assignor.)

Forsberg, Erik A., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Centrifuge for continuously separating semisolid constituents. 2,155,787; Apr. 25.

Fowler, Lewis M., et al. (See Amidon, Roy C., assignor.)

Frame, John A. (See Koski, Oscar K., assignor.)

Frankmann, Hans, and H. Haakh, Vienna, Austria. Manufacturing hats and products thereof. 2,156,238; Apr. 25.

Freedlander, Abraham L., Dayton, Ohio, and E. J. Schmidt, New York, N. Y., assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Generator drive. 2,155,703; Apr. 25.

Freeman, Raymond A. (See Lundquist, A., Freeman, and Wieking.)

Freedman, Ruth, New York, N. Y. Adjustable brassière. 2,155,935; Apr. 25.

Freie, Albert H. (See Graf, Oliver, assignor.)

French, George F., Hulme, Manchester, assignor to Thomas French & Sons Limited, Manchester, England. Ladder and like webbing and producing the same. 2,156,150; Apr. 25.

French, George F., assignor to Thomas French & Sons Limited, Manchester, England. Reinforced ladder webbing. 2,156,151; Apr. 25.

French, George F., assignor to Thomas French & Sons Limited, Manchester, England. Web holding and guiding stopper. 2,156,152; Apr. 25.

French, Thomas, & Sons Limited. (See French, George F., assignor.)

Frenkel, Leo, New York, assignor to The Hatters' Fur Exchange, Inc., Walden, N. Y. Treatment of animal fibers. 2,155,647; Apr. 25.

Frenkel, Leo, Northboro, Mass., assignor to Hatters' Fur Exchange, Inc., Walden, N. Y. Yarn. 2,155,648; Apr. 25.

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. High frequency electrical switch detail. 2,155,537; Apr. 25.

Friedrichsen, Wilhelm. (See Stern, G., and Friedrichsen.)

Fritze, Otto. (See Ruttenauer, A., and Fritze.)

Frolander, Frank C., Elizabeth, N. J., and H. A. Burt, St. Albans, N. Y., assignors to Mergenthaler Linotype Company. Typographical composing and distributing machine. 2,155,588; Apr. 25.

Frolander, Frank C., Elizabeth, N. J., and H. A. Burt, St. Albans, N. Y., assignors to Mergenthaler Linotype Company. Typographical composing and distributing machine. 2,155,589; Apr. 25.

Fronmuller, Douglas. (See Wendt, G. L., and Fronmuller.)

Füngmann, Kurt. (See Augustin, E., Füngmann, Klein, Schliemann, and Herrmann.)

Fuller, Hermon A., Modesto, Calif. Electric sign. 2,155,936; Apr. 25.

Fulton, Harry E., New York, N. Y. Axe handle fastening. 2,155,893; Apr. 25.

Fulton, Nell, New York, N. Y. Combined toy advertising device. 2,155,788; Apr. 25.

G. B. G. Corporation. (See Graf, Elmer J., assignor.)

Gandrud, Ebenhard S., Pipestone, Minn. Surveyor's plane table. 2,155,538; Apr. 25.

Ganz, Harry A., and R. A. Kamm, assignors to Electra Sales Corporation, Hartford, Conn. Resistance shunt. 2,155,789; Apr. 25.

Gardner, Henry A., Washington, D. C. Pigmented rubber composition. 2,155,539; Apr. 25.

Garrison, Kenneth E. (See Noxon, E. W., and Garrison.)

Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizable plasticizer. 2,155,590; Apr. 25.

Garvey, Benjamin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizable plasticizer. 2,155,591; Apr. 25.

Gáspár, Béla, Brussels, Belgium. Producing colored pictures and sound films. 2,155,894; Apr. 25.

Gates Manufacturing Company. (See Lane, Fred O., assignor.)

Geer, Paul L. (See Perrin, J. C., and Geer.)

Geisler, Ottmar, and H. Herrmann, assignors to Süddeutsche Apparate-Fabrik G. m. b. H., Nuremberg, Germany. Dry rectifier. 2,156,054; Apr. 25.

General Aniline Works, Inc. (See Roh, N., Wolff, and Schäfer, assignors.)

General Aniline Works, Inc. (See Schlack, Paul, assignor.)

General Aniline Works, Inc. (See Winter, C., Roh, Wolff, and Schaefer, assignors.)

General Electric Company. (See Alexay, Adalbert, assignor.)

General Electric Company. (See Beggs, James E., assignor.)

General Electric Company. (See Crago, Harry R., assignor.)

General Electric Company. (See Fiene, Marcus E., assignor.)

General Electric Company. (See Harrison, Ward, assignor.)

General Electric Company. (See Hobart, Garret A., 3d, assignor.)

General Electric Company. (See Krefft, H., and Larché, assignors.)

General Electric Company. (See Lohausen, Karl A., assignor.)

General Electric Company. (See Rice, Chester W., assignor.)

General Electric Company. (See Robinson, Manuel G., assignor.)

General Electric Company. (See Ruttenauer, A., and Fritze, assignors.)

General Electric Company. (See Thumim, Carl, assignor.)

General Electric Company. (See Westendorp, Willem F., assignor.)

General Household Utilities Company. (See Constantine, Arthur R., assignor.)

General Motors Corporation. (See Berry, George P., assignor.)

General Motors Corporation. (See Hull, Harry B., assignor.)

General Motors Corporation. (See Nyland, John A., assignor.)

General Motors Corporation. (See Pearson, Frank C., assignor.)

General Motors Corporation. (See Reifer, G. M., Procissi, and Lundene, assignors.)

General Railway Signal Company. (See Judge, Thomas J., assignor.)

General Railway Signal Company. (See Preston, N. D., and Bishnell, assignors.)

General Woodcraft Co. (See Mainieri, Anthony, assignor.)

George, Douglas F., Shenfield Gardens, Hutton, England, assignor to Radio Corporation of America. Thermionic valve oscillator arrangement. 2,155,649; Apr. 25.

Gerlach, Norman H., trustee. (See Osborne, Bruce, assignor.)

Geyer, George A., Richmond Hill, N. Y. Tube expander. 2,155,416; Apr. 25.

Gibson, George A., Jr., New York, N. Y. Automatic feeding device. 2,155,895; Apr. 25.

Gilbert, John J., Douglaston, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Housing for repeater apparatus. 2,155,650; Apr. 25.

Gilford, Fred A., Chicago, Ill. Bath water conditioner. 2,156,114; Apr. 25.

Gistucci, Paul X. A., Paris, and J. Lichtenstein, assignors to Societe Generale des Carburateurs Zenith, Le Vallois-Perret, (Seine), France. Carburetor. 2,156,115; Apr. 25.

Glasner, Rudolph W., and E. K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner. Die fitting machine. 2,155,482; Apr. 25.

Globe-Union Inc. (See Rubinstein, Harry W., assignor.)

Goetzel, Claus G., New York, N. Y., assignor to Hardy Metallurgical Corporation. Manufacture of aluminum alloys. 2,155,651; Apr. 25.

Goldberg, Harry H., Denver, Colo. Casement window. 2,155,483; Apr. 25.

Goldberg, Max W., assignor to Modern Equipment Company, Port Washington, Wis. Covered ladle. 2,155,540; Apr. 25.

Goldman, Sylvan N., Oklahoma City, Okla. Combination basket and carriage. 2,155,896; Apr. 25.

Goldsmith, Alfred N., New York, N. Y. Radio relay and distribution system. 2,155,821; Apr. 25.

Goldsworthy, Albert H., assignors to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing. 2,155,897; Apr. 25.

Goodall, Arthur W., and O. H. Walters, Runcorn, England, assignors to Imperial Chemical Industries Limited. Stabilization of per compounds. 2,155,704; Apr. 25.

Goodrich, B. F., Company, The. (See Cadden, Charles C., assignor.)

Goodrich, B. F., Company, The. (See Garvey, Benjamin S., assignor.)

Goodrich, B. F., Company, The. (See Schippel, Henry F., assignor.)

Gothe, Albrecht, H. O. Roosenstein, and L. Walter, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Arrangement for coupling high frequency circuits. 2,155,652; Apr. 25.

Gottlieb, Jacob, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,155,484; Apr. 25.

Gottwald, Norman K., Chicago, Ill. Adjustable template means. 2,155,705; Apr. 25.

Gougar, Joseph A., Chicago, Ill. Emergency siding. 2,155,790; Apr. 25.

Government of the United States, as represented by the Secretary of Commerce, and his successors in office. (See Parkhurst, Douglas L., assignor.)

Graenacher, Charles, Basel, and R. Sallmann, Arlesheim, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Emulsifiers and producing the same. 2,155,757; Apr. 25.

Graf, Elmer J., Roselle Park, assignor to G. B. G. Corporation, Newark, N. J. Illuminated decorative device. 2,155,822; Apr. 25.

Graf, Hugo, Gross-Steinheim-on-the-Main, Germany. Freshing-up ink ribbons. 2,155,653; Apr. 25.

Graf, Oliver, assignor of one-half to A. H. Freie, Washington, Mo. Machine for laying breast covers at the joint between the heel and shoe. 2,156,239; Apr. 25.

Graham, George M., Detroit, and A. E. Price, assignors to Hinckley-Myers Company, Jackson, Mich. Radius turning gauge. 2,155,541; Apr. 25.

Graham, George M., Detroit, assignor to Hinckley-Myers Company, Jackson, Mich. Ferrule expanding tool. 2,155,542; Apr. 25.

Grauel, Ernest H. (See Klein, M., and Grauel.)

Graves, Carl R., and J. C. Stout, Clarion, Iowa. Battery terminal connection clamp. 2,156,013; Apr. 25.

Graves, Mary S., Santa Barbara, Calif. Corset. 2,155,485; Apr. 25.

Greaves-Walker, Arthur F., and R. L. Stone, Raleigh, N. C., assignors to Feldspathic Research Corporation, New York, N. Y. Refractory material. 2,155,858; Apr. 25.

Green, Benjamin F., Sr. (See Johnson, James A., assignor.)

Green, Martin J. (See Leavenworth, F. G., and Green.)

Green, Warren T., Louisville, Ky., assignor to Mengel Body Company (Division of The Mengel Company, Incorporated, Louisville, Ky.). Round corner joint. 2,155,969; Apr. 25.

Greene, Minnie, and L. Udey, El Segundo, Calif. Kitchen utensil. 2,156,014; Apr. 25.

Greiner, George J., assignor to Continental Can Company Inc., New York, N. Y. Method and apparatus for punching metal sheets. 2,156,015; Apr. 25.

Griffith, Carroll L., assignor to the Griffith Laboratories, Inc., Chicago, Ill. Manufacture of protein composition. 2,155,417; Apr. 25.

Griffith Laboratories. (See Griffith, Carroll L., assignor.)

Grignolo, Juvenal, San Francisco, Calif. Fruit picker. 2,155,543; Apr. 25.

Griggs, John O., Lakewood, and B. H. Leeks, Bedford, Ohio. Furnace construction. 2,155,418; Apr. 25.

Grigsby, Marion W., Chicago, Ill. Shirt. 2,155,706; Apr. 25.

Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Compound rest for lathes. 2,155,707; Apr. 25.

Groene, William F., H. J. Siekmann, and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Multiple spindle vertical crankshaft lathe. 2,156,153; Apr. 25.

Gross, Clark E. (See Ribn, E. D., and Odenbaugh, assignors.)

Gross, Howard H. (See Evans, L. P., and Gross.)

Gunn, Ross, Washington, D. C. Apparatus for the detection of displacements. 2,155,419; Apr. 25.

Gunn, Ross, Washington, D. C. Apparatus for the detection of displacements. 2,155,420; Apr. 25.

Günther, Johannes, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Starting circuit for cathode ray tubes. 2,155,486; Apr. 25.

Gyure, Tom, Bakersfield, Calif. Motor vehicle brake. 2,156,178; Apr. 25.

Haakh, Hermann. (See Frankmann, H., and Haakh.)

Hack, Morton, and D. R. Brady, assignors to Hack Shoe Co., Detroit, Mich. Orthopedic shoe. 2,156,086; Apr. 25.

Hack Shoe Co. (See Hack, M., and Brady, assignors.)

Haehnel, Wolfram. (See Herrmann, W. O., Braun, and Haehnel.)

Hager, Willett V. (See Hager, Wilson T., assignor.)

Hager, Wilson T., assignor to W. V. Hager, Erwinna, Pa. The incubation of eggs and hatching chickens, as well as pheasants and the like. 2,155,937; Apr. 25.

Hair Accessories Inc. (See Wallace, F. C., and Leisy, assignors.)

Haley, James R., New York, assignor to Welbilt Stove Company, Inc., Maspeth, Long Island, N. Y. Broiler oven and pull-out drawer thereof. 2,155,654; Apr. 25.

Hall & McChesney, Inc. (See Cooper, J., and Wall, assignors.)

Halliburton Oil Well Cementing Company. (See Cooper, Carl W., assignor.)

Halliburton Oil Well Cementing Company. (See McClendon, W. R., and Owsley, assignors.)

Halliburton Oil Well Cementing Company. (See Scaramucci, Domer, assignor.)

Hamilton Metal Products Company, The. (See Piker, Louis M., assignor.)

Hamlin, Thorton, Pasadena, and J. H. Hood, South Pasadena, Calif. Concrete box joint. 2,155,823; Apr. 25.

Handley, John, London, England. Ticket printing and issuing machine for totalizators. 2,155,655; Apr. 25.

Hardy, Charles, Pelham Manor, N. Y., assignor to Hardy Metallurgical Corporation. Preventing adherence of congealed substances to metals. 2,155,592; Apr. 25.

Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Corporation, New York, N. Y. Preventing adherence of congealed substances to metals. 2,155,593; Apr. 25.

Hardy Metallurgical Corporation. (See Goetzel, Claus G., assignor.)

Hardy Metallurgical Corporation. (See Hardy, Charles, assignor.)

Harford, Albert K., Oakland, Calif., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Manufacture of spiral pipe. 2,155,859; Apr. 25.

Harkins, Charles R., Flint, Mich. Fishhook extractor. 2,155,898; Apr. 25.

Harlow, Fred, Newark, Ohio. Trap. 2,155,544; Apr. 25.

Harper, Thomas E., Jr., and G. Reinberg, La Oroya, Peru, assignors, by mesne assignments, to The American Metal Company, Limited, New York, N. Y. Removal of tin from lead containing tin and other impurities. 2,155,545; Apr. 25.

Harries, John H. O., London, England. Electron discharge device. 2,155,824; Apr. 25.

Harris, Benjamin R., Chicago, Ill., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Sulphated aliphatic ethers. 2,155,899; Apr. 25.

Harris-Seybold-Potter Company. (See Sims, William O., assignor.)

Harrison, Ward, Shaker Heights, Ohio, assignor to General Electric Company. Illumination. 2,156,087; Apr. 25.

Hart, George H., West Hartford, Conn. Electric switch indexing mechanism. 2,155,594; Apr. 25.

Hartanov, Andrew S. (See Williams, B. E., and Hartanov.)

Hartanov, Andrew S., assignor to Industrial Patents Corporation, Chicago, Ill. Motor. 2,155,708; Apr. 25.

Hartanov, Andrew S., assignor to Industrial Patents Corporation, Chicago, Ill. Tongue protector. 2,155,710; Apr. 25.

Hartanov, Andrew S., and C. L. Lohner, assignors to Industrial Patents Corporation, Chicago, Ill. Tongue protector method. 2,155,799; Apr. 25.

Harten, John J., assignor to Niles-Bement-Pond Company, Hartford, Conn. Rotatable cutting tool. 2,155,595; Apr. 25.

Hartman, William, trustee. (See Leavenworth, Frank G., assignor.)

Hartman, William, trustee. (See Leavenworth, F. G., and Green, assignors.)

Hartshorn, Stanley D., Wayne, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Roll crusher. 2,155,970; Apr. 25.

Haselton, Merton L., Rye, N. Y., and R. M. Hicks, Plainfield, N. J., assignors to The Teleregister Corporation, New York, N. Y. Numerical comparator. 2,155,825; Apr. 25.

Hatch, Alexander G., Rochester, N. Y., assignor to Fibre Can Development Corporation, Rutland, Vt. Paper can body. 2,155,487; Apr. 25.

Hatheway, William E., Bridgeport, Conn. Hose supporter. 2,155,711; Apr. 25.

Hatters' Fur Exchange, Inc. (See Frenkel, Leo, assignor.)

Hawes, Ben M., Santa Cruz, Calif. Mixing samples. 2,155,596; Apr. 25.

Hayes, Lynn O., St. Louis, Mo. Manufacture of envelopes. 2,155,656; Apr. 25.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Hectorne, Ronald L. (See McMurray, Arthur A., assignor.)

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multielement electron discharge apparatus and system. 2,156,088; Apr. 25.

Helgeson, Kennell, Mount Horeb, Wis. Tractor wheel. 2,155,938; Apr. 25.

Hellyar, Charles H., assignor to The Fafnir Bearing Company, New Britain, Conn. Thrust bearing. 2,155,657; Apr. 25.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,155,989; Apr. 25.

Hendrie, George S., Grosse Pointe Farms, assignor to Detroit Macoid Corporation, Detroit, Mich. Rubber steering wheel. 2,155,488; Apr. 25.

Hercules Powder Company. (See Babcock, Leon W., assignor.)

Hercules Powder Company. (See Trowell, William W., assignor.)

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 2,155,826; Apr. 25.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 2,155,827; Apr. 25.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 2,155,828; Apr. 25.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Slide, caster, or the like for furniture. 2,155,829; Apr. 25.

Herr, Charles M., administrator. (See Moore, T., and Nighthart.)

Herrin, Charles W., Kansas City, Mo. Automatic separator. 2,155,489; Apr. 25.

Herrmann, Heinrich. (See Augustin, E., Fügmann, Klein, Schliemann, and Herrmann.)

Herrmann, Heinrich. (See Geisler, O., and Herrmann.)

Herrmann, Willy O., Deisenhofen, B. Braun, Melsungen, and W. Haehnel, assignors to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany. Surgical and medical preparations. 2,155,658; Apr. 25.

Herzog, Adolph. (See Wilford, E. B., and Herzog.)

Hibbert, George F., Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind. Streptococcus antigen. 2,156,240; Apr. 25.

Hicks, Raymond M. (See Haselton, M. L., and Hicks.)

Higgins, Ray. (See McCreery, G. L., Campbell, and Higgins.)

Hill, Oliver P., Charleston, W. Va. Polishing and abrading head. 2,156,179; Apr. 25.

Hill, Rowland M., Detroit, and R. D. Wiley, Oakland, Mich. Variable airfoil structure. 2,155,546; Apr. 25.

Hinckley-Myers Company. (See Graham, George M., assignor.)

Hinckley-Myers Company. (See Graham, G. M., and Price, assignors.)

Hinckley-Myers Company. (See Price, Arthur E., assignor.)

Hinde, Marion K., Atlanta, Ga. Automatic circuit breaker. 2,155,758; Apr. 25.

Hinderer, Heinrich. (See Behne, R., and Hinderer.)

Hinnekens, Maurice G., Paterson, N. J. Chuck. 2,156,089; Apr. 25.

Hinnekens, Maurice G., Paterson, N. J. Treating fabrics. 2,156,090; Apr. 25.

Hinton, Roy, Panhandle, Tex. Trailer brake. 2,155,547; Apr. 25.

Hirsch, Louis, Textile Machines, Inc. (See Ruckel, Erwin, assignor.)

Hirstel, Dave. (See Bendheim F., and Hirstel.)

Hitchcock, Harold W., Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass. Slub catcher or yarn cleaner. 2,155,900; Apr. 25.

Hobart, Garret A., 3d, Tuxedo Park, N. Y., assignor to General Electric Company. High frequency apparatus. 2,156,016; Apr. 25.

Hobart, Garret A., 3d, Tuxedo Park, N. Y., assignor to General Electric Company. High frequency apparatus. 2,156,017; Apr. 25.

Hocke, John, Chicago, Ill. Cap retainer. 2,155,759; Ar. 25.

Hodgman, Willis K., Jr., Taunton, Mass. Pendant sprinkler head. 2,155,990; Apr. 25.

Hoe, R., & Co. (See Lundquist, A., Freeman, and Wieking, assignors.)

Hoe, R., & Co. (See Wieking, William C., assignor.)

Hoehl, Charles, Brooklyn, N. Y. Convertible chair bed. 2,155,490; Apr. 25.

Hoffman, Alfred, & Company. (See Anderson, V., and Trutner, assignors.)

Hoffman-La Roche Inc. (See Karrer, Paul, assignor.)

Holmes, Raynor M., assignor to Bloomer Bros. Company, Newark, N. Y. Carton. 2,155,791; Apr. 25.

Holsten, Karl G., assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Goniometer. 2,156,055; Apr. 25.

Holt, Thomas W., Woodley, Stockport, and J. B. Butler, Wilmslow, England. Production of slivers from textile fibers. 2,155,598; Apr. 25.

Homkes, Bartel J. (See Tull, R. H., and Homkes.)

Hompesch, George, Irvington, N. J. Toilet cover and seat lift. 2,155,548; Apr. 25.

Hood, John H. (See Hamlin, T., and Hood.)

Hood Rubber Company. (See L'Hollier, L. H., and Wray, assignors.)

Hooker, Harry H., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Brake slack adjuster. 2,156,154; Apr. 25.

Horner, Jack E., Dinsmore, Fla. Rotary engine. 2,156,180; Apr. 25.

Hornung, Heinrich, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Producing carrier frequencies. 2,156,056; Apr. 25.

House, Herbert E., Kansas City, Mo. Cash drawer lining insert. 2,155,549; Apr. 25.

Houseman, Percy A., Haddonfield, assignor to MacAndrews and Forbes Company, Camden, N. J. Coffee extract and making same. 2,155,971; Apr. 25.

Howard, Alan F., Winchester, Mass. Toy structural material. 2,156,155; Apr. 25.

Howard, George E., Butler, Pa. Speed regulator. 2,156,116; Apr. 25.

Howard, John J., Germantown, Philadelphia, Pa. Golf club. 2,155,830; Apr. 25.

Hower, Harry C., Chicago, Ill. Tire. 2,155,972; Apr. 25.

Huber, Wilhelm. (See Felix, F., and Huber.)

Hudson, Edwin B. (See Washburn, D. H., and Hudson.)

Hudson, Edwin B., assignor to The American Rolling Mill Company, Middletown, Ohio. Automatic controlling device for tandem mills. 2,155,860; Apr. 25.

Hudson, Frank M., Walnut Park, assignor to Pacific Pump Works, Huntington Park, Calif. Valve construction. 2,155,550; Apr. 25.

Hughes, William J., assignor to Manifold Supplies Company, Brooklyn, N. Y. Duplicating ink and making the same. 2,155,861; Apr. 25.

Hughes, William J., assignor to Manifold Supplies Company, Brooklyn, N. Y. Duplicating ink. 2,155,862; Apr. 25.

Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,155,831; Apr. 25.

Hull, Walter E., Warren, Ohio. Magnetic compass. 2,155,712; Apr. 25.

Humphner, Ferdinand W., Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company. Stamp. 2,156,018; Apr. 25.

Hunter, Ralph W., Jacksonville, Fla., assignor to Scientific Traffic Controls, Inc. Traffic control sign. 2,155,832; Apr. 25.

Huse, John O. (See Berg, A. J., and Huse.)

Hutchison, Oakley, Pedro, Ohio. Boot or shoe. 2,155,599; Apr. 25.

Hy, Joseph, Aiden, N. Y. Box holder. 2,155,760; Apr. 25.

Hydraulic Brake Company. (See Swift, Harvey C., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Dachlauer, K., and Schnitzler, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Dierichs, Alfred, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Elshenhut, O., Rein, and Kaupp, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Lange, H., and Dorrer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Nicolai, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Stern, G., and Friedrichsen, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Waldmann, E., and Chwala, assignors.)

Imperial Brass Manufacturing Company, The. (See Shanley, William C., assignor.)

Imperial Chemical Industries Limited. (See Goodall, A. W., and Walters, assignors.)

Imperial Chemical Industries Limited. (See Knight, A. H., and Lodge, assignors.)

Industrial Patents Corporation. (See Hartanov, Andrew S., assignor.)

Industrial Patents Corporation. (See Hartanov, A. S., and Lohner, assignors.)

Industrial Patents Corporation. (See Lohner, Carl L., assignor.)

Industrial Patents Corporation. (See Miller, Nick J., assignor.)

Industrial Patents Corporation. (See Mitchell, Harold S., assignor.)

Industrial Patents Corporation. (See Newton, R. C., and De Beukelaer, assignors.)

Industrial Patents Corporation. (See Parsons, Clinton H., assignor.)

Industrial Patents Corporation. (See Terry, George, assignor.)

Industrial Patents Corporation. (See Williams, B. E., and Hartanov, assignors.)

Industrial Patents Corporation. (See Wright, David M., assignor.)

Ingersoll-Rand Company. (See Kirgan, John, assignor.)

International Standard Electric Corporation. (See Rabuteau, G., and Chevigny, assignors.)

International Supply Company. (See Sloan, James W., assignor.)

Irvine, Keith S., Wellington, New Zealand. Scale and indicating means for use in connection therewith. 2,155,600; Apr. 25.

Irwine, Robert L., Union, and J. P. Kovacs, assignors to Motor Improvements, Inc., Newark, N. J. Filter forming machine. 2,155,973; Apr. 25.

Jackson, Honel A., Detroit, Mich. Mask. 2,156,181; Apr. 25.

Jacob, Thomas H., Wausau, Wis. Vehicle axle. 2,155,939; Apr. 25.

Jacobs, F. L., Co. (See Visser, John, assignor.)

Jacobs, Frank C., New Kensington, Pa. Condenser tube seal. 2,155,491; Apr. 25.

Jacobs, Rex C., Detroit, Mich. Automobile visor bracket. 2,156,091; Apr. 25.

Jacobson, Ralph A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resin compositions. 2,155,863; Apr. 25.

Jahn, C. R., Company. (See Jahn, H. W., and Rendall, assignors.)

Jahn, Herbert W., and H. G. Rendall, assignors to C. R. Jahn Company, Chicago, Ill. Vehicle axle coupling. 2,155,940; Apr. 25.

James Mfg. Co. (See Willett, W. M., and Markey, assignors.)

Janke, William, et al. (See Paul, Leonard B.)

Jargick, Peter P., West Chicago, Ill., assignor to Electric Tamper & Equipment Company, Ludington, Mich. Ballast working implement and method. 2,155,713; Apr. 25.

Jaskey, Leo L., assignor to The Studebaker Corporation, South Bend, Ind. Battery supporting means. 2,155,941; Apr. 25.

Jeffree, John H., Bray-on-Thames, assignor to Scophony Limited, London, England. Light modulating device. 2,155,659; Apr. 25.

Jeffree, John H., Oxshott, assignor to Scophony Limited, London, England. Light modulating device. 2,155,660; Apr. 25.

Jeffree, John H. Oxshott, assignor to Scophony Limited, London, England. Light modulating device. 2,155,661; Apr. 25.

Jennings, William F., Worthing, England Air or gas compressor. 2,155,551; Apr. 25.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine & Foundry Company. Outsert attachment. 2,156,241; Apr. 25.

Jester, John W. (See Pittinger, P. S., and Jester.)

Johansen, Einar K. (See Glasner, R. W., and Johansen.)

Johanson, Carl H., assignor to O. S. Johanson, Los Angeles, Calif. Leather stretching apparatus. 2,155,833; Apr. 25.

Johanson, Olivia S. (See Johanson, Carl H., assignor.)

Johnson, Andrew, Chicago, Ill. Shed-forming device. 2,156,092; Apr. 25.

Johnson, Carl V., assignor to Bendix Products Corporation, South Bend, Ind. Shock strut. 2,156,117; Apr. 25.

Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Bailer. 2,155,601; Apr. 25.

Johnson, Gustave P., Waukegan, Ill. Spring cushion. 2,155,792; Apr. 25.

Johnson, James A., assignor of one-half to B. F. Green, Sr., Lexington, N. C. Saw set. 2,155,901; Apr. 25.

Johnson, Roy W., Milwaukee, Wis. Metering valve. 2,155,761; Apr. 25.

Jonas, Gottfried B., assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Permanent magnet steel alloy and making same. 2,156,019; Apr. 25.

Jones, Harry H., assignor, by mesne assignments, to Technical Oil Tool Corporation, Ltd., Los Angeles, Calif. Well hole inclinometer. 2,155,552; Apr. 25.

Jones, Kenneth W., Enfield, England. Conveyer. 2,155,553; Apr. 25.

Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,155,554; Apr. 25.

Judge, Thomas J., Rio de Janeiro, Brazil, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,156,042; Apr. 25.

Jumonville, Joseph A., New Orleans, La. Shade bracket. 2,156,182; Apr. 25.

Kadel, Byers W., Baltimore, Md., and D. S. Barrows, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway vehicle. 2,155,662; Apr. 25.

Kahn, Julius, and W. F. Schulz, Cleveland Heights, assignors to Republic Steel Corporation, Cleveland, Ohio. Thread protector. 2,156,221; Apr. 25.

Kalamazoo Sled Company. (See Kidder, William E., assignor.)

Kamm, Robert A. (See Ganz, H. A., and Kamm.)

Karrer, Paul, Zurick, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Iso-alloxazine derivatives and the manufacture of same. 2,155,555; Apr. 25.

Karrer, Sebastian. (See Betz, P. L., and Karrer.)

Kass, Samuel M., Philadelphia, Pa. Tank ball valve. 2,155,902; Apr. 25.

Katsch, Annemarie. (See Baier, O., and Katsch.)

Katzen, Raphael. (See Olson, E. T., and Katzen.)

Katzen, Raphael. (See Olson, E. T. Katzen, and Plow.)

Kaupang, Oliver E. (See Roan, C. M., Kaupang, and Rohlen.)

Kaupp, Erich. (See Eisenhut, O., Rein, and Kaupp.)

Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, River Forest, Ill. Starting box. 2,156,043; Apr. 25.

Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)

Kelco Company. (See Wilt, Vernon K., assignor.)

Kemp, Roland J., and D. L. Plaistowe, Chelmsford, England, assignors to Radio Corporation of America. Radio direction finder. 2,155,492; Apr. 25.

Kelsey-Hayes Wheel Company. (See Le Jeune, Frank H., assignor.)

Kemp, Lebbeus C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Treatment of gaseous fuels. 2,155,663; Apr. 25.

Kenyon, Theodore W., Huntington, S. J. Zand, Forest Hills, and B. G. Carlson, Freeport, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Safety device for hydraulic servomotors. 2,155,421; Apr. 25.

Kern, Jern G., East Aurora, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Dyeing process and compositions therefor. 2,155,942; Apr. 25.

Kerschbaum, Friedrich P., Winter Haven, Fla., assignor to H. T. Stowell, Washington, D. C. Phosphatic fertilizer. 2,155,556; Apr. 25.

Keulers, Jakob, Hilden, assignor to the firm Deutsche Röhrenwerke Aktiengesellschaft, Dusseldorf, Germany. Apparatus for testing pipe connections. 2,155,602; Apr. 25.

Kharasch, Morris S., and R. R. Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind. Ergot derivative and obtaining it. 2,156,242; Apr. 25.

Kidder, William E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Hand sled. 2,155,714; Apr. 25.

King, Elsie H., South Bend, Wash. Logging apparatus. 2,156,183; Apr. 25.

Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,155,664; Apr. 25.

Kittredge, Arthur E., Audubon, N. J., and V. A. Rohlin, Glenside, assignors to Cochrane Corporation, Philadelphia, Pa. Intermittent air actuated acid feeder. 2,155,943; Apr. 25.

Klein, Maximilian, Sellersville, and E. H. Grauel, Perkasie, assignors to United States Gauge Company, Sellersville, Pa. Nonremovable chart holder. 2,155,603; Apr. 25.

Klein, Willy. (See Augustin, E., Fügmann, Klein, Schliemann, and Herrmann.)

Kliesrath, Victor W., assignor to Bendix Products Corporation, South Bend, Ind. Servomotor and control for transmissions. 2,156,118; Apr. 25.

Knapp, William E., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Adjustable plow hitch. 2,155,715; Apr. 25.

Knight, Arthur H., and F. Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,155,493; Apr. 25.

Kober, Wilhelm H., Dusseldorf, Germany. Wringing device. 2,155,494; Apr. 25.

Komaki, Tarohachi, Claremont, Calif. Pea hulling machine. 2,155,793; Apr. 25.

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Combine. 2,155,422; Apr. 25.

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Combine. 2,155,423; Apr. 25.

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Power mower. 2,155,716; Apr. 25.

Koski, Oscar K., assignor of one-fourth to J. A. Frame, Selma, Calif. Refrigerator attachment. 2,156,184; Apr. 25.

Kovacs, Julius P. (See Irwine, R. L., and Kovacs.)

Kranz, Hermann E., Elmhurst, assignor to Elsbert Manufacturing Company, Inc., Chicago, Ill. Motor control. 2,155,557; Apr. 25.

Kraus, John D. (See Firestone, F. A., Abbott, and Kraus.)

Krause, August L., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Milling machine. 2,155,864; Apr. 25.

Krefft, Hermann, Berlin-Friedrichshagen, and K. Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company. Electric lamp. 2,156,057; Apr. 25.

Kremer, John. (See Laub, H., and Kremer.)

Krentler, Gilbert W., Lexington, assignor to Dean & Sherk Company, Inc., Lawrenceburg, Ky. Spool for industrial thread. 2,156,243; Apr. 25.

Kress, Joseph J., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,155,604; Apr. 25.

Kreuscher, George A., Kenosha, Wis., assignor to W. J. Dennis & Company, Chicago, Ill. Window screen. 2,155,424; Apr. 25.

Kühnle, Fritz, Gotha, Germany, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing addition products of alkali metal perborates and urea. 2,155,717; Apr. 25.

Kuntz, Frank A., Woodhaven, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,155,495; Apr. 25.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,155,991; Apr. 25.

L. T. Corporation. (See Tench, Frederick, assignor.)

La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Master cylinder unit for brakes. 2,156,120; Apr. 25.

La Mere, Frank J., Minneapolis, Minn. Electric stove or the like. 2,155,425; Apr. 25.

Landers, Frary & Clark. (See Anderson, O. M., and Almquist, assignors.)

Landis Tool Company. (See Price, Ralph E., assignor.)

Lane, Fred O., assignor to Gates Manufacturing Company, Indianapolis, Ind. Attaching button. 2,155,496; Apr. 25.

Lane-Wells Company. (See Phipps, John T., assignor.)

Lange, Heinrich, and O. Dorrer, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing vinyl esters. 2,156,093; Apr. 25.

Lansing, Raymond P., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,155,974; Apr. 25.

Larché, Kurt. (See Krefft, H., and Larché.)

Larsen Agnew E., Huntingdon Valley, Pa., assignor, by mesne assignments, to Autogiro Company of America. Rotative-winged aircraft. 2,155,426; Apr. 25.

Larsen Agnew E., Huntingdon Valley, Pa., assignor, by mesne assignments, to Autogiro Company of America. Aircraft sustaining rotor. 2,155,427; Apr. 25.

Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch. 2,155,428; Apr. 25.

Lathrop, Harry D., Chicago, Ill., assignor to The Lathrop-Paulson Co. Conveyer. 2,156,020; Apr. 25.

Lathrop-Paulson Co., The. (See Lathrop, Harry D., assignor.)

Lathrop-Paulson Company, The. (See Rufus, Otto B., assignor.)

Latil, Adrien, Marseille, France. Transforming alternating rectilinear movement into continuous rotary movement. 2,155,497; Apr. 25.

Laub, Fred N., Los Angeles, assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Liquid and gaseous fuel carburetor. 2,155,763; Apr. 25.

Laub, Hans, Maplewood, and J. Kremer, West Orange, assignors to Charles Engelhard, Inc., Newark, N. J. Control device for heat generating apparatus. 2,156,119; Apr. 25.

Laudensack, Albert F., New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company. Stock attaching device for firearms. 2,155,498; Apr. 25.

Laughlin, Clyde M., Wenatchee, Wash. Pressure regulator. 2,155,558; Apr. 25.

Lawson, Walter E., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Waterproofing hygroscopic materials. 2,155,499; Apr. 25.

Layne, Leslie A. (See Bean, Ruric N., assignor.)

Layne, Leslie A. (See Bean, R. N., Block, and Layne.)

Layne, Leslie A. (See van Westrum, Colby, assignor.)

Layne, Leslie A., Houston, Tex. Well strainer. 2,155,719; Apr. 25.

Layne, Leslie A., Houston, Tex. Well strainer. 2,155,720; Apr. 25.

Layne, Leslie A., and L. C. Mundt, Houston, Tex., said Mundt assignor to said Layne. Wash-pipe anchor. 2,155,718; Apr. 25.

Leach, Horace, Torquay, England. Apparatus for playing a game of skill. 2,155,794; Apr. 25.

Leavenworth, Frank G., Oak Park, and M. J. Green, assignors to W. Hartman, trustee, Chicago, Ill. Apparatus for indicating the amount of pressure in pneumatic tires for automobiles. 2,155,865; Apr. 25.

Leavenworth, Frank G., Oak Park, assignor to W. Hartman, trustee, Chicago, Ill. Apparatus for indicating the amount of pressure in automobile tires. 2,155,903; Apr. 25.

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., Siekmann, and Meyer, assignors.)

Lee, Harley C., Columbus, assignor, by mesne assignments, to Society for Savings in the City of Cleveland, Cleveland, Ohio. Glass-making material. 2,155,721; Apr. 25.

Lee, Fred M., Dearborn, assignor to American Lady Corset Company, Detroit, Mich. Sewing machine. 2,155,722; Apr. 25.

Leeks, Bert H. (See Griggs, J. O., and Leeks.)

Leeper, Vera, Yorktown Heights, N. Y. Puppet. 2,155,665; Apr. 25.

Lefevre, Emil B., assignor to Detroit Gasket and Manufacturing Company, Detroit, Mich. Glass run for slidable windows. 2,155,559; Apr. 25.

Legault, Romeo R. (See Kharasch, M. S., and Legault.)

Leidig, Clarence A., Buffalo, assignor of forty-five per cent to S. C. Wead, North Tonawanda, N. Y. Heat exchange unit. 2,155,666; Apr. 25.

Leisy, Arthur A. (See Wallace, F. C., and Leisy.)

Leiter, Harry H. (See Longfellow, Earl E., assignor.)

Le Jeune, Frank H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Wheel. 2,155,667; Apr. 25.

Leland, Ragnvald G., New York, N. Y. Hair-waving apparatus. 2,155,975; Apr. 25.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Levin, Michael, Buffalo, assignor of four-tenths to J. T. Basseches, New York, N. Y. Molding cork products and similar material. 2,155,429; Apr. 25.

Levin, Nathan, assignor to H. Brinton Company, Philadelphia, Pa. Knitting machine. 2,156,185; Apr. 25.

Levine, Arthur A., and O. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilization of trichlorethylene. 2,155,723; Apr. 25.

Levy, René L., Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland. Shock absorber provided with a stress limiting device. 2,155,605; Apr. 25.

Lewis, Dunbar W. (See Beebe, Leslie W., assignor.)

Lewis, Miles C. T., San Francisco, Calif. Condiment shaker top. 2,155,606; Apr. 25.

Lewis, William W., Port Washington, N. Y. Supporting apparatus for Venetian blinds. 2,155,944; Apr. 25.

Lewis, William W., Port Washington, N. Y. Cord locking apparatus for Venetian blinds. 2,155,945; Apr. 25.

L'Hollier, Leslie H., Waltham, and F. Wray, assignors to Hood Rubber Company, Inc., Watertown, Mass. Reducing the area of fabrics and making articles therefrom. 2,155,597; Apr. 25.

Lichtenstein, Johann. (See Gistucci, P. X. A., and Lichtenstein.)

Lilly, Eli, and Company. (See Hibbert, George F., assignor.)

Lilly, Eli, and Company. (See Kharasch, M. S., and Legault, assignors.)

Lindberg Engineering Company. (See Stevenson, Cary H., assignor.)

Line Material Company. (See Smythe, Robert L., assignor.)

Link-Belt Company. (See Bryant, J. M., and McAninch, assignors.)

Link-Belt Company. (See Weiss, Charles R., assignor.)

Lippert, Henry E., Pittsburgh, Pa. Fuel distributing apparatus. 2,155,607; Apr. 25.

Lippert, Henry E., Pittsburgh, Pa. Fuel distributing apparatus. 2,155,608; Apr. 25.

Lipschutz, Joseph. (See Ruger Harry C., assignor.)

Lissauer, Adolph W., assignor to Louisville Drying Machinery Co., Incorporated, Louisville, Ky. Method and apparatus for screening wet material. 2,155,764; Apr. 25.

Little, Charles H., assignor of one-tenth to C. H. Little, Cleveland Heights, Ohio. Drafting machine. 2,155,724; Apr. 25.

Little, Charles H. (See Little, Charles H., assignor.)

Little, John A., Minto, Manitoba, Canada. Steel tent peg. 2,156,021; Apr. 25.

Little, John W., Pawtucket, R. I., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Package. 2,155,668; Apr. 25.

Lodge, Frank. (See Knight, A. H., and Lodge.)

Loetscher, Daniel G., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Insecticidal oil spray. 2,155,946; Apr. 25.

Lofdahl, George A., et al. (See Paul, Leonard B., assignor.)

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,155,669; Apr. 25.

Lohausen, Karl A., Berlin-Oberschoneweide, Germany, assignor to General Electric Company. Electric protective device. 2,156,058; Apr. 25.

Lohner, Carl L. (See Hartanov, A. S., and Lohner.)

Lohner, Carl L., assignor to Industrial Patents Corporation, Chicago, Ill. Carcass tongue protector. 2,155,725; Apr. 25.

Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical reducing frame. 2,155,866; Apr. 25.

Lorenz, C., Aktiengesellschaft. (See Baier, O., and Katsch, assignors.)

Lorenz, C., Aktiengesellschaft. (See Brinkmann, Friedrich, assignor.)

Lorenz, C., Aktiengesellschaft. (See Christ, Karl, assignor.)

Lorenz, C., Aktiengesellschaft. (See Holsten, Karl G., assignor.)

Lorenz, C., Aktiengesellschaft. (See Hornung, Heinrich, assignor.)

Lorenz, C., Aktiengesellschaft. (See Milde, Rudolf, assignor.)

Lorenz, C., Aktiengesellschaft. (See Müller, Ernst, assignor.)

Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)

Lorenz, C., Aktiengesellschaft. (See Scheppmann, W., and Wisspeeinter, assignors.)

Louisville Drying Machinery Co. (See Lissauer, Adolph W., assignor.)

Low, Theodore H., New Haven, Conn. Bottle opener. 2,155,947; Apr. 25.

Lowell Air Conditioning Corporation. (See Napier, Melvin J., assignor.)

Lowinger, Eugene, Long Island City, N. Y., assignor, by mesne assignments, to Duolite Letter Corporation. Illuminated sign. 2,155,904; Apr. 25.

Ludington, Charles T., et al. (See Clark, Joseph C., assignor.)

Ludington, Nicholas S., et al. (See Clark, Joseph C., assignor.)

Lumb, Charles F., London, England, assignor to Schori Process Corporation, Long Island City, N. Y. Spraying metals or other materials. 2,155,948; Apr. 25.

Lundene, Otto. (See Reifer, G. M., Procissi, and Lundene.)

Lundquist, Arvid, R. A. Freeman, and W. C. Wieking, assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Web supply mechanism. 2,155,430; Apr. 25.

Lundwall, Albert J., Muskegon, assignor to Campbell Wyant Cannon Foundry Company, Muskegon Heights, Mich. Briquette coating machine. 2,155,500; Apr. 25.

MacAndrews and Forbes Company. (See Houseman, Percy A., assignor.)

Macbeth, Albert C., Seattle, Wash. Control for carburetor idling systems. 2,155,670; Apr. 25.

MacCormac, Rockwell M., Kansas City, Mo. Rotary concentrator. 2,155,432; Apr. 25.

Macdonald, Lester S. (See Standish, J. F., and Macdonald.)

MacGregor, Wallace F., assignor to J. I. Case Company, Racine, Wis. Combination harvester thresher. 2,155,671; Apr. 25.

Machinist, Harold, New York, N. Y., assignor to Dudley Lock Corporation, Chicago, Ill. Cylinder lock. 2,155,726; Apr. 25.

Macnair, Archibald L. (See Barrett, A. M., Macnair, and Ericson.)

Macrae, James N., Rutherford, N. J. Burner. 2,156,121; Apr. 25.

Madison, Martin J., Philadelphia, Pa. Electric switch. 2,155,727; Apr. 25.

Magill, Paul L., Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vapor phase bleaching. 2,155,728; Apr. 25.

Mahlck, Gustave, East Orange, N. J. Producing grooves or channels in dielectric materials. 2,156,156; Apr. 25.

Mahoney, William E., Pawtucket, R. I., assignor to Premier Thread Company. Means and method of treating strands. 2,156,244; Apr. 25.

Maier-Bode, Hans, K. Brodersen, and H. Behncke, Dessau in Anhalt, Germany, assignors to Winthrop Chemical Company, New York, N. Y. Lure for combating rodents. 2,155,949; Apr. 25.

Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,155,672; Apr. 25.

Mainieri, Anthony, Cliffside, assignor to General Woodcraft Co., Inc., North Bergen, N. J. Miter joint. 2,155,729; Apr. 25.

Maiser, Georg L., Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic treating bath. 2,155,501; Apr. 25.

Maki, William, St. Maries, Idaho. Vise. 2,156,186; Apr. 25.

Maloff, Loury G. (See Tolson, W. A., and Maloff.)

Maloney, Raymond T. (See Breitenstein, C. J., and Chouinard, assignors.)

Maloney, Raymond T. (See Nicolaus, Frank G., assignor.)

Malouf, Abraham M., Los Angeles, Calif. Carburetor. 2,155,560; Apr. 25.

Malsch, Henry, et al. (See Fairbank, Franklin N., assignor.)

Manchey, Lessel L., New York, N. Y., assignor to Piedmont Development Corporation, Wilmington, Del. Therapeutic composition. 2,156,254; Apr. 25.

Manifold Supplies Company. (See Hughes, William J., assignor.)

Marczak, Joseph J., generally known as J. J. Martz, Big Point, Miss. Mechanism for use in decorticating fibers. 2,156,122; Apr. 25.

Margolis, Fay. (See Wolfson, Morris, assignor.)

Markey, George T. (See Willett, W. M., and Markey.)

Markham, Ralph, Chicago, Ill. Automatic direction signaling device for vehicles. 2,155,433; Apr. 25.

Markin, Louis, assignor to Alfred Decker & Cohn, Inc., Chicago, Ill. Making garment closures. 2,155,795; Apr. 25.

Marsack, Max, assignor, by mesne assignments, to Marsak Patents Corporation, Milwaukee, Wis. Mattress border forming device. 2,156,059; Apr. 25.

Marsack Patents Corporation. (See Marsack, Max, assignor.)

Marsh, John W., Washington, D. C. Transmission mechanism. 2,155,434; Apr. 25.

Martz, Joseph J. (See Marczak, Joseph J.)

Marvin, John T. (See Matthews, B. L., and Marvin.)

Matthews, Birchard L., Lakewood, and J. T. Marvin, Fairview Village, assignors to The Patrol Valve Company, Cleveland, Ohio. Ignition system and cut-off. 2,155,976; Apr. 25.

Matthews, John G. (See Fetter, C. H., and Matthews.)

Mayner, Stanley, Cleveland, Ohio. Valve control mechanism. (2,155,796; Apr. 25.

Maze, W. H., Company. (See Riedel, Joseph, assignor.)

McAninch, Herbert A. (See Bryant, J. M., and McAninch.)

McClendon, Wallace R., Houston, Tex., and W. D. Owsley, assignors to Halliburton Oil Well Cementing Company, Duncan, Okla. Multiple stage cementing. 2,155,609; Apr. 25.

McCoy, James P. A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Treatment of feed water for boilers and the like. 2,155,435; Apr. 25.

McCreery, George L., and V. E. Campbell, Barberton, and R. Higgins, Wadsworth, assignors to The Ohio Brass Company, Mansfield, Ohio. Ceramic insulating material. 2,155,835; Apr. 25.

McFaul, Warner N., Consecon, Ontario, Canada. Popping buckwheat. 2,156,022; Apr. 25.

McIntyre, Brouwer D., assignor to Monroe Auto Equipment Company, Monroe, Mich. Sway bar. 2,155,867; Apr. 25.

McKay, Angus C., Canberra, Federal Capital Territory, Australia. Hypodermic and other syringes. 2,156,023; Apr. 25.

McMurray, Arthur A., Norristown, Pa., assignor of one-half to R. L. Hectorne, Bridgeton, N. J. Milk cooling cabinet. 2,155,502; Apr. 25.

McNally, James A., U. S. Navy. Optical instrumentality provided with a variable light filter. 2,155,436; Apr. 25.

Melancy, William H., Pittsburgh, Pa. Composite roll. 2,155,610; Apr. 25.

Mead, George A., assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,155,836; Apr. 25.

Mead, Harry L., and J. L. Weaver, Brewster, Fla., assignors to American Cyanamid Company, New York, N. Y. Flotation of phosphate rock. 2,156,245; Apr. 25.

Medved, William, Fairbanks, Alaska. Wire bending and clenching tool. 2,156,187; Apr. 25.

Menachof, Mitchell, Brookville, Ind. Marker. 2,155,992; Apr. 25.

Mengel Body Company (Division of the Mengel Company). (See Green, Warren T., assignor.)

Merck & Co. Inc. (See Roeder, Georg, assignor.)

Mergenthaler Linotype Company. (See Frolander, F. C., and Burt, assignors.)

Meridian, Ltd. (See Morris, Fred E., assignor.)

Metal Mouldings Corporation. (See Chamberlin, C. P., and Toner, assignors.)

Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Door-operated electric switch. 2,155,765; Apr. 25.

Meyer, Hermann, Sr., Hanover, Germany. Vulcanizing apparatus. 2,156,188; Apr. 25.

Meyer, Walter R. (See Groene, W. F., Siekmann, and Meyer.)

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Fan. 2,155,611; Apr. 25.

Mid-States Gummed Paper Company. (See Humphner, Ferdinand W., assignor.)

Miehle Printing Press and Manufacturing Company. (See Wilkinson, William J., assignor.)

Milde, Rudolf, Berlin-Lankwitz, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Reproducing telephonic communications. 2,156,094; Apr. 25.

Millan, Edward N. (See Barnes, H. C., and Millan.)

Millen, Stanley S., Glendale, assignor to J. Schmid, Beverly Hills, Calif. Stripping machine. 2,155,977; Apr. 25.

Miller, Alfred, Orchard Park, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Anthraquinone products and making. 2,155,673; Apr. 25.

Miller, Carroll E., assignor to Cone Automatic Machine Company Inc., Windsor, Vt. Stock controlled mechanism. 2,156,157; Apr. 25.

Miller, Nick J., St. Paul, Minn., assignor to Industrial Patents Corporation, Chicago, Ill. Belly skinning machine. 2,155,730; Apr. 25.

Miller, Pearle N., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,155,503; Apr. 25.

Miner, W. H., Inc. (See Dwyer, William M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Shivers, Paul F., assignor.)

Minneapolis-Moline Power Implement Company. (See Albertson, Victor N., assignor.)

Minneapolis-Moline Power Implement Company. (See Erickson, Nels E., assignor.)

Minneapolis-Moline Power Implement Company. (See Knapp, William E., assignor.)

Minneapolis-Moline Power Implement Company. (See Korsmo, A., and Ronning, assignors.)

Minneapolis-Moline Power Implement Company. (See Parks, O. J., and Ronning, assignors.)

Minneapolis-Moline Power Implement Company. (See Seaholm, John P., assignor.)

Mitchell, August, New York, N. Y., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Cosmetic holder. 2,155,797; Apr. 25.
Mitchell, Harold S., assignor to Industrial Patents Corporation, Chicago, Ill. Paper treatment. 2,155,731; Apr. 25.
Mitin, Mike, assignor of thirty percent to J. Neuvirth, Cleveland, Ohio. Rail joint. 2,156,189; Apr. 25.
Modern Collet & Machine Company. (See Baxendale, S., and Evasic, assignors.)
Modern Equipment Limited. (See Duffield, William A., assignor.)
Modern Equipment Company. (See Goldberg, Max W., assignor.)
Modine Manufacturing Company. (See Arnold, A. B., and Spieth, assignors.)
Modine Manufacturing Company. (See Boerger, Martin G., assignor.)
Molinare, Anthony W., Forest Park, assignor to Dudley Lock Corporation, Chicago, Ill. Permutation padlock. 2,155,732; Apr. 25.
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Monroe Auto Equipment Company. (See McIntyre, Brouwer D., assignor.)
Moore, Theodore, deceased (by C. M. Herr, administrator), and G. E. Nighthart, New Kensington, Pa., assignors to Aluminum Company of America. Tube drawing method. 2,155,437; Apr. 25.
Morgan, John D., South Orange, and T. Anderson, Elizabeth, assignors to Power Patents Company, Hillside, N. J. Brake testing. 2,155,674; Apr. 25.
Morison, George S., assignor, by mesne assignments, to R. D. Christie, Pittsburgh, Pa. Constant-fit bearing. 2,155,766; Apr. 25.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe machine. 2,155,438; Apr. 25.
Morris, Fred E., Vernalis, assignor to Meridian, Ltd., Los Angeles, Calif. Apparatus for arranging fruit halves. 2,155,612; Apr. 25.
Morrison, Willard L., Lake Forest, Ill. Controlling means for cooling systems of internal combustion engines. 2,155,439; Apr. 25.
Motor Improvements, Inc. (See Irwine, R. L., and Kovacs, assignors.)
Mount, Walter M., Tulsa, Okla. Apparatus for demulsifying and settling liquids. 2,156,123; Apr. 25.
Moyle, Clarence L. (See Britton, E. C., and Moyle.)
Mulert, Erika A. (See Schmidt, Wilhelm, assignor.)
Müller, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Ttempelhof, Germany. System for determining positions by radio beacons. 2,156,060; Apr. 25.
Müller, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for determining positions by radio beacons. 2,156,061; Apr. 25.
Mundt, Louis C. (See Layne, L. A., and Mundt.)
Murphy, Harold P., Ridley Park, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Counter-electromotive-force cell. 2,156,222; Apr. 25.
Murphy, P. H., Company, et al. (See Nystrom, Karl F., assignor.)
Murray Corporation of America, The. (See Stemper, Leo N., assignor.)
Myers, Philip B., Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J. Producing pectinlike substances. 2,156,223; Apr. 25.
N. V. Philips' Gloeilampenfabrieken. (See Jonas, Gottfried B., assignor.)
Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande. (See van der Lee, Gerrit.)
Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Controlling apparatus for an internal combustion engine. 2,155,950; Apr. 25.
Napier, Melvin J., Akron, Ohio, assignor to Lowell Air Conditioning Corporation, Philadelphia, Pa. Ozonizer. 2,155,675; Apr. 25.
Napier, Melvin J., Akron, Ohio, assignor to Lowell Air Conditioning Corporation, Philadelphia, Pa. Adjustable ozonizer. 2,155,676; Apr. 25.
National Aniline and Chemical Company. (See Kern, Jean G., assignor.)
National Aniline & Chemical Company. (See Miller, Alfred, assignor.)
National Cash Register Company, The. (See Brand, Samuel, assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
National Supply Company, The. (See Engstrom, Birger, assignor.)
National Tube Company. (See Bannister, Bryant, assignor.)
Negbaur, H., & Co. (See Negbaur, H., and Nyden, assignors.)
Negbaur, Harry, New York, and R. Nyden, Long Island City, assignors to H. Negbaur & Co., Inc., New York, N. Y. Receptacle. 2,155,613; Apr. 25.
Nelson, Talbert G., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,155,993; Apr. 25.
Neugebauer, Wilhelm, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y. Disinfecting means. 2,155,504; Apr. 25.
Neuman, Harry G. (See Neuman, Jacob J. and H. G.)
Neuman, Harold A., Superior, Wis. Attachment for road grader blades. 2,156,190; Apr. 25.
Neuman, Jacob J., Jamaica, and H. G. Neuman, Yorktown Heights; said J. J. Neuman assignor to United States Patent Development and Royalty Company, South Salem, N. Y. Bag filling device. 2,156,224; Apr. 25.
Neuvirth, Julius. (See Mitin, Mike, assignor.)
Neville Company, The. (See Rivkin, Joseph, assignor.)
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
News Projection Corporation. (See Eitzen, August D., assignor.)
Newton, Roy C., and F. L. De Benkelaer, assignors to Industrial Patents Corporation, Chicago, Ill. Gelatin. 2,155,733; Apr. 25.
Nicolai, Fritz. (See Reppe, W., and Nicolai.)
Nicolaus, Frank G., assignor to R. T. Maloney, Chicago, Ill. Coin divider. 2,155,951; Apr. 25.
Nielsen, Niels C., Copenhagen, Denmark. Lock for bicycles. 2,155,994; Apr. 25.
Nighthart, George E. (See Moore, T., and Nighthart.)
Niles-Bement-Pond Company. (See Harten, John J., assignor.)
Northwood Chemical Company. (See Olson, E. T., and Katzen, assignors.)
Northwood Chemical Company. (See Olson, E. T., Katzen, and Plow, assignors.)
Northwood Chemical Company. (See Olson, E. T., and Plow, assignors.)
Norton Company. (See Ridgway, Raymond R., assignor.)
Novotny, Emil E., assignor, by mesne assignments, to Durite Plastics, Incorporated, Philadelphia, Pa. Synthetic resins and nitrogen containing organic compound addition products. 2,156,124; Apr. 25.
Noxon, Elmer W., Webster Groves, and K. E. Garrison, assignors to Ralston Purina Company, St. Louis, Mo. Apparatus for manufacturing a food product. 2,155,952; Apr. 25.
Nyden, Robert. (See Negbauer, H., and Nyden.)
Nyland, John A., Flint, assignor to General Motors Corporation, Detroit, Mich. Propeller shaft mounting. 2,155,953; Apr. 25.
Nystrom, Karl F., Milwaukee, Wis., assignor, by mesne assignments, of one-half to P. H. Murphy Company, New Kensington, Pa., and one-half to Standard Railway Equipment Manufacturing Company. Car roof. 2,155,677; Apr. 25.
Odenbaugh, Edward D., Jr. (See Rihn, E. D., and Odenbaugh.)
Oberstadt, Peter B. (See von Oberstadt, Peter-Franz G. B.)
O'Brien, Patrick J., Yeadon, Pa. Electric switch. 2,156,024; Apr. 25.
Ohio Brass Company, The. (See McCreery, G. L., Campbell, and Higgins, assignors.)
Ohio Brass Company, The. (See Mead, George A., assignor.)
Ohio Brass Company, The. (See Rorden, Harold L., assignor.)
Ohio Brass Company, The. (See Smith, William A., assignor.)
Ohio Brass Company, The. (See Taylor, John J., assignor.)
Oldham, John M. (See Young, L. A., and Oldham.)
Olson, Edgar T., Marquette, Mich., and R. Katzen, assignors to Northwood Chemical Company, Phelps, Wis. Distilling tar. 2,156,158; Apr. 25.
Olson, Edgar T., Marquette, Mich., R. Katzen, and R. H. Plow, assignors to Northwood Chemical Company, Phelps, Wis. Making lignin. 2,156,159; Apr. 25.
Olson, Edgar T., Marquette, Mich., and R. H. Plow, assignors to Northwood Chemical Company, Phelps, Wis. Lignin molding compound. 2,156,160; Apr. 25.
Olson, Phillip W., assignor to Automatic Instrument Company, Grand Rapids, Mich. Lock. 2,155,440; Apr. 25.
Olson, Phillip W., assignor to Automatic Instrument Company, Grand Rapids, Mich. Lock tumbler. 2,155,734; Apr. 25.
O'Meara, Allan K., New York, N. Y. Reading stand. 2,156,225; Apr. 25.
Onifrey, Peter P., Winnipeg, Manitoba, Canada. Cigarette filter. 2,155,798; Apr. 25.
Oosterhout, Johan C. D., Porth Arthur, Tex., assignor to The Texas Company, New York, N. Y. Motor fuel. 2,155,678; Apr. 25.
Oppenheimer, Josef. (See Planer, Victor, assignor.)
Osborne, Bruce, Detroit, Mich., assignor to N. H. Gerlach, as trustee. Towel. 2,155,441; Apr. 25.
Osterberg, Eric. (See Pauly, R., and Osterberg.)
Owens, Robert H., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Sealing device. 2,156,161; Apr. 25.
Owsley, William D. (See McClendon, W. R., and Owsley.)
Pacific Coast Borax Company. (See Connell, G. A., and Rasor, assignors.)
Pacific Manifolding Book Company. (See Blitz, Otto, assignor.)
Pacific Pump Works. (See Hudson, Frank M., assignor.)

Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Miller, Pearle N., assignor.)
Paffen, Fred W., Forest Hills, N. Y., assignor to Celanese Corporation of America. Yarn holder. 2,155,505; Apr. 25.
Parkhurst, Douglas L., Chevy Chase, Md., assignor to the Government of the United States, as represented by the Secretary of Commerce and his successors in office. Sampling a liquid. 2,155,442; Apr. 25.
Parks, Orville J., Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Planter. 2,155,443; Apr. 25.
Parks, Orville J., Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Feed mechanism for planters. 2,155,735; Apr. 25.
Parr, Bernard F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric roaster. 2,156,215; Apr. 25.
Parsons, Clinton H., assignor to Industrial Patents Corporation, Chicago, Ill. Cheese package. 2,155,736; Apr. 25.
Patrol Valve Company, The. (See Matthews, B. L., and Marvin, assignors.)
Patterson, John V., Pittsburgh, Pa. Building unit. 2,155,709; Apr. 25.
Paul, Alice O., et al. (See Paul, Leonard B., assignor.)
Paul, Leonard B., assignor of one-third to G. A. Lofdahl, one-third to A. O. Paul, and one-third to W. Janke, Joliet, Ill. Support. 2,156,025; Apr. 25.
Pauly, Remigius, and E. Osterberg, Chicago, Ill. Dishwashing machine. 2,155,868; Apr. 25.
Pavitt, William H., Bronxville, assignor to A. J. Wilputte, New Rochelle, N. Y. Underfired regenerative coke oven. 2,155,954; Apr. 25.
Payne, Clarence Q., Stamford, Conn. Wet magnetic separation. 2,156,125; Apr. 25.
Payne, Rufus C., Chicago, Ill. Engine packing. 2,156,227; Apr. 25.
Pearson, Frank C., Flint, assignor to General Motors Corporation, Detroit, Mich. Wheel bolt. 2,155,869; Apr. 25.
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company Inc., New York, N. Y. Side seam for sheet metal can bodies. 2,156,026; Apr. 25.
Pease, Anthony Equipment Company. (See Anthony, Alfred W., Jr., assignor.)
Penick, Arthur J. and K. T., Houston, Tex. Blow-out preventer. 2,155,837; Apr. 25.
Penick, Kirby T. (See Penick, Arthur J. and K. T.)
Pennsylvania Crusher Company. (See Battey, William A., assignor.)
Pennsylvania Crusher Company. (See Hartshorn, Stanley D., assignor.)
Perazo, Peter L., Oakland, Calif. Sprue-forming device. 2,155,800; Apr. 25.
Permutit Company, The. (See Bowers, H. L., and Brice, assignors.)
Perrin, Jay C., Los Angeles, and P. L. Geer, Berkeley, Calif.; said Geer assignor to said Perrin. Towel dispenser. 2,155,679; Apr. 25.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Directive antenna system. 2,155,955; Apr. 25.
Petskeyes, Charles H., Bettendorf, and A. F. Uchtorff, Davenport, Iowa. Cooling apparatus for bread wrapping machines. 2,155,614; Apr. 25.
Pfannekuchen, Ernst, Dusseldorf, Germany. Stage device for conjuring representations. 2,155,767; Apr. 25.
Pfauter, Michael, Chemnitz, Germany. Rotary table for machine tools. 2,155,680; Apr. 25.
Pfening, Fred D., Company, The. (See Pfening, F. D., and Conklin, assignors.)
Pfening, Frederic D., and M. Conklin, assignors to The Fred D. Pfening Company, Columbus, Ohio. Air conditioning apparatus. 2,156,162; Apr. 25.
Pflasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,155,870; Apr. 25.
Phipps, John T., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Gun perforator. 2,156,228; Apr. 25.
Pickard, Greenleaf W., Seabrook Beach, N. H., assignor to Radio Corporation of America. Direction finding system. 2,155,838; Apr. 25.
Piedmont Development Corporation. (See Manchey, Lessel L., assignor.)
Piedmont Development Corporation. (See Wright, John H., assignor.)
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Venetian blind. 2,156,163; Apr. 25.
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Core member. 2,156,164; Apr. 25.
Pike, Ralph H., Kalispell, Mont. Firearm. 2,156,191; Apr. 25.
Piker, Louis M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Metal receptacle. 2,155,871; Apr. 25.
Pioneer Instrument Company. (See Doyle, Harvey, assignor.)
Pittenger, Paul S., and J. W. Jester, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Hexylresorcinol capsule. 2,155,444; Apr. 25.
Pittenger, Paul S., and J. W. Jester, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Manufacture of hexylresorcinol capsules. 2,155,445; Apr. 25.
Plaistowe, Donald L. (See Kemp, R. J., and Plaistowe.)
Planer, Victor, Paris, France, assignor of fifty percent to J. Oppenheimer, New York, N. Y. Portable apparatus for making iced bodies. 2,155,956; Apr. 25.
Plow, Richard H. (See Olson, Edgar T., Katzen, and Plow.)
Plow, Richard H. (See Olson, E. T., and Plow.)
Plüschke, Jorge, Mexico, D. F., Mexico. Plant for working mercury ores. 2,156,192; Apr. 25.
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Polk, R., Jr.)
Polk, Ralph, Sr., Tampa, and R. Polk, Jr., Haines City, Fla. Apparatus for forming segment-apex cavities in citrus fruits. 2,155,768; Apr. 25.
Pomeranz, Jacob J. (See Tanasso, V., and Pomeranz.)
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Reel. 2,155,769; Apr. 25.
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Reel drum. 2,155,770; Apr. 25.
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Control for the unreeling of coiled material from drums. 2,155,771; Apr. 25.
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Shelf and receptacle. 2,155,772; Apr. 25.
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Strap holding and guiding clip. 2,155,773; Apr. 25.
Porter, Howard C., assignor to Signode Steel Strapping Company, Chicago, Ill. Tensioning tool. 2,156,062; Apr. 25.
Postal Telegraph-Cable Company (New York). (See Dalton, Harold R., assignor.)
Power Patents Company. (See Morgan, J. D., and Anderson, assignors.)
Preble, Andrew Y., El Centro, Calif. Building concrete structures. 2,156,027; Apr. 25.
Precision Casting Company. (See During, William J., assignor.)
Premier Thread Company. (See Mahoney, William E., assignor.)
Preston, Neil D., and C. S. Bushnell, assignors to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,155,561; Apr. 25.
Price, Arthur E. (See Graham, G. M., and Price.)
Price, Arthur E., assignor to Hinckley-Myers Company, Jackson, Mich. Differential pinion gauge. 2,155,562; Apr. 25.
Price, Ralph E., assignor to Landis Tool Company, Waynesboro, Pa. Automatic positive stop for rotating spindles. 2,155,681; Apr. 25.
Pride, Jason N., Windham Center, assignor of one-half to H. L. Cheney and one-fourth to J. A. Taylor, Portland, Maine. Weed-pulling appliance. 2,155,839; Apr. 25.
Procissi, Paul S. (See Reifer, G. M., and Lundene.)
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Prondecki, Edwin, Turners Falls, Mass. Ice creeper. 2,155,979; Apr. 25.
Protectoseal Company of America, Inc. (See Anschicks, Rudolph J., assignor.)
Protz, Hugo E., La Crosse, Wis. Insert for shoe heels. 2,155,905; Apr. 25.
Puetzer, Bruno, Albany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Antiseptic, disinfecting, and preserving media. 2,156,193; Apr. 25.
Punte, William F., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Side seam for sheet metal can bodies. 2,156,028; Apr. 23.
Pure Oil Company, The. (See Carr, Richard H.)
Pure Oil Company, The. (See Wagner, C. R., and Raine, assignors.)
Rabuteau, Guy, and G. P. Chevigny, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Electron discharge device provided with a cooling jacket. 2,156,063; Apr. 25.
Radio Corporation of America. (See Braden, Rene A., assignor.)
Radio Corporation of America. (See Burt, Alexander D., assignor.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See George, Douglas F., assignor.)
Radio Corporation of America. (See Kemp, R. J., and Plaistowe, assignors.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Pickard, Greenleaf W., assignor.)
Radio Corporation of America. (See Reinartz, John L., assignor.)
Radio Corporation of America. (See Serrell, Robert, assignor.)
Radio Corporation of America. (See Tolson, W. A., and Maloff, assignors.)

Radio Corporation of America. (See Wehner, John M., assignor.)
Ragsdale, Earl J. W., Norristown, and J. F. Clary, Bala-Cynwyd, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Sleeping car. 2,156,229; Apr. 25.
Raine, Warren A. (See Wagner, C. R., and Raine.)
Ralston Purina Company. (See Noxon, E. W., and Garrison, assignors.)
Ranney, Roy W., Mendota, Ill. Combined street light and sign structure. 2,156,194; Apr. 25.
Rasor, John P. (See Connell, G. A., and Rasor.)
Redler Conveyor Company. (See Sinden, Alfred D., assignor.)
Reichelt, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable forming apparatus. 2,155,980; Apr. 25.
Reifer, George M., Rochester, and P. S. Procissi and O. Lundene, Flint, assignors to General Motors Corporation, Detroit, Mich. Freight car loading apparatus. 2,155,872; Apr. 25.
Rein, Hanns. (See Elserhut, O., Rein, and Kaupp.)
Reinberg, Gustave. (See Harper, T. E., Jr., and Reinberg.)
Reinartz, John L., Manchester, Conn., assignor to Radio Corporation of America. Controlled carrier modulation. 2,155,506; Apr. 25.
Reiter, Daniel I., New York, N. Y. Connector for bag straps and the like. 2,155,801; Apr. 25.
Rendall, Harold G. (See Jahn, H. W., and Rendall.)
Reppe, Walter, and F. Nicolai, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of condensation products from hydrogen sulphide and acetylene. 2,156,095; Apr. 25.
Republic Steel Corporation. (See Kahn, J., and Schulz, assignors.)
Resh, Daniel, Charleston, W. Va. Glass cutter. 2,155,802; Apr. 25.
Riblet, Robert M. (See Wooler, E., and Riblet.)
Rice, Charles D., West Hartford, Conn. Articulated train. 2,155,615; Apr. 25.
Rice, Chester W., Schenectady, N. Y., assignor to General Electric Company. High frequency oscillator. 2,156,029; Apr. 25.
Richards, John R., Oak Park, Ill. Dog exercising device. 2,155,684; Apr. 25.
Richards-Wilcox Manufacturing Company. (See Brown, Ernest V., assignor.)
Rider, Morris, assignor of forty-five per cent to J. H. Tregoning, Detroit, Mich. Golf tee. 2,155,803; Apr. 25.
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Making abrasive metal carbides. 2,155,682; Apr. 25.
Rieber, Frank, Los Angeles, Calif., assignor of one-half to Continental Oil Company. Wave record analyzer. 2,155,507; Apr. 25.
Riedel, Joseph, assignor to W. H. Maze Company, Peru, Ill. Glazing hammer. 2,155,683; Apr. 25.
Rihn, Edward D., Ford City, and E. D. Odenbaugh, Jr., Wilkinsburg, Pa., assignor, by mesne assignments, to C. E. Gross. Vulcanizer. 2,155,906; Apr. 25.
Riley, Reginald H. J. (See Addy, C. W., and Riley.)
Rilling-Arnao Company. (See Rilling, Paul C., assignor.)
Rilling, Paul C., assignor to Rilling-Arnao Company, Minneapolis, Minn. Heater for permanent wave apparatus. 2,155,616; Apr. 25.
Rivkin, Joseph, Pittsburgh, Pa., assignor to The Neville Company. Resin production. 2,156,126; Apr. 25.
Roan, Carl M., O. E. Kaupang, and A. W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co. Direction turn indicator for vehicles. 2,155,617; Apr. 25.
Robb, John F., Cleveland Heights, Ohio. Machine for making frozen confections or the like. 2,155,990; Apr. 25.
Roberts, Bernard, Auckland, New Zealand. Display sign. 2,155,618; Apr. 25.
Roberts, Charles, assignor, by mesne assignments, to Advertising Machines Corporation, New York, N. Y. Display device. 2,155,619; Apr. 25.
Roberts, Glyn P., Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,156,127; Apr. 25.
Robillard, Levis, Houston, Tex. Clamp. 2,156,195; Apr. 25.
Robinson, Lawrence R., Zellenople, Pa., assignor to United Combustion Corporation, Cleveland, Ohio. Furnace structure. 2,155,774; Apr. 25.
Robinson, Manual G., Glen Ridge, N. J., assignor to General Electric Company. Refrigerating machine. 2,156,096; Apr. 25.
Roeder, Georg, assignor to Merck & Co. Inc., Rahway, N. J. Production of β-methylcholine ethers and salts thereof. 2,155,446; Apr. 25.
Roh, Nikolaus. (See Winter, C., Roh, Wolff, and Schaefer.)
Roh, Nikolaus, Ludwigshafen-on-the-Rhine, P. Wolff, and G. Schäfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Polymethine dyestuffs and making same. 2,155,447; Apr. 25.
Rohlen, Arthur W. (See Roan, C. M., Kaupang, and Rohlen.)
Rohlin, Victor A. (See Kittredge, A. E., and Rohlin.)
Röhm & Haas Company. (See Andrews, C. E., and Fenske, assignors.)
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Rollocurl Corporation. (See Schlicker, Herman C., assignor.)
Romanoski, Joseph E., Huntington, N. Y. Vending machine. 2,156,196; Apr. 25.
Ronci, Victor L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic discharge device. 2,156,064; Apr. 25.
Ronning Martin. (See Korsmo, A., and Ronning.)
Ronning, Martin. (See Parks, O. J., and Ronning.)
Roosenstein, Hans O. (See Gothe, A., Roosenstein, and Walter.)
Roots-Connersville Blower Corporation. (See Owens, Robert H., assignor.)
Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Electrical transformer. 2,155,840; Apr. 25.
Rorden, Harold L., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Protective gap. 2,155,841; Apr. 25.
Rossander, Swanie S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,155,685; Apr. 25.
Rothrock, Ralph K. (See Thurber, Edward J., assignor.)
Royer, Jesse R., Janesville, Iowa. Sweeping machine. 2,156,065; Apr. 25.
Royer, Jesse R., Janesville, and A. W. Blaine and L. R. Weir, Des Moines, Iowa. Ice removing device. 2,156,066; Apr. 25.
Rubin, Frederick W., Indianapolis, Ind. Reinforcement for handles and the like. 2,155,804; Apr. 25.
Rubinstein, Harry W., assignor to Globe-Union Inc., Milwaukee, Wis. Control device. 2,156,067; Apr. 25.
Ruckel, Erwin, Richmond Hill, assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitting hosiery. 2,155,686; Apr. 25.
Ruen, Henry C., assignor to Cleaners Hanger Company, Detroit, Mich. Garment hanger cover. 2,155,737; Apr. 25.
Rufus, Otto B., assignor, by mesne assignments, to The Lathrop-Paulson Company, Chicago, Ill. Clutch. 2,156,030; Apr. 25.
Ruger, Harry C., assignor of one-half to J. Lipschutz, New York, N. Y. Watch. 2,155,842; Apr. 25.
Rumrill, Hamilton, Hillsboro, N. H. Marking apparatus. 2,156,197; Apr. 25.
Ruppert, Bernhard, Greenwich, Conn. Humidifier. 2,155,805; Apr. 25.
Russell, William J., and K. L. Woodman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Broiler and fryer unit. 2,156,216; Apr. 25.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Color-stable phenolic resin and making same and varnish containing same. 2,155,907; Apr. 25.
Ruth, John H., Brooklyn, N. Y. Device for determining the genuineness of bank notes, etc. 2,155,957; Apr. 25.
Ruttenauer, Alfred, and O. Fritze, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp. 2,156,068; Apr. 25.
Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Mounting for robe cords. 2,155,738; Apr. 25.
Rykaczlewski, John A., et al. (See Zavarella, Raphael, assignor.)
Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Double ironing table. 2,156,246; Apr. 25.
Saginaw Manufacturing Company. (See Sadenwater, Charles W., assignor.)
Saint, Winford W., Piedmont, Calif. Display cover for boxes. 2,155,996; Apr. 25.
Salemi, Leoluca. (See di Giacomo, V., and Salemi.)
Sallmann, Richard. (See Graenacher, C., and Sallmann.)
Salmon, Reginald D., assignor to Creed and Company, Limited, Croyden, England. Ciphering and deciphering mechanism. 2,156,097; Apr. 25.
Samonds, Leslie, Chicago, Ill. Concrete step mold. 2,155,908; Apr. 25.
Sapp, John, Republic, Pa. Internal combustion engine. 2,155,775; Apr. 25.
Sardik Incorporated. (See Myers, Philip B., assignor.)
Scaramucci, Domer, Norman, assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Measuring line equipment. 2,155,620; Apr. 25.
Schaefer, Gustav. (See Winter, C. Roh, Wolff, and Schaefer.)
Schaeffer, Edward G., Holyoke, Mass., assignor to American Character Doll Co. Inc., New York, N. Y. Doll. 2,155,448; Apr. 25.
Schäfer, Gustav. (See Roh, N., Wolff, and Schäfer.)
Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio. Safety manual and power spindle drive. 2,155,687; Apr. 25.
Schelkunoff, Sergi A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide impedance element and network. 2,155,508; Apr. 25.
Scheppmann, Wilhelm, Berlin-Neutempelhof, and C. Wisspeintner, Berlin-Charlottenburg, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Transmitting characters. 2,156,098; Apr. 25.

Scheppmann, Wilhelm, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Condenser. 2,156,099; Apr. 25.
Scherbatskoy, Serge A., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Seismic Prospecting. 2,156,198; Apr. 25.
Scherer, Henry W., et al. (See Sherman, Valentine, assignor.)
Schippel, Henry F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wheel and tire assembly. 2,155,564; Apr. 25.
Schlack, Paul, Berlin-Treptow, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Dyeing artificial textile materials from cellulose derivatives. 2,156,069; Apr. 25.
Schlegel Manufacturing Company. (See Rydquist, Adolph, assignor.)
Schlesinger, Harry. (See Yoerg, Alfred F., assignor.)
Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hairdressing tool. 2,156,255; Apr. 25.
Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hairdressing tool. 2,156,256; Apr. 25.
Schliemann, Heinrich. (See Augustin, E., Fügmann, Klein, Schliemann, and Herrmann.)
Schmid, Julius. (See Millen, Stanley S., assignor.)
Schmidt, Alfred, Weehawken, N. J. Shell assembling machine. 2,155,958; Apr. 25.
Schmidt, Erwin J. (See Freedlander, A. L., and Schmidt.)
Schmidt, Otto W., assignor, by mesne assignments, to M. W. Borders, Jr., Kansas City, Mo. Composition to increase the efficiency of internal combustion engines. 2,155,981; Apr. 25.
Schmidt, Richard W., Redondo Beach, assignor to The Evanston Company, Los Angeles, Calif. Purifying milk. 2,155,843; Apr. 25.
Schmidt, Wilhelm, Berlin-Schmargendorf, Germany, assignor to E. A. Mulert, New York, N. Y. Kaleidscopic device. 2,155,563; Apr. 25.
Schmidt, Wilhelm, Berlin–Schmargendorf, Germany, assignor to E. A. Mulert, New York, N. Y. Pattern for kaleidoscopic device. 2,155,565; Apr. 25.
Schnitzler, Erwin. (See Dachlauer, K., and Schnitzler.)
Schori Process Corporation. (See Lumb, Charles F., assignor.)
Schering Aktiengesellschaft. (See Binz, A., and von Schickh, assignors.)
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electro-optical signaling. 2,155,509; Apr. 25.
Schubel, Donald C., Port Huron, assignor to Bert Easton, Brighton, Mich. Shipping crate. 2,155,688; Apr. 25.
Scully, Cornelius D., et al. (See Zavarella, Raphael, assignor.)
Schulz, Walter F. (See Kahn, J., and Schulz.)
Schur, Nick P., Cleveland, Ohio. Trousers hanger. 2,156,031; Apr. 25.
Scientific Traffic Controls, Inc. (See Hunter, Ralph W., assignor.)
Scophony Limited. (See Jeffree, John H., assignor.)
Scott, Lewis L. (See Shepperd, William B., assignor.)
Scott, Robert E., New York, N. Y., assignor to H. F. Boeger, West Los Angeles, Calif. Valve for brake systems. 2,155,873; Apr. 25.
Scovill Manufacturing Company. (See Donahue, Patrick F., assignor.)
Seaholm, John P., Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Scraper mounting for disk plows. 2,155,739; Apr. 25.
Seaman, Ellsworth F., Washington, D. C. Self-luminous article. 2,155,449; Apr. 25.
Sears, Howard, et al. (See Fairbank, Franklin N., assignor.)
Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 2,155,566; Apr. 25.
Seemel, Bruno E., Brooklyn, assignor to Automatic Coin-wrapping Machine Corporation, New York, N. Y. Coin machinery. 2,155,982; Apr. 25.
Seibold, Ernst, Heidenheim, Germany. Braking mechanism for rail vehicles. 2,155,740; Apr. 25.
Sells, Neal S., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Container handling apparatus. 2,155,983; Apr. 25.
Senauke, Alexander, New York, assignor to Ampere X Electronic Products, Inc., Brooklyn, N. Y. Oscillation generating system. 2,156,230; Apr. 25.
Senger, Cyrus D., South Whitley, Ind. Duplicator. 2,155,909; Apr. 25.
Serrell, Robert, Haddonfield, N. J., assignor to Radio Corporation of America. Magnetron amplifier. 2,155,844; Apr. 25.
Severy, Melvin L., Los Angeles, Calif., assignor to The Vocalsevro Company of Chicago, Chicago, Ill. Apparatus for producing music synthetically. 2,155,741; Apr. 25.
Severy, Victor H., La Grange, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Container spout. 2,155,910; Apr. 25.
Seybold, Frederick W., Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Delivery table mechanism for printing presses. 2,156,032; Apr. 25.
Shaff, Ernest H., Grand Haven, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,156,128; Apr. 25.
Shanahan, Charles J., et al. (See Fairbank, Franklin N., assignor.)
Shanley, William C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Air inlet device for flush valves. 2,155,845; Apr. 25.
Sharp & Dohme, Incorporated. (See Pittenger, P. S., and Jester, assignors.)
Shaw, William A., Denver, Colo. Air cleaner. 2,155,911; Apr. 25.
Sheehy, Thomas P., et al. (See Thornton, Albert A., assignor.)
Shepherd, Emmett A. (See Alpha, D. W., and Shepherd.)
Shepherd, Thomas L., London, England. Rubber process and product. 2,155,621; Apr. 25.
Shepperd, William B., assignor to L. L. Scott, St. Louis, Mo. Air conditioning system. 2,155,510; Apr. 25.
Sherman, Valentine, assignor of one-third to E. W. Thoma and one-third to W. H. Scherer, Houston, Tex. Switch. 2,155,689; Apr. 25.
Sherrick, Jess C., Columbus, Ohio. Water heater. 2,155,567; Apr. 25.
Shivers, Paul F., Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,155,984; Apr. 25.
Shoemaker, Louis A., Carleton, Mich. Chick box. 2,155,450; Apr. 25.
Siekmann, Harold J. (See Groene, W. F., Siekmann, and Meyer.)
Siev, Joshua and Leon. (See Siev, Leon, assignor.)
Siev, Leon, Brooklyn, N. Y., assignor to the copartnership of Joshua and Leon Siev. Fixture for extension leaf tables. 2,156,044; Apr. 25.
Signode Steel Strapping Company. (See Porter, Howard C., assignor.)
Signode Steel Strapping Company. (See Porter, Howard C., assignor.)
Simjian, Luther G., New Haven, Conn. Apparatus for developing photographic prints. 2,155,511; Apr. 25.
Simons, Francis L., Montclair, N. J. Planographic printing plate and making the same. 2,156,100; Apr. 25.
Simpson, Andrew, Seattle, Wash. Holding bed covers. 2,155,690; Apr. 25.
Sims, William O., Niagara Falls, N. Y., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Box stitcher. 2,156,165; Apr. 25.
Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,155,874; Apr. 25.
Singer Manufacturing Company, The. (See Wesson, George W., assignor.)
Sloan, James W., assignor to International Supply Company, Tulsa, Okla. Reverse clutch mechanism. 2,156,033; Apr. 25.
Smith, Charles H., Cleveland, Ohio. Manhole cover. 2,156,166; Apr. 25.
Smith, Forest G., assignor to The Central Ohio Conveyor Company, Columbus, Ohio. Machine for cutting ice cakes into cubes. 2,156,247; Apr. 25.
Smith, John P., Jr., Ridgewood, assignor to The Daven Company, Newark, N. J. Electrical indicator. 2,156,199; Apr. 25.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Landon P. (See Wyman, Guy C., assignor.)
Smith, Stuyvesant C., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,156,129; Apr. 25.
Smith, William A., Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,155,846; Apr. 25.
Smith, William P., London, England. Compositions for fluid transmission of power. 2,156,130; Apr. 25.
Smyers, Norman B., Brea, Calif. Machine handle. 2,156,200; Apr. 25.
Smythe, Robert L., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Repeating cut-out constructions. 2,155,959; Apr. 25.
Snipes, Willie E., Sr., Charleston, S. C. Refrigerator. 2,156,201; Apr. 25.
Snow, Herbert C., et al. (See Dooley, Delmar D., assignor.)
Snyder, Floyd C., and G. C. Brown, Massillon, assignors to Akron Automatic Machine Company, Akron, Ohio. Riveting machine. 2,156,167; Apr. 25.
Societe Generale des Carburateurs Zenith. (See Gistucci, P. X. A., and Lichtenstein, assignors.)
Société d'Inventions Aeronautiques et Mécaniques S. I. A. M. (See Levy, René L., assignor.)
Societe Generale des Carburateurs Zenith. (See Thieulin, Maurice C. P., assignor.)
Society for Savings in the City of Cleveland. (See Lee, Harley C., assignor.)
Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)
Society of Chemical Industry in Basle. (See Graehacher, C., and Sallmann, assignors.)
Spanier, Walter, Brussels, Belgium. Lay figure for displaying fabrics in the form of garments. 2,155,622; Apr. 25.
Spencer Aircraft Motors, Inc. (See Spencer, Louis R., assignor.)

Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Airplane engine. 2,156,202; Apr. 25.
Spencer, Louis R., West Hartford, assignor to Spencer Aircraft Motors, Inc., Hartford, Conn. Multicylinder engine. 2,156,203; Apr. 25.
Sperber, Benjamin H., Brooklyn, N. Y. Multifocal eyeglass frame. 2,155,806; Apr. 25.
Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)
Sperry Gyroscope Company. (See Kenyon, T. W., Zand, and Carlson, assignors.)
Spieth, Benjamin. (See Arnold, A. B., and Spieth.)
Spokane Casket Company. (See Stimson, Arthur J., assignor.)
Sprigings, David A., assignor to Standard Container, Inc., Bloomfield, N. J. Spraying device. 2,155,847; Apr. 25.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Bolster spring unit. 2,155,451; Apr. 25.
Stam, Jesse, Cambridge, assignor to Fairclough & Gold, Inc., Boston, Mass. Curtain. 2,156,231; Apr. 25.
Standard Container, Inc. (See Sprigings, David A., assignor.)
Standard Mailing Machines Company. (See Storck, Frederick W., assignor.)
Standard Oil Company. (See Anderson, John A., assignor.)
Standard Oil Company. (See Bachi, John, assignor.)
Standard Oil Company. (See Loetscher, Daniel G., assignor.)
Standard Process Corporation. (See Ballard, Ernest S., assignor.)
Standard Railway Equipment Manufacturing Company, et al. (See Nystrom, Karl F., assignor.)
Standard Railway Equipment Manufacturing Company. (See Thompson, William D., assignor.)
Standard Stoker Company, The. (See Davison, Charles R., assignor.)
Standard Stoker Company, The. (See Kress, Joseph J., assignor.)
Standard Stoker Company, The. (See Surdy, Charles J., assignor.)
Standish, John F., Winthrop, and L. S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Fastening-distributing mechanism. 2,155,568; Apr. 25.
Stanolind Oil and Gas Company. (See Bays, George S., assignor.)
Stanolind Oil & Gas Company. (See Dunn, Thomas H., assignor.)
Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Compression ignition engine. 2,155,776; Apr. 25.
Stator Corporation. (See Whitney, Lyman F., assignor.)
Steffen, Jacob, St. Matthews, Ky. Braille writer. 2,155,777; Apr. 25.
Steizer, Frank E., Lynbrook, N. Y. Pump. 2,155,452; Apr. 25.
Stemper, Leo N., Detroit, Mich., assignor to The Murray Corporation of America. Preparing padding for inner trim panels. 2,155,875; Apr. 25.
Sterling, Gordon H., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, Chicago, Ill. Typewriting machine. 2,155,997; Apr. 25.
Stern, Georg, Neckargemund, and W. Friedrichsen, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of tertiary olefins from gas mixtures. 2,156,070; Apr. 25.
Stetzer, Theodore B., Chicago, Ill. Utility cabinet. 2,156,131; Apr. 25.
Stevenson, Cary H., assignor to Lindberg Engineering Company, Chicago, Ill. Tubular heating element for furnaces or the like. 2,155,691; Apr. 25.
Stimson, Arthur J., assignor to Spokane Casket Company, Spokane, Wash. Output control for amplifier systems. 2,155,807; Apr. 25.
Stolze, George, Wausau, Wis. Dipping machine. 2,156,204; Apr. 25.
Stone, Robert L. (See Greaves-Walker, A. F., and Stone.)
Storck, Frederick W., Arlington, assignor to Standard Mailing Machines Company, Everett, Mass. Duplicator. 2,155,692; Apr. 25.
Stout Engineering Laboratories, Inc. (See Stout, William B., assignor.)
Stout, John C. (See Graves, C. R., and Stout.)
Stout, William B., Detroit, assignor, by mesne assignments, to Stout Engineering Laboratories, Inc., Dearborn, Mich. Portable building structure. 2,155,876; Apr. 25.
Stowell, Harold T. (See Kerschbaum, Friedrich P., assignor.)
Stratton, Edwin T., Memphis, Tenn. (Bulb and battery tester. 2,155,778; Apr. 25.
Strause, Harry, Philadelphia, Pa. Toaster for electric ranges. 2,155,623; Apr. 25.
Strouse, George C., East Aurora, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur dyes from hydrozy-diarylamines. 2,156,071; Apr. 25.
Studebaker Corporation, The. (See Jaskey, Leo L., assignor.)
Stuntz, Chauncey R., Seattle, Wash. Preparing fruit products. 2,155,453; Apr. 25.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Süddeutsche Apparate-Fabrik G. m. b. H. (See Geisler, O., and Herrmann, assignors.)
Sundstrand, Oscar J., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Keyboard for power-driven writing machines. 2,155,998; Apr. 25.
Surdy, Charles J., Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,155,624; Apr. 25.
Swanson, Albert R. and R. L., Chicago, Ill. Collapsible clothesrack. 2,155,742; Apr. 25.
Swanson, Reuben L. (See Swanson, Albert R. and R. L.)
Swebillus, Carl G., Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company. Pump-action firearm. 2,155,512; Apr. 25.
Swenson, Gustave A., Champaign, Ill. Game apparatus. 2,155,912; Apr. 25.
Swetman, Harold D., Gulfport, Miss. Gate latch. 2,155,808; Apr. 25.
Swift, Harvey C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,156,205; Apr. 25.
Symington-Gould Corporation, The. (See Kadel, B. W., and Barrows, assignors.)
Takahashi, Benjamin M., Harlowton, Mont. Trousers guard. 2,156,206; Apr. 25.
Tampier, René, Boulogne-sur-Seine, France. Hinge mechanism for the moving or control surfaces of aircraft. 2,155,513; Apr. 25.
Tanasso, Vincent, Harrison, and J. J. Pomeranz, Brooklyn, N. Y. Ophthalmic mounting. 2,155,693; Apr. 25.
Taylor, James A., et al. (See Pride, Jason N., assignor.)
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,155,848; Apr. 25.
Technical Oil Tool Corporation. (See Jones, Harry H., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, A., Roosenstein, and Walter, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Teleregister Corporation, The. (See Haselton, M. L., and Hicks, assignors.)
Temple, Robert M., Philadelphia, Pa. Dough mixing apparatus. 2,155,454; Apr. 25.
Tench, Frederick, White Plains, N. Y., assignor to L. T. Corporation. Grating. 2,155,694; Apr. 25.
Tensfeldt, Ernst. (See von Kintzel, Georg, assignor.)
Terrill, James E., Joinerville, Tex. Apparatus for washing and cementing oil wells. 2,156,207; Apr. 25.
Terry, George, Omaha, Nebr., assignor to Industrial Patents Corporation, Chicago, Ill. Tongue protector. 2,155,743; Apr. 25.
Texas Company, The. (See Evans, Louis P., assignor.)
Texas Company, The. (See Evans, L. P., and Gross, assignors.)
Texas Company, The. (See Kemp, Lebbeus S., assignor.)
Texas Company, The. (See Oosterhout, John C. D., assignor.)
Thieulin, Maurice C. P., Paris, assignor to Societe Generale des Carburateurs Zenith, Levallois-Perret, France. Carburetor. 2,156,132; Apr. 25.
Thoma, Earl W., et al. (See Sherman, Valentine, assignor.)
Thoma, Hanns, Karlsruhe, Germany. Hydraulic motor and pump. 2,155,455; Apr. 25.
Thomas, Bertram D., assignor to Battelle Memorial Institute, Columbus, Ohio. Concentrating materials. 2,156,168; Apr. 25.
Thomas, George J., Newark, N. J. Tooth rest. 2,156,034; Apr. 25.
Thomas, Howard S., Rochester, N. Y. Scum remover. 2,155,960; Apr. 25.
Thompson, Ellery W., New York, N. Y. Door operating mechanism. 2,155,849; Apr. 25.
Thompson, John R. (See Thompson, Paul M. and J. R.)
Thompson, Paul M., Luverne, and J. R. Thompson, Burt, Iowa. Fish spearing and landing device. 2,155,913; Apr. 25.
Thompson, Russell G., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,155,999; Apr. 25.
Thompson, Russell G., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,156,000; Apr. 25.
Thompson, Russell G., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,156,001; Apr. 25.
Thompson, William D., Birmingham, Mich., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Loader anchorage for railway cars. 2,155,695; Apr. 25.
Thornton, Albert A., Teddington, assignor to T. P. Sheehy and S. Emms, Kingston-on-Thames, England. Tubular scaffolding bracket. 2,156,208; Apr. 25.
Thumim, Carl, Lansdowne, Pa., assignor to General Electric Company. Operating mechanism. 2,156,072; Apr. 25.

Thurber, Edward J., assignor of one-half to R. K. Rothrock, New Orleans, La. Gear changing device. 2,156,209; Apr. 25.
Thurston, Willard H., Los Angeles, Calif. Saw grinding machine. 2,155,809; Apr. 25.
Tighe, Edward T., et al. (See Fairbank, Franklin N., assignor.)
Timken Roller Bearing Company, The. (See Assel, Walter J., assignor.)
Timken Roller Bearing Company, The. (See Goldsworthy, Albert H., assignor.)
Timken Roller Bearing Company, The. (See Weckstein, Samson M., assignor.)
Timken Roller Bearing Company, The. (See Wood, Henry H., assignor.)
Timken Roller Bearing Company, The. (See Wooler, E., and Riblet, assignors.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Attaching handles, knobs, and the like. 2,155,810; Apr. 25.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,156,002; Apr. 25.
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,156,003; Apr. 25.
Tolson, William A., Westmont, N. J., and I. G. Maloff, Philadelphia, Pa., assignors to Radio Corporation of America. Deflecting coil for cathode ray tubes. 2,155,514; Apr. 25.
Toner, John H. (See Chamberlin, C. P., and Toner.)
Toohy, Helen S., Detroit, Mich. Sanitary seat cover. 2,156,035; Apr. 25.
Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Telescope or the like. 2,155,569; Apr. 25.
Trautmann, Otto E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Focusing mechanism. 2,155,570; Apr. 25.
Tredup, Fred W., Chicago, Ill. Floral aquarium. 2,155,811; Apr. 25.
Tregoning, Joseph H. (See Rider, Morris, assignor.)
Troller, Theodore H., Akron, Ohio. Propeller. 2,156,133; Apr. 25.
Trowell, William W., assignor to Hercules Powder Company, Wilmington, Del. Metal salts of sulphonated terpene-phenol condensates and preparation thereof. 2,155,961; Apr. 25.
Trucksess, David E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 2,155,515; Apr. 25.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Binder. 2,156,232; Apr. 25.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Trutner, Donald G. (See Anderson, V., and Trutner.)
Tull, Robert H., Springfield, Mass., and B. J. Homkes, Detroit, Mich., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,155,516; Apr. 25.
Tullis, Jasper G., assignor to The Cleveland Formgrader Company, Cleveland, Ohio. Road tool. 2,155,571; Apr. 25.
Turner, John H., Abingdon, Berkshire, England. Shaft for golf clubs. 2,155,517; Apr. 25.
Uchtorff, Albert F. (See Petskeyes, C. H., and Uchtorff.)
Udey, Lois. (See Greene, M., and Udey.)
Uhley, Mark M., Sioux Falls, S. Dak. Coat sleeve form. 2,155,812; Apr. 25.
Ultrad Products, Incorporated. (See Arden, Thomas R., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Elliott Fisher Company. (See Nelson, Talbert G., assignor.)
Underwood Elliott Fisher Company. (See Sterling, Gordon H., assignor.)
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
Underwood Elliott Fisher Company. (See Thompson, Russell G., assignor.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company. (See Pflasterer, George R., assignor.)
United Aircraft Corporation. (See Fenn, Edward H., assignor.)
United Combustion Corporation. (See Robinson, Lawrence R., assignor.)
United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
United Shoe Machinery Corporation. (See Standish, J. F., and Macdonald, assignors.)
United Shoe Machinery Corporation. (See Warren, Harold, assignor.)
United States Gauge Company. (See Klein, M., and Grauel, assignors.)
United States Patent Development and Royalty Company. (See Neuman, J. J., assignor, and Neuman.)
United States Quarry Tile Company. (See Feichter, Harold R., assignor.)
Universal Winding Company. (See Hitchcock, Harold W., assignor.)
Unke, Herman A., Lakewood, Ohio. Threaded hollow article. 2,156,169; Apr. 25.
Upson, William D., Arcade, N. Y. Parachute garment lifesaving device. 2,156,210; Apr. 25.
Van der Lee, Gerrit, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands. The preparation of a bleaching and sterilizing agent. 2,155,914; Apr. 25.
Vanderlinde, Edward I., Rochester, N. Y. Latch mechanism and operating means therefor. 2,156,004; Apr. 25.
Van Der Meulen, John, Blooming Grove, N. Y. Teat cup for milking machines. 2,156,211; Apr. 25.
Van Pappelendam, Laura, Chicago, Ill. Easel. 2,156,226; Apr. 25.
Van Westrum, Colby, assignor to L. A. Layne, Houston, Tex. Well strainer. 2,155,744; Apr. 25.
Vaughan, Henry E., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Measuring circuit. 2,155,696; Apr. 25.
Veal, Clarence R., Albany, Oreg. Tray attachment means. 2,155,813; Apr. 25.
Vereinigte Deutsch Metallwerke Aktiengesellschaft. (See Ebert, Heinrich, assignor.)
Visser, John, Grand Rapids, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Panel receptacle and closure. 2,155,962; Apr. 25.
Vocalsevro Company of Chicago, The. (See Severy, Melvin L., assignor.)
Vogel, William M., Bloomfield, N. J. Spraying device. 2,155,850; Apr. 25.
Von den Steinen, Carl, Bergedorf, near Hamburg, Germany, assignor to Askania-Werke A. G. Stabilizing device for ships. 2,155,456; Apr. 25.
Von den Steinen, Carl, Harmburg-Bergedorf, assignor to Askania-Werke A.-G. Stabilizing device. 2,155,892; Apr. 25.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for handling and applying sheets of material. 2,156,134; Apr. 25.
Von Kintzel, Georg, Dallgow-Doberitz, assignor to E. Tensfeldt, Charlottenburg, Germany. Device for issuing tickets, cards, and the like. 2,155,762; Apr. 25.
Von Oberstadt, Peter-Franz G. B., now by judicial change of name P. B. Oberstadt, Cleveland, Ohio. Shock absorber. 2,155,978; Apr. 25.
Von Retze, Ewald, Schonberg near Kronberg, assignor to Deutsche Gold- und Silber Scheideanstalt, Frankfort-on-the-Main, Germany. Production of organic esters. 2,155,625; Apr. 25.
Von Schickh, Otto. (See Binz, A., and von Schickh.)
Waco Aircraft Company. (See Brukner, Clayton J., assignor.)
Wagner, Cary R., Chicago, and W. A. Raine, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Preparing lubricating oils. 2,155,745; Apr. 25.
Waldmann, Edmund, Klosterneuburg, and A. Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. The manufacture of imidazolines containing at least 10 carbon atoms. 2,155,877; Apr. 25.
Waldmann, Edmund, Klosterneuburg, and A. Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of imidazolines containing at least 10 carbon atoms. 2,155,878; Apr. 25.
Wall, John M. (See Cooper, J., and Wall.)
Wallace, Frank C., and A. A. Leisy, Los Angeles, assignors to Hair Accessories Inc., Los Angeles County, Calif. Hair curling device. 2,156,073; Apr. 25.
Walsh, Edward J., Peekskill, N. Y. Waterproofing construction for parapet walls. 2,155,915; Apr. 25.
Walter, Ludwig. (See Gothe, A., Roosenstein, and Walter.)
Walters, Oswald H. (See Goodall, A. W., and Walters, assignors.)
Warren, Harold, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,155,572; Apr. 25.
Washburn, Donald H., and E. B. Hudson, assignors to The American Rolling Mill Company, Middletown, Ohio. Semiarticulated forming hood for up-type collers. 2,155,879; Apr. 25.
Waterman, Arthur T., Kansas City, Mo. Blind. 2,155,985; Apr. 25.
Watson, Thomas S., Milwaukee, Wis. Washing machine head frame. 2,155,963; Apr. 25.
Watts, William S., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,156,135; Apr. 25.
Watts, William S., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,156,136; Apr. 25.
Wead, Silas C. (See Leidig, Clarence A., assignor.)
Weaver, Joseph L. (See Mead, H. L., and Weaver.)

Weckstein, Samson M., assignor to The Timken Roller Bearing Company, Canton, Ohio. Conveyer roller. 2,155,916; Apr. 25.
Wegner, Arnold A., assignor to Chain Belt Company, Milwaukee, Wis. Article transfer apparatus for conveyers. 2,156,248; Apr. 25.
Wehner, John M., Audubon, N. J., assignor to Radio Corporation of America. Film sprocket. 2,155,518; Apr. 25.
Weir, Le Roy R. (See Royer, J. R., Blaine, and Weir.)
Weiss, Charles R., Indianapolis, Ind., assignor to Link-Belt Company. Making bushed chain links. 2,155,626; Apr. 25.
Weitsman, James M., Brooklyn, N. Y. Educational and identification chart. 2,155,851; Apr. 25.
Welbilt Stove Company. (See Haley, James R., assignor.)
Welch, Vern O., Milltown, Wis. Outlet box anchoring device. 2,155,627; Apr. 25.
Wells, Elmer J., Alhambra, Calif. Machine tool. 2,155,573; Apr. 25.
Wendt, Gerald L., New York, and D. Frommuller, Middle Village, Long Island, assignors to Coffee Products Corporation, New York, N. Y. Treatment of vapors from coffee roasting. 2,156,212; Apr. 25.
Wesson, George W., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Roller presser backstop device for sewing machines. 2,156,045; Apr. 25.
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Energizing circuit for unilaterally conducting devices. 2,156,074; Apr. 25.
Westinghouse Electric & Manufacturing Company. (See Parr, Bernard F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass selector. 2,156,137; Apr. 25.
White, Charles J., Longview, Tex. Animal trap. 2,156,213; Apr. 25.
Wilcox, Harry A., Bronxville, and J. L. Barker, Pleasantville, assignors to Automatic Signal Corporation, New York, N. Y. Traffic control system and apparatus. 2,156,138; Apr. 25.
Williams, Alfred O., assignor to Clark Equipment Company, Battle Creek, Mich. Brake. 2,156,006; Apr. 25.
Wilputte, Adele J. (See Pavitt, William H., assignor.)
Wilt, Vernon K., assignor to Kelco Company, Los Angeles, Calif. Alginate in oleomargarine. 2,156,036; Apr. 25.
Winthrop Chemical Company. (See Puetzer, Bruno, assignor.)
Wisspeinter, Christian. (See Scheppmann, W., and Wisspeintner.)
West, William M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Composition gasket. 2,155,457; Apr. 25.
Western Cartridge Company. (See Laudensack, Albert F., assignor.)
Western Cartridge Company. (See Swebilius, Carl G., assignor.)
Western Electric Company. (See de Vriendt, C., and Borzer, assignors.)
Western Electric Company. (See Reichelt, Lester O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gottlieb, Jacob, assignor.)
Westinghouse Electric & Manufacturing Company. (See Russell, W. J., and Woodman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Tull, R. H., and Homkes, assignors.)
Wheaton, Henry C., East Orange, N. J., assignor to Bailey Meter Company. Desuperheater. 2,155,986; Apr. 25.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile yarn and fabric and making same. 2,155,519; Apr. 25.
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Thermostatically controlled valve. 2,155,880; Apr. 25.
Wieking, William C. (See Lundquist, A., Freeman, and Wieking.)
Wieking, William C., assignor to R. Hoe & Co., Inc., New York, N. Y. Web roll control mechanism for printing machines. 2,155,431; Apr. 25.
Wilbur, Scott I., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Closure. 2,155,574; Apr. 25.
Wiley, Robert D. (See Hill, R. M., and Wiley.)
Wilford, Edward B., Merion, and A. Herzog, Penn Valley; said Herzog assignor to said Wilford. Aircraft. 2,155,881; Apr. 25.
Wilkinson, William J., Eastchester, N. Y., assignor of one-half to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Method of and apparatus for printing. 2,155,458; Apr. 25.
Willett, William M., and G. T. Markey, assignors to James Mfg. Co., Fort Atkinson, Wis. Recirculating heating device. 2,156,101; Apr. 25.
Williams, Alfred O., Battle Creek, assignor, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Door operating mechanism. 2,156,005; Apr. 25.
Williams, Beverly E., and A. S. Hartanov, assignors to Industrial Patents Corporation, Chicago, Ill. Marking carcasses. 2,155,746; Apr. 25.
Williams, John C., Oakland, Calif. Bearing seal. 2,155,628; Apr. 25.
Williamson, Winnie D., West Union, W. Va. Hair parting device. 2,155,917; Apr. 25.
Wilson, Albert R. (See Young, Charles W., assignor.)
Wilson & Bennett Manufacturing Company. (See Severy, Victor H., assignor.)
Winter, Carl, and N. Roh, Ludwigshafen-on-the-Rhine, P. Wolff and G. Schaefer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Polymethine dyestuffs and making same. 2,155,459; Apr. 25.
Winthrop Chemical Company. (See Maier-Rode, H., Brodersen, and Behncke, assignors.)
Wishart, William W., Chicago, Ill. Compressor. 2,155,460; Apr. 25.
Wittig, Carl H. O., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular loupe. 2,155,575; Apr. 25.
Wolfe, Graff F., Minneapolis, Minn. Game. 2,155,814; Apr. 25.
Wolff, Joseph P., Detroit, Mich. Vacuum breaker. 2,155,520; Apr. 25.
Wolff, Paul. (See Roh, N., Wolff, and Schäfer.)
Wolff, Paul. (See Winter, C., Roh, Wolff, and Schaefer.)
Wolfson, Morris, Brooklyn, assignor of one-half to F. Margolis, New York, N. Y. Leaf assembly binding. 2,155,576; Apr. 25.
Wollenweber, Julius E., Detroit, Mich., assignor to The American Paper Bottle Company. Container closing mechanism. 2,156,037; Apr. 25.
Wollman, Max, Los Angeles, Calif. Pinking machine. 2,155,815; Apr. 25.
Wood, Grover W., assignor, of one-fourth to L. Campell and one-fourth to M. M. Campell, Greenville, S. C. Wax stripper and tension device. 2,155,918; Apr. 25.
Wood, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Rolling mill. 2,155,747; Apr. 25.
Woodman, Kenneth L. (See Russell, W. J., and Woodman.)
Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Rack for rectangular roasters. 2,156,214; Apr. 25.
Wooler, Ernest, and R. M. Riblet, assignors to The Timken Roller Bearing Company, Canton, Ohio. Shaft bearing mounting. 2,155,919; Apr. 25.
Wray, Fred. (See L'Hollier, L. H., and Wray.)
Wright, David M., Agricola, Fla., assignor to Industrial Patents Corporation, Chicago, Ill. Rake classifier. 2,155,748; Apr. 25.
Wright, John H., Larchmont, N. Y., assignor to Piedmont Development Corporation, Wilmington, Del. Therapeutic composition. 2,156,233; Apr. 25.
Wyman, Guy C., Chatham, assignor to Landon P. Smith, Inc., Irvington, N. J. Glass cutter. 2,156,249; Apr. 25.
Yoder Company, The. (See Borzym, Alexander, assignor.)
Yoerg, Alfred F., assignor of one-half to H. Schlesinger, Des Moines, Iowa. Rotary iron structure. 2,155,779; Apr. 25.
Young, Charles W., South Norwood, London, assignor of one-half to A. R. Wilson, Leigh-on-Sea, Essex, England. Apparatus for pulverizing minerals and other materials. 2,155,697; Apr. 25.
Young, Leonard A., and J. M. Oldham, Detroit, Mich.; said Oldham assignor to said Young. Safety razor and blade therefor. 2,155,749; Apr. 25.
Zaio, George J., Iron Mountain, Mich. Closet seat for infants. 2,155,577; Apr. 25.
Zand, Stephen J. (See Kenyon, T. W., Zand, and Carlson.)
Zavarella, Raphael, assignor of one-half to C. D. Scully and one-fourth to H. K. Brooks, Pittsburgh, and one-fourth to J. A. Rykaczewski, Braddock, Pa. Front wheel suspension for motor vehicles. 2,155,521; Apr. 25.
Zaveruka, Alex J., Mount Clemens, Mich. Cam-action punch press. 2,155,629; Apr. 25.
Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Basket display. 2,156,250; Apr. 25.
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Float operated supply valve. 2,155,698; Apr. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Balls, Making. W. J. Voit. Re. 21,063; Apr. 25.
Bumper attachment. S. D. Bosket. Re. 21,056; Apr. 25.
Heater, Water. P. Swan. Re. 21,061; Apr. 25.
Polysaccharides, Conversion of starchy. G. V. Caesar. Re. 21,057; Apr. 25.
Rivet and setting the same. L. C. Huck. Re. 21,058; Apr. 25.
Roof, Car. W. D. Thompson and D. W. Hawksworth. Re. 21,062; Apr. 25.
Sheet feeding machine. F. R. Belluche. Re. 21,055; Apr. 25.
Toaster, Electric. G. Lavenburg. Re. 21,060; Apr. 25.
Wheel, Vehicle. J H. Hunt and H. J. Horn. Re. 21,059; Apr. 25.

LIST OF PLANT INVENTIONS

Nectarine. G. E. Alexander. 328; Apr. 25.
Phlox. J. J. Grullemans. 329; Apr. 25.

LIST OF DESIGN INVENTIONS

Atomizer. A. Tischler. 114,524; Apr. 25.
Billfold. J. P. Wege. 114,479–80; Apr. 25.
Bookmark. A. Nierenberg. 114,521; Apr. 25.
Bottle. J. B. Platt. 114,461–2; Apr. 25.
Bottle and stopper therefor, Combined. H. Orlik. 114,458; Apr. 25.
Cabinet or the like, Doctor's. J. C. Fay. 114,444; Apr. 25.
Case, Lipstick. H. L. Dexter. 114,442; Apr. 25.
Chair. A. J. Berna. 114,435; Apr. 25.
Chair or similar article. H. J. Terker. 114,478; Apr. 25.
Clasp, Garment. F. G. Deming. 114,441; Apr. 25.
Coat or similar article, Child's. M. Glass. 114,481; Apr. 25.
Dental demonstration model. A. R. Settell. 114,512; Apr. 25.
Dress. L. Katz. 114,504; Apr. 25.
Dress. M. Massow. 114,495; Apr. 25.
Dress. D. Novick. 114,496; Apr. 25.
Dress. A. Ruchman. 114,498; Apr. 25.
Dress ensemble. L. Katz. 114,505–6; Apr. 25.
Dress ensemble. M. Michelson. 114,507; Apr. 25.
Fabric or similar article, Printed. R. Berger. 114,515; Apr. 25.
Fabric or similar article, Printed textile. R. Berger. 114,515; Apr. 25.
Fabric or similar article, Textile. L. H. Brewster. 114,500; Apr. 25.
Fabric or similar article, Textile. S. Singer. 114,523; Apr. 25.
Fabric, Textile. K. Lehmann. 114,518–20; Apr. 25.
Fabric, Textile. A. Levy. 114,494; Apr. 25.
Frame for electric sifters. W. P. Dowling. 114,443; Apr. 25.
Glove. A. F. Bates. 114,434; Apr. 25.
Handbag. M. Zigelbaum. 114,499; Apr. 25.
Hat. L. A. Johnson. 114,449; Apr. 25.
Holder, Card. H. J. Smoleroff. 114,476; Apr. 25.
Iron, Electric. E. S. Preston. 114,463–8; Apr. 25.
Jar, Cosmetic cream. J. B. Platt. 114,460; Apr. 25.
Jewelry element for bracelets or similar articles. L. Mazer. 114,454–5; Apr. 25.
Jewelry setting or similar article. W. Simon. 114,475; Apr. 25.
Knife, Paring. C. F. Senkewitz. 114,474; Apr. 25.
Lighting fixture. S. A. Baker. 114,443; Apr. 25.
Mirror or similar article, Illuminable. G. Lazarus. 114,451; Apr. 25.
Necklace. K. M. Dick. 114,516; Apr. 25.
Ophthalmic instrument. W. F. Peck. 114,487; Apr. 25.
Pad and clock, Combined appointment. N. Sandor. 114,472; Apr. 25.
Pin, Clip. A. Katz. 114,483–6; Apr. 25.
Pin, Clip. A. Philippe. 114,488–93; Apr. 25.
Pin, Novelty. W. M. Gustin. 114,447; Apr. 25.
Plate or similar article. C. W. Leigh. 114,452; Apr. 25.
Reflector for an automobile or the like, Safety. M. C. Magarian. 114,453; Apr. 25.
Ribbon. S. Graff. 114,501–3; Apr. 25.
Ring, Finger. J. Lannes. 114,450; Apr. 25.
Roof for a vehicle body. P. E. Hawkins. 114,448; Apr. 25.
Roof for a vehicle body. P. E. Hawkins. 114,482; Apr. 25.
Scale ejector and screw driver for drafting machines, Combined. D. J. Christensen. 114,439; Apr. 25.
Scarf. J. E. Grotta. 114,446; Apr. 25.
Settee. T. H. Graf. 114,445; Apr. 25.
Shaver or similar article, Dry. D. Chapman. 114,438; Apr. 25.
Shoe. F. W. Ochs. 114,457; Apr. 25.
Shoe. F. W. Ochs. 114,459; Apr. 25.
Shoe sole. L. G. Renaldo. 114,511; Apr. 25.
Sign, Rotatable advertising. Alexander and A. McCabe. 114,456; Apr. 25.
Signal, Illuminable traffic. F. A. Robinson and C. Reutter. 114,469–70; Apr. 25.
Slipper. S. Cooper. 114,440; Apr. 25.
Stove top plate and hot-water coil, Combined. A. B. Trencavel. 114,513; Apr. 25.
Sunglasses. A. Brock and W. H. Backer. 114,437; Apr. 25.
Tablecloth, Lace. F. P. Otto. 114,508–10; Apr. 25.
Tablecloth, Lace. W. Wolf. 114,514; Apr. 25.
Ticket, Admission. L. Rittelman. 114,522; Apr. 25.
Tire. G. W. Anderson. 114,432; Apr. 25.
Tool, Fruit coring. M. Rosenberg. 114,471; Apr. 25.
Typewriting machine. H. Dreyfuss. 114,517; Apr. 25.
Valve, Fluid control. W. A. Ray. 114,497; Apr. 25.
Vaporizing machine. L. F. and R. T. Schmidt. 114,473; Apr. 25.
Washing machine and wringer, Combined. F. Breckenridge. 114,436; Apr. 25.
Whatnot. H. G. Stephens. 114,477; Apr. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF APRIL, 1939

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Apparatus for concentrating sulphuric. J. Bachi. 2,155,633; Apr. 25.
Air actuated acid feeder, Intermittent. A. E. Kittredge and V. A. Rohlin. 2,155,943; Apr. 25.
Air brake. N. E. Erickson. 2,155,701; Apr. 25.
Air cleaner. W. A. Shaw. 2,155,911; Apr. 25.
Air conditioning apparatus. J. Gottlieb. 2,155,484; Apr. 25.
Air conditioning apparatus. F. D. Pfening and M. Conklin. 2,156,162; Apr. 25.
Air conditioning system. S. M. Anderson. 2,155,632; Apr. 25.
Air conditioning system. W. B. Shepperd. 2,155,510; Apr. 25.
Aircraft. E. B. Wilford and A. Herzog. 2,155,881; Apr. 25.
Aircraft, Rotative-winged. A. E. Larsen. 2,155,426; Apr. 25.
Aircraft with autorotative wings. J. de la Cierva. 2,155,409; Apr. 25.
Airfoil structure, Variable. R. M. Hill and R. D. Wiley. 2,155,546; Apr. 25.
Air inlet device for flush valves. W. C. Shanley. 2,155,845; Apr. 25.
Airplane engine. L. R. Spencer. 2,156,202; Apr. 25.
Alarm device. F. Brinkmann. 2,156,080; Apr. 25.
Alginate in oleomargarine. V. K. Wilt. 2,156,036; Apr. 25.
Alkali metal perborates and urea, Preparing addition products of. F. Kühnle. 2,155,717; Apr. 25.
Aluminum alloys, Manufacture of. C. G. Goetzel. 2,155,651; Apr. 25.
Amplifier circuit. L. M. Craft. 2,155,404; Apr. 25.
Amplifier, High frequency. R. A. Braden. 2,155,467; Apr. 25.
Amplifier, Magnetron. R. Serrell. 2,155,844; Apr. 25.
Amplifier systems, Output control for. A. J. Stimson. 2,155,807; Apr. 25.
Anchor, Wash-pipe. L. A. Layne and L. C. Mundt. 2,155,718; Apr. 25.
Animal fibers, Treatment of. L. Frenkel. 2,155,647; Apr. 25.
Animal trap. C. J. White. 2,156,213; Apr. 25.
Antenna system, Directive. H. O. Peterson. 2,155,955; Apr. 25.
Anthraquinone products and method of making. A. Miller. 2,155,673; Apr. 25.
Antiseptic, disinfecting, and preserving media. B. Puetzer. 2,156,193; Apr. 25.
Apparatus for making iced bodies, Portable. V. Planer. 2,155,956; Apr. 25.
Apparatus for playing a game of skill. H. Leach. 2,155,794; Apr. 25.
Aquarium, Floral. F. W. Tredup. 2,155,811; Apr. 25.
Armchair, Folding. J. B. Adler. 2,155,522; Apr. 25.
Article, Self-luminous. E. F. Seaman. 2,155,449; Apr. 25.
Article, Threaded hollow. H. A. Unke. 2,156,169; Apr. 25.
Article transfer apparatus for conveyers. A. A. Wegner. 2,156,248; Apr. 25.
Asparagus sorting machine. J. Albertoli. 2,155,378; Apr. 25.
Automatic separator. C. W. Herrin. 2,155,489; Apr. 25.
Automobile visor bracket. R. C. Jacobs. 2,156,091; Apr. 25.
Axe handle fastening. H. E. Fulton. 2,155,893; Apr. 25.
Axle, Vehicle. T. H. Jacob. 2,155,939; Apr. 25.
Azo compounds and producing the same, Heterocyclic. A. Binz and O. von Schickh. 2,156,141; Apr. 25.
Bag filling device. J. J. and H. G. Neuman. 2,156,224; Apr. 25.
Bailer. G. D. Johnson. 2,155,601; Apr. 25.
Bailer, Cement dump. C. R. Dale. 2,155,785; Apr. 25.
Balancing machine. C. C. Cadden. 2,155,528; Apr. 25.
Ballast working implement and method. P. P. Jargick. 2,155,713; Apr. 25.
Band-pass selector. H. A. Wheeler. 2,156,137; Apr. 25.
Bar: *See*—
  Sway bar.
Basket and carriage, Combination. S. N. Goldman. 2,155,896; Apr. 25.
Basket display. H. Ziemmerman. 2,156,250; Apr. 25.
Bath water conditioner. F. A. Gilford. 2,156,114; Apr. 25.
Battery supporting means. L. L. Jaskey. 2,155,941; Apr. 25.
Battery terminal connection clamp. C. R. Graves and J. C. Stout. 2,156,013; Apr. 25.
Bearing: *See*—
  Constant-fit bearing. Thrust bearing.
  Roller bearing.
Bed, Convertible chair. C. Hoehl. 2,155,490; Apr. 25.
Belly skinning machine. N. J. Miller. 2,155,730; Apr. 25.
Billet handling device for tube mills. W. J. Assel. 2,156,218; Apr. 25.
Binder. C. D. Trussell. 2,156,232; Apr. 25.
Binder, Loose-leaf. J. Cooper and J. M. Wall. 2,156,147; Apr. 25.
Binding, Leaf assembly. M. Wolfson. 2,155,576; Apr. 25.
Binocular loupe. C. H. O. Wittig. 2,155,575; Apr. 25.
Bleaching and sterilizing agent, Preparation of a. G. van der Lee. 2,155,914; Apr. 25.
Bleaching, Vapor phase. P. L. Magill. 2,155,728; Apr. 25.
Blind. A. T. Waterman. 2,155,985; Apr. 25.
Blind, Venetian. R. C. Pierce. 2,156,163; Apr. 25.
Blow-out preventer. A. J. and K. T. Penick. 2,155,837; Apr. 25.
Blower. E. L. Anderson. 2,155,631; Mar. 25.
Boat, Pneumatic. L. A. Brown. 2,156,175; Apr. 25.
Bolster spring unit. D. F. Sproul. 2,155,451; Apr. 25.
Bolt, Wheel. F. C. Pearson. 2,155,869; Apr. 25.
Book holder. S. E. Elliott. 2,155,535; Apr. 25.
Boot or shoe. O. Hutchison. 2,155,599; Apr. 25.
Booth, Telephone. F. A. Kuntz. 2,155,495; Apr. 25.
Bottle rack. R. R. Barnes. 2,155,884; Apr. 25.
Box: *See*—
  Chick box. Starting box.
Box holder. J. Hy. 2,155,760; Apr. 25.
Box stitcher. W. O. Sims. 2,156,165; Apr. 25.
Bracket: *See*—
  Automobile visor bracket. Shade bracket.
  Scaffolding bracket.
Bracket for automobile robe rails. A. Claud-Mantle. 2,155,834; Apr. 25.
Braille writer. J. Steffen. 2,155,777; Apr. 25.
Brake: *See*—
  Air brake. Vehicle brake.
  Trailer brake.
Brake. W. A. Carnes. 2,155,818; Apr. 25.
Brake. G. P. Roberts. 2,156,127; Apr. 25.
Brake. A. O. Williams. 2,156,006. Apr. 25.
Brake mechanism. F. L. Main. 2,155,762; Apr. 25.
Brake slack adjuster. H. H. Hooker. 2,156,154; Apr. 25.
Brake testing. J. D. Morgan and T. Anderson. 2,155,674; Apr. 25.
Braking mechanism for rail vehicles. E. Seibold. 2,155,740; Apr. 25.
Braking system, Fluid pressure. H. C. Swift. 2,156,205; Apr. 25.
Brassière, Adjustable. R. Freedman. 2,155,935; Apr. 25.
Brew, Apparatus for cooling. J. M. Bruce. 2,155,399; Apr. 25.
Briquette coating machine. A. J. Lundwall. 2,155,500; Apr. 25.
Broiler and fryer unit. W. J. Russell and K. L. Woodman. 2,156,216; Apr. 25.
Brush, Dental. D. R. Coleman. 2,155,473; Apr. 25.
Buckwheat, Popping. W. N. McFaul. 2,156,022; Apr. 25.
Building structure, Portable. W. B. Stout. 2,155,876; Apr. 25.
Building unit. J. V. Patterson. 2,155,709; Apr. 25.
Bulb and battery tester. E. T. Stratton. 2,155,778; Apr. 25.
Burner. J. N. Macrae. 2,156,121; Apr. 25.
Bushings and bushed chain links and the articles produced by said method, Method of making. J. M. Bryant and H. A. McAninch. 2,155,584; Apr. 25.
Button, Attaching. F. O. Lane. 2,155,496; Apr. 25.
Cabinet: *See*—
  Milk cooling cabinet. Utility cabinet.
Cable forming apparatus. L. O. Reichelt. 2,155,980; Apr. 25.
Cage, Airplane passenger. M. Cichero. 2,156,252; Apr. 25.
Cam-action punch press. A. J. Zaveruka. 2,155,629; Apr. 25.
Can body, Paper. A. G. Hatch. 2,155,487; Apr. 25.
Cap retainer. J. Hocke. 2,155,759; Apr. 25.
Car: *See*—
  Freight car. Sleeping car.
Car construction. W. M. Dwyer. 2,155,533; Apr. 25.

Car loading apparatus, Freight. G. M. Reifer, P. S. Procissi and O. Lundene. 2,155,872; Apr. 25.
Carburetor. R. F. Bracke. 2,155,638; Apr. 25.
Carburetor. P. X. A. Gistucci and J. Lichtenstein. 2,156,115; Apr. 25.
Carburetor. A. M. Malouf. 2,155,560; Apr. 25.
Carburetor. E. H. Shaff. 2,156,128; Apr. 25.
Carburetor. S. C. Smith. 2,156,129; Apr. 25.
Carburetor. M. C. P. Thieulin. 2,156,132; Apr. 25.
Carburetor, Gas. R. F. Ensign. 2,155,754; Apr. 25.
Carburetor, Liquid and gaseous fuel. F. N. Laub. 2,155,763; Apr. 25.
Carcass tongue protector. C. L. Lohner. 2,155,725; Apr. 25.
Carcasses, Marking. B. E. Williams and A. S. Hartanov. 2,155,746; Apr. 25.
Carrier frequencies, Producing. H. Hornung. 2,156,056; Apr. 25.
Carrier modulation, Controlled. J. L. Reinartz. 2,155,506; Apr. 25.
Carton. R. M. Holmes. 2,155,791; Apr. 25.
Caster. W. F. Herold. 2,155,826–8; Apr. 25.
Cementing, Multiple stage. W. R. McClendon and W. D. Owsley. 2,155,609; Apr. 25.
Centrifuge for continuously separating semisolid constitutents. E. A. Forsberg. 2,155,787; Apr. 25.
Ceramic manufacture. H. R. Feichter. 2,156,149; Apr. 25.
Chain: *See*—
  Mining machine chain.
Chain links, Making bushed. C. R. Weiss. 2,155,626; Apr. 25.
Characters, Transmitting. W. Scheppmann and C. Wisspeintner. 2,156,098; Apr. 25.
Chart, Educational and identification. J. M. Weitsman. 2,155,851; Apr. 25.
Chart holder, Nonremovable. M. Klein and E. H. Grauel. 2,155,603; Apr. 25.
Cheese package. C. H. Parson. 2,155,736; Apr. 25.
Chick box. L. A. Shoemaker. 2,155,450; Apr. 25.
Chlorides of higher fatty acids, Preparation of. A. Dierichs. 2,156,177; Apr. 25.
Chuck. M. G. Hinnekens. 2,156,089; Apr. 25.
Cigarette filter. P. P. Onifrey. 2,155,798; Apr. 25.
Ciphering and deciphering mechanism. R. D. Salmon. 2,156,097; Apr. 25.
Circuit: *See*—
  Amplifier circuit. Measuring circuit.
  Linear control circuit.
Circuit breaker, Automatic. M. K. Hinde. 2,155,758; Apr. 25.
Circuit for cathode ray tubes, Starting. J. Günther. 2,155,486; Apr. 25.
Circuit for gaseous electric discharge devices, Starting and operating. M. A. Babb. 2,155,816; Apr. 25.
Circuit for unilaterally conducting devices, Energizing. W. F. Westendorp. 2,156,074; Apr. 25.
Circuits, Arrangement for coupling high frequency. A. Gothe, H. O. Roosenstein, and L. Walter. 2,155,652; Apr. 25.
Clamp: *See*—
  Battery terminal connection clamp.
Clamp. L. Robillard. 2,156,195; Apr. 25.
Clamping device for charts for recording instruments. C. W. Bristol. 2,155,817; Apr. 25.
Cleaner: *See*—
  Air cleaner. Vacuum cleaner.
  Slub catcher or yarn cleaner. Windshield cleaner.
Clip: *See*—
  Strap holding and guiding clip.
Closet evacuator, Water. R. C. Boyd. 2,155,751; Apr. 25.
Closet structure. G. Brain. 2,156,108; Apr. 25.
Closure. S. I. Wilbur. 2,155,574; Apr. 25.
Closure device for containers. L. E. Daugherty, Jr. 2,156,111; Apr. 25.
Closures, Making garment. L. Markin. 2,155,795; Apr. 25.
Clothesrack, Collapsible. A. R. and R. L. Swanson. 2,155,742; Apr. 25.
Clutch. O. B. Rufus. 2,156,030; Apr. 25.
Clutch and transmission control, Combined. E. S. Bush. 2,155,470; Apr. 25.
Clutch control mechanism. W. S. Watts. 2,156,135–6; Apr. 25.
Clutch mechanism, Reverse. J. W. Sloan. 2,156,033; Apr. 25.
Coal mining system. J. H. Fletcher. 2,155,415; Apr. 25.
Coffee extract and making same. P. A. Houseman. 2,155,971; Apr. 25.
Coil, Compensated pre-heat. H. R. Crago. 2,156,082; Apr. 25.
Coil filament manufacture. V. Anderson and D. G. Trutner. 2,155,388; Apr. 25.
Coil for cathode ray tubes, Deflecting. W. A. Tolson and I. G. Maloff. 2,155,514; Apr. 25.
Coin divider. F. G. Nicolaus. 2,155,951; Apr. 25.
Coin machinery. B. E. Seemel. 2,155,982; Apr. 25.
Color scheme exhibitor. A. M. Barrett, A. L. Macnair, and E. W. Ericson. 2,155,924; Apr. 25.
Combine. A. Korsmo and M. Ronning. 2,155,422–3; Apr. 25.
Comparator, Numerical. M. L. Haselton and R. M. Hicks. 2,155,825; Apr. 25.
Compass, Magnetic. W. E. Hull. 2,155,712; Apr. 25.
Compass, Sun. J. C. Clark. 2,155,402; Apr. 25.
Composition and method for preventing incrustation. P. G. Bird. 2,156,173; Apr. 25.
Composition to increase the efficiency of internal combustion engines. O. W. Schmidt. 2,155,981; Apr. 25.
Compositions for fluid transmission of power. W. P. Smith. 2,156,130; Apr. 25.
Compression ignition engine. O. L. Starr. 2,155,776; Apr. 25.
Compressor. W. W. Wishart. 2,155,460; Apr. 25.
Compressor, Air or gas. W. F. Jennings. 2,155,551; Apr. 25.
Concentrator, Rotary. R. M. MacCormac. 2,155,432; Apr. 25.
Concrete box joint. T. Hamlin and J. H. Hood. 2,155,823; Apr. 25.
Concrete step mold. L. Samonds. 2,155,908; Apr. 25.
Concrete structures, Building. A. Y. Preble. 2,156,027; Apr. 25.
Condensation products from hydrogen sulphide and acetylene, Production of. W. Reppe and F. Nicolai. 2,156,095; Apr. 25.
Condenser. W. Scheppmann. 2,156,099; Apr. 25.
Condiment holder. G. E. Edwards. 2,155,534; Apr. 25.
Conductor, Electrical. D. K. Crampton and H. L. Burghoff. 2,155,405–7; Apr. 25.
Connection, Driving. A. B. Arnold and B. Spieth. 2,156,047; Apr. 25.
Connection for rail points, Adjustable. S. L. Eastburn and G. M. Cooper. 2,155,820; Apr. 25.
Connector for bag straps and the like. D. I. Reiter. 2,155,801; Apr. 25.
Constant-fit bearing. G. S. Morison. 2,155,766; Apr. 25.
Container: *See*—
  Liquid dispensing container.
Container and means for exhausting air therefrom. W. D. Brandon. 2,155,397; Apr. 25.
Container closing mechanism. J. E. Wollenweber. 2,156,037; Apr. 25.
Container closure construction. C. T. Draper. 2,156,237; Apr. 25.
Container handling apparatus. N. S. Sell. 2,155,983; Apr. 25.
Container-making mold, Edible. E. O. and R. O. Cavett. 2,156,145; Apr. 25.
Continuous furnace. A. J. Boland. 2,156,008; Apr. 25.
Control device. H. W. Rubinstein. 2,156,067; Apr. 25.
Control device for heat generating apparatus. H. Laub and J. Kremer. 2,156,119; Apr. 25.
Control for carburetor idling systems. A. C. Macbeth. 2,155,670; Apr. 25.
Control for heating systems. R. P. Dewey. 2,155,642; Apr. 25.
Control for the unreeling of coiled material from drums. H. C. Porter. 2,155,771; Apr. 25.
Controlling apparatus for an internal combustion engine. F. Nallinger. 2,155,950; Apr. 25.
Controlling device for tandem mills, Automatic. E. B. Hudson. 2,155,860; Apr. 25.
Controlling means for cooling systems of internal combustion engines. W. L. Morrison. 2,155,439; Apr. 25.
Conveyer. K. W. Jones. 2,155,553; Apr. 25.
Conveyer. H. D. Lathrop. 2,156,020; Apr. 25.
Conveyer. A. D. Sinden. 2,155,874; Apr. 25.
Conveyer and distributor, Container. C. N. Bergmann. 2,156,105; Apr. 25.
Conveyer roller. S. M. Weckstein. 2,155,916; Apr. 25.
Cooling apparatus for bread wrapping machines. C. H. Petskeyes and A. F. Uchtorff. 2,155,614; Apr. 25.
Copper base alloys. D. K. Crampton and H. L. Burghoff. 2,155,408; Apr. 25.
Core member. R. C. Pierce. 2,156,164; Apr. 25.
Corp products and similar material, Molding. M. Levin. 2,155,429; Apr. 25.
Corset. M. S. Graves. 2,155,485; Apr. 25.
Cosmetic holder. A. Mitchell. 2,155,797; Apr. 25.
Counterelectromotive-force cell. H. P. Murphy. 2,156,222; Apr. 25.
Coupler, Trailer. C. F. Bracht. 2,155,782; Apr. 25.
Coupling: *See*—
  Fluid coupling. Vehicle axle coupling.
  Hose coupling.
Course changing means for automatic pilots, Rate control. B. G. Carlson. 2,155,401; Apr. 25.
Cover: *See*—
  Garment hanger cover. Sanitary seat cover.
  Manhole cover.
Cover access opening, Flush. C. J. Brukner. 2,156,110; Apr. 25.
Cover for boxes, Display. W. W. Saint. 2,155,996; Apr. 25.
Covering, Applying an aircraft. A. S. Daneman. 2,155,931; Apr. 25.
Covers, Holding bed. A. Simpson. 2,155,690; Apr. 25.
Crate, Shipping. D. C. Schubel. 2,155,688; Apr. 25.
Crusher frame. W. A. Battey. 2,155,393; Apr. 25.
Crusher, Roll. S. D. Hartshorn. 2,155,970; Apr. 25.

Cup for milking machines, Teat. J. Van Der Meulen. 2,156,211; Apr. 25.
Curtain. J. Stam. 2,156,231; Apr. 25.
Cushion, Spring. G. P. Johnson. 2,155,792; Apr. 25.
Cut-off, Machine. M. G. Boerger. 2,156,049; Apr. 25.
Cut-out constructions, Repeating. R. L. Smythe. 2,155,959; Apr. 25.
Cutter: *See*—
Glass cutter.
Cutting machine. T. A. Anderson. 2,155,578; Apr. 25.
Cutting tool, Rotatable. J. J. Harten. 2,155,595; Apr. 25.
Cylinder lock. H. Machinist. 2,155,726; Apr. 25.
Cylinder unit for brakes, Master. L. E. La Brie. 2,156,120; Apr. 25.
Cylinders, Forming printing. E. S. Ballard. 2,155,392; Apr. 25.
Decorative device, Illuminated. E. J. Graf. 2,155,822; Apr. 25.
Deposition, Process of. H. C. Davis. 2,155,932; Apr. 25.
Desuperheater. H. C. Wheaton. 2,155,986; Apr. 25.
Device for bailing yarn for knitting or crocheting purposes. H. H. Brown. 2,156,050; Apr. 25.
Device for delivering metallic leaf from a package thereof. E. J. Cavanaugh. 2,156,176; Apr. 25.
Device for determining the genuineness of bank notes, etc. J. H. Ruth. 2,155,957; Apr. 25.
Device for issuing tickets, cards, and the like. G. von Kintzel. 2,155,762; Apr. 25.
Diazodinitrophenol and preparation of the same. L. W. Babcock. 2,155,579; Apr. 25.
Die casting machine. W. J. During. 2,155,643; Apr. 25.
Die fitting machine. R. W. Glasner and E. K. Johansen. 2,155,482; Apr. 25.
Dipping machine. G. Stolze. 2,156,204; Apr. 25.
Direction finding system. G. W. Pickard. 2,155,838; Apr. 25.
Direction turn indicator for vehicles. C. M. Roan, O. E. Kaupang, and A. W. Rohlen. 2,155,617; Apr. 25.
Discharge device, Electric. O. Baier and A. Katsch. 2,156,048; Apr. 25.
Disher. P. F. Donahue. 2,155,700; Apr. 25.
Dishwashing machine. R. Pauly and E. Osterberg. 2,155,868; Apr. 25.
Disinfecting means. W. Neugebauer. 2,155,504; Apr. 25.
Dispenser: *See*—
Liquid dispenser. Towel dispenser.
Dispenser. R. Bernhardt. 2,155,887; Apr. 25.
Displacements, Apparatus for the detection of. R. Gunn. 2,155,419–20; Apr. 25.
Display apparatus, Merchandise. B. H. Bonnar. 2,155,583; Apr. 25.
Display device. J. S. Connors. 2,155,699; Apr. 25.
Display device. C. Roberts. 2,155,619; Apr. 25.
Display sign. B. Roberts. 2,155,618; Apr. 25.
Dog exercising device. J. R. Richards. 2,155,684; Apr. 25.
Doll. E. G. Schaeffer. 2,155,448; Apr. 25.
Door: *See*—
Refrigerator door.
Door operating mechanism. E. W. Thompson. 2,155,849; Apr. 25.
Door operating mechanism. A. O. Williams. 2,156,005; Apr. 25.
Double ironing table. C. W. Sadenwater. 2,156,246; Apr. 25.
Dough mixing apparatus. R. M. Temple. 2,155,454; Apr. 25.
Drafting machine. C. H. Little. 2,155,724; Apr. 25.
Drawer lining insert, Cash. H. E. House. 2,155,549; Apr. 25.
Drive, Generator. A. L. Freedlander and E. J. Schmidt. 2,155,703; Apr 25.
Driving mechanism. R. P. Lansing. 2,155,974; Apr. 25.
Duplex centrifugal separator. R. S. Clarke. 2,156,253; Apr. 25.
Duplicator. C. D. Senger. 2,155,909; Apr. 25.
Duplicator. F. W. Storck. 2,155,692; Apr. 25.
Dyeing process and compositions therefor. J. G. Kern. 2,155,942; Apr. 25.
Dyes, Azo. S. S. Rossander. 2,155,685; Apr. 25.
Dyes from hydroxy-diarylamines, Sulphur. G. C. Strouse. 2,156,071; Apr. 25.
Dyestuffs and making same, Polymethine. N. Roh, P. Wolff, and G. Schäfer. 2,155,447; Apr. 25.
Dyestuffs and making same, Polymethine. C. Winter, N. Roh, P. Wolff, and G. Schaefer. 2,155,459; Apr. 25.
Dyestuffs, Mono-azo. F. Felix and W. Huber. 2,155,755; Apr. 25.
Dyestuffs, Monoazo. A. H. Knight and F. Lodge. 2,155,493; Apr. 25.
Easel. L. van Pappelendam. 2,156,226; Apr. 25.
Eggs and hatching chickens, as well as pheasants and the like, Incubation of. W. T. Hager. 2,155,937; Apr. 25.
Electric discharge lamp, Gaseous. A. Ruttenauer and O. Fritze. 2,156,068; Apr. 25.
Electric lamp. H. Krefft and K. Larché. 2,156,057; Apr. 25.
Electric receptacle. G. E. Blinn. 2,155,925; Apr. 25.
Electric sign. H. A. Fuller. 2,155,936; Apr. 25.
Electric switch. M. J. Madison. 2,155,727; Apr. 25.
Electric switch. P. J. O'Brien. 2,156,024; Apr. 25.
Electric switch, Door-operated. G. J. Meuer. 2,155,765; Apr. 25.
Electrical discharge device. J. E. Beggs. 2,156,079; Apr. 25.
Electrical indicator. J. P. Smith, Jr. 2,156,199; Apr. 25.
Electrical transformer. H. L. Rorden. 2,155,840; Apr. 25.
Electron discharge apparatus and system, Multielement. R. A. Heising. 2,156,088; Apr. 25.
Electron discharge device. J. H. O. Harries. 2,155,824; Apr. 25.
Electron discharge device provided with a cooling jacket. G. Rabuteau and G. P. Chevigny. 2,156,063; Apr. 25.
Electronic discharge device. V. L. Ronci. 2,156,064; Apr. 25.
Emulsifiers and producing the same. C. Graenacher and R. Sallmann. 2,155,757; Apr. 25.
Engine: *See*—
Airplane engine. Multicylinder engine.
Compression ignition engine. Rotary engine.
Internal combustion engine.
Envelopes, Manufacture of. L. O. Hayes. 2,155,656; Apr. 25.
Ergot derivative and obtaining it. M. S. Kharasch and R. R. Legault. 2,156,242; Apr. 25.
Esters, Preparing vinyl. H. Lange and O. Dorrer. 2,156,093; Apr. 25.
Ethers and salts thereof, B-methylcholine. G. Roeder. 2,155,446; Apr. 25.
Esters, Production of organic. E. von Retze. 2,155,625; Apr. 25.
Ethers, Sulphated aliphatic. B. R. Harris. 2,155,899; Apr. 25.
Evaporator. A. R. Constantine. 2,155,819; Apr. 25.
Extractor: *See*—
Fishhook extractor.
Eyeglass frame, Multifocal. B. H. Sperber. 2,155,806; Apr. 25.
Fabric and making same, Pile. R. C. Amidon. 2,155,385; Apr. 25.
Fabrics and making articles therefrom, Reducing the area of. L. H. L'Hollier and F. Wray. 2,155,597; Apr. 25.
Fabrics, Treating. M. G. Hinnekens. 2,156,090; Apr. 25.
Fan. C. E. Meyerhoefer. 2,155,611; Apr. 25.
Fastening device. G. A. Tinnerman. 2,156,002–3; Apr. 25.
Fastening-distributing mechanism. J. F. Standish and L. S. Macdonald. 2,155,568; Apr. 25.
Fastening-inserting machine. T. H. Seely. 2,155,566; Apr. 25.
Feed mechanism for planters. O. J. Parks and M. Ronning. 2,155,735; Apr. 25.
Feeder: *See*—
Air actuated acid feeder.
Feeding device, Automatic. G. A. Gibson, Jr. 2,155,895; Apr. 25.
Fender, Tractor. N. E. Erickson. 2,155,702; Apr. 25.
Ferrule expanding tool. G. M. Graham. 2,155,542; Apr. 25.
Fertilizer, Phosphatic. F. P. Kerschbaum. 2,155,556; Apr. 25.
Fibers, Mechanism for use in decorticating. J. J. Marczak, generally known as J. J. Martz. 2,156,122; Apr. 25.
Fidelity control, Automatic. J. C. Beggs. 2,156,076; Apr. 25.
Figure for displaying fabrics in the form of garments, Lay. W. Spanier. 2,155,622; Apr. 25.
Filling device, Portable. M. L. Butcher. 2,155,783; Apr. 25.
Film sprocket. J. M. Wehner. 2,155,518; Apr. 25.
Filter: *See*—
Cigarette filter.
Filter forming machine. R. L. Irwine and J. P. Kovacs. 2,155,973; Apr. 25.
Firearm. R. H. Pike. 2,156,191; Apr. 25.
Firearm, Pump-action. C. G. Swebillus. 2,155,512; Apr. 25.
Firedoor operating mechanism. C. R. Davison. 2,155,585; Apr. 25.
Fishhook extractor. C. R. Harkins. 2,155,898; Apr. 25.
Fishing line distributor. G. A. Cook. 2,155,753; Apr. 25.
Fish spearing and landing device. P. M. and J. R. Thompson. 2,155,913; Apr. 25.
Fluid coupling. W. A. Duffield. 2,156,040; Apr. 25.
Focusing mechanism. O. E. Trautmann. 2,155,570; Apr. 25.
Fog and mist penetrating device. A. J. Cawley. 2,155,471; Apr. 25.
Food product, Apparatus for manufacturing a. E. W. Noxon and K. E. Garrison. 2,155,952; Apr. 25.
Form, Coat sleeve. M. M. Uhley. 2,155,812; Apr. 25.
Frame: *See*—
Crusher frame. Washing machine head frame.
Eyeglass frame.
Surgical reducing frame.
Freight car. B. M. Angell. 2,155,463; Apr. 25.
Fruit halves, Apparatus for arranging. F. E. Morris. 2,155,612; Apr. 25.
Fruit picker. J. Grignolo. 2,155,543; Apr. 25.

Fruit products, Preparing. C. R. Stuntz. 2,155,453; Apr. 25.
Fruits, Apparatus for forming segment-apex cavities in citrus. R. Polk, Sr., and R. Polk, Jr. 2,155,768; Apr. 25.
Fuel distributing apparatus. H. E. Lippert. 2,155,607–8; Apr. 25.
Fuel feed device, Vacuum. F. Barfod. 2,156,104; Apr. 25.
Fuel, Motor. J. C. D. Oosterhout. 2,155,678; Apr. 25.
Fuels, Treatment of gaseous. L. C. Kemp. 2,155,663; Apr. 25.
Furnace: *See*—
Continuous furnace.
Furnace construction. J. O. Griggs and B. H. Leeks. 2,155,418; Apr. 25.
Furnace or the like. H. L. De Frees. 2,155,968; Apr. 25.
Furnace structure. L. R. Robinson. 2,155,774; Apr. 25.
Furnaces, Apparatus for charging. A. J. Boynton. 2,155,927; Apr. 25.
Furrow dammer. T. D. Campbell. 2,155,891; Apr. 25.
Game. G. F. Wolfe. 2,155,814; Apr. 25.
Game apparatus. G. A. Swenson. 2,155,912; Apr. 25.
Garment hanger cover. H. C. Ruen. 2,155,737; Apr. 25.
Gases, Purifying flue. A. W. Anthony, Jr. 2,155,853; Apr. 25.
Gasket, Composition. W. M. West. 2,155,457; Apr. 25.
Gate latch. H. D. Swetman. 2,155,808; Apr. 25.
Gauge: *See*—
Pinion gauge. Radius turning gauge.
Pressure gauge.
Gear changing device. E. J. Thurber. 2,156,209; Apr. 25.
Gelatin. R. C. Newton and F. L. De Beukelaer. 2,155,733; Apr. 25.
Glass cutter. W. E. Baxter. 2,155,885; Apr. 25.
Glass cutter. D. Resh. 2,155,802; Apr. 25.
Glass cutter. G. C. Wyman. 2,156,249; Apr. 25.
Glass-making material. H. C. Lee. 2,155,721; Apr. 25.
Glass plates, Apparatus for suspending. G. P. Despret. 2,156,011; Apr. 25.
Glove construction. A. Bates. 2,156,140; Apr. 25.
Golf club. J. J. Howard. 2,155,830; Apr. 25.
Golf tee. M. Rider. 2,155,803; Apr. 25.
Goniometer. K. G. Holsten. 2,156,055; Apr. 25.
Grader blades, Attachment for road. H. A. Neuman. 2,156,190; Apr. 25.
Grapple. E. V. Brown. 2,156,109; Apr. 25.
Grating. F. Tench. 2,155,694; Apr. 25.
Grooves or channels in dielectric material, Producing. G. Mahlck. 2,156,156; Apr. 25.
Guard, Trousers. B. M. Takahashi. 2,156,206; Apr. 25.
Gun perforator. J. T. Phipps. 2,156,228; Apr. 25.
Hair curling device. F. C. Wallace and A. A. Leisy. 2,156,073; Apr. 25.
Hair parting device. W. D. Williamson. 2,155,917; Apr. 25.
Hair-waving apparatus. R. G. Leland. 2,155,975; Apr. 25.
Hairdressing tool. H. C. Schlicker. 2,156,255–6; Apr. 25.
Hammer, Glazing. J. Riedel. 2,155,683; Apr. 25.
Handle: *See*—
Machine handle.
Handles and the like, Reinforcement for. F. W. Rubin. 2,155,804; Apr. 25.
Handles, knobs, and the like, Attaching. G. A. Tinnerman. 2,155,810; Apr. 25.
Hanger: *See*—
Scaffold hanger. Trousers hanger.
Hanger for garments. R. Bernhardt. 2,155,886; Apr. 25.
Harvester thresher, Combination. W. F. MacGregor. 2,155,671; Apr. 25.
Hat, Adjustable and washable lady's. J. Carlson. 2,156,251; Apr. 25.
Hat and sweat band therefor. H. H. Bracher. 2,155,965; Apr. 25.
Hats and products thereof, Manufacturing. H. Frankmann and H. Haakh. 2,156,238; Apr. 25.
Heading and trimming machine. A. J. Alberts. 2,155,920; Apr. 25.
Heat exchange unit. C. A. Leidig. 2,155,666; Apr. 25.
Heat exchanging element, Making a. A. J. Berg and J. O. Huse. 2,155,395; Apr. 25.
Heat exchanging elements, Method of and apparatus for making. A. J. Berg and J. O. Huse. 2,155,394; Apr. 25.
Heat, Method and apparatus for transferring. R. H. Carr. 2,155,383; Apr. 25.
Heat transfer system, Vapor. M. E. Fiene. 2,156,053; Apr. 25.
Heater: *See*—
Water heater.
Heater for permanent wave apparatus. P. C. Rilling. 2,155,616; Apr. 25.
Heating device, Recirculating. W. M. Willett and G. T. Markey. 2,156,101; Apr. 25.
Heating element for furnaces or the like, Tubular. C. H. Stevenson. 2,155,691; Apr. 25.
Heating system. R. L. Campbell. 2,155,890; Apr. 25.
Hexylresorcinol capsule. P. S. Pittenger and J. W. Jester. 2,155,444; Apr. 25.
Hexylresorcinol capsules, Manufacture of. P. S. Pittenger and J. W. Jester. 2,155,445; Apr. 25.
High frequency apparatus. H. G. Fischer. 2,155,786; Apr. 25.
High frequency apparatus. G. A. Hobart, 3d. 2,156,016–17; Apr. 25.
Hinge mechanism for the moving or control surfaces of aircraft. R. Tampier. 2,155,513; Apr. 25.
Hitch, Adjustable plow. W. E. Knapp. 2,155,715; Apr. 25.
Holder: *See*—
Book holder. Condiment holder.
Box holder. Cosmetic holder.
Chart holder. Yarn holder.
Hood for up-type collers, Semiarticulated forming. D. H. Washburn and E. B. Hudson. 2,155,879; Apr. 25.
Hoop and making it, Painted. J. H. Bowman. 2,156,107; Apr. 25.
Hose coupling. D. F. Bruce. 2,155,640; Apr. 25.
Hosiery, Knitting. E. Ruckel. 2,155,686; Apr. 25.
Housing for repeater apparatus. J. J. Gilbert. 2,155,650; Apr. 25.
Humidifier. B. Ruppert. 2,155,805; Apr. 25.
Hydraulic release for well bottoms. R. N. Bean. 2,155,382; Apr. 25.
Hydraulic setting tool, Bottom connection. R. N. Bean, H. C. Block, and L. A. Layne. 2,155,381; Apr. 25.
Hydrocarbons from well fluids, Recovery of liquid. G. S. Bays. 2,156,234; Apr. 25.
Ice creeper. E. Prondecki. 2,155,979; Apr. 25.
Ice removing device. J. R. Royer, A. W. Blaine, and L. R. Weir. 2,156,066; Apr. 25.
Igniter for gas burners, Electric. L. W. Beebe. 2,155,524; Apr. 25.
Ignition system and cut-off. B. L. Matthews and J. T. Marvin. 2,155,976; Apr. 25.
Illuminated sign. E. Lowinger. 2,155,904; Apr. 25.
Illumination. W. Harrison. 2,156,087; Apr. 25.
Imadazolines containing at least 10 carbon atoms, Manufacture of. E. Waldmann and A. Chwala. 2,155,877–8; Apr. 25.
Images, Producing incandescent. P. T. Farnsworth and H. S. Bamford. 2,155,478; Apr. 25.
Inclinometer, Well hole. H. H. Jones. 2,155,552; Apr. 25.
Indicating instrument for aircraft. H. Doyle. 2,156,012; Apr. 25.
Indicator: *See*—
Electrical indicator.
Information service, Centralized. C. de Vriendt and H. E. A. Borzer. 2,155,933; Apr. 25.
Ink and making the same, Duplicating. W. J. Hughes. 2,155,861; Apr. 25.
Ink, Duplicating. W. J. Hughes. 2,155,862; Apr. 25.
Ink ribbons, Freshing-up. H. Graf. 2,155,653; Apr. 25.
Insert for shoe heels. H. E. Protz. 2,155,905; Apr. 25.
Insulating material, Ceramic. G. L. McGreery, V. E. Campbell, and R. Higgins. 2,155,835; Apr. 25.
Insulator. G. A. Mead. 2,155,836; Apr. 25.
Insulator. W. A. Smith. 2,155,846; Apr. 25.
Insulator. J. J. Taylor. 2,155,848; Apr. 25.
Internal combustion engine. J. Sapp. 2,155,775; Apr. 25.
Iron structure, Rotary. A. F. Yoerg. 2,155,779; Apr. 25.
Iso-alloxazine derivatives and manufacture of same. P. Karrer. 2,155,555; Apr. 25.
Joint: *See*—
Concrete box joint. Round corner joint.
Miter joint. Universal joint.
Rail joint.
Kaleidoscopic device. W. Schmidt. 2,155,563; Apr. 25.
Keyboard for power-driven writing machines. O. J. Sundstrand. 2,155,998; Apr. 25.
Kitchen waste unit. A. Alexay. 2,156,075; Apr. 25.
Knitting machine. R. C. Amidon. 2,155,386; Apr. 25.
Knitting machine. N. Levin. 2,156,185; Apr. 25.
Ladle, Covered. M. W. Goldberg. 2,155,540; Apr. 25.
Ladle, Portable melting. R. W. Chapman. 2,155,930; Apr. 25.
Lamp: *See*—
Electric discharge lamp. Electric lamp.
Latch: *See*—
Gate latch.
Latch mechanism and operating means therefor. E. I. Vanderlinde. 2,156,004; Apr. 25.
Lathe, Crankshaft. R. Dreverhoff. 2,155,857; Apr. 25.
Lathe, Multiple spindle vertical crankshaft. W. F. Groene, H. J. Siekmann, and W. R. Meyer. 2,156,153; Apr. 25.
Leather stretching apparatus. C. H. Johanson. 2,155,833; Apr. 25.
Lifesaving device, Parachute garment. W. D. Upson. 2,156,210; Apr. 25.
Lift, Toilet cover and seat. G. Hompesch. 2,155,548; Apr. 25.
Light and sign structure, Combined street. R. W. Ranney. 2,156,194; Apr. 25.
Light modulating device. J. H. Jeffree. 2,155,659–6; Apr. 25.
Light mount. E. Brand. 2,155,752; Apr. 25.
Lignin, Making. E. T. Olson, R. Katzen, and R. H. Plow. 2,156,159; Apr. 25.
Lignin molding compound. E. T. Olson and R. H. Plow. 2,156,160; Apr. 25.
Linear control circuit. J. S. Campbell. 2,155,966; Apr. 25.
Liquid dispenser. T. J. Dykema. 2,156,112; Apr. 25.

Liquid dispensing container, Collapsible paper board. D. Bensel. 2,155,636; Apr. 25.
Liquid pressure remote control system. E. C. S. Clench. 2,155,529; Apr. 25.
Liquid, Sampling a. D. L. Parkhurst. 2,155,442; Apr. 25.
Liquids, Apparatus for demulsifying and settling. W. M. Mount. 2,156,123; Apr. 25.
Loader anchorage for railway cars. W. D. Thompson. 2,155,695; Apr. 25.
Lock: *See*—
Cylinder lock. Paper lock.
Lock. P. W. Olson. 2,155,440; Apr. 25.
Lock for bicycles. N. C. Nielsen. 2,155,994; Apr. 25.
Lock tumbler. P. W. Olson. 2,155,734; Apr. 25.
Locking apparatus for Venetian blinds, Cord. W. W. Lewis. 2,155,945; Apr. 25.
Locking device for lazy tong structures. V. Di Giacomo and L. Salemi. 2,156,148; Apr. 25.
Locomotive. J. G. Blunt. 2,155,926; Apr. 25.
Logging apparatus. E. H. King. 2,156,183; Apr. 25.
Logging device. C. W. Cooper. 2,156,052; Apr. 25.
Loudspeaker. F. L. Creager. 2,155,474; Apr. 25.
Lure for combating rodents. H. Maier-Bode, K. Brodersen, and H. Behncke. 2,155,949; Apr. 25.
Machine for cutting ice cakes into cubes. F. G. Smith. 2,156,247; Apr. 25.
Machine for handling and applying sheets of material. G. W. von Hofe. 2,156,134; Apr. 25.
Machine for laying breast covers at the joint between the heel and shoe. O. Graf. 2,156,239; Apr. 25.
Machine for making frozen confections or the like. J. F. Robb. 2,155,995; Apr. 25.
Machine for operating upon the heel-portions of shoes. F. L. Brandt. 2,155,527; Apr. 25.
Machine for separating solid materials. F. N. Fairbank. 2,155,587; Apr. 25.
Machine for use in applying heels to shoes. E. H. Bastable. 2,155,581; Apr. 25.
Machine handle. N. B. Smyers. 2,156,200; Apr. 25.
Machine tool. E. J. Wells. 2,155,573; Apr. 25.
Magnetic separation, Method of wet. C. Q. Payne. 2,156,125; Apr. 25.
Manhole cover. C. H. Smith. 2,156,166; Apr. 25.
Manifolding assembly for mailing. O. Blitz. 2,156,142; Apr. 25.
Manifolding record assembly. E. K. Bottle. 2,156,143; Apr. 25.
Map. W. C. Anderson. 2,155,387; Apr. 25.
Marker. M. Menachof. 2,155,992; Apr. 25.
Marking apparatus. H. Rumrill. 2,156,197; Apr. 25.
Mask. H. A. Jackson. 2,156,181; Apr. 25.
Material, Method and apparatus for screening wet. A. W. Lissauer. 2,155,764; Apr. 25.
Materials, Concentrating. B. D. Thomas. 2,156,168; Apr. 25.
Materials from cellulose materials, Dyeing artificial textile. P. Schlack. 2,156,069; Apr. 25.
Materials, Manufacture of cellulose derivative. H. Dreyfus. 2,155,411; Apr. 25.
Materials, Waterproofing hygroscopic. W. E. Lawson. 2,155,499; Apr. 25.
Mattress border forming device. M. Marsack. 2,156,059; Apr. 25.
Measuring circuit. H. E. Vaughan. 2,155,696; Apr. 25.
Measuring line equipment. D. Scaramucci. 2,155,620; Apr. 25.
Mercury compounds, Preparing organic. C. N. Andersen. 2,155,922; Apr. 25.
Mercury switch. C. H. Larson. 2,155,428; Apr. 25.
Metal carbides, Making abrasive. R. R. Ridgway. 2,155,682; Apr. 25.
Metal receptacle. L. M. Piker. 2,155,871; Apr. 25.
Metal sheets, Method and apparatus for punching. G. J. Greiner. 2,156,015; Apr. 25.
Metals or other materials, Spraying. C. F. Lumb. 2,155,948; Apr. 25.
Metals, Preventing adherence of congealed substances to. C. Hardy. 2,155,592–3; Apr. 25.
Metering valve. R. W. Johnson. 2,155,761; Apr. 25.
Methallyl cinnamate. E. C. Britton and C. L. Moyle. 2,155,856; Apr. 25.
Methane and the homologues thereof, Chlorinating. K. Dachlauer and E. Schnitzler. 2,156,039; Apr. 25.
Microtome. E. Bausch and G. Fassin. 2,155,523; Apr. 25.
Milk cooling cabinet. A. A. McMurray. 2,155,502; Apr. 25.
Milk, Purifying. R. W. Schmidt. 2,155,843; Apr. 25.
Mill: *See*—
Rolling mill.
Milling machine. A. L. Krause. 2,155,864; Apr. 25.
Minerals and other materials, Apparatus for pulverizing. C. W. Young. 2,155,697; Apr. 25.
Mining machine chain, Reversible. C. L. Bowman. 2,155,526; Apr. 25.
Miter joint. A. Mainieri. 2,155,729; Apr. 25.
Mold: *See*—
Concrete step mold. Container—making mold.
Motor. A. S. Hartanov. 2,155,708; Apr. 25.
Motor and pump, Hydraulic. H. Thoma. 2,155,455; Apr. 25.
Motor control. H. E. Kranz. 2,155,557; Apr. 25.
Motor vehicle. F. C. Best. 2,155,750; Apr. 25.
Motor vehicle. P. N. Miller. 2,155,503; Apr. 25.
Mounting: *See*—
Ophthalmic mounting. Shaft bearing mounting.
Propeller shaft mounting.
Mounting for disk plows, Scraper. J. P. Seaholm. 2,155,739; Apr. 25.
Mounting for robe cords. A. Rydquist. 2,155,738; Apr. 25.
Movement into continuous rotary movement, Transforming alternating rectilinear. A. Latil. 2,155,497; Apr. 25.
Mower attachment. J. P. Calcaterra and P. Ferrero. 2,156,009; Apr. 25.
Mower, Power. A. Korsmo and M. Ronning. 2,155,716; Apr. 25.
Multicylinder engine. L. R. Spencer. 2,156,203; Apr. 25.
Music synthetically, Apparatus for producing. M. L. Severy. 2,155,741; Apr. 25.
Nut shells, Bleaching. J. A. Armstrong. 2,155,923; Apr. 25.
Oil, Solvent refining hydrocarbon. L. P. Evans. 2,155,644; Apr. 25.
Oil, Tree spray. J. A. Anderson. 2,155,630; Apr. 25.
Oils, fats, and other soluble constituents from materials containing the same, Process and apparatus for extraction of. M. Bonotto. 2,156,236; Apr. 25.
Oils, Preparing lubricating. C. R. Wagner and W. A. Raine. 2,155,745; Apr. 25.
Olefins from gas mixtures, Separation of tertiary. G. Stern and W. Friedrichsen. 2,156,070; Apr. 25.
Opener, Bottle. T. H. Low. 2,155,947; Apr. 25.
Operating mechanism. C. Thumim. 2,156,072; Apr. 25.
Ophthalmic mounting. V. Tanasso and J. J. Pomeranz. 2,155,693; Apr. 25.
Optical instrumentality provided with a variable light filter. J. A. McNally. 2,155,436; Apr. 25.
Oscillation generating system. A. Senauke. 2,156,230; Apr. 25.
Oscillator, High frequency. C. W. Rice. 2,156,029; Apr. 25.
Outlet box anchoring device. V. O. Welch. 2,155,627; Apr. 25.
Outsert attachment. T. Jensen. 2,156,241; Apr. 25.
Oven and pull-out drawer thereof, Broiler. J. R. Haley. 2,155,654; Apr. 25.
Oven, Underfired regenerative coke. W. H. Pavitt. 2,155,954; Apr. 25.
Overflow and pressure valve, Combination. N. V. Caminiti. 2,155,400; Apr. 25.
Ozonizer. M. J. Napier. 2,155,675; Apr. 25.
Ozonizer, Adjustable. M. J. Napier. 2,155,676; Apr. 25.
Package. J. W. Little. 2,155,668; Apr. 25.
Packer lock. R. N. Bean. 2,155,380; Apr. 25.
Packing, Engine. R. C. Payne. 2,156,227; Apr. 25.
Padding for inner trim panels, Preparing. L. N. Stemper. 2,155,875; Apr. 25.
Padlock, Permutation. A. W. Molinare. 2,155,732; Apr. 25.
Pan for flush tanks, Drip. F. C. Braatz. 2,156,174; Apr. 25.
Paper treatment. H. S. Mitchell. 2,155,731; Apr. 25.
Pattern for kaleidoscopic device. W. Schmidt. 2,155,565; Apr. 25.
Pea hulling machine. T. Komaki. 2,155,793; Apr. 25.
Pectinlike substances, Producing. P. B. Myers. 2,156,223; Apr. 25.
Peg, Steel tent. J. A. Little. 2,156,021; Apr. 25.
Per compounds, Stabilization of. A. W. Goodall and O. H. Walters. 2,155,704; Apr. 25.
Photographic treating bath. G. L. Maiser. 2,155,501; Apr. 25.
Pickling process. H. C. Barnes and E. N. Millan. 2,155,854; Apr. 25.
Pictures and sound films, Producing colored. B. Gáspár. 2,155,894; Apr. 25.
Pinion gauge, Differential. A. E. Price. 2,155,562; Apr. 25.
Pinking machine. M. Wollman. 2,155,815; Apr. 25.
Pipe: *See*—
Smoking pipe.
Pipe. W. W. Bernard. 2,156,171; Apr. 25.
Pipe connections, Apparatus for testing. J. Keulers. 2,155,602; Apr. 25.
Pipe, Manufacture of spiral. A. K. Harford. 2,155,859; Apr. 25.
Pipe thread protector. B. Engstrom. 2,156,113; Apr. 25.
Planographic printing plate and making the same. F. L. Simons. 2,156,100; Apr. 25.
Plant for working mercury ores. J. Plüschke. 2,156,192; Apr. 25.
Planter. O. J. Parks, and M. Ronning. 2,155,443; Apr. 25.
Plaque, Bank. J. V. Cavelero. 2,156,081; Apr. 25.
Plasticizer, Vulcanizable. B. S. Garvey. 2,155,590–1; Apr. 25.
Plug: *See*—
Spark plug.
Polishing and abrading head. O. P. Hill. 2,156,179; Apr. 25.
Positions by radio beacons, System for determining. E. Müller. 2,156,060–61; Apr. 25.
Power bender. C. P. Chamberlin and J. H. Toner. 2,156,146; Apr. 25.

Press: *See*—
Cam-action punch press.
Pressure gauge, Bottom hole. E. O. Bennett. 2,155,635; Apr. 25.
Pressure in automobile tires, Apparatus for indicating the amount of. F. G. Leavenworth. 2,155,903; Apr. 25.
Pressure in pneumatic tires for automobiles, Apparatus for indicating the amount of. F. G. Leavenworth and M. J. Green. 2,155,865; Apr. 25.
Pressure regulator. C. M. Laughlin. 2,155,558; Apr. 25.
Prints, Apparatus for developing photographic. L. G. Simjian. 2,155,511; Apr. 25.
Printing, Method of and apparatus for. W. J. Wilkinson. 2,155,458; Apr. 25.
Propeller. E. W. Austin. 2,156,102; Apr. 25.
Propeller. T. H. Troller. 2,156,133; Apr. 25.
Propeller shaft mounting. J. A. Nyland. 2,155,953; Apr. 25.
Propellers, Arrangement for automatically regulating the pitch of variable pitch. H. Ebert. 2,155,586; Apr. 25.
Protective device, Electric. K. A. Lohausen. 2,156,058; Apr. 25.
Protective gap. H. L. Rorden. 2,155,841; Apr. 25.
Protector: *See*—
Carcass tongue protector. Thread protector.
Pipe thread protector. Tongue protector.
Protein composition, Manufacture of. C. L. Griffith. 2,155,417; Apr. 25.
Pump. F. E. Stelzer. 2,155,452; Apr. 25.
Pump silencing device. F. A. Firestone, E. J. Abbott, and J. D. Kraus. 2,155,756; Apr. 25.
Pumping system and operating same. R. H. Carr. 2,155,384; Apr. 25.
Punch, Rail. P. M. Bibb. 2,156,172; Apr. 25.
Puppet. V. Leeper. 2,155,665; Apr. 25.
Rack: *See*—
Bottle rack.
Rack for rectangular roasters. K. L. Woodman. 2,156,214; Apr. 25.
Radio direction finder. R. J. Kemp and D. L. Plaistowe. 2,155,492; Apr. 25.
Radio relay and distribution system. A. N. Goldsmith. 2,155,821; Apr. 25.
Radio receiving apparatus. J. E. Beggs. 2,156,078; Apr. 25.
Radiographs of body sections or body layers, Apparatus for making. E. Augustin, K. Fügmann, W. Klein, H. Schliemann, and H. Herrmann. 2,156,170; Apr. 25.
Radius turning gauge. G. M. Graham and A. E. Price. 2,155,541; Apr. 25.
Rail joint. M. Mitin. 2,156,189; Apr. 25.
Railway vehicle. B. W. Kadel and D. S. Barrows. 2,155,662; Apr. 25.
Rake classifier. D. M. Wright. 2,155,748; Apr. 25.
Razor and blade therefor, Safety. L. A. Young and J. M. Oldham. 2,155,749; Apr. 25.
Reading stand. A. K. O'Meara. 2,156,225; Apr. 25.
Receptacle: *See*—
Electric receptacle. Metal receptacle.
Receptacle. H. Negbaur and R. Nyden. 2,155,613; Apr. 25.
Receptacle and closure, Panel. J. Visser. 2,155,962; Apr. 25.
Recorder, Watch rate. C. H. Fetter and J. G. Matthews. 2,155,646; Apr. 25.
Rectifier, Dry. O. Geisler and H. Herrmann. 2,156,054; Apr. 25.
Reduction with methanol. C. E. Andrews and M. R. Fenske. 2,156,217; Apr. 25.
Reel. H. C. Porter. 2,155,769; Apr. 25.
Reel drum. H. C. Porter. 2,155,770; Apr. 25.
Refractory material. A. F. Greaves-Walker and R. L. Stone. 2,155,858; Apr. 25.
Refrigerating apparatus. H. B. Hull. 2,155,831; Apr. 25.
Refrigerating apparatus. J. Kirgan. 2,155,664; Apr. 25.
Refrigerating machine. M. G. Robinson. 2,156,096; Apr. 25.
Refrigeration apparatus. R. H. Tull and B. J. Homkes. 2,155,516; Apr. 25.
Refrigerator. W. E. Snipes, Sr. 2,156,201; Apr. 25.
Refrigerator attachment. O. K. Koski. 2,156,184; Apr. 25.
Refrigerator door. W. W. Carroll. 2,155,967; Apr. 25.
Register, Cash. S. Brand. 2,155,928; Apr. 25.
Regulator: *See*—
Pressure regulator. Speed regulator.
Regulator system. D. E. Trucksess. 2,155,515; Apr. 25.
Resin and making same and varnish containing same, Color-table phenolic. J. B. Rust. 2,155,907; Apr. 25.
Resin composition, Plasticized. H. A. Bruson. 2,156,144; Apr. 25.
Resin compositions. R. A. Jacobson. 2,155,863; Apr. 25.
Resin production. J. Rivkin. 2,156,126; Apr. 25.
Resins and nitrogen containing organic compound addition products, Synthetic. E. E. Novotny. 2,156,124; Apr. 25.
Resistance shunt. H. A. Ganz and R. A. Kamm. 2,155,789; Apr. 25.
Rest for lathes, Compound. W. F. Groene. 2,155,707; Apr. 25.
Ribbon, Packaging of. R. G. Buser. 2,155,641; Apr. 25.
Riveting machine. F. C. Snyder and G. C. Brown. 2,156,167; Apr. 25.
Road surfacing device. E. J. Branson. 2,155,889; Apr. 25.
Road tool. J. G. Tullis. 2,155,571; Apr. 25.
Roaster, Electric. B. F. Parr. 2,156,215; Apr. 25.
Rock, Flotation of phosphate. H. L. Mead and J. L. Weaver. 2,156,245; Apr. 25.
Roll, Composite. W. H. Melaney. 2,155,610; Apr. 25.
Roller bearing. A. H. Goldsworthy. 2,155,897; Apr. 25.
Rolling mill. H. H. Wood. 2,155,747; Apr. 25.
Roof, Car. K. F. Nystrom. 2,155,677; Apr. 25.
Rotary engine. J. E. Horner. 2,156,180; Apr. 25.
Rotor, Aircraft sustaining. A. E. Larsen. 2,155,427; Apr. 25.
Round corner joint. W. T. Green. 2,155,969; Apr. 25.
Rubber composition, Pigmented. H. A. Gardner. 2,155,539; Apr. 25.
Rubber-like material and producing same. T. F. Bradley. 2,155,639; Apr. 25.
Rubber process and product. T. L. Shepherd. 2,155,621; Apr. 25.
Safety device for gas burners. P. L. Betz and S. Karrer. 2,156,235; Apr. 25.
Safety device for hydraulic servomotors. T. W. Kenyon, S. J. Zand, and B. G. Carlson. 2,155,421; Apr. 25.
Safetypin. M. V. Assaf. 2,155,987; Apr. 25.
Salts by base exchange by means of zeolite, Manufacture of. M. Drujon. 2,155,477; Apr. 25.
Salts of sulphonated terpene-phenol condensates and preparation thereof. W. W. Trowell. 2,155,961; Apr. 25.
Samples, Mixing. B. M. Hawes. 2,155,596; Apr. 25.
Sanitary seat cover. H. S. Toohy. 2,156,035; Apr. 25.
Saw grinding machine. W. H. Thurston. 2,155,809; Apr. 25.
Saw set. J. A. Johnson. 2,155,901; Apr. 25.
Scaffold hanger. F. Boomgarden. 2,155,888; Apr. 25.
Scaffolding bracket, Tubular. A. A. Thornton. 2,156,208; Apr. 25.
Scale and indicating means for use in connection therewith. K. S. Irvine. 2,155,600; Apr. 25.
Score registering device. C. J. Breitenstein and A. F. Chouinard. 2,155,929; Apr. 25.
Screen: *See*—
Window screen.
Screen for cathode ray tubes, Fluorescent. R. Behne and H. Hinderer. 2,155,465; Apr. 25.
Scum remover. H. S. Thomas. 2,155,960; Apr. 25.
Seal, Bearing. J. C. Williams. 2,155,628; Apr. 25.
Seal, Condenser tube. F. C. Jacobs. 2,155,491; Apr. 25.
Sealing device. R. H. Owens. 2,156,161; Apr. 25.
Seam for sheet metal can bodies, Side. P. E. Pearson. 2,156,026; Apr. 25.
Seam for sheet metal can bodies, Side. W. F. Punte. 2,156,028; Apr. 25.
Seat for infants, Closet. G. J. Zaio. 2,155,577; Apr. 25.
Seismic prospecting. S. A. Scherbatskoy. 2,156,198; Apr. 25.
Selectivity control, Automatic. J. E. Beggs. 2,156,077; Apr. 25.
Separator: *See*—
Automatic separator.
Duplex centrifugal separator.
Servomotor and control for transmissions. V. W. Kliesrath. 2,156,118; Apr. 25.
Sewing machine. F. M. Lee. 2,155,722; Apr. 25.
Sewing machines, Roller presser backstop device for. G. W. Wesson. 2,156,045; Apr. 25.
Shade bracket. J. A. Jumonville. 2,156,182; Apr. 25.
Shade capable of transmitting light uniformly, Paper window. C. A. Alt. 2,156,046; Apr. 25.
Shaft bearing mounting. E. Wooler and R. M. Riblet. 2,155,919; Apr. 25.
Shaft for golf clubs. J. H. Turner. 2,155,517; Apr. 25.
Shale from a naturally occurring borate, Removing. G. A. Connell and J. P. Rasor. 2,155,784; Apr. 25.
Shear, Flying. A. Borzym. 2,155,396; Apr. 25.
Shed-forming device. A. Johnson. 2,156,092; Apr. 25.
Sheet feeding machine. H. T. Backhouse. 2,156,139; Apr. 25.
Sheet polishing machine. S. Blickman. 2,155,637; Apr. 25.
Shelf and receptacle. H. C. Porter. 2,155,772; Apr. 25.
Shell assembling machine. A. Schmidt. 2,155,958; Apr. 25.
Shirt. M. W. Grigsby. 2,155,706; Apr. 25.
Shock absorber. P-F. G. B. von Oberstadt, now by change of name P. B. Oberstadt. 2,155,978; Apr. 25.
Shock absorber provided with a stress limiting device. R. L. Levy. 2,155,605; Apr. 25.
Shoe machine. A. R. Morrill. 2,155,438; Apr. 25.
Shoe, Orthopedic. M. Hack and D. R. Brady. 2,156,086; Apr. 25.
Shoes, Manufacture of. H. Warren. 2,155,572; Apr. 25.
Siding, Emergency. J. A. Gougar. 2,155,790; Apr. 25.
Sight for toy guns. T. R. Arden. 2,155,391; Apr. 25.
Sighting means for guns. T. R. Arden. 2,155,389–90; Apr. 25.
Sign: *See*—
Display sign. Illuminated sign.
Electric sign. Traffic control sign.
Signal translating apparatus. A. D. Burt. 2,155,469; Apr. 25.

Signaling device for vehicles, Automatic direction. R. Markham. 2,155,433; Apr. 25.
Signaling, Electro-optical. F. Schröter. 2,155,509; Apr. 25.
Signaling system, Railway. P. H. Dowling. 2,155,532; Apr. 25.
Signaling system, Railway. G. R. Pflasterer. 2,155,870; Apr. 25.
Silk, Manufacture of artificial. O. Elshènhut, H. Rein, and E. Kaupp. 2,155,934; Apr. 25.
Silver halide emulsions, Sensitizing. W. Dieterle. 2,155,475; Apr. 25.
Skate walking appliance, Ice. C. C. Colbert. 2,155,472; Apr. 25.
Sky writing device. R. Connor. 2,156,010; Apr. 25.
Sled, Hand. W. E. Kidder. 2,155,714; Apr. 25.
Sleeping car. E. J. W. Ragsdale and J. F. Clary. 2,156,229; Apr. 25.
Slide, caster, or the like for furniture. W. F. Herold. 2,155,829; Apr. 25.
Slivers from textile fibers, Production of. T. W. Holt and J. B. Butler. 2,155,598; Apr. 25.
Slub catcher or yarn cleaner. H. W. Hitchcock. 2,155,900; Apr. 25.
Smoking pipe. D. W. Alpha and E. A. Shepherd. 2,155,780; Apr. 25.
Spark plug. E. H. Fenn. 2,155,481; Apr. 25.
Speed regulator. G. E. Howard. 2,156,116; Apr. 25.
Speedometer. E. V. Dardani. 2,156,085; Apr. 25.
Speedometer for motor vehicles. E. V. Dardani. 2,156,084; Apr. 25.
Spindle drive, Safety manual and power. L. L. Schauer. 2,155,667; Apr. 25.
Spool for industrial thread. G. W. Krentler. 2,156,243; Apr. 25.
Spout, Container. V. H. Severy. 2,155,910; Apr. 25.
Spray, Insecticidal oil. D. G. Loetscher. 2,155,946; Apr. 25.
Spraying device. D. A. Sprigings. 2,155,847; Apr. 25.
Spraying device. W. M. Vogel. 2,155,850; Apr. 25.
Spraying device for airplane propellers. H. D. Austin. 2,156,103; Apr. 25.
Sprinkler head, Pendant. W. K. Hodgman. 2,155,990; Apr. 25.
Sprue-forming device. P. L. Perazo. 2,155,800; Apr. 25.
Stabilizing device. C. von den Steinen. 2,155,892; Apr. 25.
Stabilizing device for ships. C. von den Steinen. 2,155,456; Apr. 25.
Stage device for conjuring representations. E. Pfannekuchen. 2,155,767; Apr. 25.
Stamp. F. W. Humphner. 2,156,018; Apr. 25.
Stand: *See*—
Reading stand.
Starting box. T. A. Keen. 2,156,043; Apr. 25.
Steel alloy and making same, Permanent magnet. G. B. Jonas. 2,156,019; Apr. 25.
Steering wheel, Rubber. G. S. Hendrie. 2,155,488; Apr. 25.
Stock attaching device for firearms. A. F. Laudensack. 2,155,498; Apr. 25.
Stock controlled mechanism. C. E. Miller. 2,156,157; Apr. 25.
Stock feeding means for automatic machine tools. S. Baxendale and J. Evasic. 2,155,634; Apr. 25.
Stoker, Locomotive. J. J. Kress. 2,155,604; Apr. 25.
Stoker, Locomotive. C. J. Surdy. 2,155,624; Apr. 25.
Stone, Artificial construction. F. L. Decker. 2,155,531; Apr. 25.
Stop for rotating spindles, Automatic positive. R. E. Price. 2,155,681; Apr. 25.
Stopper, Web holding and guiding. G. F. French. 2,156,152; Apr. 25.
Stove or the like, Electric. F. J. La Mere. 2,155,425; Apr. 25.
Strainer and fabricating same, Insulated. H. L. Bowers and N. E. Brice. 2,155,964; Apr. 25.
Strainer, Well. L. A. Layne. 2,155,719–20; Apr. 25.
Strainer, Well. C. van Westrum. 2,155,744; Apr. 25.
Strands, Treating. W. E. Mahoney. 2,156,244; Apr. 25.
Strap holding and guiding clip. H. C. Porter. 2,155,773; Apr. 25.
Strata, Chemical plugging of brine-bearing. T. H. Dunn. 2,156,219; Apr. 25.
Strata, Chemical plugging of. T. H. Dunn. 2,156,220; Apr. 25.
Streptococcus antigen. G. F. Hibbert. 2,156,240; Apr. 25.
Strip aligning means. I. S. Bodkin. 2,156,038; Apr. 25.
Stripping machine. S. S. Millen. 2,155,977; Apr. 25.
Strut, Shock. C. V. Johnson. 2,156,117; Apr. 25.
Supply valve, Float operated. R. H. Zinkil. 2,155,698; Apr. 25.
Support. L. B. Paul. 2,156,025; Apr. 25.
Supporter, Hose. W. E. Hatheway. 2,155,711; Apr. 25.
Supporting apparatus for Venetian blinds. W. W. Lewis. 2,155,944; Apr. 25.
Supporting device for revolving flat cards. W. L. Blackwelder. 2,156,007; Apr. 25.
Surgical and medical preparations. W. O. Herrmann, B. Braun, and W. Haehnel. 2,155,658; Apr. 25.
Surgical reducing frame. E. E. Longfellow. 2,155,866; Apr. 25.
Surveyor's plane table. E. S. Gandrud. 2,155,538; Apr. 25.
Sway bar. B. D. McIntyre. 2,155,867; Apr. 25.
Sweeping machine. J. R. Royer. 2,156,065; Apr. 25.
Switch: *See*—
Electric switch.
Mercury switch.
Switch. V. Sherman. 2,155,689; Apr. 25.
Switch detail, High frequency electrical. J. F. Frese. 2,155,537; Apr. 25.
Switch indexing mechanism, Electric. G. H. Hart. 2,155,594; Apr. 25.
Syringes, Hypodermic and other. A. C. McKay. 2,156,023; Apr. 25.
Table: *See*—
Double ironing table.
Surveyor's plane table.
Table for machine tools, Rotary. M. Pfauter. 2,155,680; Apr. 25.
Table mechanism for printing presses, Delivery. F. W. Seybold. 2,156,032; Apr. 25.
Tables, Fixture for extension leaf. L. Siev. 2,156,044; Apr. 25.
Tank: *See*—
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Tank ball valve. S. M. Kass. 2,155,902; Apr. 25.
Tape, Adhesive coated. H. R. Dalton. 2,156,083; Apr. 25.
Tape advancing machine. A. D. Eitzen. 2,155,414; Apr. 25.
Tar, Distilling. E. T. Olson and R. Katzen. 2,156,158; Apr. 25.
Telephonic communications, Reproducing. R. Milde. 2,156,094; Apr. 25.
Telescope or the like. O. E. Trautmann. 2,155,569; Apr. 25.
Teletype apparatus. J. W. Adams and R. L. Cornwell. 2,155,882; Apr. 25.
Television, Transmitting synchronizing pulses in. P. T. Farnsworth. 2,155,479; Apr. 25.
Temperature control system. P. F. Shivers. 2,155,984; Apr. 25.
Template means, Adjustable. N. K. Gottwald. 2,155,705; Apr. 25.
Tennis playing machine. J. J. Fazioli. 2,155,480; Apr. 25.
Tensioning tool. H. C. Porter. 2,156,062; Apr. 25.
Textile materials containing organic derivatives of cellulose, Production and treatment of artificial. H. Dreyfus. 2,155,410; Apr. 25.
Therapeutic composition. L. L. Manchey. 2,156,254; Apr. 25.
Therapeutic composition. J. H. Wright. 2,156,233; Apr. 25.
Thermostatically controlled valve. L. F. Whitney. 2,155,880; Apr. 25.
Thimble. A. R. Fauria. 2,155,536; Apr. 25.
Thread protector. J. Kahn and W. F. Schulz. 2,156,221; Apr. 25.
Thrust bearing. C. H. Hellyar. 2,155,657; Apr. 25.
Ticket printing and issuing machine for totalizators. J. Handley. 2,155,655; Apr. 25.
Tin from lead containing tin and other impurities, Removal of. T. E. Harper, Jr., and G. Reinberg. 2,155,545; Apr. 25.
Tire. H. C. Hower. 2,155,972; Apr. 25.
Toaster, Electric. O. M. Anderson and N. T. Almquist. 2,155,852; Apr. 25.
Toaster for electric ranges. H. Strause. 2,155,623; Apr. 25.
Tongue protector. A. S. Hartanov. 2,155,710; Apr. 25.
Tongue protector. G. Terry. 2,155,743; Apr. 25.
Tongue protector method. A. S. Hartanov and C. L. Lohner. 2,155,799; Apr. 25.
Tool: *See*—
Cutting tool.
Ferrule expanding tool.
Hair dressing tool.
Hydraulic setting tool.
Machine tool.
Road tool.
Tensioning tool.
Wire bending and clenching tool.
Tool for applying emergency chains to automobile tires. J. C. Bishop. 2,155,466; Apr. 25.
Tooth rest. G. J. Thomas. 2,156,034; Apr. 25.
Top, Condiment shaker. M. C. T. Lewis. 2,155,606; Apr. 25.
Top for paper boxes, Die cut lock. W. V. Crook. 2,155,530; Apr. 25.
Towel. B. Osborne. 2,155,441; Apr. 25.
Towel dispenser. J. C. Perrin and P. L. Geer. 2,155,679; Apr. 25.
Toy advertising device, Combined. N. Fulton. 2,155,788; Apr. 25.
Toy structural material. A. F. Howard. 2,156,155; Apr. 25.
Tractor hitch. V. N. Albertson. 2,155,379; Apr. 25.
Tractor wheel. K. Helgeson. 2,155,938; Apr. 25.
Traffic control sign. R. W. Hunter. 2,155,832; Apr. 25.
Traffic control system and apparatus. H. A. Wilcox and J. L. Barker. 2,156,138; Apr. 25.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,155,554; Apr. 25.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,156,042; Apr. 25.
Traffic controlling system for railroads, Centralized. N. D. Preston and C. S. Bushnell. 2,155,561; Apr. 25.
Trailer brake. R. Hinton. 2,155,547; Apr. 25.

Trailer, Folding. C. L. Bond. 2,155,582; Apr. 25.
Train, Articulated. C. D. Rice. 2,155,615; Apr. 25.
Transmission. D. D. Dooley. 2,155,476; Apr. 25.
Transmission mechanism. J. W. Marsh. 2,155,434; Apr. 25.
Transmission, Variable speed. W. A. Duffield. 2,156,041; Apr. 25.
Trap: *See*—
Animal trap.
Trap. F. Harlow. 2,155,544; Apr. 25.
Tray attachment means. C. R. Veal. 2,155,813; Apr. 25.
Trichlorethylene, Stabilization of. A. A. Levine and O. Cass. 2,155,723; Apr. 25.
Trousers hanger. N. P. Schur. 2,156,031; Apr. 25.
Truck, Lift. A. M. Barrett. 2,155,580; Apr. 25.
Truck, Railway. W. J. Besler. 2,155,781; Apr. 25.
Tube drawing method. T. Moore and G. E. Nighthart. 2,155,437; Apr. 25.
Tube expander. G. A. Geyer. 2,155,416; Apr. 25.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 2,155,991; Apr. 25.
Typewriting machine. W. F. Helmond. 2,155,989; Apr. 25.
Typewriting machine. T. G. Nelson. 2,155,993; Apr. 25.
Typewriting machine. G. H. Sterling. 2,155,997; Apr. 25.
Typewriting machine. R. G. Thompson. 2,155,999–2,156,001; Apr. 25.
Typographical composing and distributing machine. F. C. Frolander and H. A. Burt. 2,155,588–9; Apr. 25.
Universal joint. G. W. Bill. 2,156,106; Apr. 25.
Utensil, Kitchen. M. Greene and L. Udey. 2,156,014; Apr. 25.
Utility cabinet. T. B. Stetzer. 2,156,131; Apr. 25.
Vacuum breaker. J. P. Wolff. 2,155,520; Apr. 25.
Vacuum cleaner. G. E. Lofgren. 2,155,669; Apr. 25.
Valve: *See*—
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Overflow and pressure valve.
Supply valve.
Tank ball valve.
Thermostatically controlled valve.
Valve construction. F. M. Hudson. 2,155,550; Apr. 25.
Valve control mechanism. S. Mayner. 2,155,796; Apr. 25.
Valve for brake systems. R. E. Scott. 2,155,873; Apr. 25.
Valve lubrication. G. P. Berry. 2,155,855; Apr. 25.
Valve oscillator arrangement, Thermionic. D. F. George. 2,155,649; Apr. 25.
Vapors from coffee roasting, Treatment of. G. L. Wendt and D. Fronmuller. 2,156,212; Apr. 25.
Vehicle: *See*—
Motor vehicle.
Railway vehicle.
Vehicle axle coupling. H. W. Jahn and H. G. Rendall. 2,155,940; Apr. 25.
Vehicle brake, Motor. T. Gyure. 2,156,178; Apr. 25.
Vehicle wheel. B. J. Anderson. 2,155,921; Apr. 25.
Vending machine. J. E. Romanoski. 2,156,196; Apr. 25.
Vise. W. Maki. 2,156,186; Apr. 25.
Vulcanizer. E. D. Rihn and E. D. Odenbaugh, Jr. 2,155,906; Apr. 25.
Vulcanizing apparatus. H. Meyer, Sr. 2,156,188; Apr. 25.
Wash tank. R. J. Anschicks. 2,155,464; Apr. 25.
Washing machine head frame. T. S. Watson. 2,155,963; Apr. 25.
Watch. H. C. Ruger. 2,155,842; Apr. 25.
Water for boilers and the like, Treatment of feed. J. P. A. McCoy. 2,155,435; Apr. 25.
Water heater. J. C. Sherrick. 2,155,567; Apr. 25.
Waterproofing construction for parapet walls. E. J. Walsh. 2,155,915; Apr. 25.
Wave guide impedance element and network. S. A. Schelkunoff. 2,155,508; Apr. 25.
Wave record analyzer. F. Rieber. 2,155,507; Apr. 25.
Wave transmitter, Ultra-short. K. Christ. 2,156,051; Apr. 25.
Wax from oil, Separation of. L. P. Evans and H. H. Gross. 2,155,645; Apr. 25.
Wax stripper and tension device. G. W. Wood. 2,155,918; Apr. 25.
Web roll control mechanism for printing machines. W. C. Wieking. 2,155,431; Apr. 25.
Web supply mechanism. A. Lundquist, R. A. Freeman, and W. C. Wieking. 2,155,430; Apr. 25.
Webbing and producing the same, Ladder and like. G. F. French. 2,156,150; Apr. 25.
Webbing, Reinforced ladder. G. F. French. 2,156,151; Apr. 25.
Weed-pulling appliance. J. N. Pride. 2,155,839; Apr. 25.
Welding apparatus. M. L. Eckman. 2,155,412–3; Apr. 25.
Wells, Apparatus for washing and cementing oil. J. E. Terrill. 2,156,207; Apr. 25.
Wheel: *See*—
Steering wheel.
Tractor wheel.
Vehicle wheel.
Wheel. F. H. Le Jeune. 2,155,667; Apr. 25.
Wheel and tire assembly. H. F. Schippel. 2,155,564; Apr. 25.
Wheel assembly. F. W. Burger. 2,155,988; Apr. 25.
Wheel suspension for motor vehicles, Front. R. Zavarella. 2,155,521; Apr. 25.
Window, Casement. H. H. Goldberg. 2,155,483; Apr. 25.
Window screen. G. A. Kreuscher. 2,155,424; Apr. 25.
Windows, Glass run for slidable. E. B. Lefevre. 2,155,559; Apr. 25.
Windshield cleaner. J. W. Anderson. 2,155,462; Apr. 25.
Wing system, Flapping. F. Budig. 2,155,468; Apr. 25.
Wire bending and clenching tool. W. Medved. 2,156,187; Apr. 25.
Wire, Making insulated. W. E. Cook. 2,155,403; Apr. 25.
Workpieces, Apparatus for expanding metallic tubular. B. Bannister. 2,155,883; Apr. 25.
Wrapping machine. W. B. Bronander. 2,155,398; Apr. 25.
Wringer drive mechanism. F. Bendheim and D. Hirstel. 2,155,525; Apr. 25.
Wringing device. W. H. Kober. 2,155,494; Apr. 25.
Yarn. L. Frenkel. 2,155,648; Apr. 25.
Yarn and fabric and making same, Textile. W. Whitehead. 2,155,519; Apr. 25.
Yarn holder. F. W. Paffen. 2,155,505; Apr. 25.
Yarns, Winding of. C. W. Addy and R. H. J. Riley. 2,155,461; Apr. 25.

CLASSIFICATION OF PATENTS

ISSUED APRIL 25, 1939

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 2: 2,156,165
32: 2,155,566
39: 2,155,568
44: 2,155,683
2— 8: 2,156,181
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309— 43: 2,156,227
311— 56: 2,156,044
312— 48: 2,156,196
60: 2,155,679
190: 2,155,962

U. S. GOVERNMENT PRINTING OFFICE, 1938

Patents Nos. 2,152,623 to 2,153,531

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April 4, 1939

Trade-Marks	151—No.	366,162 to No.	366,312,	inclusive.
T. M. Renewals	33			
Labels	25—No.	52,730 to No.	52,754,	inclusive.
Prints	27—No.	17,302 to No.	17,328,	inclusive.
Reissues	5—No.	21,040 to No.	21,044,	inclusive.
Plant Patents	3—No.	323 to No.	325,	inclusive.
Patents	909—No.	2,152,623 to No.	2,153,531,	inclusive.
Designs	113—No.	114,053 to No.	114,165,	inclusive.
Total	1,266			

Adjudicated Patents

(D. C. N. Y.) Elermann patent, No. 1,473,546, for weighted scraper, claims 1 and 3 *Held* valid and infringed. *Higginson* v. *Leffler*, 25 F. Supp. 977.

(C. C. A. N. Y.) Nagy patent, No. 1,580,670, for delivery mechanism for bottle-cap-assembling machines, *Held* invalid. *Nagy* v. *L. Mundet & Son*, 101 F.(2d) 82.

(C. C. A. N. Y.) Stranahan patent, No. 1,713,242, for steering-gear check, claims 1, 2, and 3 *Held* invalid. *General Motors Corporation* v. *Apollo Magneto Corporation*, 101 F.(2d) 53.

(C. C. A. Tex.) Price patent, No. 1,793,193, for apparatus for starting the flow of flowing wells, *Held* not infringed. *Price-Trawick, Inc.*, v. *Gas Lift Corporation*, 101 F.(2d) 134.

(C. C. A. N. Y.) Seth patent, No. 1,846,694, for antishimmying device for steering mechanism, claims 1, 2, 3, and 6 *Held* not infringed. *General Motors Corporation* v. *Apollo Magneto Corporation*, 101 F.(2d) 53.

(C. C. A. N. Y.) Paris patent, No. 1,864,051, for perforated card controlled machine, claims 39 and 40 *Held* infringed. *Paris* v. *Remington Rand*, 101 F.(2d) 64.

(D. C. N. J.) Poppe reissue patent, No. 19,921, for paper bag and process and machine for making same, *Held* valid and infringed. *Equitable Paper Bag Co.* v. *John Waldron Corporation*, 25 F. Supp. 966.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,029,008, R. A. Wilson, Means for and method of masking, decided February 24, 1939, claim 1.

Pat. 2,053,134, William Dalton, Freezing tray and release device therefor, decided March 18, 1939, claim 1.

Pat. 2,105,210, W. A. Berg, Warehouse truck, decided March 15, 1939, claims 4, 5, and 10.

Pat. 2,111,900, Theodore Nagel, Process for the manufacture of ethylene from oil, decided March 11, 1939, claims 1 and 2.

Trade-Mark Registrations Canceled

169,432. Negligee shirts. The Jackson & Gutman Company, Salisbury, Md. Registered June 12, 1923. Canceled March 3, 1939.

188,408. Ginger ale. Delatour Beverage Corporation, New York and Long Island City, N. Y. Registered August 26, 1924. Canceled March 3, 1939.

309,786. Malt beverages. The Stroh Products Company, Detroit, Mich. Registered January 30, 1934. Canceled March 3, 1939.

323,452. Clothing. National Garment Company, Inc., St. Louis, Mo. Registered April 16, 1935. Canceled March 3, 1939.

345,343. Machine tools. J. L. Lucas & Son, Inc., Bridgeport, Conn. Registered April 20, 1937. Canceled March 3, 1939.

353,158. Amontillado sherry. Hearn Department Stores, Inc., New York, N. Y. Registered December 28, 1937. Canceled March 3, 1939.

Print Registration Canceled

17,228. Fresh grapes. A. Giolitti, Sanger, Calif. Registered February 7, 1939. Canceled March 9, 1939.

Condition of Applications Under Examination at Close of Business March 18, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,465; Trade-Mark Division, 1,608. Oldest new case, July 28, 1938; oldest amended, Aug. 12, 1938.)
(The dates given are 1938 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 6	Oct. 15	698
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 7	Oct. 7	652
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 1	†Jan. 31	242
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 5	Nov. 5	424
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 19	Dec. 17	535
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 17	Sept. 5	1069
5725	7. JARBOE, C. G., Optics; Photography	Dec. 7	Dec. 7	926
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 25	Nov. 5	867
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 17	Nov. 18	589
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 3	†Jan. 4	596
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 3	Dec. 13	456
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 17	Sept. 26	630
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 4	Oct. 4	716
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Dec. 27	Dec. 23	467
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 12	Nov. 12	1113
5716	16. SPENCER, C. J., Telegraphy; Telephony	Sept. 20	Oct. 5	719
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Oct. 18	Oct. 15	474
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sept. 26	Sept. 21	540
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 13	Dec. 12	475
6005	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 5	†Jan. 10	299
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 17	Dec. 17	490
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 25	Nov. 25	735
7624	23. BUTTNER, W. J., Registers (part)	July 28	Aug. 12	284
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 10	†Jan. 10	380
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 12	Dec. 8	422
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 21	Nov. 18	595
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 19	Sept. 19	1009
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 16	Nov. 14	454
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 7	Nov. 8	608
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Sept. 28	Sept. 28	875
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 19	Dec. 19	620
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 9	Dec. 10	468
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs, Roads	Dec. 7	Nov. 18	698
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Jan. 4	†Jan. 16	264
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 21	Nov. 23	577
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 22	Oct. 11	566
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Sept. 16	Aug. 19	669
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering: Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 1	Oct. 1	532
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 13	Dec. 10	491
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 19	Oct. 20	1472
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Sept. 30	224
5882	42. CUTTING, H. O., Electric Signaling	Aug. 31	Sept. 3	653
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 28	Nov. 29	457
4087 B	44. HARVEY, L. P., Refrigeration	Oct. 19	Oct. 17	629
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Oct. 29	Nov. 3	662
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Oct. 27	Oct. 27	697
6082	47. LOWE, E. R., Clutches; Brakes	Dec. 5	Nov. 25	384
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 21	Dec. 22	363
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 2	Sept. 12	965
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 13	Sept. 14	1235
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 12	Dec. 12	722
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 5	Dec. 6	769
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Dec. 3	Dec. 3	610
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Dec. 17	Dec. 21	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1277
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 18	Oct. 18	1052
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 25	Nov. 1	440
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 16	Dec. 23	340
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 9	Dec. 16	587
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 12	Nov. 12	449
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 4	Oct. 13	557
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 21	Dec. 23	452
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 2	Nov. 10	373
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 9	Nov. 8	918
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 1	Oct. 6	593
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	Feb. 2	Feb. 23	1474
	(Labels and Prints	Mar. 7	Mar. 8	134
2605	Designs: H. H. KALUPY	Feb. 13	Feb. 23	999

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

Thornton *v.* Coe, Commissioner of Patents

No. 7,009. Decided December 29, 1938

Patentability—Section or Warper Beam.

Certain claims of an application for a section or a warper beam *Held* patentable.

Appeal from the District Court of the United States for the District of Columbia. Reversed.

Edgerton, *A. J.*, dissenting.

Mr. Geo. K. Woodworth and *Mr. Wm. L. Edmonston* for Thornton.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before Groner, Chief Justice, and Stephens and Edgerton, Associate Justices

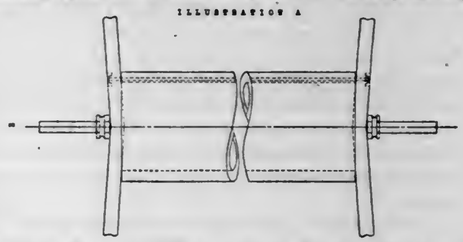
Stephens, *A. J.:*

This is an appeal from an order of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill of complaint filed by the appellant Thornton, hereafter referred to as Thornton, under R. S. § 4915, as amended. The appellant sought by the bill a decree authorizing and requiring the appellee, United States Commissioner of Patents, hereafter referred to as the Commissioner, to issue a patent upon Thornton's application No. 622,059, for improvements in section or warper beams. The present suit concerns only claims 9 and 10 of the application. These were rejected by the Primary Examiner and the rejection was affirmed by the Board of Appeals. The trial court held that the claims were not patentable over the prior art, and the sole issue raised by the assignment of errors is as to the correctness of that ruling.

Thornton testified as an expert in the trial court, and from his testimony the following appears in respect of section or warper beams. In a spinning mill the process, so far as here pertinent, is as follows: Fibre in its raw state is first machine carded to remove dirt. The fibres are then twisted and stretched until they are formed into a loosely twisted yarn, similar to cotton batting in consistency, called roving. This is wound upon a jack spool placed upon a spinning frame. Then the roving is drawn off the jack spool and spun into tightly twisted yarn which is wound upon a bobbin. A number of bobbins are placed upon a frame and the yarn wound from them onto spools or cones called packages or cheeses. These are placed in a creel and the yarn is wound from them, 500 to 800 threads simultaneously, onto a warper beam, which is in this phase of the process turned mechanically. A warper beam is nothing more than a very large spool—having a wooden barrel as much as 10 inches in diameter and circular heads of still greater diameter. The warper beam itself weighs about 175 pounds and carries from 500 to 700 pounds of yarn. After being filled with yarn the warper beam is placed in a machine called a slasher and the yarn is then drawn from the beam through a sizing box and wound onto loom beams, each of which is smaller than the warper beam and consequently carries a smaller quantity of yarn. Again, in this process of drawing the yarn from the warper beam, from 500 to 800 threads are unwound simultaneously; here, however, the warper beam is not turned mechanically but by the force exerted through the pull upon the strands of yarn as they are wound onto the loom beams.

For at least eight years prior to the introduction of Thornton's device into the art, warper beams were subject to the defect of "spreading" of the heads, as depicted in Illustration A. This spreading

ILLUSTRATION A



is caused by pressure against the heads of the beam resulting from the weight of the yarn when wound upon the beam and from expansion of the yarn upon absorption of moisture from an excessively humid atmosphere. This spreading of the warper beam heads results in what are called selvage breaks. The threads which are near the ends of the beam are known as selvage threads; they are at the edge portions or selvages of the fabric when woven. The selvage breaks occur thus: when the heads spread, the selvage threads settle, or pack down, and then when the warper beam is unwound onto the loom beams, the selvage threads at the ends of the warper beam take the whole pull, the threads near the center of the beam running slack—this because when the selvage threads have settled the diameter of the yarn mass where they are located is less than the diameter of the yarn mass at the center portion of the beam. The end threads break because they cannot stand the strain to which they are subjected in taking the whole pull. Also, when the warper beam heads spread, a small V shaped space develops between the ends of the beam barrel and the inner face of the heads, and into such space a part of the selvage threads are caught and held tightly. Prior to the use of Thornton's improvement it was necessary, to meet the problem of spreading of warper beam heads, to use, in winding the yarn onto the beam, a so-called expansion comb having a number of thread guiding fingers which by means of a crank could be brought closer together or farther apart. Through this device the warp could be made narrower or wider, as required, and the spreading of the beam heads was thus compensated for. But it consumed the whole time of one operative to tend a warper beam and

adjust the expansion comb, whereas if spreading of the beams and the consequent use of this expansion comb could be avoided, a single operative could tend two or three beams.

The Thornton application is for a patent for an improvement upon warper beams as a result of which the heads will not spread. The claims are as follows:

9. A section beam comprising a shaft, a barrel and a pair of heads mounted on said shaft, a pair of discs each engaging the outer face of one of said heads and being independent of and separable from the latter and in threaded engagement with said shaft, each said disc being convex outwardly with respect to the head adjacent thereto and each being substantially larger in diameter than said barrel, and means for locking each said disc against axial movement with respect to said shaft, whereby said heads are prevented from spreading when the beam is filled with yarn.

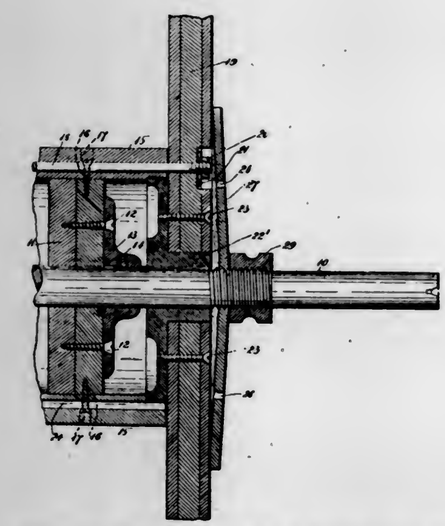
10. A section beam comprising a barrel, a shaft passing through the same, and a pair of heads mounted on said shaft, the ends of said shaft extending beyond said heads, a pair of discs each engaging the outer face of one of said heads and being independent of and separable from the latter, each said disc being convex outwardly with respect to the head adjacent thereto and each being substantially larger in diameter than said barrel, and means for locking each said disc against axial movement with respect to said shaft, whereby said heads are prevented from spreading when the beam is filled with yarn.

The two claims differ only in that claim 9 is limited to discs which are in "threaded engagement" with the beam shaft, whereas claim 10 is not so limited.

The Thornton improvement as described in the specification and drawing, Illustration B, and in

ILLUSTRATION B

Fig. 3.



Thornton's testimony, discloses a wooden beam barrel 15, with a laminated wooden head 19, and a stiffener disc 27. This disc is made preferably of a resilient material such as hot rolled steel, is concave in form and is in threaded engagement with the beam shaft 10. The disc is disposed with the periphery of its concave face in engagement with the outer face of the head 19 so that by screwing the disc down the shaft in the direction of the head, it will be forced against the head and thus prevent spreading of the latter when pressure is exerted upon the inner face thereof by the yarn. There is a lock nut 29 which also screws along the shaft 10. A similar stiffener disc is applied to the other head of the warper beam. The beam shaft is continuous. The diameter of the discs is—and this is essential in the device—substantially greater than that of the barrel of the beam; for example, if the barrel is 10 inches in diameter, the discs are from 13 to 15 inches in diameter. By the use of a spanner wrench to be fitted into the holes 28 in the discs, the latter may be turned up against the outer faces of the heads with any desired force and then held in position by the lock nut 29. When a warper beam is to be used the discs are adjusted against the heads before the yarn is wound upon the beam, the adjustment to vary with the type of yarn and the conditions of weather. That is to say, before the yarn is wound upon the beam, the discs will be screwed in against the heads so as to dish the periphery of the latter slightly inward—to such degree as is estimated will be necessary to resist the pressure of the type of yarn to be used. Then when the yarn has been wound upon the beam, the pressure upon the inner face of the heads will straighten them back so that, if the adjustment has been correct, they will resume and maintain perpendicularity to the barrel. This adjustment may be altered from time to time, during the operation of the warper beam, to meet variation in pressure caused by changing humidity in the atmosphere.

According to Thornton's testimony, his improvement has been a distinct success. Before its advent the company of which Thornton is an officer, and which manufactures warper beams, had received complaints against them, but after the beams had been manufactured with the steel anti-spreading discs, the complaints ceased. Also, despite the greater cost of the improved warper beams, they have gone into large commercial use, the company's sales having increased from 250 beams sold in 1931 to 4,850 in 1936, a total of 10,550 having been sold during the period 1931–1936.

The references cited by the Commissioner and the trial court are Marcy, Patent No. 455,224 (1891); Taft, Patent No. 1,490,864 (1924); and Peterson, Patent No. 1,484,154 (1924). The Marcy invention is an improvement in jack spools. As described in the specification, and shown in Illustration C, the invention—

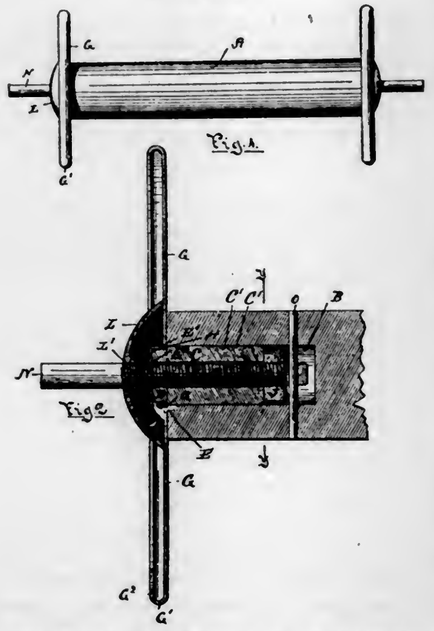
"relates particularly to that class of spools which are designed for mill use; and it relates especially to the head of the spool and to its attachment to the barrel."

The spool has a wooden barrel A and a head G of elastic metal like spring steel. The spindles N are not continuous shafts, but gudgeons extending only a short distance into the barrel of the spool. At each end of the spool the gudgeon is threaded for a part of its length and a washer L, also threaded, is screwed down the gudgeon to the end of the threads; then the gudgeon itself is inserted into the barrel through the block CD and held by means of a nut J and a pin O, the washer being thus

drawn tightly against the outer face of the head G. The size of the washer is not specified, but the illustration shows it to be slightly larger in diameter than the barrel of the spool.

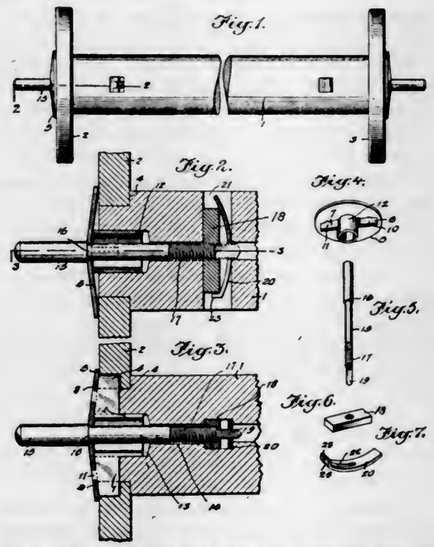
The Taft invention is also for an improvement

ILLUSTRATION C



in jack spools. As described in the specification, and shown in Illustration D, it—

ILLUSTRATION D



"relates to jack spools and fasteners therefor, and has for an object to provide an improved construction which may be easily applied, and which will not become loose during the operation of the spool. Another object of the invention is to provide a fastener for the gudgeon of the jack spool, which may be easily applied and locked in place, the construction being such as to cause the locking means to also lock the head of the spool against removal."

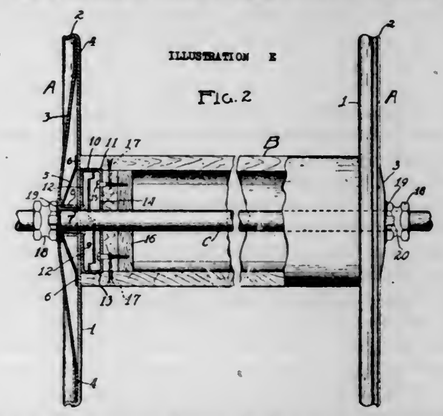
At each end of the barrel the gudgeon 15 is passed through a thin metallic somewhat cone shaped disc 5 which sits against a shoulder 16 on the gudgeon and is then held against the spool by virtue of the gudgeon itself being inserted into the barrel and screwed into the nut 18 which is locked by the spring 20. The disc is riveted to the combined shoulder, or web, and sleeve 6, 12, 7, through which the gudgeon is passed, and this web is set into a suitable nostril or slot let into the end of the barrel. The size of the disc is not stated, but, as in the Marcy invention, it is shown in the drawings as of slightly larger diameter than that of the barrel of the spool.

According to Thornton's testimony, the Marcy and Taft jack spools are not subjected to yarn pressure of any such force as will displace the spool heads from the perpendicular; indeed the improvements are not intended to counteract spreading of the heads; they are intended to have, and do have, only the effect of holding the spool heads tightly against the barrel. Further, according to Thornton, neither the Marcy nor Taft spool heads have the property of adjustability. Thornton testified that the pressure exerted by both the metallic disc of Taft and the washer of Marcy against the heads could not be varied once the gudgeons were set in place.

The Peterson invention is shown in Illustration E.

ILLUSTRATION E

Fig. 2



It, like Thornton's device, is for an improvement in warper beams. The specification recognizes that the beam heads in use at the time of the application were not sufficiently rigid to prevent spreading. It states:

A particular object of the present invention is to produce a sheet-metal beam head which shall have a perfectly smooth, plane inner face, which shall be effectively braced against the pressure of the yarn load, and which shall possess sufficient strength and resiliency to ensure against breakage and distortion in ordinary handling.

The specification and drawings show a warper beam comprising two metallic heads, a wooden barrel, and a shaft running continuously therethrough

with projecting ends constituting trunnions. According to the specification:

Each beam head A comprises a main disk 1 having a peripheral outwardly-extending flange 2 which is concaved to provide a belt race. The beam further comprises a dished or concave bracing disk 3 of slightly smaller diameter than the main disk 1, the bracing disk being disposed with its concave side facing the outer side of the main disk. The main disk 1 and the bracing disk 3 are suitably secured together, as, for example, by means of an annular series of spot welds 4.

The beam head A further comprises an internal bracing disk 5 of approximately the same diameter as the barrel B. The bracing disk 5 is of dished form and is arranged with its concave side toward the outer side of the main disk 1. The peripheral portion of the disk 5 is secured to the main disk 1 by suitable means, as, for example, an annular series of spot welds 6.

The main disk 1 and the two bracing disks 3 and 5 (together with a clutch element to be hereinafter mentioned) are secured together at their central portions by means of a sleeve or hub 7 which extends through central openings in said members and through a spacing sleeve 8 which is interposed between the main disk 1 and the bracing disk 5. The central portions of the bracing disks 3 and 5 lie in contact with each other. The ends of the hub 7 are expanded or spun over to secure the parts of the head rigidly together. The hub 7 is of such internal diameter as to fit upon the central shaft C.

* * * * * * *

The beam head A is clamped tightly against the end of the barrel B by a nut 18 turned on a screw-threaded portion of the shaft C. To lock the nut against rotation, a washer 19 is interposed between the nut and the head . . .

The specification further states:

The disk 5, the spacing sleeve 8 and that portion of the disk 1 which lies within the circle defined by the barrel may be viewed as a truss consisting of the compression member 5, the chord or tension member 1 and the strut 8. It will be seen that this truss imparts great rigidity to that portion of the beam head which is clamped between the nut 18 and the barrel B and prevents any bending of the beam head in that region. Likewise, the disks 1 and 3 and the sleeve 8 constitute a truss which effectively resists forces tending to spread the beam heads apart. While the form of truss herein disclosed serves its intended purposes very well, other forms of trusses and other means of spacing the disks 1 and 3 apart and of securing said disks together may be employed without departing from the scope of the invention hereinafter claimed.

In respect of Peterson, Thornton in his testimony emphasized the unitary nature of the truss construction and the consequent absence of the property of adjustability to varying pressures. An affidavit of Peterson himself stated that only 64 of his beam heads were made and that only 50 of them were sold to customers. An affidavit of John Corn, the sole purchaser of the Peterson heads, stated that they were satisfactory when first used, but were eventually discarded because they became spread from rough treatment in truck shipment back and forth between the spinning mills and the weaving mills. He further stated that the beams were not used with heavy yarn but only with fine yarn such as is used in sheeting, and that therefore his company had no difficulty with the heads spreading during the process of filling the beams.

In respect of patentability of the Thornton device, the position of the Board of Appeals was that:

. . . it clearly follows from the disclosure of the disk 3 in Peterson that no invention would be involved in making the disks in Marcy and Taft of still greater diameter than illustrated in these patents. It also seems clear to us that no invention would be involved in the provision of a single central shaft in lieu of the two stub shafts or spindles illustrated in these patents to Marcy or Taft in view of the disclosure of the shaft C in Peterson.

As phrased by the Commissioner the argument is that Thornton is not entitled to a patent for the reason that he was not the first to discover that the head of a warper beam may be pushed out of a perpendicular position by the force exerted by yarn, and that all that he has done is to place against the beam head a bracing disc, such as is shown in Marcy and Taft, in lieu of the bracing disc of Peterson.

The Thornton device is simple. But as stated in *Diamond Rubber Co.* v. *Consolidated Rubber Tire Co.*, 220 U. S., 428 (1911):

Its simplicity should not blind us as to its character. Many things, and the patent law abounds in illustrations, seem obvious after they have been done, and, "in the light of the accomplished result", it is often a matter of wonder how they so long "eluded the search of the discoverer and set at defiance the speculations of inventive genius". *Pearl* v. *Ocean Mills.* 11 O. G. 2. (220 U. S. at 434–5.)

In the use of the large disc and continuous shaft of Peterson and Marcy's threaded engagement of disc and shaft, Thornton accomplished much more than a mere aggregation of the elements of the prior art.

"It may be laid down as a general rule, though perhaps not an invariable one, that if a new combination and arrangement of known elements produce a new and beneficial result, never attained before, it is evidence of invention." *Loom Co.* v. *Higgins*, 105 U. S. 580, 591 (1881).

Thornton accomplished not merely a disc successfully resistant to yarn pressure, but also one successfully adjustable to variations in pressure. To this accomplishment the Board of Appeals and the Commissioner give no weight, indeed no mention. This adjustability is, we think, not suggested in any obvious way by any of the references, much less accomplished by them. The adjustability of Thornton's device is clearly highly useful in respect of variations in yarn and weight pressures, and the commercial success of his device is amply established. We think that Thornton's accomplishment of adjustability is such that it cannot be said that want of invention is clear, and we may therefore properly resort to utility and commercial success to remove any remaining doubt. See *Minerals Separation, Ltd.*, v. *Hyde*, 242 U. S. 261, 270 (1916); *DeForest Radio Co.* v. *Gen Elec. Co.*, 283 U. S. 664, 685 (1931); *Smith* v. *Goodyear Dental Vulcanite Co.*, 93 U. S. 486 (1876). It appears that the problem of spreading of the heads of warper beams confronted the textile industry for at least eight years after the issuance of the patent to Peterson, before Thornton solved it with the adjustable disk; and it appears that Thornton's improvement was a distinct success. This is highly persuasive of invention.

"Where the method or device satisfies an old and recognized want, invention is to be inferred, rather than the exercise of mechanical skill. For mere skill of the art would normally have been called into action by the generally known want. See *Loom Co.* v. *Higgins*, 105 U. S. 580, 591; *Krements* v. *Cottle Co.*, 148 U. S. 556, 560; *Hobbs* v. *Beach*, 180 U. S. 383, 392; *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 429, 430; *Expanded Metal Co.* v. *Bradford*, 214 U. S. 366, 381." *Paramount Corp.* v. *Tri-Ergon Corp.*, 294 U. S. 464, 474 (1935).

We think the Thornton device is clearly patentable within the elementary principles governing combinations and illustrated in *Loom Co.* v. *Higgins* and *Diamond Rubber Co.* v. *Consolidated Rubber Tire Co.*, supra. See also *Wach* v. *Coe*, 64 App. D. C. 235, 77 F.(2d) 113 (1935); *In re Eastwood*, 33 App. D. C. 291 (1909).

Reversed and remanded for further proceedings in accordance with this opinion.

EDGERTON, *A. J.*, (dissenting):

The Patent Office references alone leave me, as they leave the majority of the court, in some doubt concerning invention. I think there was no invention in combining the large disc and continuous shaft of Peterson with Marcy's threaded engagement of disc and shaft. My doubt relates chiefly to the device for producing variations in pressure. I should have less doubt if the evidence of need and success, with respect to that specific feature, were more impressive. No doubt that feature is useful; but I find nothing in the record to show that appellant's device would not have met the need (to prevent spreading) reasonably well, and been widely adopted, if it had been permanently adjusted to resist the greatest expected yarn pressure, or even if it had required the use of a different spool, differently adjusted, for each expected pressure. Appellant testified that the disc is sometimes adjusted by the manufacturer. For reasons set forth in my dissent in *Carbide and Carbon Chemicals Corporation et al.* v. *Coe*,— App. D. C. —, — F.(2d) —, I think the decree below should be affirmed.

U. S. Court of Appeals for the District of Columbia

CARBIDE AND CARBON CHEMICALS CORPORATION AND RALPH B. FRAZIER

v.

COE, COMMISSIONER OF PATENTS

No. 7,029. Decided December 29, 1938

1. INVENTION—SUBSTITUTION OF MATERIALS.

"If from the prior art or from the properties of the thing substituted, the substitution was obvious, no patent is allowable. If, on the contrary, it was not obvious, if inventive capacity was required to see the applicability to the use in question of the thing substituted, and the advantage in new and useful results or increase in efficiency or saving in operation, then a patent is to be granted."

2. PATENTABILITY—FOOD PACKAGE AND PROCESS OF PACKAGING.

Claims for a food package and the process of packaging food involving the use of a vinyl resin as a lining material for the package *Held* patentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

Mr. Charles H. Potter and *Mr. Emory P. Boynton* for Carbide and Carbon Chemicals Corporation and Ralph B. Frazier.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before GRONER, Chief Justice, and STEPHENS and EDGERTON, Associate Justices

STEPHENS, *A. J.*:

This is an appeal from a decree of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill of complaint filed by the appellants under R. S. § 4915, as amended. The bill sought to require the appellee United States Commissioner of Patents, hereafter referred to as the Commissioner, to issue a patent upon the application of Ralph B. Frazier, Serial No. 605,129, for certain new and useful improvements in food packages. The application will be referred to hereafter as the Frazier application. The application, the rights under which had been assigned to the appellant Carbide and Carbon Chemicals Corporation, was duly prosecuted in the Patent Office, and the Primary Examiner finally rejected claims 4, 5, 6, 7, 8, 11, 13, 14, and 22. This rejection was affirmed by the Board of Appeals. In the hearing in the trial court the record in the Patent Office was as usual introduced in evidence; and there was also heard testimony by Frazier, Frank R. Stoner, Jr., and Arthur K. Doolittle, as experts. At the conclusion of the hearing, the trial judge ruled that no invention was disclosed by the application. The sole question in this appeal is as to the correctness of this ruling in respect of the claims mentioned.

From Frazier's application and the testimony in the trial court, the following appears: The principal object of the claimed invention is "to provide improved composite materials for use particularly in packaging foodstuffs". Metal foil and metal cans, commonly used in such packaging to prevent desiccation and spoilage, are often corroded by contact with the foodstuff with the resultant contamination and deterioration of the foodstuff itself. This occurs, for example, in the packaging of cheese in metal foil and of orange juice and beer in metal cans. The problem in the art was to discover a coating which would render metal packaging material, whether foil or cans, resistant to chemical action by elements contained in foodstuffs to be packaged, and also render metal foil packaging material impervious to exterior gases, moisture, grease and oils; it was also essential that the coating in contact with the foodstuff should be free from volatile or soluble constituents which might impart an odor or taste thereto.

Frazier testified that while employed by the Carbide and Carbon Chemicals Corporation upon a fellowship in the Mellon Institute, where his duties comprised working with solvents, experimenting with nitrocellulose lacquers with which the solvents were used, and developing uses for new products such as vinyl resins, an inquiry was received from a European country asking for a coating to protect tinfoil for food packaging. An inquiry had also been received from an American company for a coating for foil to be used in packaging cheese. In this the problem was to prevent corrosion of the foil which gave rise to darkening of the cheese and gas formation. Knowing that in the nitrocellulose lacquers tough films adhering to metal foils were available, Frazier thought first of the use of such a lacquer. Foil was coated at the laboratory by a spray application, two nitrocellulose lacquers of the best formula which could be developed being used;

and one application was made with vinyl resin in it. The nitrocellulose lacquer samples were not successful—they produced an odor; and no more tests were made with them. But the foil coated with vinyl resin showed promise. Similar problems were investigated for can manufacturing companies in respect of coating tin cans for the packaging of vegetables, orange juice and the like. The results of the tests of vinyl resins in metallic food containers showed definitely that the coating would not impart odor or taste to the product and the tests were successful. They were however not entirely as expected; although Frazier had been working for a considerable period of time before this with vinyl resin coating compositions, they turned out in these tests to be better than he had reason to expect.

Frazier stated in his specification that he had:

. . . discovered by test that the object of the invention may be attained, and new composite materials may be produced by providing metallic materials used for packaging purposes, particularly for foodstuffs, with a surface or surfaces which contain vinyl resins, that is, resinous products resulting from the polymerization [1] of certain vinyl compounds. . . .

Vinyl resins suitable for use in forming the materials of my inventions may be formed from vinyl esters by known polymerization processes. The polymerization products of inorganic vinyl esters, such as vinyl halides, or those of organic vinyl esters, such as vinyl esters of aliphatic acids may be used. I prefer to use vinyl resins resulting from the conjoint polymerization (by which is meant polymerization of a plurality of compounds while in mutual contact) of two or more vinyl esters. For example, vinyl resins having desirable properties may be prepared by the conjoint polymerization of a vinyl halide and a vinyl ester of an aliphatic acid. Products of the conjoint polymerization of vinyl chloride and vinyl acetate in proportions ranging from about 10% to 90% by weight of the chloride are particularly desirable. Such resins are substantially water-white and transparent and they are exceptionally resistant to acids, alkalies and salts in the presence of moisture and may be used to form tough, flexible films which adhere well to metals, and which are odorless and tasteless. In addition, I have found that the characteristics of the preferred vinyl resins are retained to a very great extent when the vinyl resin is modified by the addition of a second resin or gum, a cellulose ester or a high-boiling solvent having plasticizing or softening action on the resin. Due to this property the vinyl resins may be greatly modified to meet specific requirements without materially altering the chemical properties of the resins which are necessary to the materials of this invention.

The material of my invention may be prepared by coating the metallic packaging material, at least on the surface thereof which is to be contacted with the packaged product, with a vinyl resin or vinyl resin composition. This may be done conveniently by forming a solution of the resin with or without modifying materials, applying the solution to the metal, and eliminating the solvent.

The specification gives several examples of proportions which may be used to accomplish the result of the invention. It is explained in the testimony that after the elimination of the solvent the film thus dried may be baked to insure adhesion to the metal or foil.

The claims: Claim 4 is typical of claims 4, 5, and 6, and reads as follows:

4. A food package comprising a metallic material having at least the surface thereof which is in contact with the food product to be packaged composed of a composition which contains a substantial proportion of a vinyl resin of the group including polymerization products of vinyl esters and mixtures of vinyl esters.

[1] "Polymerization is the chemical process in which relatively simple molecules of a compound become complex by combination amongst themselves. The term 'polymerization resin' is used to distinguish a resin which is formed directly by the polymerization of a chemical compound, without passing through a preliminary stage of condensation. Polymerization is usually initiated by the action of light, heat, strong acids or alkalis." Alan A. Drummond, Resins, 19 Encyclopedia Britannica (14th ed., 1932) 210, 212.

The remaining claims are as follows:

7. A food package which comprises a food product and a metallic packaging material having at least the surface thereof which contacts the packaged product composed of a composition which contains a vinyl resin substantially identical with a product resulting from the conjoint polymerization of vinyl chloride and vinyl acetate in the proportions of about 60% to 90% by weight vinyl chloride.

8. A food package which comprises a food product and a metallic packaging material having at least the surface thereof which contacts the packaged product composed of a composition which contains a vinyl resin substantially identical with a product resulting from the conjoint polymerization of vinyl chloride and vinyl acetate in the proportions of less than about 65% by weight vinyl chloride, together with nitrocellulose.

11. Process of protectively packaging food products which comprises enclosing the food product in a metallic packaging material which has at least the surface thereof which is in contact with said food product composed of a composition which contains a substantial proportion of a vinyl resin of the group including polymerization products of vinyl esters and mixtures of vinyl esters.

13. As a new product, a package comprising cheese enclosed by and substantially sealed in a wrapping consisting essentially of metal foil which has at least the surface thereof in contact with said cheese composed of a composition which contains a substantial proportion of vinyl resin of the group including polymerization products of vinyl esters and mixtures of vinyl esters.

14. As a new product, a package comprising cheese enclosed by and substantially sealed in a wrapping consisting essentially of metal foil which has at least the surface thereof in contact with said cheese composed of a composition which contains a vinyl resin substantially identical with a product resulting from the conjoint polymerization of vinyl acetate and vinyl chloride in the proportions of about 60% to 90% by weight vinyl chloride.

22. Process of protectively packaging cheese, which comprises pouring heated molten cheese into molds lined with a metallic packaging material which has at least the surface thereof which is in contact with the said cheese composed of a composition containing a substantial proportion of a vinyl resin of the group including polymerization products of vinyl esters and mixtures of vinyl esters, together with a plasticizer, thereby slightly softening the vinyl resin and causing lapped portions of the said surface of the packaging material to be effectively sealed.

According to the testimony, Frazier's vinyl resin coating has proved to be of great utility and has gained great commercial success. In respect of utility, it was testified that: Work had been done on the problem of discovering a satisfactory material for lining metal cans and metal foil as food containers for nine or ten years prior to the work of Frazier, and nothing had been discovered suitable for either foil for food such as cheese or containers for beverages. Apparently every known coating material had been tried for use on tin foil before vinyl resins were used, and none had been found satisfactory. Frazier's material answered the problem. Vinyl resins have been found satisfactory upon cheese wrappers, capsules for butter coloring, caps for jars containing food products such as mayonnaise, caps for petrolagar jars, and upon linings for beer and wine cans. As many as twenty-five or thirty different brands of cheese, including a number of the well known popular brands, are packaged in vinyl resin coated foil known as Vinylite. Indeed the vinyl resin coating is apparently suitable for the packaging of almost any kind of food. In respect of commercial success it was made to appear from the testimony that: Commercial use of vinyl resins for packaging food products was extensive before advertising of their availability occurred, and this notwithstanding that their use increased the expense of packaging. The American Can Company, the Hazel-Atlas Glass Company, and the Aluminum Company of America are large users of vinyl resins for food packaging purposes. In 1936

about three and one-half million pounds of vinyl resins were sold and about two-thirds of this amount went into protective coatings, including coatings for metal foil and the lining of cans. Counsel for the Commissioner conceded that Vinylite lining has gone into commercial use on cans.

The Commissioner contends, however, that Frazier's application discloses no invention. His argument is that it was old to enclose food in wrappers such as tin foil coated with paraffin, or tin foil sealed with paraffin, or tin foil covered with shellac; and he asserts that a vinyl resin had been used as the coating of a gelatine base for a food wrapper, and that the characteristics of vinyl resins were known prior to Frazier. Thus the Commissioner contends that Frazier has done nothing more than substitute a material in a coated food container or wrapper and that the prior art and the known characteristics of the material made the substitution obvious.

The references cited in the Patent Office and relied upon in the trial court and by the Commissioner on this appeal are: *Howell*, No. 1,057,552, April 1, 1913; *Klatte et al.*, No. 1,241,738, October 2, 1917; *Beatty*, No. 1,369,159, February 22, 1921; *Conomos*, No. 1,529,170, March 10, 1925; *Humpert*, No. 1,765,920, June 24, 1930; *Young et al.*, No. 1,775,882, September 16, 1930; and *Kratz*, No. 1,837,555, December 22, 1931.

We think it unnecessary to discuss in any detail either Beatty or Conomos, for each of these references is in our view irrelevant. Beatty discloses merely a method of packaging chewing gum, candy, or the like in tin foil sealed with paraffin. Conomos describes the packaging of confectionery, tobacco products, dairy products, and the like in a wrapping sheet coated with animal jelly. Conomos is not mentioned in the brief of the Commissioner and Beatty is not emphasized.

Humpert's invention is the coating of tin foil with resin so as to produce a food wrapper capable of resisting organic acids and metallic sulphides. The resin used is shellac, a natural resin, as distinguished from a synthetic resin.[2] The witness Doolittle testified that such a coating material would not be successful for packaging food products in metallic containers for the reason that shellac is brittle and, therefore, would not stand up under the continuous flexing that a foil wrapper must undergo but would crack, and hence no longer protect the food; he also stated that a shellac coating would be quite unsuitable for cans containing liquids because shellac is penetrable by water.

Howell's invention is a food product wrapper made of tin foil coated on the food side with paraffin wax. It is intended to prevent contact of the food with the air, and also to prevent contaminating contact between the food and the foil. In the opinion of Doolittle this invention would not accomplish what was claimed for it, for the reason that paraffin is brittle at low temperatures and non-adherent and, therefore, would not be sufficiently permanent as a foil coating, and also could not be flexed without cracking, which would expose the metal; moreover it would be attacked by oils in cheese, which are solvents for wax.

The Klatte patent discloses the process of obtaining vinyl resins from vinyl esters by polymerization, explaining that polymerization may be effected by light or heat, or by light and heat combined, and that it can be accelerated by the use of various catalysts.[3] The specification states that the properties of vinyl resins obtained through the polymerization process will vary more or less with the catalyst used. Among the products disclosed by Klatte is an odorless, fireproof film which may be used for coating, lacquering and painting or impregnating various substances such as wood, paper, textile fabric and artificial stone with the effect of imparting high resistance to the action of water, acids, alkalis, and atmospheric changes. There is no mention of the use of the film for the preservation of foodstuffs. And Doolittle pointed out that there is no disclosure of the use of the film with metals.

The Young invention is a method of polymerization of vinyl compounds in the presence of tetraethyl lead as a catalyst. Young explains that films containing vinyl resins otherwise prepared had been found to exhibit an objectionable tendency to disintegrate upon long exposure and to darken when heated, these tendencies being especially pronounced when the films were in contact with metal. He states that it had been assumed that corrosion of the underlying metal by acid developed in the resin was in some measure responsible for the film deterioration, and he points out that films containing resins prepared with tetraethyl lead are more stable in contact with metals. In respect of this invention Doolittle said that it points away from the use of vinyl resins for food packaging because it discloses their inapplicability to use with metal except when prepared in the presence of tetraethyl lead, which is a poison.

The Kratz patent consists of coating a gelatine sheet with a vinyl resin in order to make it more resistant to moisture. The result described is a thin, transparent sheet, substantially moisture-proof, and especially adapted for use in the wrapping of candy, bonbons, food, and other perishable material. Doolittle said concerning this invention that it would not be operative in respect of beer cans because gelatine would not adhere to metal, or, if it did, would swell and come off the walls of the container. He pointed out also that Kratz does not refer to the use of vinyl resins on metals, or to metallic food packages.

Summarizing, the prior art teaches the use of tin foil as a food wrapper, and the attempt to use films, such as shellac and paraffin, as a coating. It teaches the use of a vinyl resin film as a lacquer or paint upon wood, paper, textiles and artificial stone. It teaches also the use of a vinyl resin film on a gelatine sheet wrapper. It teaches also the

[2] See T. Hedley Barry, Natural Varnish Resins (1932).

[3] A catalyst is a chemical action accelerator.

making and the general properties of vinyl resins, that is, that they are resistant to water, acids, alkalis and atmospheric changes. But the art does not teach the use of vinyl resins in contact with metal. In this respect its teaching is not only negative but contrary, for in the only instance in which the use of a vinyl resin film is mentioned in contact with metal it is disclosed that the film disintegrates unless made with tetraethyl lead, a poison. The art had not answered the need in food packaging of a coating for metal packaging material which would protect foodstuffs from exterior contamination, be itself resistant to chemical action of the foodstuffs, and which would itself impart no odor or taste thereto.

Frazier has for the first time successfully used a vinyl resin film in contact with metal as a food container. The question in the case is, therefore, simply whether this substitution of a material whose general properties are known is invention.

[1] We reviewed and stated the law in respect of substitution of parts in a machine or of materials in a manufacture as invention in *Gasoline Products Co.* v. *Coe*, 66 App. D. C. 333, 87 F.(2d) 550 (1936), and we there cited the leading cases on the subject. The upshot of the decisions of course is that there must have been inventive capacity as distinguished from mechanical or routine skill necessary to accomplish the substitution. If from the prior art or from the properties of the thing substituted, the substitution was obvious, no patent is allowable. If, on the contrary, it was not obvious, if inventive capacity was required to see the applicability to the use in question of the thing substituted, and the advantage in new and useful results or increase in efficiency or saving in operation, then a patent is to be granted. In terms of a quotation from *Low* v. *McMaster*, 266 Fed. 518, 519–20 (C. C. A 3d, 1920), the law has been well epitomized thus:

"On this subject it is the law, that merely to substitute superior for inferior materials, in making one or more or all of the parts of a machine or manufacture, is not invention, although the substitution may be of materials that are both new and useful in high degree. It is also the law, as exceptions to this general rule, that if the substitution involved a new mode of construction; or if it developed new properties and uses of the article made; or where it produces a new mode of operation, or results in a new function; or when it is the first practical success in the art in which the substitution is made; or where the practice shows its superiority to consist not only in greater cheapness and greater utility, but also in more efficient action, it may amount to invention." [66 App. D. C. at 340, 87 F.(2d) at 557.]

Since a vinyl resin film had never, prior to Frazier, been successfully used against metal except when prepared in the presence of a poison, tetraethyl lead, as a catalyst, it at least cannot be said to be clear that Frazier's substitution was obvious. And if obviousness is doubtful, the doubt may be resolved by the satisfaction of a need which the art, long knowing, has failed to satisfy.

"That its [the substituted material] selection was not an obvious thing is persuasively and cogently shown by the fact that during many years numerous inventors were trying to remedy the defects in the old device, and it did not occur to them how simply and satisfactorily this could be done by making the button of rubber or some other elastic or yielding material. • • • When the substitution has accomplished a result which those skilled in the art had long and vainly sought to effect, the evidence that it involved something beyond the skill of the calling is so persuasive that it generally resolves the inquiry in favor of patentable novelty." *George Frost Co.* v. *Cohn*, 119 Fed. 505, 507–8 (C. C. A. 2d, 1902).

Again,

"Where the method or device satisfies an old and recognized want, invention is to be inferred, rather than the exercise of mechanical skill. For mere skill of the art would normally have been called into action by the generally known want." *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 474 (1935).

See also *United Shoe Machinery Corp.* v. *E. H. Ferree Co.*, 64 F.(2d) 101, 103 (C. C. A. 2d, 1933), where the court said:

"One of the safe tests of patentability is to inquire as to the condition of the art and the call for improvement."

Under a further well recognized rule, the utility of a substitution is an important factor in determining its patentability. *Smith* v. *Goodyear Dental Vulcanite Co.*, 93 U. S. 486, 495 (1876); and see *Textile Machine Works* v. *Hirsch Co.*, 302 U. S. 490, 498 (1938); *Re Harbeck*, 39 App. D. C. 555, 561–2 (1913).

It is equally well settled that commercial success is strong evidence of utility and patentability. Walker on Patents (6th ed., 1929) § 126. In *Yablick* v. *Protecto Safety Appliance Corp.*, 21 F.(2d) 885, 887 (C. C. A. 3d, 1927), it was stated that the fact that a process comes immediately into general use and replaces all other like processes is persuasive of invention. This was said upon the faith of *Minerals Separation, Ltd.* v. *Hyde*, 242 U. S. 261, 270 (1916), where it was held that the fact that a process was—

"immediately generally accepted as so great an advance over any process known before that, without puffing or other business exploitation, it promptly came into extensive use . . . and . . . largely replaced all earlier processes . . . of itself is persuasive evidence of that invention which it is the purpose of the patent laws to reward and protect."

The substitution in the instant case accomplished within *Low* v. *McMaster* more efficient action and the first practical success in the art in which the substitution was made. Within *George Frost Co.* v. *Cohn*, *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, and *United Shoe Machinery Corp.* v. *E. H. Ferree Co.*, doubt, if any there be, that the substitution was obvious must be resolved in favor of Frazier. He succeeded in satisfying, where the prior art had failed, a recognized need of some ten years standing. In respect of utility, the evidence in the instant case is such that the rule of *Smith* v. *Goodyear Dental Vulcanite Co.* and *Re Harbeck* necessarily operates in Frazier's favor. It was amply established that a high degree of utility was reached in his substitution of vinyl resins as a coating for metal food packaging materials. And finally Frazier is entitled to the benefit of the rulings of *Yablick* v. *Protecto Safety Appliance Corp.* and *Minerals Separation, Ltd.* v. *Hyde* in respect of commercial success. Commercial success to an extraordinary extent was established in the instant case; indeed, was conceded by the Commissioner.

Proceeding from the application of elementary rules to the analogy of similar cases, Frazier is entitled to a patent under *Gasoline Products Co* v. *Coe*, where we recognized as patentable the substitution of a chromium alloy in the tubes of a heating coil for cracking hydro-carbon oils. The properties of chromium to resist corrosion generally were known, but the applicant was the first to discover its resistance to sulphur corrosion and to substitute it. And under the leading cases which we reviewed in *Gasoline Products Co.* v. *Coe* on the subject of substitution, Frazier is equally entitled to a patent: *United Shoe Machinery Corp.* v. *E. H. Ferree Co.* (substitution of aluminum for cast iron in the hammer arm of a clicking machine used in cutting shoe uppers); *Re Harbeck* (substitution of fused cement for a soluble adhesive for holding together the layers of paper vessels); *Yablick* v. *Protecto Safety Appliance Corp.* (substitution of copper sulphate for sulphuric acid and pumice in gas masks for the absorption of ammonia from ammonia saturated air); *George Frost Co.* v. *Cohn* (substitution of rubber for metal in a hose supporter button); and *Low* v. *McMaster* (substitution of a solid for a liquid fuel in a vulcanizing apparatus). In each of these cases the general properties of the material substituted were known, but the use of the material in the particular machine or product had long been overlooked and the substitution resulted in satisfying a substantial need in the art to a high degree of utility and commercial success.

[2] Thus both within the elementary rules above stated and by analogy to the leading cases on substitution, the Frazier application should have been recognized as entitled to a patent. The decisions to the contrary in the Patent Office and the trial court were in our view clearly erroneous. Accordingly the case is

Reversed and remanded for further proceedings in accordance with this opinion.

EDGERTON, *A. J.*, (dissenting):

I think there was no invention here; and I think weight should be given to the presumption of administrative correctness.

As the court states, among the uses of vinyl resin disclosed by Klatte is—

"an odorless, fireproof film which may be used for coating . . . various substances such as wood, paper, textile fabric and artificial stone with the effect of imparting high resistance to the action of water, acids, alkalis and atmospheric changes;"

and Kratz had applied a vinyl resin film to gelatine to produce—

"a thin, transparent sheet, substantially moisture proof, and especially adapted for use in the wrapping of candy, bonbons, food, and other perishable material."

The Young application shows that films containing vinyl resins (and no tetraethyl lead) had been applied to metals.[1] Before Frazier, then, films of vinyl resin were known to be thin, transparent, odorless, moisture proof, fireproof, and highly resistant to acids, alkalis, and atmospheric changes; they had been applied to a great variety of substances, including metals; and they had been used for coating certain non-metallic food containers. Frazier's application of these same films to metallic food containers was new, and useful in the extreme; but in the light of the prior art I think it was not invention.

[1] Since the lining of many food packages is subjected neither to heating nor to long exposure, Young's erroneous assertion that such films, when used on metals, tended to disintegrate on long exposure and to darken when heated conveyed, in my opinion, no broadly adverse suggestion with respect to the use of the combination of vinyl resin and metal for food-packing purposes. However that may be, the fact remains that the combination, metal with a vinyl resin coating, was known.

An invention, as Judge Learned Hand has said, is "a new display of ingenuity beyond the compass of the routineer"; the line is between "what seems an easy step and what does not". *Kirsch Manufacturing Company* v. *Gould Mersereau Company, Inc.*, 6 F.(2d) 793, 794. Unless "some uncommon talent" is displayed, there is no invention, whatever the utility and success of the device. *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.*, 302 U. S. 490, 499, 58 S. Ct. 291, 82 L. Ed. 297 (1938). Substituting, in the Supreme Court's language in the Textile Machine case, our facts for those with which the Court was dealing:

"Commercial success may be decisive where invention is in doubt, but an insuperable obstacle to the invocation of that doctrine here is our inability, like that of the court below, to say 'that an art which knew' "

the use of metal food containers, and also the use of vinyl ester coatings for food containers,

"required some uncommon talent merely to conceive of combining the two"

(302 U. S. 498, 499): the more so as vinyl ester coatings had already been applied to metals for some purposes.

The prevailing opinion herein does not question the rule that—

"it is only when invention is in doubt that advance in the art may be thrown in the scale." *Paramount Publix Corp.* v. *American Tri-Ergon Corp.*, 294 U. S. 464, 474.

Impliedly recognizing that rule, the opinion observes that—

"if obviousness is doubtful, the doubt may be resolved by the satisfaction of a need which the art, long knowing, has failed to satisfy."

But decisions and dicta that, when invention is in doubt, long felt want and commercial success "may be thrown in the scale" and may be sufficient to turn it, in my judgment mean just that. They mean that need and success are then entitled to some weight as evidence; not that they are entitled to conclusive weight. The question still is, was there invention? It would be arbitrary to hold that every degree, including the greatest, of doubt concerning invention must be resolved in every case by any showing of need and success. Moreover, with the exception of cases decided in this court, the decisions and dicta cited on this point in the prevailing opinion occur in infringement cases. There, the question was whether the Patent Office was right in granting a patent, and for that reason the presumption was in favor of invention. Here, the question is whether the Office was right in refusing a patent; the presumption therefore is against invention. It is two long steps from the proposition that certain evidence justifies a court in sustaining the Patent Office to the proposition that like evidence requires a court to overrule the Patent Office. If the latter proposition is adopted, need and success, instead of having mere

evidential or persuasive value, are made conclusive; and they are used to overcome, instead of support, the usual presumption of administrative correctness.

The prevailing opinion does not assert that need and success are conclusive in all cases; but it argues that they are conclusive in this case. If, as that opinion conceives, the other evidence leaves invention in doubt, I think the evidence of need and success should not overcome the presumption of administrative correctness. If that presumption were applied, and if more than a formal deference were paid to it, it would, I think, preclude the result which the prevailing opinion reaches.[2] I think the presumption should be applied.

Speaking for a unanimous Court, Justice Cardozo said:

"The judicial function is exhausted when there is found to be a rational basis for the conclusions approved by the administrative body." *Mississippi Valley Barge Co. v. United States*, 292 U. S. 282, 287. "It has long been settled that determinations of fact for ordinary administrative purposes are not subject to review." *Phillips v. Commissioner of Internal Revenue*, 283 U. S. 589, 600.

Accordingly,

"it might well be argued, were it not for the terms of this statute [R. S. § 4915], that the decision of the Patent Office was a finality upon every matter of fact." *Morgan v. Daniels*, 153 U. S. 120, 124, 14 S. Ct. 772, 38 L. Ed. 657.

Though it is not a finality, the Patent Office decision is entitled to great weight.

"A patent regularly issued . . . is presumed to be valid until the presumption has been overcome by convincing evidence of error."

One who assails its validity "bears a heavy burden of persuasion, and fails unless his evidence has more than a dubious preponderance." *Radio Corporation of America et al. v. Radio Engineering Laboratories, Inc.*, 293 U. S. 1, 7, 8, 55 S. Ct. 928, 70 L. Ed. 163. This presumption applies regardless of the nature of the attack upon the patent. It covers, e. g., the issue of patentable novelty (*Smith, Executor, v. Hall*, 301 U. S. 216, 233) or invention. *Gulf Smokeless Coal Company v. Sutton, Steele & Steele*, 35 F.(2d) 433 (C. C. A. 4th), cert. den. 280 U. S. 609.

The Patent Office is no more likely to err when it rejects an application for a patent than when it grants one. Accordingly it has become established in various courts and in various contexts that the action of the Office in rejecting an application is likewise supported by a strong presumption, and not to be upset unless it is shown to be clearly wrong. The Court of Customs and Patent Appeals, which now has jurisdiction of appeals from the Patent Office, holds that when "two tribunals of the Patent Office have concurred in holding that the claims . . . lack invention" and the art is a technical one, "the decision of the Board of Appeals should be affirmed unless manifestly wrong." *In re Alden*, 65 F.(2d) 136, 137. Cf. *In re Pirani*, 75 F.(2d) 223. Similarly this court, when it served as the appellate tribunal for the Patent Office, held in *In re Beswick's Appeal*, 16 App. D. C. 345, 350, that:

"Where patentable novelty has been denied by all of the expert tribunals of the Patent Office, it is incumbent upon one appealing therefrom to make out a clear case of error in order to obtain a reversal . . . That rule is particularly applicable to this case, which, for its satisfactory determination, requires technical knowledge of an abstruse art that can only be acquired through thorough training."

Oldroyd v. Morgan, 58 App. D. C. 78, 24 F.(2d) 1004, is an interference case in which this court, on appeal from the Patent Office, applied the same rule.[3] A suit like the present one, under § 4915, differs from an appeal from the Commissioner's decision in that in these suits and not in those new evidence, in addition to the Patent Office record, may be introduced in court. This increases the provability, but not the probability, of error on the part of the Office. Accordingly it is at least as appropriate in these suits as in those to sustain the Office unless it be shown that it was clearly wrong.

If the applications of A and B are considered by the Patent Office in interference proceedings, with the result that priority is awarded to B, A's suit under § 4915 for a patent is brought against B. In such suits it is well settled that grant and rejection alike are accepted by the courts as correct unless they are shown to be clearly wrong. *Morgan v. Daniels*, 153 U. S. 120, 14 S. Ct. 772, 38 L. Ed. 657; cf. *Radio Corporation of America v. Radio Engineering Laboratories, Inc.*, 293 U. S. 1, 55 S. Ct. 928, 79 L. Ed. 163; *Bayer v. Rice*, 64 App. D. C. 107, 75 F.(2d) 238; *Gold v. Gold*, 237 Fed. 84 (C. C. A. 7th); *Larson v. Crowther*, 26 F.(2d) 780 (C. C. A. 8th), cert. den. 278 U. S. 648; *Dowling v. Jones*, 67 F.(2d) 537 (C. C. A. 2d); *Syracuse Washing Machine Corporation v. Vieau*, 72 F.(2d) 410 (C. C. A. 2d), cert. den. 294 U. S. 717. In *Morgan's v. Daniels* the Court said:

". . . This is something more than a mere appeal. It is an application to the Court to set aside the action of one of the executive departments of the government. . . . It is something in the nature of a suit to set aside a judgment, and as such is not to be sustained by a mere preponderance of evidence." 153 U. S. 124.

As Judge Learned Hand put it in the Dowling case,

"the findings of the Patent Office must prevail unless we cannot avoid an opposite conclusion." 67 F.(2d) 538.

If, as in the present case, an application is rejected by the Patent Office without being considered in interference proceedings, suit under § 4915 for a patent is brought against the Commissioner of Patents. Neither the statute nor the nature of the case suggests a distinction, in respect to presumptions, between the two suits under § 4915, and I think that *Morgan v. Daniels* applies. The point has seldom been considered, but there is express authority for applying here the normal principle that the Patent Office decision stands unless it is shown to be clearly wrong. *Robertson, Commissioner of Patents, v. Cooper*, 46 F.(2d) 766, like this case, was a suit under § 4915 against the Commissioner of Patents. The patent authorities had ruled that an application for a design patent lacked invention. The Court of Appeals for the Fourth Circuit, in the face of a contrary decision by the district court, sustained the patent authorities. It said:

". . . While the judgment of Patent Office officials is not absolutely binding on the courts, it is entitled to great weight, and is to be overcome by clear proof of mistake." 46 F.(2d) 768.[4]

Likewise in *Austin v. Coe*, 63 App. D. C. 94, 69 F.(2d) 832, the Commissioner of Patents had rejected plaintiff's claim without considering it in interference proceedings,[5] plaintiff's suit under § 4915 was brought against the Commissioner, and this court applied the presumption that the Patent Office was right.

Suits brought under § 4915 by the loser against the winner of Patent Office interference proceedings have usually turned, like *Morgan v. Daniels*, on priority of invention or reduction to practice—questions of pure fact. But, as has been shown, the presumption that the Patent Office is right has been repeatedly applied, in other contexts, to the question of invention. Patentable invention is sometimes called a question of fact,[6] sometimes a question of mixed fact and law, and sometimes a "conclusion of law"; since the answer depends partly on matters of pure fact with regard to the prior art, etc., and partly on measuring such facts against the concept of invention. But there is nothing about invention which should exempt it from the general rule that the Patent Office is presumed to be right. Many questions which our law treats as fact involve the measuring of data against concepts, and leave room for differences of opinion in the process. Findings on negligence, e. g., involve determining what happened and the circumstances in which it happened, and then measuring these results against the concept of due care.[7] The rule that the Patent Office should be sustained unless it is clearly wrong is peculiarly appropriate to the question of invention. That question "must be resolved by a subjective opinion as to what seems an easy step and what does not".[8] Usually, as in the present case, a distinct science or technical specialty is involved; and in distinguishing easy steps from others, expertness in the special field is, to put it mildly, a great advantage.

"The Patent Office has the equipment for deciding intricate and technical questions of this character." *Robertson, Commissioner of Patents, v. Cooper*, supra.[9]

In applying the rule to a similarly technical question, the construction and scope of patent claims, Judge Mack said:

". . . it is just such questions that the administrative tribunal is preeminently qualified to solve. Even then, of course, the court is not absolved from the duty of examination; but, unless it be perfectly clear that the final administrative body . . . erred, relief should not be granted under section 4915." *Gold v. Gold*, 237 Fed. 84, 86 (C. C. A. 7th).

In spite of the presumption the Supreme Court has frequently overturned, for lack of invention and other reasons, the decision of the Patent Office that a claim was patentable.[10] In so doing it has protected the public against a legal monopoly which the owner of the invalid patent was attempting to assert. Where, as in the present case, the Patent Office has decided that a claim is not patentable, to overturn its decision has exactly the opposite effect; it results in subjecting the public to a legal monopoly. It follows, in my judgment, that courts should be even less ready to reverse the Patent Office in proceedings of the present type than in infringement proceedings.

In *Morgan v. Daniels*, supra, the Supreme Court relied on the presumption to the point of reversing the circuit court which, in a suit under § 4915, had reversed the Patent Office on a question of priority. In the Robertson case the fourth circuit relied on it in reversing the district court, which had reversed the patent authorities on a question of invention. In the Morgan case the court said:

"The variety of opinion expressed by the different officers who have examined this testimony is persuasive that the question of priority is doubtful, and if doubtful the decision of the Patent Office must control." 153 U. S. 125.

If variety of opinion between the Patent Office and the trial court leaves it doubtful whether the Patent Office is wrong, unanimity of opinion between the Patent Office and the trial court makes it far more doubtful whether the Patent Office is wrong. That is the situation here. The presumption that the Patent Office is right is reenforced by the presumption that the trial court is right.

[2] Cf. *Federal Trade Commission v. Algoma Lumber Co.*, 291 U. S. 67, 73.

[3] A line of cases like *In re Coykendall*, 58 App. D. C. 280, 29 F.(2d) 868, hold that doubt as to the validity of rejected claims should be resolved, on appeal, in favor of the applicant. These cases are contrary not only to those just cited but to the whole current of authority. In effect they presume that (1) the Patent Office is wrong and (2) one who demands a legal monopoly is entitled to it.

[4] The Court of Appeals of the District of Columbia at the time had supervisory jurisdiction in the administration of the patent laws (*Butterworth v. Hoe*, 112 U. S. 50, 60, 5 S. Ct. 25, 28 L. Ed. 656; *Postum Cereal Company v. California Fig Nut Company*, 272 U. S. 693, 47 S. Ct. 284, 71 L. Ed. 478), and had affirmed the decision of the Commissioner of Patents. This circumstance did not affect the decision of the circuit court of appeals. The same is true of *Gold v. Gold*, supra.

[5] Plaintiff had tardily and unsuccessfully sought to have his claim included in certain interference proceedings which were pending in the Patent Office. The question discussed by the court was whether the refusal of the Office to include it was a correct application of the Office rules.

[6] The question is "admittedly one of fact," although it gives rise to "acute differences of opinion as to the inferences to be drawn from facts in themselves uncontradicted" and "may be answered differently by persons of equal intelligence." *Kurtz v. Belle Hat Lining Co., Inc.*, 280 Fed. 277, 279, 280, 281 (C. C. A. 2d).

[7] The issue of invention "necessarily depends upon a shifting standard, just as in cases of due care." L. Hand, J., in *Kirsch Mfg. Company v. Gould Mersereau Company, Inc.*, 6 F.(2d) 793, 794.

[8] *Kirsch Manufacturing Company v. Gould Mersereau Company, Inc.*, 6 F.(2d) 793, 794 (C. C. A. 2d).

[9] Cf. *Lucke v. Coe*, 63 App. D. C. 61, 64, 69 F.(2d) 379.

[10] Recent decisions of the Supreme Court, considered as a group, indicate that the Patent Office tends to be too liberal rather than too strict in granting patents. Since the summer of 1933 the Court has written opinions in some eighteen infringement suits in which it considered the validity of patents. In six cases, five patents were upheld. *Radio Corp. of America v. Radio Engineering Laboratories, Inc.*, 293 U. S. 1, priority of invention; *Smith v. Snow*, 294 U. S. 1 and *Wacham v. Smith*, 294 U. S. 20 (a single patent, later held invalid in *Smith v. Hall*, 301 U. S. 216), invention; *Bassick Co. v. Hollingshead Co.*, 298 U. S. 415, invention; *Crown Cork & Seal Co. v. Ferdinand Gutmann Co.*, 304 U. S. 159, timeliness of application; *General Talking Pictures Corp. v. Western Electric Co.*, 304 U. S. 175, affirmed on rehearing November 21, 1938, timeliness of application. Also, in *United States v. Esnault-Pelterie*, 303 U. S. 26, the decision of the Court of Claims in favor of validity was accepted as conclusive.

In twelve cases, fourteen patents were held invalid. *Electric Cable Co. v. Edison Co.*, 292 U. S. 69, lack of invention; *Keystone Co. v. Northwest Eng. Co.*, 294 U. S. 42 (two patents), lack of novelty, and lack of invention; *Paramount Publix Corp. v. American Triergon*

"There is always a presumption in favor of that which has once been decided, and that presumption is often relied upon to justify an appellate court in sustaining the decision below." 153 U. S. 123, 124.

"Under the rule settled in this jurisdiction, while we are not absolutely bound by a chancellor's findings of fact, we are not to disturb them on appeal unless upon an examination of the evidence they are clearly wrong."[11]

The situation is closely analogous to that in which the Supreme Court has said:

"The two courts below are in agreement as to the inferences fairly to be gathered from the facts, and their findings are not to be disturbed unless clearly erroneous." *United States* v. *Commercial Credit Company, Inc.*, 286 U. S. 63, 67.

I think the decree dismissing appellant's bill should be affirmed.

U. S. Court of Appeals for the District of Columbia

SHAKESPEARE PRODUCTS COMPANY AND WILLIAM SHAKESPEARE, JR., *v.* COE, COMMISSIONER OF PATENTS

No. 7,146. Decided February 27, 1939

PATENTABILITY—CONTROL DEVICE.

Certain claims for a control device for carburetors and starters of automotive vehicles *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Otis A. Earl and *Mr. William S. Hodges* for Shakespeare Products Company and William Shakespeare, Jr.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before STEPHENS, EDGERTON, and VINSON, Associate Justices

PER CURIAM:

The findings and conclusions of Chief Justice Wheat, in the district court, were as follows:

"1. This is a suit brought under the provisions of sec. 4915 R. S. (U. S. C., title 35, sec. 63), which involves an application of William Shakespeare, Jr., No. 737,140, filed July 27, 1934, assigned to the plaintiff, Shakespeare Products Company.

"2. The application of William Shakespeare, Jr., No. 737,140, relates to an Improvement in control devices, and particularly to the placing in such a control device a spring designed to exert sufficient pressure to effectively hold the parts of the control device in adjusted position and to prevent rattling therebetween. The application shows such a device designed to be used for controlling carburetors and starters of automotive vehicles. Such a device includes a tube extending through the dash of the automobile and a flexible rod extending through the tube and to the device to be controlled, a knob being provided on the end of the rod in front of the instrument board of the vehicle. The outer tube has a chamber therein for receiving the spring and the spring is so shaped that by increasing or diminishing the outer diameter of the chamber the pressure on the rod can be varied to suit any particular condition.

"3. The Weatherhead patent, No. 1,750,697, shows a similar control device in which, in the chamber in the tube, there is placed a spring collet designed to closely clasp the rod and hold it in the adjusted position.

"4. The patent to Norviel, No. 1,641,396, shows a remote control device in which a spring is provided for exerting a pressure on the rod.

"5. The Judson patent, No. 1,475,344, discloses a spring device arranged around the steering rod of an automobile and of a size to exert pressure on the inner side of the steering column whereby to prevent rattling of the steering rod.

"6. The Swedish patent, No. 21,814, discloses a tool chuck in which a spring is arranged in a chamber in the chuck so as to hold the tool in position.

"7. The Duryea patent, No. 1,619,710, discloses a dust cap for covering the stem of a tire valve, a spring being provided inside the dust cap so as to prevent the accidental displacement of the cap under the vibration and shocks which may be imparted to the automobile wheel. This spring is so shaped that the outer ends of the curved fingers bear against the inside of the cap and the bowed portion of the fingers bear against the valve stem.

"8. The spring shown in the application in suit is of approximately the same shape and formation as the spring of the Duryea patent."

Conclusions

"1. It was not invention to use a spring such as shown in the Duryea patent in lieu of the spring collet shown in the Weatherhead patent.

"2. The claims in suit are not patentable over the prior art cited in the answer to the bill.

"3. The plaintiff is not entitled to a patent on the Shakespeare application in suit containing claims 1, 2, 3, 4, 7, and 8, as set out in paragraph 6 of the bill.

"4. The bill should be dismissed."

We agree with the district court and the Patent Office. Appellants urge that dust caps, tool chucks, and steering columns are not analogous to control devices. But we agree with the Solicitor for the Patent Office that—

"the art here in question is not control, or remote control, devices but is the art of holding a rod in a tube in a position where it will not rattle and where it can be temporarily held in a desired position."

Essex Razor Blade Corporation v. *Gillette Safety Razor Company*, 299 U. S. 94, 57 S. Ct. 68, 81 L. Ed. 60, is in point. The Court there held that the Gaisman patent for razors and razor blades was invalid for lack of invention, and said:

"Every safety razor consisting of a combination of guard, cap, blade, and clamping means must also provide means to keep the blade in position relative to the cap and guard. The means adopted have been various. Gillette resorted to the device of square rods or round pins fixed either to the guard or to the cap and slots or holes in the blade and the other member through which the rods or pins should pass to fix the blade in position. Gaisman fixed the blade relative to the guard by one set of lugs and slots and fixed it in relation to the cap by another set of lugs and slots. The choice was one between alternative means obvious to any mechanic; it did not have the quality of invention." [P. 98.]

Apparently no one before Gaisman had applied to razors precisely the scheme which he employed to keep the parts in position; just as, in the present case, no one before Shakespeare had applied to a control device precisely Duryea's spring. But in the razor case the substitution was "obvious to any mechanic", while here it was obvious to any mechanic acquainted with known means of holding a rod semi-fixed in a tube. In either case the substitution, however new and useful, is not invention, for "An invention is a new display of ingenuity beyond the compass of the routineer"; the line is between "what seems an easy step and what does not". *Kirsch Manufacturing Company* v. *Gould Mersereau Company, Inc.*, 6 F.(2d) 793, 794.

Affirmed.

Corp., 294 U. S. 464, lack of invention; *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corp.*, 294 U. S. 477, lack of invention; *Stelos Co.* v. *Hosiery Motor Mend Corp.*, 295 U. S. 237, lack of invention; *Essex Razor Blade Corp.* v. *Gillette Safety Razor Co.*, 299 U. S. 94, lack of invention; *Smith, Executor*, v. *Hall*, 301 U. S. 216 (holding invalid patent formerly upheld in *Smith* v. *Snow* and *Waxham* v. *Smith*), prior use; *Mantle Lamp Co.* v. *Aluminum Products Co.*, 301 U. S. 544, lack of invention; *Textile Machine Works* v. *Hirsch Co.*, 302 U. S. 490, lack of invention; *Lincoln Engineering Co.* v. *Stewart Warner Corp.*, 303 U. S. 545, claim too broad; *General Electric Co.* v. *Wabash Appliance Corp.*, 304 U. S. 364, insufficient disclosure, etc.; *Schriber-Schroth Co.* v. *Cleveland Trust Co.* (November 7, 1938; two patents), insufficient disclosure.

Where the issue was strictly that of invention, as the foregoing lists show, two patents (including one later invalidated) were held valid and eight invalid.

During the same period the Court wrote opinions in some ten patent suits in which it did not pass upon the validity of the patent.

[11] *Hazen* v. *Hawley*, 66 App. D. C. 266, 271, 86 F.(2d) 217, cert. den. 299 U. S. 613. The question there, whether a zoning regulation was arbitrary and therefore unconstitutional, involves as large an element of opinion, in the measuring of facts against a concept, as the question whether a patent claim discloses invention.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,236,083, J. S. Hodges, Machine for cutting bread, D. C., S. D. Calif. (Los Angeles), Doc. E 204–J, *J. S. Hodges* v. *Maine Machine Works, Ltd.* Dismissed with prejudice Jan. 27, 1939.

1,401,156, C. F. Jenkins, Lawn mower, filed Dec. 23, 1938, D. C., N. D. Ill., W. Div., Doc. 5, *Moto-Mower Co.* v. *Eclipse Lawn Mower Co. et al.* Same, D. C. Nebr. (Lincoln), Doc. 13, *Moto-Mower Co.* v. *The Cushman Motor Works.* Dismissed Jan. 21, 1939.

1,434,597, J. V. Dorr, Settling apparatus, D. C., N. D. Ill., W. Div., Doc. 3, *The Dorr Co., Inc.*, v. *The City of Sterling, Ill., et al.* Dismissed on motion of plaintiff (notice Jan. 9, 1939).

1,449,103, F. Hayduck, Process for the manufacture of compound yeast; 1,449,105, 1,449,106, 1,449,109, same, Low alcohol yeast process; 1,673,735, Corby & Buhrig, Process for the manufacture of yeast, C. C. A., 3d Cir., Doc. 6651–6670, *Standard Brands, Inc.*, v. *National Grain Yeast Corp.* Patents held invalid Feb. 1, 1939.

1,449,105. (See 1,449,103.) 1,449,106. (See 1,449,103.)

1,449,109. (See 1,449,103.)

1,521,941, G. B. Graf, Stop signal, filed Feb. 4, 1939. D. C., W. D. Okla. (Oklahoma City), Doc. 109, *R. Graf* v. *City of Oklahoma City, Okla.*

1,523,675, E. H. Towle, Folding landing gear, filed Feb. 2, 1939, D. C., E. D. Mich., S. Div., Doc. 502, *E. H. Towle* v. *Pennsylvania-Central Airline Corp.*

1,608,622, Schmidt & Lee, Process of preventing the dissolution of iron and steel in sulphuric acid and pickling baths, D. C., N. D. Ohio, E. Div., Doc. 5226, *American Chemical Paint Co.* v. *Firestone Steel Products Co.* Bill and supplemental bill dismissed Jan. 25, 1939.

1,671,070, J. D. Forrester, Process of making asphaltic material, filed Jan. 24, 1939, D. C., E. D. N. Y., Doc. 185, *C. McInerney* v. *W. P. McDonald Construction Co.*

1,673,735. (See 1,449,103.)

1,711,876, G. Dorsey, Hot water bag cover, filed Jan. 30, 1939, D. C., N. D. Calif. (San Francisco), Doc. 21129–S, *G. Dorsey* v. *St. Mary's Hospital.*

1,735,261, T. J. Calhoun, Flame arrester, D. C., W. D. Pa., Doc. 3326, *The Johnston & Jennings Co.* v. *The Neville Co. et al.* Claims 1, 3, and 4 held invalid Jan. 31, 1939.

1,802,979, Madden & Morgenstern, Outlet box and cable clamping means therefor, D. C., N. D. Ohio, E. Div., Doc. E 5772, *The Newart Mfg. Co.* v. *The H. Leff Electric Co.* Dismissed Jan. 30, 1939.

1,852,130, M. B. Schier, Auditory insert, D. C., S. D. N. Y., Doc. E 85/146, *M. B. Schier* v. *Moulded Earpieces, Inc., et al.* Dismissed without prejudice (notice Jan. 27, 1939).

1,868,173, J. J. Low, Running gear, D. C., S. D. Calif. (Los Angeles), Doc. E 1073–M, *Six Wheel Corp.* v. *Moreland Motor Truck Co.* Dismissed without prejudice Feb. 1, 1939.

1,899,777, N. M. Stanley, Lense, D. C., W. D. Mo. (Kansas City), Doc. 2978, *The Univis Corp. et al.* v. *W. M. Morgan* (*Morgan Optical Co.*). Decree for plaintiff, injunction (notice Jan. 24, 1939).

1,911,726, Tanner & Lodeesen, Production of phosphate coatings on metals, filed Feb. 6, 1939, D. C., S. D. Ohio, W. Div., Doc. 46, *Parker Rust-Proof Co.* v. *The F. H. Lawson Co.*

1,948,121, H. D. Mathews, Bimetallic element, filed Jan. 31, 1939, D. C., E. D. Mich., S. Div., Doc. 492, *W. M. Chace Co.* v. *Dole Valve Co. et al.*

1,962,264, H. Veit, Hair cutting and thinning shears, appeal filed Jan. 31, 1939, C. C. A., 2d Cir., Doc. —, *Jetter & Scheerer Products, Inc.*, v. *Gibbs & Co., Inc.*

1,967,221, Allen & Hartley, Printing plate and holding means therefor, D. C., S. D. N. Y., Doc. E 87/163, *Addressograph-Multigraph Corp.* v. *E. Cooper* (*Alumo Co.*). Consent decree holding patent valid (notice Jan. 26, 1939).

2,012,846, M. T. Bentzen, Multiple outlet spout, D. C., S. D. Ill., N. Div., Doc. 1333, *General Metalware Co.* v. *Stuber & Kuck Co.* Dismissed for want of prosecution, without prejudice Jan. 31, 1939.

2,024,184, J. R. Ritchie, Roller for oil mix roads, filed Feb. 2, 1939, D. C., N. D. Calif. (San Francisco), Doc. 21134–L, *J. R. Ritchie et al.* v. *Standard Trailer Co. et al.*

2,046,649, H. P. Nordmark, Chair, filed Jan. 31, 1939, D. C., W. D. Mich. (Grand Rapids), Doc. 23, *American Seating Co.* v. *Ideal Seating Co.*

2,055,272, A. Weiss, Rotary intaglio printing, D. C., S. D. N. Y., Doc. E 83/378, *A. Weiss et al.* v. *R. Hoe & Co., Inc., et al.* Dismissed (notice Jan. 24, 1939). (This case consolidated and tried with E 81/394.)

2,068,393, Bulwa & Feibusch, Tab, D. C., S. D. N. Y., Doc. E 84/399, *Standard Sample, Inc., et al.* v. *Artcraft Sample Card Co., Inc., et al.* Dismissed without prejudice (notice Jan. 23, 1939).

2,084,287, W. J. Handley, Apparatus for heating liquids with fluid fuel, filed Jan. 26, 1939, D. C., W. D. N. Y., Doc. 93, *Handley Brown Heater Co.* v. *Empire Gas & Electric Co. et al.*

2,088,561, Bagley & Mantz, Liquid tire cover, filed Jan. 3, 1939, D. C. Md., Doc. 70, *R. M. Hollingshead Corp.* v. *Waxaid Co.*

2,100,868, A. Oppenheimer, Jr., Slip cover for furniture, filed Jan. 27, 1939, D. C., S. D. N. Y., Doc. 12/246, *The Comfy Mfg. Co.* v. *Selrite, Inc.* Same, filed Nov. 19, 1938, D. C., E. D. Pa., Doc. 82, *Comfy Mfg. Co.* v. *Lit Bros., Inc.* Consent order dismissing bill without prejudice Jan. 27, 1939.

2,122,383, C. H. Scott, Sedimentation apparatus (Automatic lifting arm), D. C., N. D. Ill., W. Div., Doc. 4, *The Dorr Co., Inc.*, v. *The City of Sterling, Ill., et al.* Dismissed on motion of plaintiff (notice Jan. 9, 1939).

2,136,176, J. M. Hammond, Photoengraving, filed Feb. 4, 1939, D. C., S. D. Ohio, W. Div., Doc. 44, *The Varnish Products Co. et al.* v. *A. A. Althoff et al.* (*Acme Engraving Co.*).

Des. 69,311, G. E. Curtiss, Jug, D. C., S. D. N. Y., Doc. E 85/306, *Landers, Frary & Clark* v. *Grand Silver Co., Inc.* Dismissed (notice Jan. 31, 1939).

Des. 78,500, R. L. Barton, Combined washboard and laundry tray, D. C., S. D. Calif. (Los Angeles), Doc. 161–Y, *R. L. Barton et al.* v. *L. E. White et al.* Decree for plaintiffs, Feb. 2, 1939.

Des. 98,454, E. Conradsen, Manicurist kit, D. C., S. D. Calif. (Los Angeles), Doc. E 1147–C, *E. Conradsen* v. *Paris Beauty Parlor Supply Co., Ltd., et al.* Dismissed for want of prosecution Jan. 31, 1939.

Des. 106,491, P. M. Neufeld, Dress, D. C., S. D. N. Y., Doc. E 86/142, *Neufeld-Furst & Co., Inc.*, v. *Arbor Dresses, Inc.* Consent decree for plaintiff (notice Jan. 24, 1939).

Des. 107,159, B. Fried, Dress, D. C., S. D. N. Y., Doc. E 86/176, *Columbia Dance Frocks, Inc.*, v. *L. Rappaport* (*Ritzy Dress Co.*). Consent order of discontinuance (notice Jan. 26, 1939).

Des. 107,185, M. Efantes, Dress, D. C., S. D. N. Y., Doc. E 86/126, *Suret Frocks, Inc.*, v. *S. Altman.* Stipulation of discontinuance (notice Jan. 31, 1939).

Des. 107,495, O. Zaretzky, Dress, D. C., S. D. N. Y., Doc. E 86/262, *O. Zaretzky* v. *Dornet Frocks, Inc.* Stipulation of discontinuance (notice Jan. 27, 1939).

Des. 108,664, W. Rosenberg, Textile fabric, D. C., S. D. N. Y., Doc. E 86/357, *Style Silk Corp.* v. *Chromite Textile Printing Co., Inc.* Consent decree for plaintiff (notice Jan. 26, 1939).

Des. 109,361, J. E. Abraham, Negligee, D. C., S. D. N. Y., Doc. E 87/10, *Negligee Fashions, Inc.*, v. *Raymodes, Inc.* Stipulation of discontinuance (notice Jan. 31, 1939).

Des. 111,573, G. T. Scharfenberg, Casing for an electric shaver, filed Oct. 6, 1938, D. C., S. D. Ohio, W. Div., Doc. 2, *Chicago Flexible Shaft Co.* v. *Kurz-Kasch, Inc.*

Des. 112,736, S. Faden, Dress, filed Jan. 28, 1939, D. C., S. D. N. Y., Doc. 2/257, *B. Weinberg et al.* v. *Landmark Co., Inc.*

T. M. 94,425, Chase-O Mfg. Co. (J. L. Prescott Co., assignee), Detergent preparation in crystal form for washing, cleansing and harmlessly bleaching clothes, C. C. A., 3d Cir., Doc. 6264, *J. L. Prescott Co.* v. *Procter & Gamble Co.* Decree reversed in part Feb. 2, 1939.

T. M. 106,664, Ostrander & Co., Inc. Gingham, C. C. A., 3d Cir., Doc. 6249, *Procter & Gamble Co.* v. *J. L. Prescott Co.* Prescott restrained in use of "Oxol" Feb. 2, 1939.

Disclaimers

Re. 20,529.—*Arthur J. Penick* and *Kirby T. Penick*, Houston, Tex. TUBING HEAD. Patent dated October 12, 1937. Disclaimer filed March 8, 1939, by the patentees.

Hereby disclaim from the combination of the recited elements of each and every one of claims 1, 2, 3, 8, and 9 of said Letters Patent and do hereby exclude from the scope of each and every one of said claims:

1. All tubular heads, except tubular casing heads constructed and adapted for lateral flow line connections.
2. All tubular hangers, except such as are constructed and adapted to threadedly couple with and suspend a tubing in the casing head.

1,585,233.—*John W. Coast, Jr.*, Tulsa, Okla. PROCESS FOR CONTINUOUSLY DISTILLING AND CRACKING HYDROCARBON OILS. Patent dated May 18, 1926. Disclaimer filed March 10, 1939, by the assignee, *Cities Service Oil Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 of said Letters Patent.

1,822,847.—*Percy Adamson*, Rye, N. Y. ELASTIC YARN. Patent dated September 8, 1931. Disclaimer filed March 10, 1939, by the assignee, *United States Rubber Company.*

Hereby enters its disclaimer to that part of the specification and claims enumerated as follows, to wit:

From the specification of said patent all data in column A of Table I and all data in column E of Table II on page 3 thereof, and all reference in such specification to said data; and

Claims 4 and 15; and

From claim 3 of said patent all elastic yarns therein defined save those which have a core, the average thickness of which does not exceed .0133 of an inch in relaxed uncovered condition; and

From each of claims 1, 5, 7, and 8 of said patent all elastic yarns therein defined save those which are capable of being knitted without appreciable reduction of speed of, and without dropping stitches on, knitting machines of fine gauge as fine or finer than cylindrical knitting machines of a diameter of 3½ inches having 176 needles and which yarns are capable of use as a substitute for the ordinary non-elastic fibrous knitting yarns; and

From each of claims 10 and 11 of said patent all elastic yarns therein defined save those which are capable of being knitted on knitting machines of fine gauge as fine or finer than cylindrical knitting machines of a diameter of 3½ inches having 176 needles; and

From claim 13 of said patent all elastic yarns therein defined save those which are capable of being knitted without appreciable reduction of speed of, and without dropping stitches on, knitting machines of fine gauge as fine or finer than cylindrical knitting machines of a diameter of 3½ inches having 176 needles.

1,892,892.—*Mitchell F. Jamar, Jr.*, Dowagiac, Mich. ARTIFICIAL MINNOW. Patent dated January 3, 1933. Disclaimer filed March 16, 1939, by the assignee, *James Heddon's Sons.*

Hereby enters this disclaimer to that part of the claims in said specification in the following words, to wit:

In each of the claims the units of the chambered body are formed from a plastic material susceptible of being molded to the desired shape as contrasted with bait bodies carved from wood or formed from metal, and bait bodies formed from wood or metal are herein expressly disclaimed.

1,915,859.—*Benjamin F. Miessner*, Millburn Township, Essex County; and *Charles T. Jacobs*, Chatham Borough, N. J. METHODS AND APPARATUS FOR THE PRODUCTION OF MUSIC. Patent dated June 27, 1933. Disclaimer filed March 15, 1939, by the assignee, *Miessner Inventions, Inc.*

Hereby enters its disclaimer to the combination claimed in claim 30 in said Letters Patent, excepting wherein the recited means for modifying the degree of the recited excitation over the recited period comprises means for reducing the degree of said excitation during said period.

2,020,408.—*Hal F. Fruth*, Indianapolis, Ind. CONDENSER FOIL TERMINAL. Patent dated November 12, 1935. Disclaimer filed March 9, 1939, by the assignee, *P. R. Mallory & Co., Inc.*

Hereby enters this disclaimer to claims 1 and 3.

2,079,354.—*Dewey D. Knowles*, Wilkinsburg, Pa. VACUUM SEAL. Patent dated May 4, 1937. Disclaimer filed March 9, 1939, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 2, 7, 8, 9, and 10 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 4, 1939

[Vol. 501. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 414,903. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Jan. 16, 1939.

VISTANEX

For Rubber Substitute.
Claims use since Dec. 7, 1938.

CLASS 2

Receptacles

Ser. No. 407,866. THE KILGORE MFG. COMPANY, Westerville, Ohio. Filed June 24, 1938.

Shel-glo

For Nail File Receptacles, Tumblers, Plates, Cups, and Beverage Sets Consisting of Tumblers, Coasters, and Spoons, Made from Synthetic Resins, Phenol-Formaldehyde Resins, Polystyrene Resins, Cellulose Acetate, and Ethyl Cellulose.
Claims use since June 1, 1938.

Ser. No. 414,996. THE ANDREW B. HENDRYX COMPANY, New Haven, Conn. Filed Jan. 19, 1939.

DUNCAN PHYFE

Applicant's mark is the name of the famous outstanding artisan of the early eighteenth century.
For Bird Cages.
Claims use since Dec. 19, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 390,686. BULLOCK'S, INC., Los Angeles, Calif. Filed Mar. 30, 1937.

THE Wilshire man

For Hand Soap and Shaving Cream.
Claims use since Jan. 8, 1937.

Ser. No. 408,067. MAHALA BROTHERS, Gary, Ind. Filed June 30, 1938.

CLEAN MORE

All wording is disclaimed except as shown.
For Cleaning Compound in Paste and/or Crystal Form for General Cleaning Purposes.
Claims use since Feb. 1, 1938.

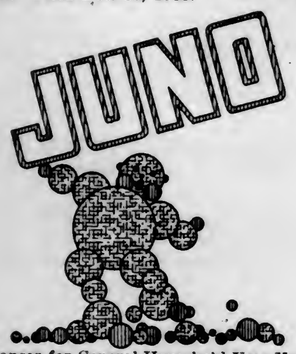
Ser. No. 414,160. PLEE-ZING, INC., Chicago, Ill. Filed Dec. 23, 1938.

PLEE-ZING

KLE-NOX

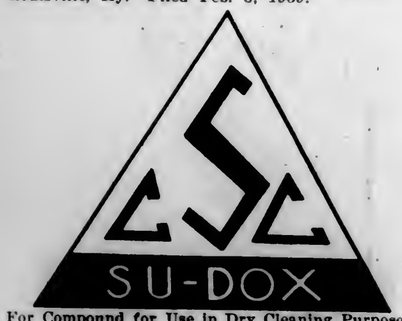
For Washing and Cleaning Preparation Having Incidental Antiseptic and Bleaching Properties.
Claims use since September, 1937.

Ser. No. 414,356. LINCO PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 30, 1938.



For Cleanser for General Household Uses Having Cleaning and Detergent Properties and Having Incidental Water Softening Properties.
Claims use since Oct. 27, 1938.

Ser. No. 415,562. SUDOX CHEMICAL COMPANY, INC., Louisville, Ky. Filed Feb. 3, 1939.



For Compound for Use in Dry Cleaning Purposes.
Claims use since Jan. 10, 1939.

CLASS 5

Adhesives

Ser. No. 415,348. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Jan. 28, 1939.

SEALOX

For Adhesive Comprised in Whole or in Part of Silicate of Soda, Either Anhydrous, Hydrated, or in Solution.
Claims use since Dec. 27, 1938.

CLASS 6

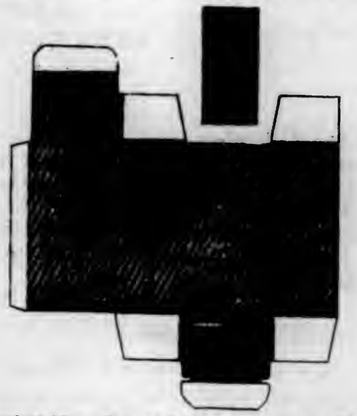
Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 409,279. ETHEL LEA NORE, INC., New York and Brooklyn, N. Y. Filed Aug. 5, 1938.

Ethel Lea-nore

For Cosmetics Including Bath-Oil, Bath Crystals, Cleansing Creams, Foundation Creams, Nourishing Creams, Tissue Creams, Hand Creams, Cosmetic Lacquers, Skin Tonics, Sachets, Talcum Powders, Nail Polishes, and Nail Polish Removers.
Claims use since Oct. 11, 1935.

Ser. No. 412,413. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y. Filed Nov. 5, 1938.



The colors blue, pink, and white being claimed as features of the mark, no claim being made to the following matter per se—namely, the outline of the carton, the outline of the label, the term "Marca Registrada" and the term "Reg. U. S. Pat. Off."—and no claim being made apart from the mark shown to the following matter—namely, "Para Embellecer el Cutis", "A Complexion Beautifier", "Crema", "Cream", and "New York".
For Toilet Creams.
Claims use since Sept. 16, 1938.

Ser. No. 412,667. JOSEPH A. REYES, doing business as Korona Drug Co., Stockton, Calif. Filed Nov. 12, 1938.



YAQUI BALM

The word "Balm" is disclaimed apart from the mark.
For Penetrating Ointment for Use in the Treatment of Rheumatism, Neuralgia, Chest Colds, Abrasions, Sprains, Backaches, and Tiredness.
Claims use since Mar. 1, 1938.

Ser. No. 413,143. WILLIAM R. ROGERS, Everett, Mass. Filed Nov. 25, 1938.



For Sodium Acetate.
Claims use since June, 1937.

Ser. No. 413,870. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed Dec. 15, 1938.

arguspan

For Photographic Chemicals.
Claims use since Nov. 20, 1938.

Ser. No. 414,026. EDMOND, QUEEN MARIE'S BEAUTICIAN, INC., New York, N. Y. Filed Dec. 20, 1938.

Prana

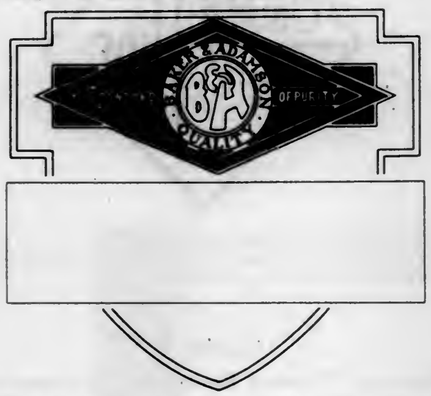
For Face Creams, Shampoos.
Claims use since Dec. 15, 1935.

Ser. No. 414,293. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 29, 1938.



The words "Standard of Purity" and "Quality", per se are disclaimed.
For Reagent Chemicals.
Claims use since 1913.

Ser. No. 414,294. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Dec. 29, 1938.



The words "Standard of Purity" and "Quality" per se are disclaimed.
For Reagent Chemicals.
Claims use since April, 1933.

Ser. No. 416,000. SCHIEFFELIN & CO., New York, N. Y. Filed Feb. 13, 1939.

FOLLACRO

For Preparation of Estradiol-17-Propionate Used for the Treatment of Various Menstrual Disorders in Women.
Claims use since Jan. 28, 1939.

Ser. No. 416,127. WESTWOOD PHARMACAL CORP., Buffalo, N. Y. Filed Feb. 16, 1939.

Duric

For Diuretic Medicinal Preparation.
Claims use since Feb. 13, 1939.

Ser. No. 416,266. RUMBY, Philadelphia, Pa. Filed Feb. 20, 1939.

Rumby

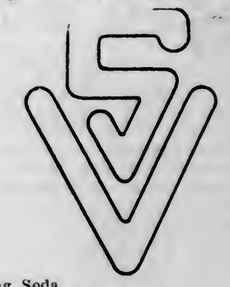
For Bay Rum.
Claims use since Dec. 2, 1938.

Ser. No. 416,272. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Feb. 20, 1939.

ROKON

For Chemical Known as Mercaptobenzothiazole Used to Prevent Deterioration of Gasoline Containers.
Claims use since Jan. 17, 1939.

Ser. No. 416,297. SANDY VALLEY GROCERY COMPANY, Ashland, Ky. Filed Feb. 21, 1939.



For Baking Soda.
Claims use since Feb. 15, 1939.

Ser. No. 416,308. ANTONIO BILOTTI, Clifton Heights, Pa. Filed Feb. 23, 1939.

BULBOCAPILLINA



For Hair Tonic to Prevent Pruriency, Dandruff, Seborrhea, Alopecy, and Falling Hair.
Claims use since Feb. 7, 1938.

Ser. No. 416,328. GEORGE M. LITSCH, Mahanoy City, Pa. Filed Feb. 23, 1939.

ZADEX

For Ointments, Lotions, and Dusting Powders for the Skin.
Claims use since Jan. 16, 1939.

Ser. No. 416,356. MORTON G. NEUMANN, doing business as Famous Products Co., Chicago, Ill. Filed Feb. 23, 1939.

GOOD TIMES

For Perfume, Vanishing Cream, Lemon Cleansing Cream, Skin Bleach Cream, Cold Cream, Skin Brightener, Pink Vanishing Cream, Brown Vanishing Cream, Face Powder, Hair Dressing Pomade, Pressing Oil, Temple Oil, Hair Fix, Hair Slicker Oil, Skin Bleach Cream, Body Powder, Bath Salts, Bath Oil, Toilet Water, Sachet Powder, Perfume Crystals, and Liquid and Solid Incense.
Claims use since Aug. 2, 1938.

Ser. No. 416,379. JOHN C. LANDERS, doing business as Tropical Showers Company, Tampa, Fla. Filed Feb. 24, 1939.



For Cooling Solution for Use in the Treatment of Sun Burn, Prickly Heat, Nettle Rash, Swollen and Aching Feet and Insect Bites.
Claims use since May 1, 1930.

Ser. No. 416,402. COMFORT MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 25, 1939.

COED

For Hand Cream.
Claims use since Dec. 20, 1938.

Ser. No. 416,478. FLORENCE IRENE REDDY, doing business as Irene, Cleveland, Ohio. Filed Feb. 27, 1939.

Co-Ed

For Hand and Skin Lotion.
Claims use since Aug. 22, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 414,116. CHAS. A. SCHIEREN COMPANY, New York, N. Y. Filed Dec. 22, 1938.



No claim is made to the word "Hide".
For Tobacco Humidors, Cigarette and Cigar Boxes.
Claims use since Oct. 21, 1938.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 414,872. FISHER BROS. PAPER CO., INC., Fort Wayne, Ind. Filed Jan. 16, 1939.

PARK LANE

For Matches.
Claims use since Nov. 1, 1935.

Ser. No. 414,994. J. HALPERN COMPANY, Pittsburgh, Pa. Filed Jan. 19, 1939.

HALCO

Gold Medal

No claim is made to the words "Gold Medal" apart from the mark.
For Fireworks.
Claims use since April, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 413,788. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Dec. 13, 1938.

Vaposet

For Compound for Drying Printing Ink.
Claims use since Nov. 14, 1938.

Ser. No. 415,210. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed Jan. 25, 1939.



For Inking Ribbons Used with Business Machines—Namely, Cash Registers, Calculating Machines, Typewriters, and the Like, and Carbon Paper.
Claims use since July 25, 1932.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 406,107. UNITED WIRE & SUPPLY CORPORATION, Cranston, R. I. Filed May 7, 1938.

DULAYER

For Metal Tubing.
Claims use since Feb. 19, 1938.

Ser. No. 414,234. OIL WELL MANUFACTURING CORPORATION, Los Angeles, Calif. Filed Dec. 27, 1938.



"RED DEVIL"

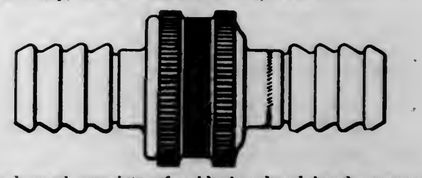
For Steel Rotary Hose, Rotary Hose Couplings, Stand Pipe Outlets and Fittings Therefor.
Claims use since Sept. 1, 1930, on stand pipe outlets and fittings; since July 27, 1930, on steel rotary hose and rotary hose couplings.

Ser. No. 414,235. OIL WELL MANUFACTURING CORPORATION, Los Angeles, Calif. Filed Dec. 27, 1938.

RED DEVIL

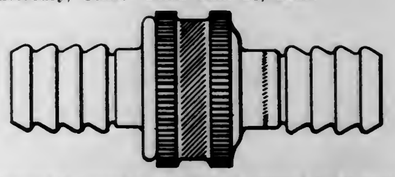
For Steel Rotary Hose, Rotary Hose Couplings, Stand Pipe Outlets, and Fittings Therefor.
Claims use since July 27, 1930, on steel rotary hose and rotary hose couplings; since Sept. 1, 1930, on stand pipe outlets and fittings therefor.

Ser. No. 415,141. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Jan. 23, 1939.



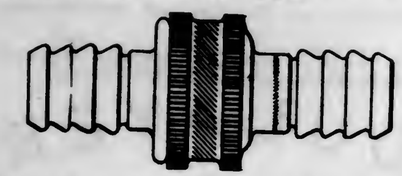
Trade-mark consists of a black colored band arranged circumferentially around the intermediate portion of the coupling. No claim is made to the representation of the hose coupling.
For Garden Hose Couplings.
Claims use since Nov. 2, 1938.

Ser. No. 415,142. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Jan. 23, 1939.



Trade-mark consists of a brown colored band arranged circumferentially around the intermediate portion of the coupling. No claim is made to the representation of the hose coupling.
For Garden Hose Couplings.
Claims use since Nov. 2, 1938.

Ser. No. 415,143. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Jan. 23, 1939.



Trade-mark consists of a green colored band arranged circumferentially around the intermediate portion of the coupling. No claim is made to the representation of the coupling.

For Garden Hose Couplings.
Claims use since Nov. 2, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 398,041. BENJAMIN GITTLEMAN, doing business as Lincoln Lace and Braid Company and Thompson Chemical Company, Cranston, R. I. Filed Oct. 2, 1937.

TIP-TOP

For Self Shine Liquid Floor Wax, Furniture Polish, Linoleum Wax Dressing, Wax Paste.
Claims use since Jan. 1, 1929.

Ser. No. 406,027. R. A. MYERS & COMPANY, St. Paul, Minn. Filed May 5, 1938.

DURE-O-WAX

No claim is made to the word "Wax" apart from the mark.
For Floor Wax.
Claims use since October, 1937.

Ser. No. 414,512. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Jan. 4, 1939.

PREPARITE

For Preparation Used for Preparing Glossy, Enameled, or Varnished Surfaces for Refinishing by Painting, Varnishing, Enameling, Etc., Which Causes the New Finish to Bind Tightly.
Claims use since Dec. 8, 1938.

CLASS 17

Tobacco Products

Ser. No. 413,139. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Nov. 25, 1938.

Tower of London

The word "London" is disclaimed apart from the mark.
For Pipe Tobacco.
Claims use since Nov. 7, 1938.

Ser. No. 413,434. CHICAGO TOBACCO CO., Chicago, Ill. Filed Dec. 3, 1938.

ASCOT



For Pipe Tobacco and Cigarettes.
Claims use since Apr. 8, 1938, on pipe tobacco; since Nov. 25, 1938, on cigarettes.

Ser. No. 414,408. PARODI CIGAR COMPANY OF NEW YORK, INC., Scranton, Pa. Filed Dec. 13, 1938.



Applicant disclaims the words "Parodi", "Pipe Tobacco", and "Trade Mark" apart from the mark.
For Smoking Tobacco.
Claims use since Nov. 23, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 415,020. WENTWORTH & IRWIN, INC., Portland, Oreg. Filed Jan. 19, 1939.

Roadliner

For Automobile Buses.
Claims use since July, 1938.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 404,669. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Filed Mar. 30, 1938.

GRIZZLY

For Non-Metallic Sheathed Electrical Cable.
Claims use since Mar. 18, 1938.

Ser. No. 413,344. JOHN W. HAMMES, doing business as In-Sink-Erator Company, Racine, Wis. Filed Dec. 1, 1938.

IN-SINK-ERATOR

No claim is made to the words "In-Sink" apart from the mark.
For Electrically Operated Kitchen Garbage Cutters for Attachment Directly to Drain Pipes into Which the Comminuted Garbage Feeds.
Claims use since Sept. 2, 1938.

Ser. No. 414,002. PAUL ROMAN, New York, N. Y. Filed Dec. 19, 1938.

TRAIN MASTER

For Portable Electrical Control Device to Operate Miniature Electric Railway Systems, Self Contained and Electrically Operated, and Having No Direct Connection with Electric Miniature Railway Systems, for Remote Control.
Claims use since Nov. 2, 1938.

Ser. No. 414,468. PHILADELPHIA STORAGE BATTERY COMPANY, Philadelphia, Pa. Filed Jan. 3, 1939.

LOKTAL

For Radio Tubes and Sockets.
Claims use since Dec. 13, 1938.

Ser. No. 414,985. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Jan. 19, 1939.

Thomas A Edison

Trade-mark consists of a copy of the signature of Mr. Thomas A. Edison, deceased.
For Miner's Electric Lighting Outfits and Portable Self-Contained Electric Lighting Outfits.
Claims use since August, 1913.

Ser. No. 414,987. THOMAS A. EDISON, INCORPORATED, West Orange, N. J. Filed Jan. 19, 1939. Under section 5b of the act of 1905 as amended in 1920.

EDISON

For Miner's Electric Lighting Outfits and Portable Self-Contained Electric Lighting Outfits.
Claims use since November, 1927.

Ser. No. 415,275. THE VIBROPLEX COMPANY, INC., New York, N. Y. Filed Jan. 26, 1939.

VIBROPLEX

For Telegraphic Sending Machines.
Claims use since Nov. 28, 1911.

Ser. No. 415,607. THE OKONITE COMPANY, Passaic, N. J. Filed Feb. 4, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938.

PERFORMITE

For Insulated Wires and Cables.
Claims use since May, 1932.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 403,740. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Mar. 5, 1938.

EAGLE

For Playing Cards.
Claims use since 1923.

Ser. No. 412,989. H. O. WALKER, Phoenix, Ariz. Filed Nov. 19, 1938.

KONQUEST

For Game Played with a Game Board and Movable Game Pieces.
Claims use since Sept. 19, 1938.

Ser. No. 415,650. A. M. HOLTER HARDWARE CO., Helena, Mont. Filed Feb. 6, 1939.

STREAM-MASTER

For Fishing Tackle, Particularly Trout Flies.
Claims use since September, 1938.

Ser. No. 415,743. SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 7, 1939.

DUCK BILL WRIGGLER

The word "Wriggler" used alone is disclaimed.
For Fish Bait.
Claims use since Dec. 5, 1938.

Ser. No. 415,746. SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 7, 1939.

TWISTING KILLER

The word "Twisting" used alone is disclaimed.
For Fish Bait.
Claims use since Dec. 5, 1938.

Ser. No. 416,295. RUBBER SPECIALTIES COMPANY, INC., Plymouth Meeting, Pa. Filed Feb. 21, 1939.

MET-ZONE

For Golf Balls.
Claims use since Nov. 3, 1938.

Ser. No. 416,344. SHOE FORM CO., INC., Auburn, N. Y. Filed Feb. 23, 1939.

TEZUM

TEASER

For Fish Bait.
Claims use since Dec. 7, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 396,830. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Aug. 27, 1937.

Me-kan-ik

For Braces, Bits, Drawing Knives, Snips, Pliers, Adjustable Angle Wrenches, Monkey Wrenches, Pipe Wrenches, Wood Chisels, Cold Chisels, Carpenters' Pincers, Screw Drivers, Claw Hammers, Peen Hammers, Engineers' Hammers, Ripping Hammers, Soldering Coppers, Cabinet Clamps, Wrecking Bars, Planes, Hatchets, Axes, Punches, Hand Grinders, and Vises.
Claims use since June 29, 1937.

Ser. No. 402,196. NATIONAL DIE CASTING SALES CORP., Chicago, Ill. Filed Jan. 21, 1938.

JUICE KING

For Fruit Juice Extractors for Extracting Juices from Fruits Such as Oranges, Lemons, Grapefruit, and the Like.
Claims use since July 5, 1935.

Ser. No. 410,680. GEBRUDER BREHMER, Leipzig-Plagwitz, Germany. Filed Sept. 17, 1938. Under 10-year proviso.

BREHMER LEIPZIG

The term "Leipzig" is disclaimed apart from the mark.
For Stitching, Sewing, Stamping, Assembling, Compressing, Binding, Pasting, Punching, Folding, Trimming, Coating, and Covering Machines for Cardboard, Leather, and Like Materials.
Claims use since 1890.

Ser. No. 412,942. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938.

UNIVAT

For Cream, Ice Cream Mix, Milk, and Other Dairy Product Batch Mixers and Batch Pasteurizers.
Claims use since November, 1932.

Ser. No. 414,434. CALBAR PAINT & VARNISH COMPANY, Philadelphia, Pa. Filed Jan. 3, 1939.

CALBAR

For Painters' and Caulkers' Tools—i. e., Caulking Guns, Putty Knives, and Scrapers.
Claims use since Jan. 5, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 398,513. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Oct. 15, 1937.

ATLAS DIALTEST

The term "Dialtest" is disclaimed apart from the mark.
For Storage Battery Testing Apparatus.
Claims use since July 31, 1937.

Ser. No. 399,484. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Nov. 8, 1937.

CADET

For Speedometers.
Claims use since Oct. 21, 1937.

Ser. No. 402,968. FRANKE & HEIDECKE FABRIK PHOTOGRAPHISCHER PRÄZISIONSAPPARATE, Brunswick, Germany. Filed Feb. 12, 1938.

Rolleicord

For Lighting Apparatus for Photographic Purposes, Objectives, Lenses and Front Lenses, Light Filters, Polarization Filters, Light and Color Meters, Exposure Meters, Range Finders, Picture Observing Devices, Stereoscopes, Photographic and Cinematographic Taking and Reproduction Apparatus, Picture Projectors and Their Parts, Diaphragm and Lens Shutters, Roller Blind and Focal Plane Shutters, Sky Shades, Panorama Heads, Stereoslides, Plate Adapters, Cine Film Devices, Plate and Film Holders, Photographic Stands, Carrying Straps, Covering Cases, and Ever-Ready Cases for Photographic Cameras.
Claims use since November, 1933.

Ser. No. 408,975. TOLEDO SCALE MANUFACTURING COMPANY, Toledo, Ohio. Filed July 27, 1938.

SPEEDWEIGH

For Weighing Scales.
Claims use since July 18, 1938.

Ser. No. 410,056. GEMOLOGICAL INSTITUTE OF AMERICA, Los Angeles, Calif. Filed Aug. 27, 1938.

DIAMONDSCOPE

For Illuminating Apparatus for Disclosing Defects of Precious Stones Through the Agency of Concentrated Light.
Claims use since Aug. 24, 1937.

Ser. No. 412,697. CORNELL-LENZ COMPANY, San Leandro, Calif. Filed Nov. 14, 1938.

SPEED-FRAME

No claim is made to the word "Frame" apart from the association shown.
For Head Supports for Goggles.
Claims use since Apr. 5, 1938.

Ser. No. 414,388. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Dec. 31, 1938.

SPEED-CHEK

For Battery Testers.
Claims use since Sept. 7, 1938.

Ser. No. 414,582. TRAFICO PARKING METER CO., Miami, Fla. Filed Jan. 6, 1939.

Trafico

For Parking Meters.
Claims use since Dec. 9, 1938.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 415,044. LACTONA, INCORPORATED, St. Paul, Minn. Filed Jan. 20, 1939.

LACTONA

For Devices for Oral Hygiene, Particularly Tooth Brushes, Massage Elements, and Combined Tooth Brushes and Massage Elements.
Claims use since Apr. 6, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 416,332. NATIONAL FILTER CORPORATION, New York, N. Y. Filed Feb. 23, 1939.

Purit

For Filter Mass—Namely, a Filtering Product Made of Cotton Fibres and Which Sometimes Includes a Percentage of Asbestos Fibres, for Filtering Beer, Wine, Gelatine, Fruit Juices, and Other Types of Juices.
Claims use since Jan. 18, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 415,017. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Jan. 19, 1939.

START A HOME JOHN WANAMAKER

The representation of the goods is disclaimed apart from the mark.
For Benches, Desks, Chests, Dressers, Cabinets, Book Cases, Book Case Doors, Wall Racks, Bed Ends, Couch Frames, Couch Ends, Tables of All Sorts, Studio Frames, Chairs, Buffets.
Claims use since May 2, 1938.

Ser. No. 415,466. THE SAM A. WING COMPANY, Dallas, Tex. Filed Jan. 31, 1939.

Art-Craft

For Venetian Blinds.
Claims use since Nov. 22, 1935.

Ser. No. 416,274. THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Feb. 20, 1939.

CAMEO

For Window Shades and Rollers.
Claims use since July, 1932.

Ser. No. 416,277. THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Feb. 20, 1939.

VIKING

For Window Shades and Rollers.
Claims use since March, 1933.

Ser. No. 416,371. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Feb. 24, 1939.

LINOLENE

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Jan. 1, 1915.

Ser. No. 416,458. H. B. DODGE AND COMPANY, Chicago, Ill. Filed Feb. 27, 1939.

ROLOUVRE

For Venetian Blinds.
Claims use since Mar. 1, 1934.

Ser. No. 416,460. FLORAL CITY FURNITURE COMPANY, INC., doing business as La-Z-Boy Chair Company, Monroe, Mich. Filed Feb. 27, 1939.

La-Z-Boy

For Chairs and Ottomans.
Claims use since January, 1929.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 413,964. KIRKE R. WILSON, Buffalo, N. Y. Filed Dec. 17, 1938.

INVERADIANT

For Gas Space Heaters—Namely, Heaters for the Local Heating of Rooms.
Claims use since Nov. 21, 1938.

Ser. No. 414,943. BASTIAN-MORLEY CO., INC., La Porte, Ind. Filed Jan. 18, 1939.

MINI-MISER

For Gas Water Heaters.
Claims use since Jan. 11, 1939.

Ser. No. 415,432. FLOYD D. YARICK, Detroit, Mich. Filed Jan. 30, 1939.

WHITE OAK

For Stokers.
Claims use since Jan. 6, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 416,411. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 25, 1939.

SKY CHAMPION

For Resilient Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Feb. 14, 1939.

Ser. No. 416,412. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 25, 1939.

SKY CHIEF

For Resilient Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Feb. 14, 1939.

Ser. No. 416,413. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 25, 1939.

SKY LINER

For Resilient Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Feb. 14, 1939.

Ser. No. 416,414. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 25, 1939.

SKYWHEEL

For Resilient Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Feb. 14, 1939.

CLASS 36

Musical Instruments and Supplies

Ser. No. 402,072. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Jan. 18, 1938.

VICTORY

For Phonographs.
Claims use since Jan. 11, 1938.

CLASS 37

Paper and Stationery

Ser. No. 370,898. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Oct. 28, 1935.



The representation of a roll of paper is disclaimed apart from the mark.
For M. G. Tissue and M. G. Wrapping Paper.
Claims use since July 10, 1935.

Ser. No. 370,900. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Oct. 28, 1935.

ECONOMY

For M. G. Tissue and M. G. Wrapping Paper.
Claims use since July 10, 1935.

Ser. No. 370,901. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Oct. 28, 1935.

GARDENIA

For Wrapping Paper and Kraft Paper.
Claims use since July 10, 1935.

Ser. No. 374,195. KENSINGTON, INCORPORATED, New Kensington, Pa. Filed Jan. 28, 1936.

IK Kensington

The word "Kensington" is disclaimed apart from the mark.
For Ink Stands, Pen and Ink Stands, Desk Sets, Correspondence Racks or Holders and Blotter Holders of Base Metal.
Claims use since Oct. 1, 1934.

Ser. No. 399,314. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

BOUNDARY

For Writing and Printing Paper.
Claims use since Aug. 17, 1937.

Ser. No. 408,457. CROWN ZELLERBACH CORPORATION, doing business as National Paper Products Company, San Francisco, Calif. Filed July 13, 1938.

NATA-PAK

The word "Pak" is disclaimed apart from the mark.
For Toilet Tissue.
Claims use since Jan. 1, 1934.

Ser. No. 413,902. A. W. FABER, INC., doing business as Johann Faber, Newark, N. J. Filed Dec. 16, 1938.

MAPLE LEAF

For Lead Pencils, Crayon Pencils, Ink Pencils, and Mechanical Pencils.
Claims use since Sept. 1, 1938.

Ser. No. 414,054. CROWN ZELLERBACH CORPORATION, San Francisco, Calif. Filed Dec. 21, 1938.

POLAR-WRAP

The word "Wrap" is disclaimed apart from the mark.
For Wrapping Paper.
Claims use since Dec. 1, 1938.

Ser. No. 414,551. L. L. BROWN PAPER COMPANY, Adams, Mass. Filed Jan. 6, 1939.

STAYRITE

For Writing Papers—Namely, Ledger, Record, Bond, Linen, Onion Skin, Loose-Leaf, Bank Note, Bank Parchment, Typewriter, and Manuscript Cover.
Claims use since Dec. 27, 1938.

Ser. No. 414,671. STRATHMORE PAPER COMPANY, West Springfield, Mass. Filed Jan. 10, 1939.

STRATHMORE TEXT

The word "Text" is disclaimed apart from the mark.
For Writing and Printing Paper.
Claims use since Dec. 15, 1938.

Ser. No. 415,117. GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Jan. 23, 1939.

STENOCRAFT

For Boxed Paper Commonly Employed for Printing and Writing Purposes.
Claims use since June 30, 1919.

Ser. No. 415,244. CHESAPEAKE-CAMP CORPORATION, Franklin, Va. Filed Jan. 26, 1939.



The word "Kraft" and the representation of the label are disclaimed apart from the mark.
For Kraft Paper.
Claims use since Jan. 10, 1939.

Ser. No. 415,615. S. E. & M. VERNON, INC., New York, N. Y. Filed Feb. 4, 1939.



No claim is made to the word "Vernon" apart from the mark or to the representation of the binder. The portrait is fanciful.
For Composition Books, Loose Leaf Fillers and Binders.
Claims use since Nov. 15, 1938.

CLASS 38

Prints and Publications

Ser. No. 406,489. AUTOMOTIVE NEWS SERVICE, New York, N. Y. Filed May 19, 1938.

Automotive News Service

For Publications in the Form of a Service Letter, Relating to the Automotive Industry Published at Irregular Intervals.
Claims use since Mar. 25, 1938.

Ser. No. 410,730. TOM FIZDALE, INC., Chicago, Ill. Filed Sept. 19, 1938.

LISTEN TO THIS

For Syndicated Column Appearing Periodically in Newspapers.
Claims use since Mar. 5, 1938.

Ser. No. 411,704. THE PACIFIC UNION ASSOCIATION OF SEVENTH DAY ADVENTISTS, Glendale, Calif. Filed Oct. 17, 1938.

VOICE OF PROPHECY

For Scripts for a Series of Commercial Radio Broadcasts, Sold in Trade as a Publication and Booklets of Songs and Verse Issued from Time to Time.
Claims use since Jan. 13, 1937.

Ser. No. 415,260. RIMINGTON PUBLISHING CO., INC., New York, N. Y. Filed Jan. 26, 1939.

THE SEA CHEST

For Periodical.
Claims use since Dec. 27, 1938.

Ser. No. 415,271. THE TOGA PRESS INC., Washington, D. C. Filed Jan. 26, 1939.

the Senator

For Magazine Published Weekly.
Claims use since Jan. 20, 1939.

Ser. No. 415,563. TRANSPORTATION GUIDES, INC., New York, N. Y. Filed Feb. 3, 1939.

OFFICIAL STEAMSHIP & AIRWAYS GUIDE

For Periodical Publication.
Claims use since Jan. 1, 1936.

Ser. No. 415,714. HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Feb. 7, 1939.

Fabrics and Ready-to-Wear

For Periodical.
Claims use since Jan. 1, 1939.

Ser. No. 415,737. FRANK W. PENNELL, New York, N. Y. Filed Feb. 7, 1939.

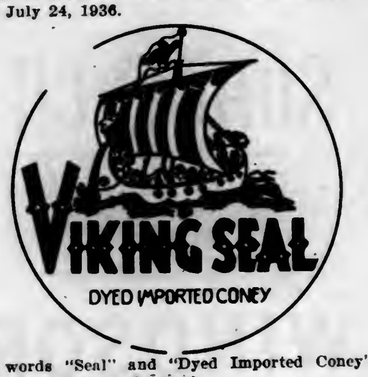
CONTENTMENT

For Periodicals.
Claims use since September, 1938.

CLASS 39

Clothing

Ser. No. 381,391. GOULD'S, INC., Minneapolis, Minn. Filed July 24, 1936.



The words "Seal" and "Dyed Imported Coney" are disclaimed apart from the mark.
For Women's Fur Coats, Fur Jackets, Fur Scarfs, Fur Collars, and Fur Cuffs.
Claims use since June 11, 1936.

Ser. No. 387,100. ART-MOR TOGS, INC., New York, N. Y. Filed Dec. 24, 1936.



The word "Togs" is disclaimed apart from the mark.
For Bathing Suits and Articles of Beachwear—Namely, Halters, Trunks, Jackets, Culottes, Slacks.
Claims use since Oct. 7, 1936.

Ser. No. 388,365. OBERMAN & COMPANY, Jefferson City, Mo. Filed Jan. 30, 1937.



For Outer Shirts, Pants, and Jackets.
Claims use since December, 1919.

Ser. No. 401,938. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Jan. 15, 1938.

Llambak

For Men's and Boys' Topcoats and Overcoats.
Claims use since Apr. 1, 1925.

Ser. No. 414,580. "SEL-MOR" GARMENT CO. INC., St. Louis, Mo. Filed Jan. 6, 1939.

Miss ELAINE

For Lingerie, Specifically for Women's and Girls' Pajamas, Nightgowns, Slips, Panties, and Housecoats.
Claims use since Aug. 4, 1936.

Ser. No. 414,624. S. COHEN & SONS, Baltimore, Md. Filed Jan. 9, 1939.

Carol-Ann

For Ladies', Misses', and Children's Cloth Coats, Suits, Skirts, Capes, Blouses, Jackets, and Sweaters.
Claims use since May, 1934.

Ser. No. 414,754. MORRIS PELTZMAN COMPANY, INC., New York, N. Y. Filed Jan. 12, 1939.



Applicant disclaims the word "Sportytogs" apart from the mark.
For Women's and Misses' Coats and Suits.
Claims use since Oct. 20, 1938.

Ser. No. 414,755. B. SCHWARTZ & Co., Philadelphia, Pa. Filed Jan. 12, 1939.

yea youngman

For Boys' Lumber Jackets, Boys' Knickers, Shorts, Jumperalls, Sport Coats, Boys' Suits.
Claims use since Jan. 26, 1938.

Ser. No. 415,170. McMULLEN-LEAVENS COMPANY, INC., New York, N. Y. Filed Jan. 24, 1939.

Caddy-Pocket

No claim is made to the word "Pocket" apart from the mark.

For Ladies' Blouses, Shorts, Sports Dresses (One- and Two-Piece), Play Suits, Separate Skirts, Sports Jackets, Lounging Pajamas, and Men's Outer Shirts and Pajamas.

Claims use since Jan. 5, 1939.

Ser. No. 415,190. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 24, 1939.



For Shoes for Boys, Made of Leather, Rubber, Fabric, and Combinations Thereof.

Claims use since Sept. 1, 1937.

Ser. No. 415,221. LANGLEY'S, INC., New York, N. Y. Filed Jan. 25, 1939.

GLEN GARRIE

For Men's Outer Shirts.

Claims use since May 1, 1915.

Ser. No. 415,471. A. DE PINNA CO., INC., New York, N. Y. Filed Feb. 1, 1939.

PINELLA

For Women's, Misses' and Girls' Dresses and Blouses.

Claims use since Jan. 11, 1938.

Ser. No. 415,476. I. GROSSMAN & SON, INC., New York, N. Y. Filed Feb. 1, 1939.

Miss 1939

For Women's and Misses' Coats and Suits.

Claims use since Jan. 15, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 407,321. NEW JERSEY WORSTED MILLS, doing business as Gera Mills, Garfield and Passaic, N. J. Filed June 10, 1938.

MOORLAND TWEED

Applicant disclaims the word "Tweed" apart from the mark.

For Woolen Goods in the Piece.

Claims use since May 1, 1938.

Ser. No. 412,207. LISA ALBERT, doing business as L. Albert Co., New York, N. Y. Filed Oct. 31, 1938.

Heir-Way

For Pad for a Newly Born Infant.

Claims use since Oct. 24, 1938.

Ser. No. 413,009. FAIRY SILK MILLS, Shillington, Pa. Filed Nov. 21, 1938.

Faerie SURELOCK

The word "Surelock" is disclaimed apart from the mark.

For Tricot and Milanese Fabrics in the Piece.

Claims use since Nov. 15, 1938.

Ser. No. 413,930. CONSOLIDATED TEXTILE CO., INC., New York, N. Y. Filed Dec. 17, 1938.

WINDSOR

UN-X-LD

No claim is made to the notation "UN-X-LD" apart from the mark. Applicant is owner of T. M. Reg. No. 120,652 under the 10-year proviso.

For Cotton Flannel Piece Goods.

Claims use since Jan. 17, 1911.

Ser. No. 414,970. SWISS FABRIC GROUP, New York, N. Y. Filed Jan. 18, 1939. Under the act of Feb. 20, 1905, as amended June 10, 1938.



The word "Helvetia" is disclaimed apart from the mark.

For Textile Fabrics in the Piece—Namely, Silk Fabrics, Satin Fabrics, Wool Fabrics, Rayon Fabrics, Cotton Fabrics, and Mixtures Thereof, and Lace Fabrics.

Claims use since Dec. 22, 1936.

Ser. No. 415,269. STEVENSON'S MOYOASHEL LINENS, LIMITED, New York, N. Y. Filed Jan. 26, 1939.

SPRINGBAK

For Linen Piece Goods.

Claims use since August, 1938.

Ser. No. 415,630. BOOTT MILLS, Lowell, Mass. Filed Feb. 6, 1939.



For Towels, Toweling in Piece, Curtains, and Scrim Curtains.

Claims use since Jan. 30, 1939.

Ser. No. 415,691. BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Feb. 7, 1939.

Opal

For Blankets Made of Cotton or Cotton and Wool.

Claims use since Feb. 28, 1938.

Ser. No. 415,695. BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Feb. 7, 1939.

Iris

For Blankets Made of Cotton or Cotton and Wool.

Claims use since Mar. 25, 1937.

Ser. No. 415,696. BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Feb. 7, 1939.

Lark

For Blankets Made of Cotton or Cotton and Wool.

Claims use since Mar. 15, 1930.

CLASS 43

Thread and Yarn

Ser. No. 414,546. THE BORDEN MFG. CO., Goldsboro, N. C. Filed Jan. 3, 1939.



The words "Quality" and "Cotton Yarn" are disclaimed apart from the mark.

For Knitting and Cotton Yarns.

Claims use since 1928.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 402,815. CLAUDE H. DANIELS, East Portchester, Conn. Filed Feb. 8, 1938.

MOLE

For Arch Supports, Foot Supports, Cushions, and Pads for Shoes.

Claims use since Jan. 31, 1938.

Ser. No. 409,637. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Aug. 16, 1938.



The word "Porcelain" is not claimed apart from the mark.

For Porcelain Teeth, Dentures Comprising Base and Teeth, and Denture Parts.

Claims use since Mar. 25, 1938.

Ser. No. 413,219. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio. Filed Nov. 28, 1938.



Trade-mark consists of a segment of a circle depressed in the lingual face of an artificial tooth.
For Artificial Teeth.
Claims use since May 31, 1938.

Ser. No. 413,220. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio. Filed Nov. 28, 1938.



Trade-mark consists of a depressed symbol in the lingual face of an artificial tooth.
For Artificial Teeth.
Claims use since May 31, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 415,543. FOOTE & JENKS, INC., Jackson, Mich. Filed Feb. 3, 1939.



For Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirup and Extract for Making the Same.
Claims use since July 1, 1938.

Ser. No. 415,588. MAX EPSTEIN, doing business as Kolonade Beverage Co., Richmond Hill, N. Y. Filed Feb. 4, 1939.

FIVE GRAND

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Jan. 20, 1939.

Ser. No. 415,807. GROVER C. THOMSEN, doing business as The Glassite Company, Waco, Tex. Filed Feb. 8, 1939.

Fire Ball

For Nonalcoholic Carbonated Beverages and Syrups for Use in the Preparation Thereof, the Same Being of Different Flavors.
Claims use since Feb. 6, 1939.

Ser. No. 415,915. SAFEWAY STORES, INC., Vernon and Oakland, Calif. Filed Feb. 10, 1939.



For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Mar. 24, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 401,502. MOUNTAIN CITY MILL CO., doing business as Chattanooga Bakery, Chattanooga, Tenn. Filed Jan. 3, 1938.

café

Applicant is the owner of trade-mark registration No. 55,931.
For Oyster Crackers.
Claims use since July 1, 1905.

Ser. No. 402,483. MEDOMAK CANNING COMPANY, Rockland, Maine. Filed Jan. 29, 1938.



The applicant is the owner of Trade-Mark 318,507, registered Oct. 30, 1934. The words "One Pie" are disclaimed apart from the mark.
For Canned Squash, Pumpkin, and Mincemeat.
Claims use since Oct. 10, 1935.

Ser. No. 404,436. ALEX FURST, Peoria, Ill. Filed Mar. 24, 1938.



Representation of the red wrapper and exclusive right to the use thereof is disclaimed.
For Cheese.
Claims use since Nov. 1, 1935.

Ser. No. 404,679. AMERICAN STORES COMPANY, Philadelphia, Pa. Filed Mar. 31, 1938.

Banner Day

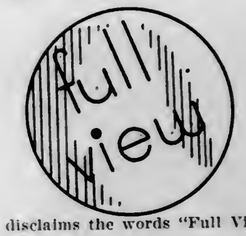
For Coffee.
Claims use since 1923.

Ser. No. 404,820. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 2, 1938.



Applicant is the owner and original registrant of U. S. trade-mark registration 310,882, registered Mar. 13, 1934.
For Coffee.
Claims use since Jan. 4, 1938.

Ser. No. 407,948. HUYLER'S, New York, N. Y. Filed June 27, 1938.



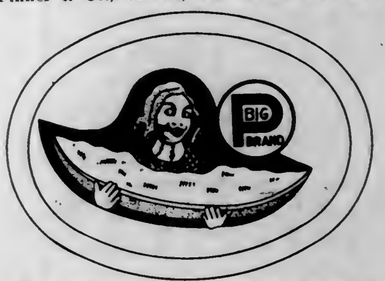
Applicant disclaims the words "Full View" apart from the mark.
For Candy.
Claims use since Apr. 14, 1937.

Ser. No. 408,351. OSCAR MAYER & COMPANY, Chicago, Ill. Filed July 9, 1938.



The applicant is the owner of the U. S. trade-mark No. 133,741, registered Aug. 3, 1920. The words "Approved Brand" are disclaimed apart from the mark.
For Meats and Meat Products—Namely, Dried Sausage, Smoked Sausage, Bacon, Ham, Smoked Ham, Boiled Ham, Blood and Tongue Loaf, Beef, Corned Beef, and Butter.
Claims use since May 15, 1936.

Ser. No. 409,653. HENRY McR. PINNER, doing business as Pinner & Co., Suffolk, Va. Filed Aug. 16, 1938.



The word "Brand" and the outline of the label are disclaimed apart from the mark.
For Watermelons.
Claims use since June, 1934.

Ser. No. 409,660. THE SWEDISH PRODUCE COMPANY, Chicago, Ill. Filed Aug. 16, 1938.

VIKING

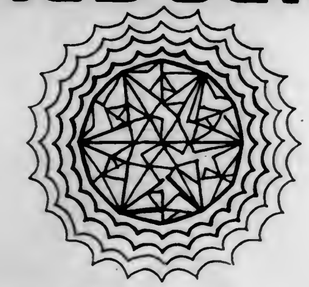
For Canned Fish Balls, Paper Wrapped Spis Bröd (Swedish Hard Bread), Paper Wrapped Cheese, Canned

Sardines, and Canned Bismarck Herring; Herring Cocktail, Spiced Herring, Cut Lunch (Herring), Cut Lunch Fillet (Fillet of Herring), Anchovies Sprats and Gaffelbitar (Spiced Cut Herring), All Packed in Glass Containers and Pails; Lingon Compote (Preserves) and Pickled Onions, Packed in Glass Containers; Canned Peas, Canned Sweet Corn, Canned Lobster, Canned Shrimps, and Canned Crab Meat; Pickles Packed in Glass Containers; Canned Light Tuna Meat and Canned White Tuna Meat; Olives Packed in Glass Containers; Canned Red Salmon; Lingon Berry Preserves Packed in Glass Containers; Canned Tomatoes; Herring Tidbits and Tidbits in Wine Sauce (Herring Pickled in Wine Sauce) Packed in Glass Containers and Pails; and Canned Baked Herring Luncheon.

Claims use since Jan. 1, 1914; on fish balls, Swedish hard bread (Spis Bröd) and cheese since Jan. 1, 1914; on sardines since Aug. 1, 1921; on Bismarck herring, herring cocktail, spiced herring, cut lunch, cut lunch fillet, anchovies sprats, spiced cut herring (Gaffelbitar), Lingon compote, onions, peas, and sweet corn since Mar. 1, 1923; on lobster, shrimps, crab meat, and pickles since June 1, 1923; on light tuna meat and white tuna meat since July 1, 1923; on olives since May 1, 1924; on red salmon since July 1, 1925; on Lingon berry preserves since Jan. 1, 1930; on tomatoes and herring tidbits since Mar. 1, 1930; on tidbits in wine sauce since Oct. 1, 1936; and on baked herring luncheon since Aug. 1, 1938.

Ser. No. 410,931. SEBASTIAN STUART FISH CO., Seattle, Wash. Filed Sept. 23, 1938.

RED GEM



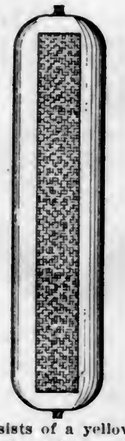
For Canned Fish.
Claims use since August, 1938.

Ser. No. 411,352. GOOD HUMOR CORPORATION OF AMERICA, Brooklyn, N. Y. Filed Oct. 6, 1938.

Lucky Stick

The word "Stick" is disclaimed apart from the mark.
For Frozen Confections.
Claims use since August, 1933.

Ser. No. 411,787. OSCAR MAYER & COMPANY, Chicago, Ill. Filed Oct. 19, 1938.



The trade-mark consists of a yellow strip or band applied longitudinally of the package or container. The representation of the container is disclaimed. No claim is made to the representation of a label colored yellow apart from the mark shown.

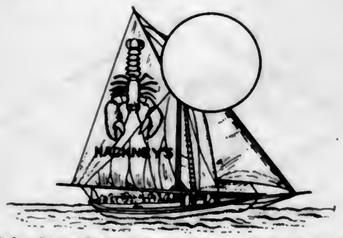
For Sliced Smoked Bacon, Bismarck Style Meat Loaf, Liver Loaf, De Luxe Loaf (Meat Including Olives and Pimentos), Meat Loaf (Including Cheese and Macaroni), Cleveland Style Sausage, Salami Cotto, Smoked Spiced Ham, Luscious Roll (Meat), Sausage, Fresh Cooked Ham, Fresh Cooked Loin Roll (Pork), Minced Roll (Pork), Ham, Picnic Pork, Cooked Ham, Venetian Loaf (Meat), Corned Beef, Head Cheese, Epicure Loaf (a Bologna Style Sausage Loaf), Smoked Dainty (a Boneless Smoked Pork Shoulder Butt), Blood and Tongue Loaf,
Claims use since Apr. 15, 1938.

Ser. No. 412,296. HARLINGEN CANNING COMPANY, Harlingen, Tex. Filed Nov. 2, 1938.



The representation of the label is disclaimed apart from the mark.
For Canned Vegetables.
Claims use since Feb. 2, 1938.

Ser. No. 413,123. HACKNEY'S SEA FOOD PRODUCTS, INC., doing business as Hackney's Restaurants, Atlantic City, N. J. Filed Nov. 25, 1938.



No claim is made to the representation of the shellfish apart from the mark.
For Canned Foods—Namely, Shellfish, Chowder, Shore Dinners (Containing Lobster, Shrimp, Fish, Soft Clams, and Oysters in a Sauce) and Sea Food Newburg (Containing Scallops, Lobster, Lump Crab-Meat, and Shrimp in a Sauce).
Claims use since September, 1936.

Ser. No. 413,738. LLOYD E. RICHARDSON, doing business as Sun-Spot Products Co., St. Joseph, Mo. Filed Dec. 12, 1938.

SUN-SPOT

For Barbecue Sauce, Horseradish, Spices, Potato Chips, Buttered Pop Corn, Peanuts, and Dried Soup Mixtures, Black Pepper, Hot Pepper Sauce, and Barbecue Horseradish.
Claims use since Oct. 10, 1938.

Ser. No. 413,841. SEBASTIAN STUART FISH CO., Seattle, Wash. Filed Dec. 14, 1938.

WHITE GEM



No claim is made to the representation of the fish apart from the mark.
For Canned Tuna Fish.
Claims use since October, 1938.

Ser. No. 414,823. EDW. H. DIVELBISS, Hotchkiss, Colo. Filed Jan. 14, 1939.



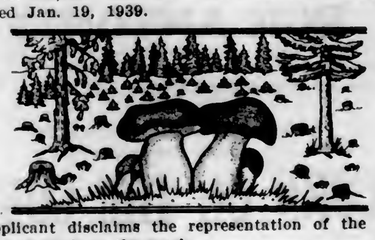
The words "Brand", "Colorado", "High Altitude Fruits", and "Hotchkiss, Colorado" are disclaimed.
For Fresh Deciduous Fruits.
Claims use since Sept. 1, 1937.

Ser. No. 414,864. PATRICK J. D'AQUILA, Jersey City, N. J. Filed Jan. 16, 1939.

SPUDLAND'S BEST

Applicant disclaims the word "Best" per se.
For Potatoes.
Claims use since October, 1937.

Ser. No. 415,023. SOLO PRODUCTS COMPANY, Chicago, Ill. Filed Jan. 19, 1939.



Applicant disclaims the representation of the mushrooms apart from the mark.
For Canned and Dried Mushrooms.
Claims use since Nov. 1, 1937.

Ser. No. 415,050. MID CITY WHOLESALE GROCERS, Cicero, Ill. Filed Jan. 20, 1939.

DANNY



For Dog Food.
Claims use since July 1, 1938.

Ser. No. 415,102. J. W. BEASLEY & CO., INC., Los Angeles, Calif. Filed Jan. 23, 1939.

GOOD AS GOLD

For Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since Aug. 20, 1938.

Ser. No. 415,173. MILLER & HOLLIS, INC., Boston, Mass. Filed Jan. 24, 1939.

Buttercup Farm

For Chocolates.
Claims use since April, 1938.

Ser. No. 415,540. BOSCO COMPANY, New York, N. Y. Filed Feb. 3, 1939.

CREAM-RISE

For Chocolate Flavored Syrup for Dairy Use.
Claims use since Dec. 31, 1938.

Ser. No. 415,605. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Feb. 4, 1939.

SALTANGS

Applicant is the owner of trade-mark registration Number 222,482, granted to it on Jan. 4, 1927.
For Bakery Products—Namely, Biscuit.
Claims use since Jan. 3, 1939.

Ser. No. 415,657. THE LUCERNE CREAM AND BUTTER COMPANY, doing business as Lucerne Cream and Butter Co., Vernon, Calif. Filed Feb. 6, 1939.

Party Pride

For Ice Cream and Sherbet.
Claims use since Dec. 6, 1938.

Ser. No. 415,785. THE MARKESAN CANNING CO., Markesan, Wis. Filed Feb. 8, 1939.

GOOD TIMES

For Canned Peas.
Claims use since 1907.

Ser. No. 415,786. THE MARKESAN CANNING CO., Markesan, Wis. Filed Feb. 8, 1939.

TRI-POD

For Canned Peas.
Claims use since 1907.

Ser. No. 415,845. E. L. KAFFER, doing business as Q Company, Joliet, Ill. Filed Feb. 9, 1939.

CREAMARONI

For Macaroni.
Claims use since Nov. 7, 1938.

Ser. No. 416,298. SANDY VALLEY GROCERY COMPANY, Ashland, Ky. Filed Feb. 21, 1939.



For Coffee.
Claims use since Feb. 14, 1939.

CLASS 47

Wines

Ser. No. 414,193. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Dec. 24, 1938.

SWISS COLONY *Special*

No claim is made to the words "Special" and "Swiss" apart from the mark.
For Wines.
Claims use since Dec. 7, 1938.

Ser. No. 414,946. EAST SIDE WINERY, Lodi, Calif. Filed Jan. 18, 1939.

ROYAL HOST

For Wines.
Claims use since Dec. 10, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 412,263. LOS ANGELES BREWING CO., doing business as Eastside Distributing Co., Los Angeles, Calif. Filed Nov. 1, 1938.

EASTSIDE DISTRIBUTING CO.

For Beer.
Claims use since Oct. 1, 1926.

Ser. No. 415,079. GENERAL BREWING CORPORATION, San Francisco, Calif. Filed Jan. 21, 1939.

LUCKY

For Beer and Ale.
Claims use since Jan. 18, 1933.

Ser. No. 415,080. GENERAL BREWING CORPORATION, San Francisco, Calif. Filed Jan. 21, 1939.

LUCKY LAGER

The word "Lager" is disclaimed apart from the mark.
For Beer.
Claims use since Jan. 18, 1933.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 413,526. DUNCAN WESTON & COMPANY LIMITED, London, England. Filed Dec. 6, 1938.

CONSORT

For Whisky.
Claims use since Oct. 1, 1938.

Ser. No. 415,638. DESTILERIA TROPICAL, Arecibo, Puerto Rico, Filed Feb. 6, 1939.

RON ANTONIO

The word "Ron" is disclaimed apart from the mark.
For Rum.
Claims use since Aug. 26, 1938.

Ser. No. 416,268. SCHENLEY DISTILLERS CORPORATION, New York, N. Y. Filed Feb. 20, 1939.

CORN ON THE COB

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 30, 1938.

Ser. No. 416,285. DAILUAINE-TALISKER DISTILLERIES LIMITED, Carron, Scotland. Filed Feb. 21, 1939.

TALISKER

For Whisky.
Claims use since 1865.

Ser. No. 416,464. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Feb. 27, 1939.

ASTIGNAC

For Brandy.
Claims use since Feb. 23, 1939.

Ser. No. 416,465. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Feb. 27, 1939.

CALIGNAC

For Brandy.
Claims use since Feb. 23, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 411,924. WESTERN CATAPHOTE CORPORATION, Toledo, Ohio. Filed Oct. 21, 1938.

CATAPHOTE

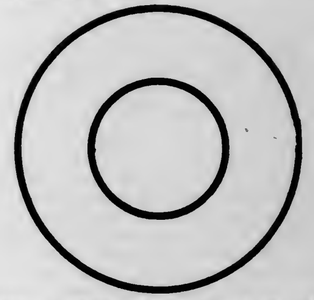
For Mechanical Signs Such as Advertising Signs, Highway Warning and Marking Signs, Street Signs, Parking Signs and the Like and Parts Therefor, Particularly Light Reflector Elements, Sign Posts and Sign Post Brackets; Road Markers and Parts Therefor.
Claims use since April, 1930.

Ser. No. 413,321. D. MINARD SHAW, New York, N. Y. Filed Nov. 30, 1938.

Sweatabloc

For Forms in Various Sizes for Blocking Sweaters and Other Knitted Goods.
Claims use since Oct. 10, 1938.

Ser. No. 414,429. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Jan. 3, 1939.



For Fabric Treated With Non-Slipping Material for Use in Preventing Slipping of Rugs.
Claims use since Sept. 29, 1938.

Ser. No. 415,610. PROSPECT MILLS CORP., Cambridge, Mass. Filed Feb. 4, 1939.

RELETHA

For Leather Substitutes.
Claims use since March, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 4, 1939

366,162. CARBON PAPER. HORDER'S INCORPORATED, Chicago, Ill.

Filed May 18, 1936. Serial No. 378,567. PUBLISHED JANUARY 24, 1939. Class 11.

366,163. BEN DAY AND HALF-TONE REPRODUCTION DRAWING PAPER. THE CRAFTINT MANUFACTURING COMPANY, Cleveland, Ohio.

Filed September 12, 1936. Serial No. 383,160. PUBLISHED JANUARY 24, 1939. Class 37.

366,164. PRINTERS' MATS, ELECTROTYPES, STEREOTYPES, AND PHOTO ENGRAVINGS. CRIBBEN & SEXTON COMPANY, Chicago, Ill.

Filed January 4, 1937. Serial No. 387,435. PUBLISHED FEBRUARY 8, 1938. Class 50.

366,165. FOODS AND INGREDIENTS OF FOODS—NAMELY, SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, MEAT, AND VEGETABLE DISHES; SOUPS, CONSOMMES, BOUILLONS, GRAVIES, MEAT EXTRACTS, MEAT JELLIES, SPICES, SAUCES FOR MEATS, FISH, AND FOWL, VEGETABLE SAUCES, FRUIT SAUCES, WHEAT, RICE, BARLEY, OAT, RYE, MAIZE, BEAN, AND POTATO FLOUR, SALT, VINEGAR, AND ALIMENTARY PASTES. MAGGI CO., INC., New York, N. Y.

Filed August 7, 1937. Serial No. 396,143. PUBLISHED JANUARY 24, 1939. Class 46.

366,166. FUSED SODA ASH BRIQUETS FOR CONTROLLING THE SLAG IN OPEN-HEARTH STEEL FURNACE PRACTICE. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y.

Filed November 5, 1937. Serial No. 399,365. PUBLISHED JANUARY 24, 1939. Class 6.

366,167. POURING SPOUTS FOR ATTACHMENT TO BOTTLES. OLDETYME DISTILLERS, INC., New York, N. Y.

Filed November 9, 1937. Serial No. 399,510. PUBLISHED JANUARY 24, 1939. Class 13.

366,168. POURING SPOUTS FOR ATTACHMENT TO BOTTLES. OLDETYME DISTILLERS, INC., New York, N. Y.

Filed November 9, 1937. Serial No. 399,511. PUBLISHED JANUARY 24, 1939. Class 13.

366,169. LIVE AND/OR DRESSED POULTRY, INCLUDING CHICKS, TURKEYS, CHICKENS, DUCKS, AND GEESE. LUTY HAWKINS, doing business as Hawkins Million Dollar Hen, Mount Vernon, Ill.

Filed November 15, 1937. Serial No. 399,763. PUBLISHED JANUARY 24, 1939. Class 46.

366,170. COOKIES. MOUNTAIN CITY MILL COMPANY, doing business as Chattanooga Bakery, Chattanooga, Tenn.

Filed November 16, 1937. Serial No. 399,802. PUBLISHED JANUARY 24, 1939. Class 46.

366,171. WINES. JEAN HENRI THIELEN, doing business as G. H. Muller, Epernay, France.

Filed November 18, 1937. Serial No. 399,907. PUBLISHED JANUARY 24, 1939. Class 47.

366,172. INSECTICIDES. JOHN B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif.

Filed December 20, 1937. Serial No. 401,077. PUBLISHED FEBRUARY 22, 1938. Class 6.

366,173. PIGMENTATIOUS MATERIAL—NAMELY, DRAWING AND WRITING INKS. EUGENE DIETZGEN CO., Chicago, Ill.

Filed December 24, 1937. Serial No. 401,211. PUBLISHED JANUARY 24, 1939. Class 11.

366,174. INSECTICIDES. LIBERTY LABORATORIES CORPORATION, Boston, Mass.

Filed December 28, 1937. Serial No. 401,308. PUBLISHED JANUARY 17, 1939. Class 6.

366,175. DEHYDRATED KELP TABLETS USED AS A MINERAL FOOD SUPPLEMENT. VITA PRODUCTS, INC., Zeeland, Mich.

Filed January 19, 1938. Serial No. 402,105. PUBLISHED OCTOBER 25, 1938. Class 6.

366,176. METAL PIPE FITTINGS. JAMES MANUFACTURING COMPANY, Fort Atkinson, Wis.

Filed February 3, 1938. Serial No. 402,616. PUBLISHED JANUARY 24, 1939. Class 13.

366,177. ASTRINGENTS, ASTRINGENT CERATES; BLEACH, BEAUTY, COLD, CLEANSING, SKIN AND TISSUE, ALL PURPOSE, LEMON, FOUNDATION, PASTEURIZED, ANTI-WRINKLE, CUCUMBER, HAND, MASSAGE, ALMOND, ACNE, FACIAL, COMBINATION, STRAWBERRY, ALMOND, AND COCOA BUTTER CREAMS, ETC. SPOONER, INC., New York, N. Y.

Filed February 25, 1938. Serial No. 403,427. PUBLISHED JANUARY 24, 1939. Class 6.

366,178. PREPARATION FOR THE USE IN PROLONGING THE LIFE AND BEAUTY OF CUT FLOWERS. WILLIAM J. BUSSERT, Maywood, Ill.

Filed March 7, 1938. Serial No. 403,752. PUBLISHED JANUARY 17, 1939. Class 6.

366,179. RAZOR BLADES. BESTOV PRODUCTS, INC., New York, N. Y.

Filed April 9, 1938. Serial No. 405,054. PUBLISHED JANUARY 24, 1939. Class 23.

366,180. TRUNKS, HAND LUGGAGE—NAMELY, SUITCASES, TRAY CASES, HAT CASES, HAT AND SHOE CASES, WARDROBE CASES, AND MAKEUP AND COSMETIC CASES. OSHKOSH TRUNKS, INC., Oshkosh, Wis.

Filed April 13, 1938. Serial No. 405,220. PUBLISHED JANUARY 24, 1939. Class 3.

366,181. VEGETABLE BROTH POWDER. CALIFORNIA DRY FOOD CO., Los Angeles, Calif.

Filed April 30, 1938. Serial No. 405,871. PUBLISHED JANUARY 24, 1939. Class 46.

366,182. FLAVORED LIQUID PREPARATION CONTAINING MALT EXTRACT, HALIBUT LIVER OIL, IRON AMMONIUM CITRATE, AND VITAMINS A, B, G, AND D. WEBB LABORATORIES, INC., Schenectady, N. Y., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware.

Filed May 14, 1938. Serial No. 406,360. PUBLISHED AUGUST 16, 1938. Class 6.

366,183. GEAR SHIFT FOR AUTOMOTIVE VEHICLES. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y.

Filed June 23, 1938. Serial No. 407,809. PUBLISHED JANUARY 24, 1939. Class 23.

366,184. WHISKEY. GEORGE BENZ SONS, INC., St. Paul, Minn.

Filed July 18, 1938. Serial No. 408,593. PUBLISHED JANUARY 24, 1939. Class 49.

366,185. FRESH AND PRESERVED BEEF, MUTTON AND PORK MEAT; FRESH AND PRESERVED BEEF, MUTTON, AND PORK OFFALS, ETC. FRIGORIFICO SIRDAR, SOCIEDAD DE RESPONSABILIDAD LIMITADA, Buenos Aires, Argentina.

Filed July 22, 1938. Serial No. 408,787. PUBLISHED JANUARY 24, 1939. Class 46.

366,186. NAIL POLISH. UNITED BRANDS INC., Newark, N. J.

Filed July 22, 1938. Serial No. 408,816. PUBLISHED JANUARY 17, 1939. Class 6.

366,187. ELECTRICAL APPARATUS FOR AIR CONDITIONING THE HAIR AND SCALP. J. P. FISCHER, INC., New York N. Y.

Filed July 26, 1938. Serial No. 408,918. PUBLISHED JANUARY 24, 1939. Class 44.

366,188. ELECTRIC WINDOW VENTILATORS AND BLOWERS. WILLIAM RICHARDSON, doing business as Simoon Fan & Blower Company, Atlanta, Ga.

Filed July 30, 1938. Serial No. 409,108. PUBLISHED JANUARY 24, 1939. Class 34.

366,189. CLOTHES WASHING MACHINES AND PARTS THEREFOR, WHICH CONSIST OF TUBS, TUB PLATFORMS, AND THE LIKE. ELECTRO-MITE CORPORATION, Los Angeles, Calif.

Filed August 9, 1938. Serial No. 409,393. PUBLISHED JANUARY 17, 1939. Class 24.

366,190. VITAMIN CONCENTRATE IN SYRUP AND TABLET FORM TO BE USED IN TREATMENT OF VITAMIN B DEFICIENCY. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif.

Filed August 15, 1938. Serial No. 409,619. PUBLISHED JANUARY 17, 1939. Class 6.

366,191. GLASSWARE—NAMELY, BOTTLES, BOXES, TRAYS, CONDIMENT DISPENSERS, VASES, BOWLS, AND STEMWARE. MAX SCHONFELD, doing business as Max Schonfeld Company, Los Angeles, Calif.

Filed August 27, 1938. Serial No. 410,049. PUBLISHED JANUARY 24, 1939. Class 33.

366,192. PUMPS. ARTHUR S. LEITCH COMPANY, LIMITED, Toronto, Ontario, Canada.

Filed September 12, 1938. Serial No. 410,470. PUBLISHED JANUARY 24, 1939. Class 23.

366,193. PREPARATIONS AND CHEMICALS FOR DEVELOPING PHOTOGRAPHIC FILM AFTER EXPOSURE. FINK-ROSELIEVE CO., INC., New York, N. Y.

Filed September 16, 1938. Serial No. 410,646. PUBLISHED JANUARY 17, 1939. Class 6.

366,194. HAIR TONIC, HAIR DRESSING, AND LIQUID DANDRUFF REMOVER PREPARATION. PAUL WESTPHAL INCORPORATED, New York, N. Y.

Filed September 17, 1938. Serial No. 410,712. PUBLISHED JANUARY 17, 1939. Class 6.

366,195. CLOTHES DRYING RACKS FOR LAUNDRY PURPOSES. SAGINAW MANUFACTURING CO., Saginaw, Mich.

Filed September 23, 1938. Serial No. 410,929. PUBLISHED JANUARY 24, 1939. Class 24.

366,196. INSECTICIDE. SUSAN OVERSTREET PARKER, Jacksonville, Fla.

Filed September 27, 1938. Serial No. 411,037. PUBLISHED JANUARY 17, 1939. Class 6.

366,197. PADS IMPREGNATED WITH A CLEANSING PREPARATION. W. E. HAUSHEER, doing business as The Tecor Co., Chicago, Ill.

Filed October 1, 1938. Serial No. 411,163. PUBLISHED DECEMBER 13, 1938. Class 6.

366,198. SOOTHING AND HEALING PREPARATION FOR INFECTIONS, CUTS, BRUISES, AND GENERAL SKIN INFLAMMATIONS. SOPHIA KOZDRON, doing business as The Sophia Kozdron Company, Garfield Heights, Ohio.

Filed October 3, 1938. Serial No. 411,227. PUBLISHED JANUARY 17, 1939. Class 6.

366,199. PHARMACEUTICAL PREPARATIONS—NAMELY, HAIR TONICS, FACE CREAMS, FACE AND HAND LOTIONS. RUDOLPH REBOLD, doing business as Osco Laboratory, New York, N. Y.

Filed October 3, 1938. Serial No. 411,247. PUBLISHED JANUARY 17, 1939. Class 6.

366,200. NAIL WAX, CUTICLE OIL, OIL NAIL POLISH REMOVER, AND NAIL POLISH AND ENAMEL. CASTILIAN PRODUCTS, Los Angeles, Calif.

Filed October 7, 1938. Serial No. 411,369. PUBLISHED JANUARY 17, 1939. Class 6.

366,201. MEDICINAL ELIXIR FOR USE AS A VEHICLE AND DIGESTANT. D. B. BELLI, INC., San Francicsco, Calif.

Filed October 8, 1938. Serial No. 411,398. PUBLISHED JANUARY 17, 1939. Class 6.

366,202. SHAMPOO. JULIAN E. MONTVILLE, doing business as The Kora Kaye Co., Astoria, Long Island, N. Y.

Filed October 10, 1938. Serial No. 411,461. PUBLISHED JANUARY 17, 1939. Class 6.

366,203. FEMININE HYGIENE PRODUCT—NAMELY, A MEDICATED DOUCHE POWDER. STANLEY LABORATORIES, INCORPORATED, Portland, Oreg.

Filed October 10, 1938. Serial No. 411,471. PUBLISHED JANUARY 17, 1939. Class 6.

366,204. HEARING AID DEVICES. C. L. HOFMANN CORPORATION, Pittsburgh, Pa.

Filed October 11, 1938. Serial No. 411,499. PUBLISHED JANUARY 24, 1939. Class 44.

366,205. COMPOUND FOR USE ON TOP OF HOT STEEL AFTER CASTING IN MOLDS FOR THE PURPOSE OF ELIMINATING PIPE, ALSO USED ON MATERIAL OR COMPOUNDS FOR THE COATING OF MOLDS PREVIOUS TO CASTING. E. F. HOUGHTON & CO., Philadelphia, Pa.

Filed October 14, 1938. Serial No. 411,606 PUBLISHED JANUARY 17, 1939. Class 6.

366,206. LAUNDRY STARCH. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.

Filed October 17, 1938. Serial No. 411,718. PUBLISHED JANUARY 17, 1939. Class 6.

366,207. CHEMICAL SOLUTIONS APPLIED TO BLACK-ON-WHITE PHOTOGRAPHIC AND OTHER PRINTS FOR IMPARTING COLOR THERETO. PHILIP O. GRAVELLE, doing business as The Gravelle Laboratory, South Orange, N. J.

Filed October 18, 1938. Serial No. 411,739. PUBLISHED JANUARY 17, 1939. Class 6.

366,208. PERFUMES, FACE POWDERS, TALCUM POWDERS, LIPSTICKS, AND BEAUTY CREAMS, AND PREPARATIONS FOR THE TEETH AND HAIR. D. R. COLLINS LIMITED, London, England.

Filed October 21, 1938. Serial No. 411,857. PUBLISHED JANUARY 24, 1939. Class 6.

366,209. PINE OIL FOR BATH ESSENCE. ERNEST L. JENNY, New York, N. Y.

Filed October 21, 1938. Serial No. 411,870. PUBLISHED JANUARY 17, 1939. Class 6.

366,210. INSECTICIDES AND CONCENTRATED EXTRACTS FOR USE THEREIN. MCLAUGHLIN GORMLEY KING COMPANY, Minneapolis, Minn.

Filed October 21, 1938. Serial No. 411,876. PUBLISHED JANUARY 24, 1939. Class 6.

366,211. ELECTRIC TOASTERS. MCGRAW ELECTRIC COMPANY, Chicago, Ill.

Filed October 21, 1938. Serial No. 411,890. PUBLISHED JANUARY 24, 1939. Class 21.

366,212. VITAMIN K PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.

Filed October 22, 1938. Serial No. 411,931. PUBLISHED JANUARY 17, 1939. Class 6.

366,213. GRANITE. ALLEN GRANITE COMPANY, Elberton, Ga.

Filed October 22, 1938. Serial No. 411,933. PUBLISHED JANUARY 24, 1939. Class 1.

366,214. ELECTRIC HAIR CLIPPERS. HENRY T. SCHIFF, Chicago, Ill.

Filed October 22, 1938. Serial No. 411,970. PUBLISHED JANUARY 24, 1939. Class 23.

366,215. COMPOSITION BELTING USED IN THE MANUFACTURE OF LADIES' BELTS, SUSPENDERS, HANDBAGS, AND PORTFOLIOS. JOSEPH BARASH, New York, N. Y.
Filed October 24, 1938. Serial No. 411,984. PUBLISHED JANUARY 24, 1939. Class 50.

366,216. FLORAL LILAC, QUININE HAIR TONIC, TALC, SKIN LOTION, HAND LOTION, GLYCERINE AND ROSE WATER, PERFUME, FACE POWDER, AND EAU DE COLOGNE. PINAUD INCORPORATED, doing business as Parfums Debay, New York, N. Y.
Filed October 24, 1938. Serial No. 412,005. PUBLISHED JANUARY 17, 1939. Class 6.

366,217. FIRE SETS COMPRISING SHOVELS, TONGS, AND POKERS. CUTTER MANUFACTURING COMPANY, Cambridge, Mass.
Filed October 25, 1938. Serial No. 412,026. PUBLISHED JANUARY 24, 1939. Class 23.

366,218. PREPARATIONS FOR USE AS DIETARY SUPPLEMENTS; PHARMACEUTICAL PREPARATIONS OF GRANULAR EFFERVESCENT SALTS; ANTIACID PREPARATIONS, ETC. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 31, 1938. Serial No. 412,239. PUBLISHED JANUARY 24, 1939. Class 6.

366,219. PREPARATIONS FOR USE AS DIETARY SUPPLEMENTS; PHARMACEUTICAL PREPARATIONS OF GRANULAR EFFERVESCENT SALTS; ANTIACID PREPARATIONS, ETC. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed October 31, 1938. Serial No. 412,240. PUBLISHED JANUARY 24, 1939. Class 6.

366,220. BICYCLES AND REPLACEMENT PARTS—NAMELY, FRAME, SEAT POST, HANDLE BARS, HANDLE BAR POST, FRONT FORK, HUBS AND HUB PARTS, SPOKES AND NIPPLES, BRAKES AND BRAKE PARTS, PEDALS, CRANKS, SPROCKETS, AND CRANK HANGER PARTS. C. C. M. INCORPORATED, Buffalo, N. Y.
Filed November 1, 1938. Serial No. 412,251. PUBLISHED JANUARY 24, 1939. Class 19.

366,221. ANTI-FREEZE PREPARATION FOR, AND TO BE USED IN CONNECTION WITH, INTERNAL COMBUSTION ENGINES. COMPOUND PRODUCTS CORP., New York, N. Y.
Filed November 2, 1938. Serial No. 412,290. PUBLISHED JANUARY 17, 1939. Class 6.

366,222. ANTI-FREEZE PREPARATION FOR, AND TO BE USED IN CONNECTION WITH, INTERNAL COMBUSTION ENGINES. COMPOUND PRODUCTS CORP., New York, N. Y.
Filed November 2, 1938. Serial No. 412,291. PUBLISHED JANUARY 17, 1939. Class 6.

366,223. BUTTER AND EGGS. UNION PREMIER FOOD STORES, INC., Philadelphia, Pa.
Filed November 2, 1938. Serial No. 412,314. PUBLISHED JANUARY 24, 1939. Class 46.

366,224. PERFUMES, TOILET WATER, EAU DE COLOGNE, FACE POWDER, TALCUM POWDER, FACE ROUGE, AND LIP STICKS. SOCIETE ANONYME LES PARFUMERIES DE GABILLA, Paris, France.
Filed November 9, 1938. Serial No. 412,562. PUBLISHED JANUARY 24, 1939. Class 6.

366,225. WINE. H. SICHEL & SONS, LIMITED, London, England.
Filed November 10, 1938. Serial No. 412,614. PUBLISHED JANUARY 24, 1939. Class 47.

366,226. PHOSPHORIC ACIDS OF VARIOUS CONCENTRATIONS INCLUDING ACIDS CONTAINING A GREATER PERCENTAGE OF P_2O_5 THAN IS PRESENT IN H_3PO_4. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 12, 1938. Serial No. 412,654. PUBLISHED JANUARY 24, 1939. Class 6.

366,227. COMPOUNDS INTENDED TO BE APPLIED AS A COATING TO COTTON, WOOL, WORSTED, RAYON, SILK, HEMP, JUTE, SISAL, AND OTHER CELLULOSIC AND FIBROUS MATERIALS AS A PROTECTION AGAINST THE DESTRUCTIVE ACTION OF ABRASION, BACTERIA, ANIMAL LIFE, AND VEGETABLE OR MARINE GROWTHS ON THESE MATERIALS. WM. E. HOOPER & SONS COMPANY, Baltimore, Md.
Filed November 14, 1938. Serial No. 412,709. PUBLISHED JANUARY 17, 1939. Class 6.

366,228. GLASS GLOBES, CHIMNEYS, AND ROUNDELS FOR OIL, GAS, AND ELECTRIC LAMPS AND HEATERS. CORNING GLASS WORKS, Corning, N. Y.
Filed November 15, 1938. Serial No. 412,755. PUBLISHED JANUARY 24, 1939. Class 34.

366,229. BICYCLES. THE COLSON CORPORATION, Elyria, Ohio.
Filed November 16, 1938. Serial No. 412,798. PUBLISHED JANUARY 24, 1939. Class 19.

366,230. BICYCLES. THE COLSON CORPORATION, Elyria, Ohio.
Filed November 16, 1938. Serial No. 412,800. PUBLISHED JANUARY 24, 1939. Class 19.

366,231. DOMESTIC CLOTHES WASHING MACHINES AND WRINGERS. ELECTRIC HOUSEHOLD UTILITIES CORPORATION, Chicago, Ill.
Filed November 16, 1938. Serial No. 412,805. PUBLISHED JANUARY 17, 1939. Class 24.

366,232. PHOTOGRAPHIC PREPARATIONS AND PHOTOGRAPHIC CHEMICALS. FINK-ROSELIEVE CO., INC., New York, N. Y.
Filed November 16, 1938. Serial No. 412,808. PUBLISHED JANUARY 24, 1939. Class 6.

366,233. COMPOUND FOR PROCESSING TEXTILE FABRICS AND LEATHER. ARKANSAS COMPANY, INC., New York, N. Y.
Filed November 17, 1938. Serial No. 412,847. PUBLISHED JANUARY 24, 1939. Class 6.

366,234. PREPARATION USED EXTERNALLY FOR THE ALLEVIATION OF PAIN. JOHN R. ELLIS, Campbell, Calif.
Filed November 17, 1938. Serial No. 412,854. PUBLISHED JANUARY 24, 1939. Class 6.

366,235. MEDICINAL SUBSTANCE FOR THE TREATMENT OF CALCIUM DEFICIENCY. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed November 17, 1938. Serial No. 412,882. PUBLISHED JANUARY 24, 1939. Class 6.

366,236. MOUNTED SHADES, WINDOW SHADES, AND SHADE ROLLERS. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,904. PUBLISHED JANUARY 24, 1939. Class 32.

366,237. COMPOUNDS FOR USE IN TEXTILE PROCESSING. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed November 19, 1938. Serial No. 412,990. PUBLISHED JANUARY 17, 1939. Class 6.

366,238. CARAMEL COLORS FOR USE IN WINES. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed November 18, 1938. Serial No. 412,919. PUBLISHED JANUARY 24, 1939. Class 47.

366,239. RACE HORSE GAME BOARD. FLOYD J. BALTHASER, Alhambra, Calif.
Filed November 21, 1938. Serial No. 412,996. PUBLISHED JANUARY 24, 1939. Class 22.

366,240. FEMININE HYGIENE POWDER (VAGINAL DOUCHE). THE PENSLAR COMPANY, Detroit, Mich.
Filed November 21, 1938. Serial No. 413,028. PUBLISHED JANUARY 24, 1939. Class 6.

366,241. PREPARATION OF HYPOPHOSPHITES. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 22, 1938. Serial No. 413,040. PUBLISHED JANUARY 24, 1939. Class 6.

366,242. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, ETC. PARFUMS ARE-JAY, INC., New York, N. Y.
Filed November 22, 1938. Serial No. 413,049. PUBLISHED JANUARY 24, 1939. Class 6.

366,243. GERMICIDAL SALVE, MEDICINAL HAND LOTION, AND GERMICIDE SOLUTION. RICHARD M. SEIBEL, also doing business as M-De-S Laboratory, Kansas City, Mo.
Filed November 22, 1938. Serial No. 413,053. PUBLISHED JANUARY 24, 1939. Class 6.

366,244. SHAMPOOS AND HAIR TONICS. ANTON SCHAFFHAUSER, doing business as Asco Chemical Company, New York, N. Y.
Filed November 23, 1938. Serial No. 413,081. PUBLISHED JANUARY 17, 1939. Class 6.

366,245. PREPARATION OF NICOTINIC ACID. ABBOTT LABORATORIES, North Chicago, Ill.
Filed November 25, 1938. Serial No. 413,092. PUBLISHED JANUARY 24, 1939. Class 6.

366,246. CORKSCREWS AND BOTTLE OPENERS. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn.
Filed November 25, 1938. Serial No. 413,096. PUBLISHED JANUARY 24, 1939. Class 23.

366,247. INSTRUMENTS FOR MEASURING CONSTANT ELECTRIC LOADS. DONALD A. HENRY, New York, N. Y.
Filed November 25, 1938. Serial No. 413,124. PUBLISHED JANUARY 24, 1939. Class 26.

366,248. LOCAL ANESTHETICS. E. R. SQUIBB & SONS, New York, N. Y.
Filed November 25, 1938. Serial No. 413,158. PUBLISHED JANUARY 24, 1939. Class 6.

366,249. PURGATIVE AND VERMIFUGE. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed November 25, 1938. Serial No. 413,168. PUBLISHED JANUARY 24, 1939. Class 6.

366,250. SMOKED AND SALTED FISH. G. VERBEET, New York, N. Y.
Filed November 26, 1938. Serial No. 413,205. PUBLISHED JANUARY 24, 1939. Class 46.

366,251. INSECTICIDES. DURHAM CHEMICAL CORPORATION, New York, N. Y.
Filed November 29, 1938. Serial No. 413,210. PUBLISHED JANUARY 24, 1939. Class 6.

366,252. INSECTICIDES. DURHAM CHEMICAL CORPORATION, New York, N. Y.
Filed November 29, 1938. Serial No. 413,211. PUBLISHED JANUARY 24, 1939. Class 6.

366,253. ELECTRICAL CONTROL APPARATUS, ELECTRICAL MACHINES, AND ELECTRICAL SUPPLIES CONSISTING OF: CONTROLLERS FOR DYNAMO-ELECTRIC MACHINES, ETC. CUTLER-HAMMER, INC., Milwaukee, Wis.
Filed November 28, 1938. Serial No. 413,221. PUBLISHED JANUARY 24, 1939. Class 21.

366,254. STRINGS FOR MUSICAL INSTRUMENTS. THE RUDOLPH WURLITZER COMPANY, De Kalb, Ill.
Filed November 28, 1938. Serial No. 413,258. PUBLISHED JANUARY 24, 1939. Class 36.

366,255. ANTISPASMODIC AND SEDATIVE DRUG USED IN THE TREATMENT OF GASTROINTESTINAL DISTURBANCES, SMOOTH MUSCLE SPASMS, HYPERCHLORHYDRIA, HYPERTENSION, CARDIAC NEUROSES, DYSMENORRHEA, BRONCHIAL ASTHMA, AND RELATED DYSFUNCTIONS. WM. P. POYTHRESS & CO. INC., Richmond, Va.
Filed November 28, 1938. Serial No. 413,259. PUBLISHED JANUARY 17, 1939. Class 6.

366,256. MEDICATED GREASELESS OINTMENT FOR THE TREATMENT OF ECZEMA, MANGE, AND SIMILAR DISEASES OF ANIMALS. MARTHA P. MINTER, doing business as Totus Mfg. Co., Philadelphia, Pa.
Filed November 29, 1938. Serial No. 413,273. PUBLISHED JANUARY 24, 1939. Class 6.

366,257. FOUNTAIN PENS AND MECHANICAL PENCILS, EITHER SINGLY OR IN COMBINATION. WATERBURY CLOCK COMPANY, Waterbury, Conn.
Filed November 29, 1938. Serial No. 413,285. PUBLISHED JANUARY 24, 1939. Class 37.

366,258. SHADES FOR PORCHES AND WINDOWS. THE AEROSHADE CO., Waukesha, Wis.
Filed November 30, 1938. Serial No. 413,291. PUBLISHED JANUARY 24, 1939. Class 32.

366,259. CANNED SHRIMP. ALGIERS CANNING CO. INC., New Orleans, La.
Filed November 30, 1938. Serial No. 413,292. PUBLISHED JANUARY 24, 1939. Class 46.

366,260. EGG SPAGHETTI, EGG NOODLES, RAVIOLI, AND MUSHROOM SAUCE. CAPRI FOOD PRODUCTS, INC., Brooklyn, N. Y.
Filed December 1, 1938. Serial No. 413,332. PUBLISHED JANUARY 24, 1939. Class 46.

366,261. PREPARATION USED AS A GARGLE. ENDO PRODUCTS, INC., New York, N. Y.
Filed December 1, 1938. Serial No. 413,338. PUBLISHED JANUARY 24, 1939. Class 6.

366,262. PREPARATIONS TO BE USED IN THE TREATMENT OF DISEASES AND DISORDERS OF THE STOMACH AND INTESTINES, NAUSEA, AND CONSTIPATION. ROGERS N. FARR, Boston, Mass.
Filed December 1, 1938. Serial No. 413,339. PUBLISHED JANUARY 17, 1939. Class 6.

366,263. PEANUTS. N. G. TERRY, Opelousas, La.
Filed December 1, 1938. Serial No. 413,370. PUBLISHED JANUARY 24, 1939. Class 46.

366,264. MEDICINAL PREPARATION FOR THE TREATMENT OF ASTHMA, HAY FEVER, WHOOPING COUGH, AND LIKE AILMENTS. THE TILDEN COMPANY, New Lebanon, N. Y.
Filed December 1, 1938. Serial No. 413,371. PUBLISHED JANUARY 24, 1939. Class 6.

366,265. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. LOUIS SCHWEITZER, Baltimore, Md.
Filed December 1, 1938. Serial No. 413,379. PUBLISHED JANUARY 24, 1939. Class 44.

366,266. ELEVATORS—NAMELY, FLUID PRESSURE OPERATED PISTON TYPE ELEVATORS, USUALLY PLATFORMED AND RISING IN THE ORDER OF TWO OR THREE FEET, AND USED CHIEFLY IN MAINTAINING THE LEVEL OF STACKED SHEETS OR LIKE WORK BEING FED TO MACHINES. ROTARY LIFT COMPANY, Memphis, Tenn.
Filed December 2, 1938. Serial No. 413,381. PUBLISHED JANUARY 24, 1939. Class 23.

366,267. GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa.
Filed December 2, 1938. Serial No. 413,395. PUBLISHED JANUARY 24, 1939. Class 49.

366,268. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa.
Filed December 2, 1938. Serial No. 413,398. PUBLISHED JANUARY 24, 1939. Class 49.

366,269. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 3, 1938. Serial No. 413,453. PUBLISHED JANUARY 24, 1939. Class 22.

366,270. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 3, 1938. Serial No. 413,454. PUBLISHED JANUARY 24, 1939. Class 22.

366,271. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed December 3, 1938. Serial No. 413,455. PUBLISHED JANUARY 24, 1939. Class 22.

366,272. PHOTOGRAPHIC ENLARGING APPARATUS. OPTIKOTECHNA SPOLEČNOST S R. O., Prerov, Czechoslovakia.
Filed December 2, 1938. Serial No. 413,464. PUBLISHED JANUARY 24, 1939. Class 26.

366,273. PHOTOGRAPHIC ENLARGING APPARATUS. OPTIKOTECHNA SPOLEČNOST S R. O., Prerov, Czechoslovakia.
Filed December 2, 1938. Serial No. 413,465. PUBLISHED JANUARY 24, 1939. Class 26.

366,274. PREPARATION FOR TREATING CORNS. J. R. COLLINS, Los Angeles, Calif.
Filed December 5, 1938. Serial No. 413,470. PUBLISHED JANUARY 24, 1939. Class 6.

366,275. ORANGES AND GRAPEFRUIT. ABNER G. ERICKSON & SONS, Arcadia, Fla.
Filed December 5, 1938. Serial No. 413,474. PUBLISHED JANUARY 24, 1939. Class 46.

366,276. FEVER PRODUCING VACCINE. ARISTOPHARM LTD., Basel, Switzerland.
Filed December 6, 1938. Serial No. 413,507. PUBLISHED JANUARY 24, 1939. Class 6.

366,277. DOLLS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed December 7, 1938. Serial No. 413,565. PUBLISHED JANUARY 24, 1939. Class 22.

366,278. BALL STOP ON THE TOP RAIL AT THE BOWLER'S END OF A BOWLING ALLEY. AMERICAN BOWLING AND BILLIARD CORP., New York, N. Y.
Filed December 9, 1938. Serial No. 413,613. PUBLISHED JANUARY 24, 1939. Class 22.

366,279. COUNTER FREEZERS. TAYLOR FREEZER CORPORATION, Beloit, Wis.
Filed December 9, 1938. Serial No. 413,655. PUBLISHED JANUARY 24, 1939. Class 31.

366,280. SHAMPOO AND OIL TREATMENT. HALGAR, INC., Chicago, Ill.
Filed December 10, 1938. Serial No. 413,670. PUBLISHED JANUARY 24, 1939. Class 6.

366,281. INSECTICIDAL COMPOSITIONS. IO-DOW CHEMICAL COMPANY, Long Beach, Calif.
Filed December 12, 1938. Serial No. 413,713. PUBLISHED JANUARY 24, 1939. Class 6.

366,282. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., INC., Kansas City, Mo.
Filed December 12, 1938. Serial No. 413,734. PUBLISHED JANUARY 24, 1939. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

366,283. (CLASS 39. CLOTHING.) PETRIE'S INC., New York, N. Y. Filed Jan. 18, 1936. Serial No. 373,839.

Hollywood
WRAP-AROUND

For Coats for Women and Girls.
Claims use since Oct. 24, 1934.

366,284. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED J. SILK, doing business as Fresh-Pop't Popcorn Co., Los Angeles, Calif. Filed Sept. 20, 1937. Serial No. 397,591.

FRESH-POP'T
BRAND

For Canned Popcorn (Popped).
Claims use since Sept. 7, 1937.

366,285. (CLASS 37. PAPER AND STATIONERY.) CROWN ZELLERBACH CORPORATION, doing business as Western Waxed Paper Company, San Francisco, Calif. Filed Dec. 1, 1937. Serial No. 400,336.

ICEPAK

For Paper, Particularly Wrapping Paper.
Claims use since June 30, 1936.

366,286. (CLASS 39. CLOTHING.) EAGLE KNITTING MILLS, Philadelphia, Pa. Filed Jan. 12, 1938. Serial No. 401,811.

RICE TWEED

For Women's Knitted Outer Garments—Namely, Dresses, Suits, Blouses, Skirts, and Jackets.
Claims use since January, 1935.

366,287. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Jan. 17, 1938. Serial No. 402,026.

WINDSOR

For Phonographs.
Claims use since Jan. 7, 1938.

366,288. (CLASS 39. CLOTHING.) HOUSE OF WHITNEY LTD., New York, N. Y. Filed Jan. 27, 1938. Serial No. 402,376.

Carlisle
Tweed

For Men's and Women's Coats and Suits.
Claims use since Nov. 20, 1937.

366,289. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) BENDIX HOME APPLIANCES, INC., South Bend, Ind. Filed Jan. 28, 1938. Serial No. 402,407.

BENDIX
HOME LAUNDRY

For Washing Machines.
Claims use since Sept. 27, 1937.

366,290. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CLEVELAND COTTON PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 28, 1938. Serial No. 402,415.

Tufedge

For Beef Clothing, Cloths, Shrouds, and Piece Goods, Composed of Cotton or the Like, for Wrapping and Covering Meats.
Claims use since Jan. 24, 1938.

366,291. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOORE AND JANZEN CUTLERY COMPANY, Shafter, Calif. Filed Jan. 31, 1938. Serial No. 402,536.

TRU-CUT

For Tin Shears.
Claims use since Dec. 29, 1937.

366,292. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WALGREEN CO., Chicago, Ill. Filed Feb. 2, 1938. Serial No. 402,612.

KOOK-EZY

For Base Metal Combination Dutch Ovens, Roasters, Pans, and Kettles.
Claims use since Jan. 20, 1938.

366,293. (CLASS 39. CLOTHING.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Feb. 19, 1938. Serial No. 403,221.

Brentwood

For Ladies' and Children's Dresses.
Claims use since Feb. 4, 1938.

366,294. (CLASS 32. FURNITURE AND UPHOLSTERY.) GRAND RAPIDS CHAIR COMPANY, Grand Rapids, Mich. Filed Mar. 18, 1938. Serial No. 404,215.

GRAND RAPIDS CHAIR COMPANY
Dexter
FINE FURNITURE

For Household Furniture—Namely, Dining Room Furniture, Bedroom Furniture, Living Room Furniture, Occasional Chairs and Tables.
Claims use since Feb. 7, 1938.

366,295. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed Mar. 21, 1938. Serial No. 404,291.

CARLOADER

For Industrial Motor Driven Trucks.
Claims use since Feb. 28, 1938.

366,296. (CLASS 39. CLOTHING.) CLEARFIELD MILLS, INC., Williamsport, Pa. Filed Apr. 2, 1938. Serial No. 404,798.

SUN WARE

For Garments for Men, Women, Boys, and Girls, and Comprising: Sweaters, Sport Jackets, Bush Coats, Polo Shirts, Slacks, Shorts, and Bathing Trunks, Made of Woven, or Knitted Materials.
Claims use since Feb. 1, 1938.

366,297. (CLASS 39. CLOTHING.) RALEIGH HABERDASHER, INC., Washington, D. C. Filed Apr. 6, 1938. Serial No. 404,954.

Miss Raleigh

For Ladies' and Girls' Coats and Suits.
Claims use since Feb. 2, 1938.

366,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DURUM CEREALS LIMITED, Toronto, Ontario, Canada. Filed Apr. 27, 1938. Serial No. 405,769.

OLD YORK

For Cereal Breakfast Foods.
Claims use since Sept. 12, 1932.

366,299. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUDLONG PICKLE CO., Chicago, Ill. Filed May 19, 1938. Serial No. 406,492.

CANDY SWEET

For Pickles and Vegetable Relishes.
Claims use since Jan. 1, 1933.

366,300. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed July 2, 1938. Serial No. 408,169.

SHERWIN-WILLIAMS COLOR-METER

For Color Mixing and Measuring Machine.
Claims use since Dec. 9, 1937.

366,301. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE AD-VER-TIS-ER, INC., Fort Wayne, Ind. Filed July 11, 1938. Serial No. 408,369.

AD-VER-TIS-ER

For Outdoor Advertising Posters, Panels, and Billboards.
Claims use since Nov. 24, 1937.

366,302. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MAC B. FEINSON, doing business as American Dispenser Company, New York, N. Y. Filed Aug. 12, 1938. Serial No. 409,547.

LATHURVALV

For Soap Dispensers.
Claims use since November, 1936.

366,303. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) PARK & TILFORD DISTILLERS, INC., New York, N. Y. Filed Aug. 20, 1938. Serial No. 409,818.

JIM GREER

For Whiskey.
Claims use since Feb. 7, 1938.

366,304. (CLASS 45. BEVERAGES, NONALCOHOLIC.) DEAN BROS. BOTTLING CO., Los Angeles, Calif. Filed Nov. 9, 1938. Serial No. 412,545.

Dr. Dean

For Nonalcoholic Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since June, 1937.

366,305. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE WOOSTER BRUSH COMPANY, Wooster, Ohio. Filed Nov. 14, 1938. Serial No. 412,744.

LINDBECK

For Paint and Varnish Brushes.
Claims use since Oct. 27, 1937.

366,306. (CLASS 39. CLOTHING.) BENDER & HAMBURGER, INC., New York, N. Y. Filed Dec. 29, 1938. Serial No. 414,286.

BENHAM

For Ladies' and Misses' Dresses.
Claims use since March, 1924.

366,307. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CRESCENT DENTAL MFG. CO., Chicago, Ill. Filed Dec. 30, 1938. Serial No. 414,340.

THE STEPHAN

For Dental Articulators.
Claims use since Jan. 2, 1917.

366,308. (CLASS 39. CLOTHING.) PARAMOUNT APPAREL, INC., New York, N. Y. Filed Jan. 5, 1939. Serial No. 414,531.

ORIGINAL Wendy Gale FASHIONS

For Ladies' and Misses' Dresses, Blouses, Skirts, Suits, and Coats.
Claims use since Dec. 20, 1937.

366,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESTATE OF PIETRO CAVATAIO, doing business as Michigan Macaroni Mfg. Co., Detroit, Mich. Filed Jan. 20, 1939. Serial No. 415,033.

MICHIGAN

For Macaroni, Spaghetti, and Egg Noodles.
Claims use since Oct. 13, 1924.

366,310. (CLASS 2. RECEPTACLES.) THE HINDE & DAUCH PAPER COMPANY, Sandusky, Ohio. Filed Jan. 23, 1939. Serial No. 415,120.

"4-POSTER"

For Shipping Containers, Particularly Containers for the Shipment of Live Baby Chicks.
Claims use since 1936.

366,311. (CLASS 39. CLOTHING.) IMPERIAL HOSIERY CO., Pittsburgh, Pa. Filed Jan. 25, 1939. Serial No. 415,220.

ReelkleeR ANY WAY YOU SEE IT

For Ladies' Hosiery.
Claims use since Jan. 2, 1936.

366,312. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) A. DEL GIUDICE & SON, INC., Providence, R. I. Filed Jan. 26, 1939. Serial No. 415,245.

DELGIUDICE

For Cemetery Memorials in the Nature of Monuments or Tablets, and Public Building Memorials in the Nature of Tablets, Plaques, or Statuary.
Claims use since 1903.

TRADE-MARK REGISTRATIONS RENEWED

124,361. READY-MIXED PAINTS AND VARNISHES. Registered February 11, 1919. THE ARCO COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed February 11, 1939.

124,552. AN ANODYNE CREAM FOR THE TREATMENT OF CERTAIN NAMED AILMENTS. Registered February 25, 1919. EDWARD LASSERE, New York, N. Y. Renewed February 25, 1939.

124,575. CANNED OLIVE-OIL AND CANNED TOMATO SAUCE. Registered February 25, 1919. P. PASTENE & Co. INC., Boston, Mass. Renewed February 25, 1939, to Pastene & Co. Inc., New York, N. Y., a corporation of Delaware, successor.

124,857. SHAVING-BRUSHES. Registered March 18, 1919. THE JAMES LOWE ERSKINE COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Renewed March 18, 1939.

124,866. FRESH APPLES AND FRESH PEARS. Registered March 18, 1919. NORTHWESTERN FRUIT EXCHANGE, Seattle, Wash. Renewed March 18, 1939, to Skookum Packers Association, Wenatchee, Wash., a corporation of Washington, assignee.

124,920. CERTAIN NAMED OILS AND GREASES. Registered March 25, 1919. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 25, 1939.

124,921. CERTAIN NAMED OILS AND GREASES. Registered March 25, 1919. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 25, 1939.

124,942. CARBONATED WATER. Registered March 25, 1919. STRATFORD MAGNESIA SPRINGS COMPY. Renewed March 25, 1939, to Stratford Springs Corporation, Wheeling, W. Va., a corporation of West Virginia, successor.

125,316. A DEXTRINOUS PRODUCT USED AS A SUBSTITUTE, IN PART, FOR WHEAT OR SIMILAR FLOURS. Registered May 6, 1919. STEIN, HALL & Co. Renewed May 6, 1939, to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware, assignee.

125,539. CARDBOARD. Registered May 20, 1919. THAMES PAPER COMPANY, L'T'D. Renewed May 20, 1939, to Thames Board Mills Limited, Purfleet, England, a corporation of Great Britain, by change of name.

125,827. COLORING SUBSTANCES USED TO PRODUCE AN OXIDIZED FINISH ON TABLE-SILVERWARE AND MARKING BRASS ARTICLES. Registered July 17, 1919. FRANK C. MATHERS AND JACOB PAPISH. Renewed July 17, 1939, to Frank C. Mathers, Bloomington, Ind., assignee.

125,855. SHEETS, SHEETINGS, PILLOW-CASES, AND COTTON PIECE GOODS. Registered June 17, 1919. UTICA STEAM & MOHAWK VALLEY COTTON MILLS. Renewed June 17, 1939, to Utica & Mohawk Cotton Mills, Inc., Utica, N. Y., a corporation of New York, by change of name.

125,860. A LINIMENT FOR CERTAIN NAMED DISEASES AND AILMENTS. Registered June 17, 1919. FRANK C. YOUNG, New Haven, Conn. Renewed June 17, 1939.

125,923. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS. Registered July 8, 1919. NELSON, BAKER & COMPANY, Detroit, Mich., a corporation of Michigan. Renewed July 8, 1939.

125,969. ARTICLES APPEARING IN BULLETINS OR LESSONS ISSUED FROM TIME TO TIME. Registered July 22, 1919. ALVIN A. BRATTON, Columbus, Ohio. Renewed July 22, 1939.

125,987. DESICCATED MILK. Registered July 22, 1919. THE DRY MILK COMPANY. Renewed July 22, 1939, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

126,022. A TONIC USED TO ALLEVIATE NERVOUS DISORDERS AND WEAKNESS AND EXHAUSTION OF THE NERVOUS SYSTEM. Registered July 22, 1919. ITALIAN DRUGS IMPORTING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 22, 1939.

126,053. KNIT AND WOVEN UNDERWEAR FOR MEN, CONSISTING OF SHIRTS, DRAWERS, AND UNION-SUITS. Registered July 22, 1919. Otis Co., Ware, Mass. Renewed July 22, 1939, to E-Z Mills, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

126,125. CERTAIN NAMED METALS AND METAL CASTINGS AND FORGINGS. Registered July 29, 1919. American Sheet & Tin Plate Company. Renewed July 29, 1939, to Carnegie-Illinois Steel Corporation, Pittsburgh, Pa., a corporation of New Jersey, by merger.

126,246. A MEDICINAL TONIC IN LIQUID OR TABLET FORM FOR TREATING CERTAIN NAMED AILMENTS. Registered August 19, 1919. The Blackburn Products Co., Dayton, Ohio, a corporation of Ohio. Renewed August 19, 1939.

126,247. A LAXATIVE TONIC FOR TREATING CERTAIN NAMED CONDITIONS AND SYMPTOMS. Registered August 19, 1919. The Blackburn Products Co., Dayton, Ohio, a corporation of Ohio. Renewed August 19, 1939.

126,252. CANNED SARDINES. Registered August 19, 1919. Booth Fisheries Co. Renewed August 19, 1939, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

126,253. CANNED SARDINES. Registered August 19, 1919. Booth Fisheries Co. Renewed August 19, 1939, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

126,288. CIGARETTES. Registered August 19, 1919. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed August 19, 1939.

126,315. OLEOMARGARIN. Registered August 19, 1919. The Miami Butterine Co., Cincinnati, Ohio, a corporation of Ohio. Renewed August 19, 1939.

126,327. CERTAIN NAMED FURNITURE. Registered August 19, 1919. Northern Furniture Company, Sheboygan, Wis., a corporation of Wisconsin. Renewed August 19, 1939.

126,331. WHEAT-FLOUR. Registered August 19, 1919. Ottawa Milling Company, Kansas City, Mo., and Ottawa, Kans. Renewed August 19, 1939, to Midland Flour Milling Company, Kansas City, Mo., a corporation of Kansas, assignee.

126,336. FLOUR MADE FROM WHEAT. Registered August 19, 1919. Pillsbury Flour Mills Company. Renewed August 19, 1939, to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware, assignee.

126,353. CANDY. Registered August 19, 1919. Standard Candy Co., Nashville, Tenn., a corporation of Tennessee. Renewed August 19, 1939.

126,358. OLEOMARGARIN. Registered August 19, 1919. Otto F. Stifel's Union Brewing Company. Renewed August 19, 1939, to St. Louis Independent Packing Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

126,400. HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered August 26, 1919. Chipman Knitting Mills, Easton, Pa., a corporation of Pennsylvania. Renewed August 26, 1939.

126,403. WATERPROOFED FABRICS. Registered August 26, 1919. The Cravenette Co., U. S. A., Hoboken, N. J., a corporation of New Jersey. Renewed August 26, 1939.

126,495. PERFUMERY. Registered August 26, 1919. United Drug Company. Renewed August 26, 1939, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

LABELS

REGISTERED APRIL 4, 1939

52,730.—*Title:* BREATH TAKING! KONTROL—TWO PURPOSE TOOTH PASTE. For Tooth-Paste. Mark W. Allen & Co., doing business as Mark Allen & Company, Detroit, Mich. Published January 28, 1939.

52,731.—*Title:* UNION MADE COAT. For Coats. Amalgamated Clothing Workers of America, New York, N. Y. Published March 1, 1939.

52,732.—*Title:* UNION MADE PANTS. For Pants. Amalgamated Clothing Workers of America, New York, N. Y. Published March 1, 1939.

52,733.—*Title:* UNION MADE VEST. For Vests. Amalgamated Clothing Workers of America, New York, N. Y. Published March 1, 1939.

52,734.—*Title:* PETIT-POINT. For Canned Peas. Blue Earth Canning Company, Blue Earth, Minn. Published July 6, 1937.

52,735.—*Title:* HI-LO STUDIO COUCH. For Studio Couches. Burton-Dixie Corporation, doing business as Burton-Dixie, Chicago, Ill. Published December 2, 1938.

52,736.—*Title:* THE LEADER. For Pancake Flour. Fred S. Carbon, doing business as F. S. Carbon Co., Buchanan, Mich. Published January 11, 1939.

52,737.—*Title:* THE LEADER. For Buckwheat Pancake Flour. Fred S. Carbon, doing business as F. S. Carbon Co., Buchanan, Mich. Published January 11, 1939.

52,738.—*Title:* DAILY VITAMINS. For Soluble Gelatin Capsules Containing Vitamins. Daily Vitamins, Inc., Cincinnati, Ohio. Published December 1, 1938.

52,739.—*Title:* SPERRY FARINA. For Farina. General Mills, Inc., Minneapolis, Minn. Published October 14, 1938.

52,740.—*Title:* GLEX COUGH SQUARES. For a Palliative Demulcent for Coughers, Singers, Smokers, and Talkers. Glex Corporation, Wheaton, Ill. Published October 12, 1938.

52,741.—*Title:* SPECIALLY SELECTED. For Furniture. Grand Rapids Furniture Exposition Association, doing business as Grand Rapids Furniture Exposition, Grand Rapids, Mich. Published February 20, 1939.

52,742.—*Title:* HOT DIGGITTY. For a Barbecue Table Extract. John A. Herrmann, doing business as Hot Diggitty Products, Chicago, Ill. Published February 27, 1939.

52,743.—*Title:* CHRISTMAS TREE SPRAY PAINT. For Christmas Tree Spray Paint. R. S. Hinkson & Son, Detroit, Mich. Published December 1, 1938.

52,744.—*Title:* TOILO CLOTH. For Toilet and Wash Cloths. Jay C. Johnson, doing business as The House of Johnson, Baltimore, Md. Published April 6, 1938.

52,745.—*Title:* GREAT STATE CIGAR, MADE BY KING ARTHUR CIGAR FACT'Y. For Cigars. King Arthur Cigar Factory, New Orleans, La. Published November 1, 1938.

52,746.—*Title:* BUBBLES SOAP FLAKES. For Soap Flakes. Jacob Klein, doing business as Bubbles Soap Products, Newark, N. J. Published February 16, 1939.

52,747.—*Title:* BLUE FLASH PHOTOGRAPHIC GELATINE. For Photographic Gelatine. Peerless Paper Specialty, Inc., Brattleboro, Vt., and Philadelphia, Pa. Published February 15, 1939.

52,748.—*Title:* FALCON BLACK LABEL. For Blended Whiskey. Joseph H. Reinfeld, Inc., Newark, N. J. Published December 5, 1938.

52,749.—*Title:* CHARWOOD. For Straight Rye Whiskey. Joseph H. Reinfeld, Inc., Newark, N. J. Published October 12, 1937.

52,750.—*Title:* SCOTTI'S ITALIAN SAUCE. For Italian Sauce. Salvatore Scoleri, Cincinnati, Ohio. Published February 21, 1939.

52,751.—*Title:* SHIVER. For Frozen Confections. Shiver Cake Corporation of America, Alameda, Calif. Published December 21, 1938.

52,752.—*Title:* BUDAPEST BRAND. For Beer. Tru-Blu Bottlers, Charleston, S. C. Published February 15, 1939.

52,753.—*Title:* PALMETTO GROVE. For Citrus Fruit. Mary A. Waller, Daytona, Fla. Published January 10, 1939.

52,754.—*Title:* WARD'S WHEAT HEART BREAD. For Bread. Ward Baking Company, New York, N. Y. Published March 7, 1939.

PRINTS

REGISTERED APRIL 4, 1939

17,302.—*Title:* IN CANKER AURALGAN. For a Medication for Ear Complications. The Doho Chemical Corporation, New York, N. Y. Published December 22, 1938.

17,303.—*Title:* A GOOD ANVIL DOES NOT FEAR THE HAMMER. For Coffee. Hills Bros., San Francisco, Calif. Published February 18, 1938.

17,304.—*Title:* A GOOD DRUM DOES NOT NEED HARD STRIKING. For Coffee. Hills Bros., San Francisco, Calif. Published February 8, 1938.

17,305.—*Title:* AN EMPTY WAGON MAKES THE MOST NOISE. For Coffee. Hills Bros., San Francisco, Calif. Published April 29, 1938.

17,306.—*Title:* AND EVERY BODY TALKS ABOUT HER COFFEE. For Coffee. Hills Bros., San Francisco, Calif. Published November 8, 1938.

17,307.—*Title:* AND LOTS OF WOMEN ENVY HER FINE COFFEE. For Coffee. Hills Bros., San Francisco, Calif. Published October 11, 1938.

17,308.—*Title:* AND SHE TAKES PRIDE IN MAKING COFFEE. For Coffee. Hills Bros., San Francisco, Calif. Published November 22, 1938.

17,309.—*Title:* AND THOSE HANDS ARE SKILLED IN MAKING COFFEE. For Coffee. Hills Bros., San Francisco, Calif. Published October 4, 1938.

17,310.—*Title:* AND WHAT'S MORE SHE'S AN EXPERT COFFEE MAKER. For Coffee. Hills Bros., San Francisco, Calif. Published October 25, 1938.

17,311.—*Title:* AND 'WONDERFUL' DESCRIBES THE COFFEE SHE MAKES. For Coffee. Hills Bros., San Francisco, Calif. Published November 1, 1938.

17,312.—*Title:* THE BOXER'S FIST MUST KEEP TO ITS TASK. For Coffee. Hills Bros., San Francisco, Calif. Published May 3, 1938.

17,313.—*Title:* DON'T MISS THIS FEATURE IN - - - APRIL GOOD HOUSEKEEPING 1938. For Coffee. Hills Bros., San Francisco, Calif. Published April 5, 1938.

17,314.—*Title:* EVERY WOMAN LOVES A COMPLIMENT. For Coffee. Hills Bros., San Francisco, Calif. Published October 18, 1938.

17,315.—*Title:* GOOD COFFEE WINS PRAISE EVERY DAY. For Coffee. Hills Bros., San Francisco, Calif. Published July 7, 1938.

17,316.—*Title:* THE HORSE IS NOT JUDGED OF BY THE SADDLE. For Coffee. Hills Bros., San Francisco, Calif. Published February 15, 1938.

17,317.—*Title:* IF YOU RUN AFTER TWO HARES YOU WILL CATCH NEITHER. For Coffee. Hills Bros., San Francisco, Calif. Published April 28, 1938.

17,318.—*Title:* BLUE COAL HEATING GAUGE. For Coal. Household Fuel Division of Blue Coal Corporation, Hartford, Conn. Published January 31, 1939.

17,319.—*Title:* "CENTURY" ASBESTOS WALTILE. For Asbestos Waltile. Keasbey & Mattison Company, Ambler, Pa. Published December 15, 1938.

17,320.—*Title:* ANDEKER A WORD ABOUT A FINE BEER. For Beer. Premier-Pabst Sales Co., Peoria Heights, Ill. Published February 20, 1939.

17,321.—*Title:* GOOD—ISN'T IT, PAL? (HORSE POSTER). For Horse Food. Ralston Purina Company, St. Louis, Mo. Published January 27, 1939.

17,322.—*Title:* REBUILD YOUR DRY COWS (DAIRY POSTER). For Dairy Feed. Ralston Purina Company, St. Louis, Mo. Published January 24, 1939.

17,323.—*Title:* NEW STARTENA CONTAINING PURE-FLAV VITAMIN G (FLAVIN) INGREDIENTS FOR EXTRA GROWTH . . . STRONGER CHICKS! (CHICK BROODER TOP DISPLAY). For Chick Feed. Ralston Purina Company, St. Louis, Mo. Published January 23, 1939.

17,324.—*Title:* TREND THE NEW BOW TIE. For Bow Ties. Scheftels and Simson Company, Milwaukee, Wis. Published January 6, 1939.

17,325.—*Title:* DR. SCHOLL'S ARCH BINDER. For Arch Binder. The Scholl Mfg. Co. Inc., Chicago, Ill. Published February 6, 1939.

17,326.—*Title:* DR. SCHOLL'S SOLVEX. For a Liquid Preparation and an Ointment for Relieving "Athlete's Foot" and Itching Toes. The Scholl Mfg. Co. Inc., Chicago, Ill. Published February 6, 1939.

17,327.—*Title:* DR. SCHOLL'S LASTIK METATARSAL PAD. For Metatarsal Pads for Relieving Callouses, Pains, and Cramps at Ball of Foot. The Scholl Mfg. Co. Inc., Chicago, Ill. Published February 6, 1939.

17,328.—*Title:* CEREAL AND FRUIT—(CASE POSTER). For Breakfast Cereal. Lloyd M. Skinner, doing business as Skinner Manufacturing Company, Omaha, Nebr. Published February 10, 1939.

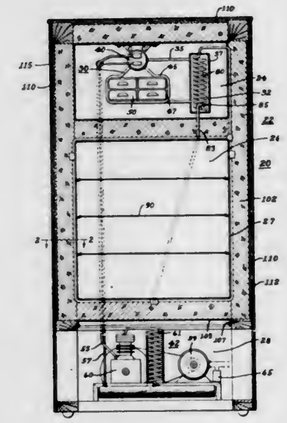
21,040

REFRIGERATING APPARATUS

J. Lowell Gibson, Dayton, Ohio, assignor to General Motors Corporation, a corporation of Delaware

Original No. 2,073,741, dated March 16, 1937, Serial No. 485,446, September 30, 1930. Application for reissue February 10, 1939, Serial No. 255,693

7 Claims. (Cl. 62—116)



5. Refrigerating apparatus including a plurality of vertically extending insulating walls forming an enclosure coextensive in width and depth substantially throughout the height thereof, an imperforate partition element extending horizontally between said vertical walls and dividing said enclosure into upper and lower food storage compartments, said compartments being substantially coextensive in width and depth, an evaporator located within one of said compartments, said evaporator having a portion thereof disposed for the making of ice, and another portion thereof for directly cooling air within said one compartment, a second evaporator in heat exchange relation with said second compartment, a condenser connected to said second named evaporator, said condenser being arranged in direct contact with a portion of said first named evaporator.

21,041

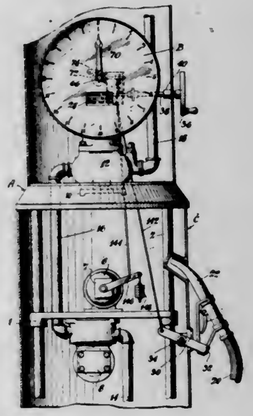
SIGNAL DEVICE FOR DISPENSING PUMPS

Charles S. Hazard, Andover, N. J., assignor to Neptune Meter Company, a corporation of New Jersey

Original No. 2,061,538, dated November 17, 1936, Serial No. 69,059, March 16, 1936. Application for reissue June 27, 1938, Serial No. 216,190

13 Claims. (Cl. 221—95)

1. In a warning signal for dispensing pumps, a member having two designations thereon, each of which is individually exposable to view, a movable arm carrying said member, a latch lever operatively connected to said arm for moving the member, and control means movable to two positions, in one of which the latch lever is engageable with the control means and in the other the



latch member passes beyond the control means, to thereby expose the designation corresponding to the position of the control means.

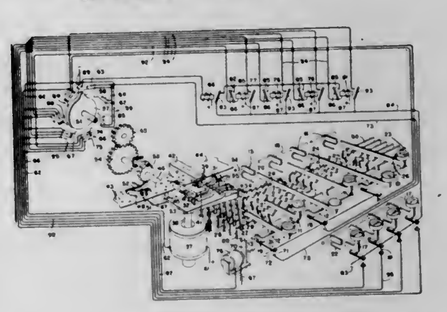
21,042

SELECTIVE CONTROL SYSTEM AND APPARATUS

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original No. 2,024,012, dated December 10, 1935, Serial No. 648,378, December 22, 1932, which is a division of Serial No. 393,761, September 19, 1929, now Patent No. 2,134,005, October 25, 1938. Application for reissue September 18, 1937, Serial No. 164,492

52 Claims. (Cl. 178—17.5)



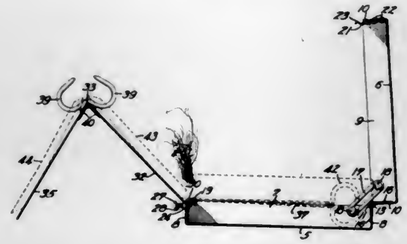
1. In a machine for perforating a record material, means to make a group of code perforations in said material, mechanical means to control the making of certain of said perforations, and electrical means to control the making of other perforations.

21,043
ABRASIVE WHEEL AND METHOD OF MANUFACTURE
Baalis Sanford and Duane E. Webster, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original No. 2,085,705, dated June 29, 1937, Serial No. 48,445, November 5, 1935. Application for reissue June 8, 1938, Serial No. 212,605
6 Claims. (Cl. 51—278)

1. Method of making rubber bonded abrasive bodies which comprises forming rubber into a sheet, dieing out the sheet into desired shapes, introducing the shapes into a mold with a vulcanizing agent, after the rubber is in sheet form spreading abrasive grain thereon, the abrasive grain being distributed throughout the mold and in contact with each shape, pressing and vulcanizing.

21,044
BINDER FOR RECEIPTS AND THE LIKE
Walter L. Wolford, Oakland, Calif.
Original No. 2,072,471, dated March 2, 1937, Serial No. 62,129, February 3, 1936. Application for reissue September 18, 1937, Serial No. 164,501
7 Claims. (Cl. 129—1)

1. A binder for sheets of paper comprising a pair of opposed hollow sections hinged together along an edge thereof and movable into adjacent relationship to provide a closed container, a plate of sheet material pivotally mounted on an edge of one of said sections, said plate having mounted on an edge thereof U-shaped elements, a flap of sheet material hinged to said plate along the edge



thereof carrying said U-shaped elements, said flap being also provided with U-shaped elements cooperative, when said flap is moved relative to said plate, with the U-shaped elements of said plate to provide a closed loop for supporting sheets of paper, said flap and plate being movable from positions exterior of said container to positions therewithin.

PLANT PATENTS

GRANTED APRIL 4, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

323
ROSE
Edward Richard Asmus, Sr., Closter, N. J.
Application March 17, 1938, Serial No. 196,532
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the fluted form of the petals of its bloom, the color and velvety appearance thereof, and the lasting quality of the bloom before blueing occurs, substantially as shown and described.

324
DELPHINIUM
Bonne Ruys, Dedemsvaart, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y.
Application September 13, 1938, Serial No. 229,780
1 Claim. (Cl. 47—60)

A new and distinct variety of delphinium, characterized by the form and habit of growth of the plant, its root system, and the pink color of its blossom, substantially as shown and described.

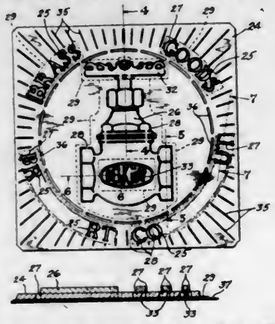
325
PEACH TREE
John Ugene Nametz, Benton Harbor, Mich., assignor to Greening Nursery Company, Monroe, Mich.
No Drawing. Application November 15, 1938, Serial No. 240,557
1 Claim. (Cl. 47—62)

A new variety of peach tree producing peaches identical with those of the variety Halehaven but with a ripening season one week to ten days earlier than that of Halehaven.

PATENTS

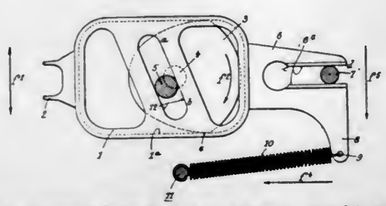
GRANTED APRIL 4, 1939

2,152,623
DISPLAY SIGN
William L. Belknap, Stratford, and Edwin L. Meyer, Bridgeport, Conn.
Application May 28, 1938, Serial No. 210,752
9 Claims. (Cl. 40—133)



1. A sign comprising a sheet of cardboard having a character outlined by narrow slots through the cardboard, a raised character on the face of the cardboard resting on the inner section of the outline and of a duplicate shape thereto, said raised portion being also of substantially the same size as the inner section of the outline, and translucent colored paper covering the rear of the slots so that light from the rear of the cardboard will pass through this paper to the slots.

2,152,624
INTERMITTENT FILM FEED
Paul Georges Cazes, Paris, France, assignor to Pathé Cinéma Anciens Etablissements Pathé Freres, Paris, France
Application January 11, 1938, Serial No. 184,367
In France April 1, 1937
1 Claim. (Cl. 88—18.4)



In a cinematograph apparatus, in combination a stationary pivot, a slide provided on one lateral side with at least one claw, on the opposite lateral side with a guiding slot substantially at right angles with said lateral sides and engaging slidably and pivotally said pivot, and between said claw and said guiding slot with a bearing surface facing upwards and substantially parallel to said guiding slot and with an oblique surface facing said claw and having its lower end nearer said guiding slot than its upper end, a cam engaging said bearing surface and adapted to impart to said slide downward movements, controlling means engaging said oblique surface and adapted to impart to said slide lateral movements towards said pivot, stationary attaching means situated below said slide, and a spring attached at one end to said attaching means and at its other end to said slide at a point situated below said pivot and above said attaching means and adapted to urge constantly and simultaneously the upper side of said guiding slot against said pivot, said bearing surface against said cam and said oblique surface against said controlling means.

2,152,625
SEXUAL HORMONES AND METHOD OF PREPARING THEM
Wilhelm Dirscherl, Frankfort-on-the-Main, and Fritz Hanusch, Heidelberg, Germany, assignors to Rare Chemicals Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Application November 23, 1936, Serial No. 112,350. In Germany November 25, 1935
21 Claims. (Cl. 260—397)

1. The process of producing hormone like substances having the activity of a male sexual hormone as well as of a corpus luteum hormone which comprises treating a mixture containing a substance of the group consisting of cinchone, sitostenone, and stigmastenone by oxidizing agents consisting of the group of oxygen compounds of metals, containing large amounts of available oxygen, of tetravalent lead and of acids derived from hydrogen peroxide.

2,152,626
SEXUAL HORMONES AND METHOD OF PREPARING THEM
Wilhelm Dirscherl, Frankfort-on-the-Main, and Fritz Hanusch, Heidelberg, Germany, assignors to Rare Chemicals Inc., Nepera Park, N. Y., a corporation of New York
No Drawing. Original application November 23, 1936, Serial No. 112,350. Divided and this application August 19, 1937, Serial No. 159,930. In Germany November 25, 1935
17 Claims. (Cl. 260—397)

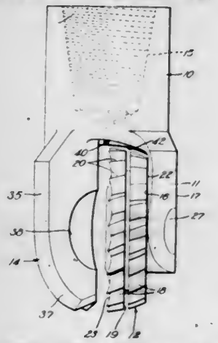
1. The process of producing hormone like substances having the activity of a male sexual hormone as well as of a corpus luteum hormone which comprises treating a mixture of substances containing allocholesterol by vigorously acting oxidizing agents consisting of the group of oxygen compounds of metals containing large amounts of available oxygen, of tetravalent lead and of acids derived from hydrogen peroxide.

2,152,627
METHOD OF TREATING GELATIN
Egon Elöd, Karlsruhe, and Ernst Demme, Weinheim, Germany, assignors to firm Carl Freudenberg G. m. b. H., Weinheim, Germany, a society of Germany
No Drawing. Application May 4, 1935, Serial No. 19,902. In Germany May 4, 1934
14 Claims. (Cl. 106—39)

1. A method of treating gelatin comprising swelling the gelatin with a non-aqueous glycerine-containing swelling agent, substantially removing the swelling agent from said gelatin by extraction with a volatile organic solvent which

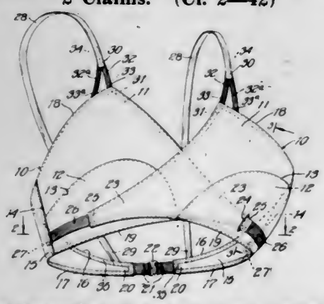
dissolves glycerine and incorporating a softening oil which is insoluble in water into the gelatin.

2,152,628
WELL BIT
Louis A. Gauthey, Glendale, and William C. Kuykendall, Huntington Park, Calif.; said Kuykendall assignor to said Gauthey
Application July 23, 1937, Serial No. 155,240
11 Claims. (Cl. 255—61)



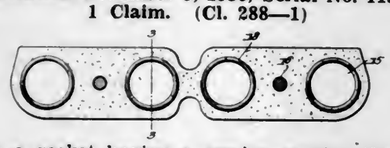
4. A rotary well drilling bit comprising a body to be rotated in the well, a rotatable cutter, means supporting the cutter at the lower end of the body for rotation about an axis substantially transverse of the axis of rotation of the body and tangent to a circle concentric with the axis of rotation of the body to have the cutter project downwardly and laterally beyond the lower end of the body so that the cutter acts on the bottom wall of the well and the side wall of the well, and a blade rigid with the body projecting downwardly and laterally beyond the lower end of the body to engage the bottom wall of the well and to engage the side wall of the well at a point substantially opposite the point of engagement of the said cutter with the side wall to maintain the cutter in active engagement with the side wall of the well.

2,152,629
BRASSIÈRE
William Gluckin, New York, N. Y.
Application August 18, 1938, Serial No. 225,528
2 Claims. (Cl. 2—42)



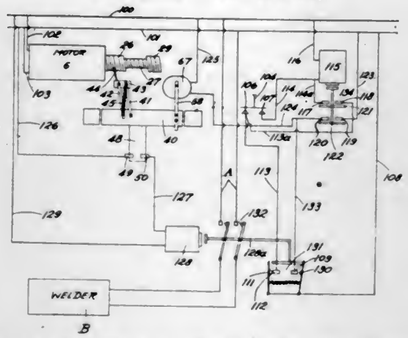
1. In a brassière of the class described having side members terminating in rear straps detachably coupled for mounting the brassière upon the body of the wearer, two independent and relatively movable breast pockets, said pockets having outer sides fixedly secured to the side members of the brassière, adjacent end portions of said pockets having overlapped extensions terminating in reduced ends, said reduced ends extending onto the lower portions of opposed pockets, and elastic straps coupling the reduced ends with the side members to which opposed pockets are secured to provide free relative movement of the pockets one with respect to the other circumferentially of the brassière.

2,152,630
GASKET
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 9, 1936, Serial No. 115,020
1 Claim. (Cl. 288—1)



In a gasket having a service opening therein and bolt openings and formed of a layer of metal and a coextensive layer of cushion material with the metal layer having projections struck up therefrom and embedded in the cushion layer, means to compensate for irregularities around the service opening comprising a rib-like embossment pressed up in the composite material of the gasket about said opening to provide for an initial sealing engagement of the gasket before the final seating of the parts to be sealed on the gasket.

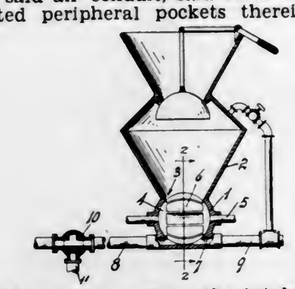
2,152,631
WELDING TIMER
Donald I. Bohn, Pittsburgh, Pa.
Application February 23, 1937, Serial No. 127,036
13 Claims. (Cl. 219—4)



1. In a welding circuit, an electrically actuatable switch, a synchronous motor, a cam continuously actuated thereby, a cam follower engageable with and removable from said cam, and means operatively associated with said follower for actuating said switch during the time the follower is in engagement with a predetermined part of said cam.

2,152,632
FEED MECHANISM
Alphonse T. Cassiere, Long Beach, Calif., assignor to Frank L. Rogers, Long Beach, Calif.
Application May 1, 1934, Serial No. 723,351
6 Claims. (Cl. 302—49)

1. A feed mechanism comprising a housing, a feed wheel rotatably mounted in said housing, said housing having a material intake, an air conduit adjacent the feed wheel thru which air under pressure is forced, an outlet in the housing to said air conduit, said feed wheel having elongated peripheral pockets therein whereby



material is conveyed from the intake to the air conduit, said feed wheel being spherical in shape, said feed wheel projecting into the air conduit, said pockets being arranged in the feed wheel parallel to the conduit.

2,152,633
DRYING OIL COMPOSITIONS
William R. Catlow, Jr., and Harold F. Wakefield, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 25, 1936, Serial No. 76,394
10 Claims. (Cl. 134—26)

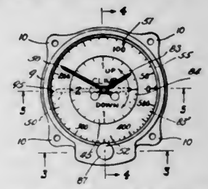
2. Process of preparing an oil-resin composition dispersible in a liquid medium to form a coating composition drying substantially by evaporation of liquid medium which comprises advancing a composition of a fatty oil and an oil-soluble resin of the phenol-aldehyde type to a condition of non-extractability in acetone approximating thirty per cent or more in the presence of a control agent capable of maintaining dispersibility in a liquid medium of the composition in the advanced condition, said control agent being selected from the group consisting of oxides, hydroxides, naphthenates and tungates of zinc, lead, magnesium and calcium and carbon black.

2,152,634
CLOSURE MEANS FOR RECEPTACLES
Vernon E. Cornell, Garfield Heights, Ohio, assignor to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 31, 1934, Serial No. 709,221
9 Claims. (Cl. 220—61)



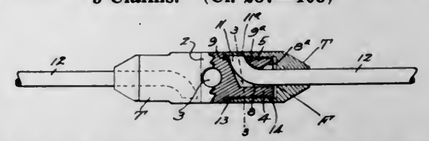
7. The combination with a receptacle and a cover having related annular portions, of a split channeled clamping ring adapted to be contracted and expanded circumferentially and engageable with the said annular portions for securing them together when the ring is contracted thereon, lugs extending inwardly from the ring adjacent each end thereof, intermeshing gear elements directly connected to the aforesaid lugs and arranged to either contract or expand the ring at will as they intermesh, and means for locking the clamping ring in the position to which it is moved by the gearing and also relieving the gearing from direct strain due to tendency on the part of the ring to return to the position from which it was moved, comprising an off-set opening on one gearing element with a bearing surface and a contact portion carried by the other gear element adapted to come into engagement with the said bearing surface at the conclusion of the movement of the ring by the gearing elements.

2,152,635
AIRCRAFT SPEED INDICATOR
Carl J. Crane, Fairfield, and Francis G. Nesbitt, Dayton, Ohio
Application May 26, 1936, Serial No. 81,870
27 Claims. (Cl. 73—151)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft speed indicating instrument, the combination of two concentrically pivoted pointers, means responsive to the horizontal speed of an aircraft for actuating one of said pointers, means responsive to the vertical speed of said aircraft for actuating the other of said pointers, and means for setting said pointers so that they form a horizontal line across the face of the instrument for level flight at a desired horizontal cruising speed.

2,152,636
ROD COUPLING ASSEMBLY
Hubert R. Crane, Los Angeles, Calif.
Application January 9, 1937, Serial No. 119,818
5 Claims. (Cl. 287—105)



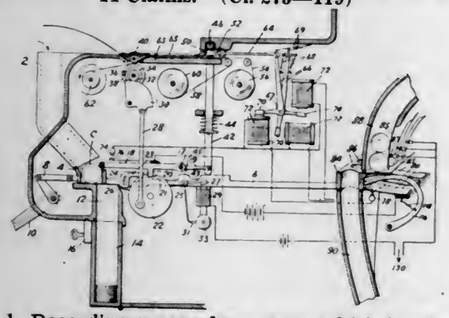
1. A rod coupling assembly including a body member, adapted for application of a turning tool, and having a threaded end having a rod entrance bore and a lateral aperture therefrom forming a hook-shaped pocket, a rod having a hook end insertible into the pocket, and a collar slidable and turnable on the rod and screwing onto the body and telescoping over the hook end of the rod and having internal means binding on the rod hook to hold it rigidly in place in the lateral hole.

2,152,637
WELDING
Anthony G. de Golyer, New York, N. Y.
No Drawing. Application October 30, 1937, Serial No. 171,896
4 Claims. (Cl. 219—8)

1. A weld rod comprising a metallic support portion of a ferrous alloy containing metal selected from the group tungsten, molybdenum and chromium, and an adherent coating having therein a boron containing compound which will dissolve in the metal of said support portion to form a weld deposit containing metal selected

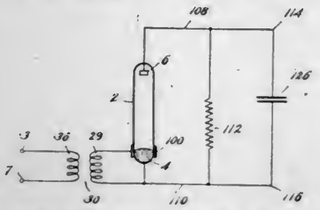
from the group tungsten, molybdenum and chromium 2% to 20%, boron 0.15% to 1.50% and the balance substantially iron.

2,152,638
RECORDING MECHANISM FOR GAMES
Eleuthere Paul du Pont, Montchanin, Del.
Application December 30, 1933, Serial No. 704,658
11 Claims. (Cl. 273—119)



1. Recording means for a game which involves a possible repeated scoring of a certain amount, comprising means for carrying a record bearing member, a plurality of separate means for recording separate amounts on the record member, a corresponding plurality of means for placing said recording means in active condition, means which in each operation may actuate once any active one of the recording means, and means limiting the operations of said actuating means during a single game to the maximum number of occurrences of a scored amount.

2,152,639
ELECTRIC CIRCUIT
Harold Eugene Edgerton, Belmont, Mass.
Application February 23, 1937, Serial No. 127,187
6 Claims. (Cl. 175—354)

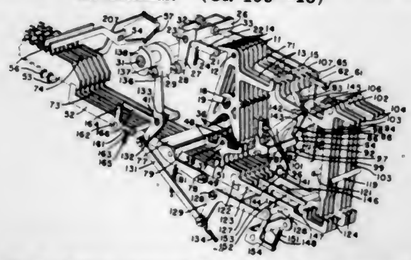


1. An electric circuit having, in combination, a gaseous-discharge tube having an anode, a cathode and a grid, an output circuit connected between the cathode and the anode but without any source of energy therein, and means for applying a voltage between the cathode and the grid to produce a current in the output circuit between the cathode and the anode.

2,152,640
METHOD OF REMOVING FROM WOOL CERTAIN OTHER FIBERS
Carl S. Ferguson, Needham, Mass.
No Drawing. Application June 17, 1936, Serial No. 85,701
6 Claims. (Cl. 8—140)

4. A method of treating mixed wool and natural silk fibers, which comprises treating the mixed fibers with a hot concentrated solution of zinc chloride and calcium chloride substantially free from inorganic acids until the silk therein is dissolved, and washing the residual fibers.

2,152,641
TAPE CONTROLLED APPARATUS
Maurus T. Goetz, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware
Application August 9, 1937, Serial No. 158,095
31 Claims. (Cl. 199—18)

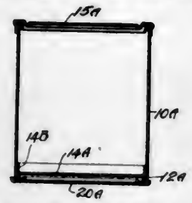


1. In a strip controlled apparatus, means for sensing a signal combination, means for effecting a control condition corresponding thereto, means for simultaneously sensing the next signal combination, means for comparing said signal combinations, and means for varying the responsiveness of the control condition in accordance with certain comparative conditions.

2,152,642
TREATMENT OF TUNG OIL
Walter J. Harper, Lakewood, Ohio, assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 4, 1933, Serial No. 700,880
7 Claims. (Cl. 260—407)

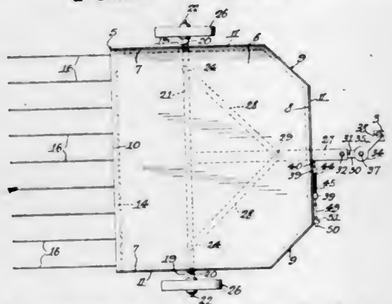
1. A method of treating tung oil, which comprises heat-treating the oil in the presence of a chemical of the group consisting of sulfur, sulfides, selenium and selenides, which both retards the heat gelation of tung oil and its drying, to a point where the tung oil yields a smooth, glossy film, thereafter mixing the oil with a solvent which is miscible with the body of oil when hot, but immiscible when cold, and which carries with it on separating from the body of the oil the chemical together with only a minor portion of the oil, and separating the body of the oil from the solvent, whereby a smooth glossy rapid drying treated tung is obtained.

2,152,643
VACUUM SEALED CONTAINER
James E. Harwood, Jr., Memphis, Tenn.
Application January 11, 1937, Serial No. 119,904
2 Claims. (Cl. 220—24)



1. A container adapted to be vacuum sealed at both ends, including a barrel open at both ends and having an interior ledge adjacent one end, a non-sealing content support, seated on said ledge, and a pair of covers independent of said support adapted to be seated on and sealed solely by vacuum to the opposite ends of said barrel, one of said covers being peripherally flanged to provide an edge portion adapted to be frictionally engaged with the end of the said barrel, opposite said support-closed end, whereby said cover may be used as a frictionally retained closure after said vacuum is broken.

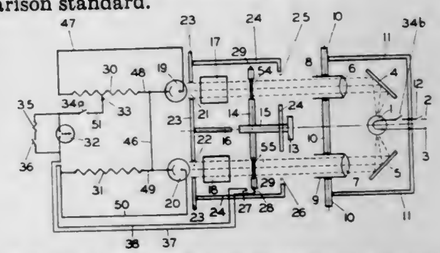
2,152,644
STRAW BUNCHER
Homer E. Hiser, Decatur, Ill.
Application August 31, 1937, Serial No. 161,844
1 Claim. (Cl. 298—5)



In a buncher of the class described, an axle structure, ground wheels carried by the axle structure, a body including a bottom, means for mounting the body on the axle structure for vertical tilting movement, in such position that the body, when empty, will tilt downwardly and forwardly to a substantially-horizontal load-carrying position, releasable means under the control of an operator for holding the body in said load-carrying position, rearwardly extended fingers attached to the rear end of the body and inclined upwardly at an obtuse angle to the bottom, the fingers constituting means for advancing a load on the body and accumulating a load on the body when the releasable mechanism holds the body in said load-carrying position, and means for holding the releasable mechanism disengaged from the body, to effect an automatic dumping when a load accumulates to the rear of the body, on the fingers, the angle between the fingers and the bottom being such that when the body tilts downwardly and backwardly, the fingers will be parallel to the surface of the soil and in contact therewith, whereby the soil will wipe the load from the fingers, throughout their length, when the buncher is advanced.

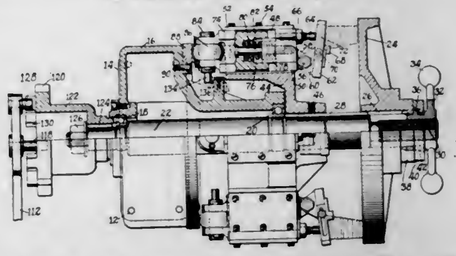
2,152,645
PHOTOELECTRIC COLOR MEASURING AND ANALYZING APPARATUS
Alfred L. Holven and Thomas R. Gillett, Crockett, Calif.
Application December 19, 1934, Serial No. 758,342
8 Claims. (Cl. 88—14)

3. A photo-electric color measuring device comprising, a single source of illumination equipped with means for projecting two separate beams of light, lenses movably mounted along the axes of said beams for proportioning the relative intensities of said light beams, a photo-generative cell positioned in the path of each of said light beams, each cell being shunted by a fixed resistance, said resistances being substantially equal, means for holding a test sample in the path of one of said light beams and a comparison standard in the path of the other of said light beams, a spectral filter placed in the paths of said light beams having such characteristics as to modify the response of said cells to that of the human eye, and means for determining the potential drop across one of said shunts in terms of the potential drop across the other of said shunts thereby obtaining a direct measure of the percentage light transmission of the test sample with respect to that of the comparison standard.



7. In a photo-electric color analyzer, means of modifying separate light beams to cause to be projected onto two photo-generative cells a succession of wave length bands throughout the spectrum, said means comprising, duplicate series of monochromatic color filters disposed on a supporting member in such a manner that two light beams are transmitted through filters of identical characteristics, a pivotal arrangement by means of which said filter supporting member may be rotated in a plane perpendicular to the direction of illumination, a series of cams radially disposed on said filter supporting member, an electrical contacting switch in a circuit essential to the operation of the color analyzer, said electrical contacting switch and cams and monochromatic filters being so disposed with respect to each other that said contacting switch is automatically open circuited whenever a pair of color filters are not perfectly aligned with respect to the beams which they transmit.

2,152,646
HEEL PRESS AND METHOD OF PRESSING HEELS
William Hubbard, Dolgeville, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 28, 1937, Serial No. 122,811
11 Claims. (Cl. 12—48)

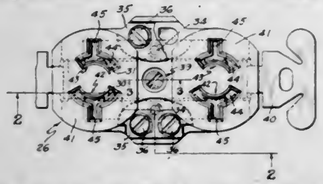


1. In a heel press, the combination of a heel pressing device and operating means for causing said device to apply uninterrupted, progressively increasing pressure to a heel throughout a considerable period of time.

2,152,647
ELECTRICAL RECEPTACLE
Harvey Hubbell, Jr., Bridgeport, Conn.
Application January 30, 1936, Serial No. 61,501
2 Claims. (Cl. 173—330)

1. An electrical receptacle comprising an insulating body, contacts within the body, said body having a pair of spaced entrance slots for contact blades leading to the contacts, said slots each comprising a crooked portion and a lateral

portion entering said crooked portion and both portions being formed by parallel side walls, and said contacts comprising portions constructed and arranged to coact with aligned contact blades inserted through the said lateral portions of the slots and also laterally yieldable curved portions to coact with any one of parallel, curved and angular attachment cap contact blades inserted through the crooked portions of the slots, said curved portions of the contacts being provided



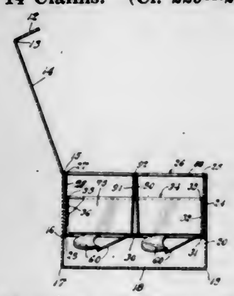
with lugs having inclined sides and a shoulder to engage a side of an opening in the blade contacts to lock the blades against casual separation from the contacts, and said crooked portions of the slots being of sufficient length to permit sliding movement of the blades on the contacts on relative turning movement of the cap and receptacle and by camming action on the sides of the lugs to remove said shoulders from the blades to unlock them.

2,152,648
PLANT CONTAINER COVERING
W. Bartlett Jones, Chicago, Ill.
Application February 13, 1936, Serial No. 63,716
6 Claims. (Cl. 47—34)



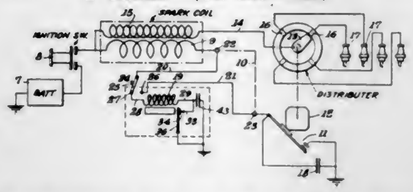
1. A sheet of material adapted for forming a cover or jacket for various sizes of plant containers comprising a form of sheet material which is relatively impervious to moisture, and which has two edges forming an acute angle, said sheet when wrapped about a plant container having one of said edges snugly encircling the top edge of the container, and the other of said edges spiralling about the container.

2,152,649
CELLULAR CARTON AND STRUCTURE THEREFOR
W. Bartlett Jones, Chicago, Ill., assignor, by mesne assignments, to Consolidated Carton Inc., Chicago, Ill., a corporation of Illinois
Application September 28, 1936, Serial No. 102,949
14 Claims. (Cl. 229—29)



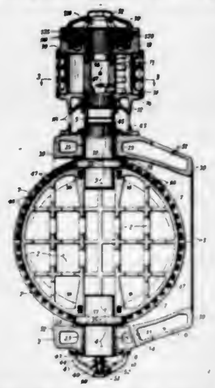
3. A cell-forming structure comprising two superposed spanning panels each cut to provide one or more attached flaps cut from an area between the ends of the spanning panel and carried by the panel by a hinging connection, each flap being foldable into position angular to the panel providing the flap, a folded flap from one panel crossing a folded flap from the other panel, thus defining cells.

2,152,650
EMERGENCY IGNITION UNIT
Lawrence Kilborn, Bronx, N. Y., assignor to Angelo Sellaro, New York, N. Y.
Application June 13, 1936, Serial No. 85,002
1 Claim. (Cl. 123—148)



An emergency unit for maintaining a conventional battery distributor ignition system in operation, upon failure of the breaker mechanism of that system and comprising a magnetic circuit interrupter, means for connecting the same with the primary winding of the conventional spark coil independently of the conventional breaker circuit in such system and a distributor arm to be substituted in place of the distributor arm of the conventional system, said substitute arm being of angularly spark-retarded form and having a terminal end of reduced extent as compared with the conventional distributor arm.

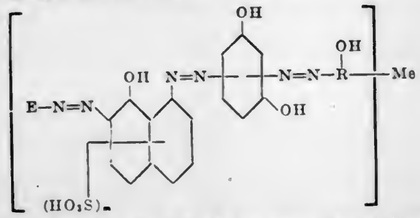
2,152,651
HYDRAULIC ROTOR OPERATED BUTTERFLY VALVE
Phillip A. Kinzie, John L. Savage, and Merle E. Nantz, Denver, Colo., assignors to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application June 13, 1935, Serial No. 26,386
4 Claims. (Cl. 137—139)



1. In combination, a valve element and an actuating rotor therefor, a separate casing for each and with rigid connection between the casings, hollow coupling means between the valve element and rotor and a diaphragm within the coupling means providing a fluid-tight division between the element and rotor.

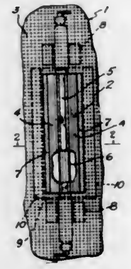
2,152,652
METALLIFEROUS AZO DYES
Werner Lange, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1937, Serial No. 150,325. In Germany July 2, 1936
10 Claims. (Cl. 260—145)

1. The metalliferous azo dyes which correspond to the general formula



wherein R is a radicle of the group consisting of radicles of the benzene and naphthalene series, in which the OH group is in ortho-position to the azo bridge, E is a radicle of the group consisting of radicles of the benzene and naphthalene series, and M is one of the integers 1 and 2, Me means a heavy metal of the group consisting of chromium, copper, manganese, iron, nickel, cobalt and aluminum, said dyes dyeing chrome leather and vegetable tanned leather beautiful red-brown to dark-brown level tints of good fastness to acids, alkalies and light.

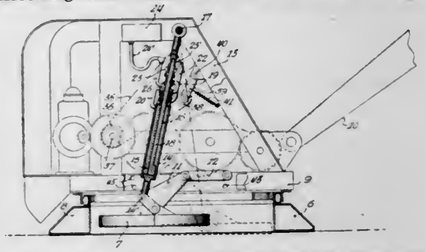
2,152,653
LUMINOUS TUBE SIGN
Irving V. Mansell, Bridgeport, Conn.
Application January 11, 1938, Serial No. 184,443
20 Claims. (Cl. 40—133)



1. An electric sign comprising a glass plate having thereon a translucent character stroke contrasting with a background for daylight visibility, an elongated tubular lamp immediately back of the character stroke and in alignment with the center thereof, and reflecting means at the rear of and adjacent the lamp to reflect and deflect light coming from the rear of the lamp into the translucent character stroke.

2,152,654
TRACTION MECHANISM
Glenway Maxon, Jr., Milwaukee, Wis.
Application November 22, 1937, Serial No. 175,803
13 Claims. (Cl. 180—8)

1. Apparatus of the type described comprising a hollow main frame determining substantially the outside dimensions of the propelling mechanism of the apparatus, a foot member working within the hollow of said main frame, each of said parts adapted to carry the other, and means connecting said frame and foot member for alternately raising said parts during translatory movement thereof in one direction.



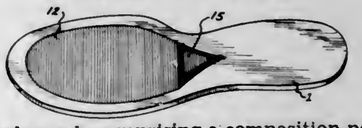
2,152,655
SPARK PLUG INSULATOR
Taine G. McDougal, Albra H. Fessler, and Helen Blair Barlett, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application November 16, 1935, Serial No. 50,243
2 Claims. (Cl. 106—12)

1. A spark plug insulator made of recrystallized coroundum and cerium oxide.

2,152,656
INSULATOR FOR SPARK PLUGS
Taine G. McDougal, Albra H. Fessler, and Karl Schwartzwalder, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich, a corporation of Delaware
No Drawing. Application March 31, 1937, Serial No. 134,125
8 Claims. (Cl. 106—12)

1. A spark plug insulator made by recrystallizing into a dense, non-porous structure aluminum oxide together with .5% or more of an inorganic compound of the group comprising manganese oxide, nickel oxide and cobalt oxide.

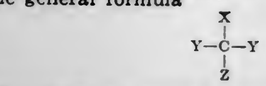
2,152,657
SOLE FOR SHOES
Leon F. Montgomery, Portland, Ind., assignor of one-half to Horace C. Mayers, Rocky River, Ohio
Application April 22, 1935, Serial No. 17,603
3 Claims. (Cl. 36—76)



1. A shoe sole comprising a composition portion and a reinforced tread portion, said reinforced tread portion having layers of fabric embedded therein and extending transversely of the sole with their upper edges forwardly of the lower edges in the sole, whereby said layers slant rearwardly, said reinforced tread portion terminating toward the shank of the shoe in a medially disposed tapered end, thereby avoiding a line of juncture transversely of the sole between the reinforced tread portion and the composition portion, said tapered end portion of the reinforced tread being elevated in forming the sole, higher than the balance of the toe and shank portions, thereby forming an outside shank support.

2,152,658
METHOD OF INHIBITING THE ALKALINE CORROSION OF TIN CONTAINERS
Anthony C. Nitti, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application December 9, 1936, Serial No. 114,951
8 Claims. (Cl. 167—85)

2. A package comprising a tin container having therein an alkaline preparation into which there has been incorporated a compound having the general formula

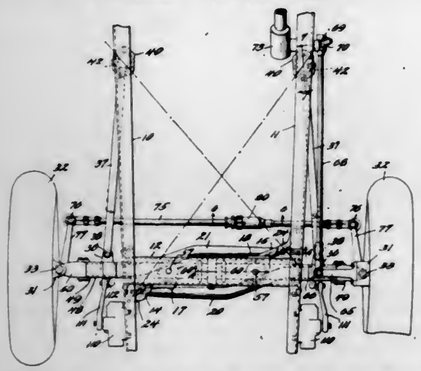


wherein X represents halogen, Y represents one of the group hydrogen and halogen, and Z represents one of the group hydrogen, halogen, and methyl, in amount sufficient to inhibit the alkaline corrosion of the tin container.

2,152,659
METHOD OF INHIBITING THE ALKALINE CORROSION OF TIN CONTAINERS
Anthony C. Nitti, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application December 9, 1936, Serial No. 114,952
7 Claims. (Cl. 167—85)

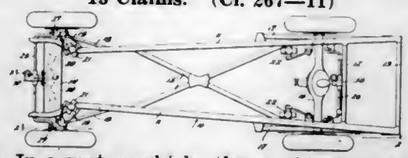
2. A package comprising a tin container having therein an alkaline preparation into which there has been incorporated an iodide of an element selected from the group consisting of the alkali metals and the alkaline-earth metals, in amount sufficient to inhibit the alkaline corrosion of the tin container.

2,152,660
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 22, 1933, Serial No. 699,278
8 Claims. (Cl. 280—95)



1. In a motor vehicle, the combination with a vehicle frame, of a pair of steerable road wheels disposed at opposite sides of and adjacent one end of the frame, means supporting said wheels for independent substantially vertical movement in arcuate paths about separate axes, a steering drag link operatively connected at one end with one of said wheels, and means pivotally connected with said drag link adjacent the opposite end thereof for operating the same, the pivotal connection between said last named means and said link lying substantially in the axis of movement of the associated wheel.

2,152,661
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 2, 1936, Serial No. 113,884
13 Claims. (Cl. 267—11)

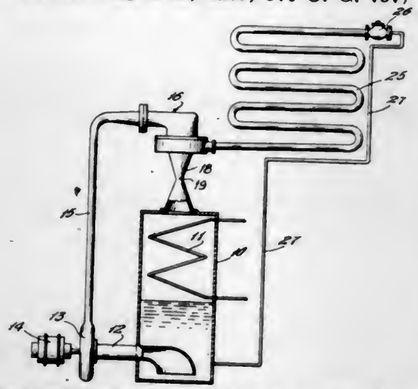


1. In a motor vehicle, the combination with a vehicle frame, of oppositely disposed road wheels associated with said frame, means yieldingly supporting said frame on said road wheels for rising and falling movement with respect thereto, means resisting rapid relative movements of said frame and road wheels irrespective of absolute vertical movement of said frame, and means responsive to absolute vertical movement of said frame and acting between said road wheels and frame to resist rapid relative movement thereof.

2,152,662
METHOD FOR PREPARING RIBOSE
Francis P. Phelps, Washington, D. C., assignor to the Government of The United States, represented by the Secretary of Commerce
No Drawing. Application December 31, 1937, Serial No. 182,923
14 Claims. (Cl. 260—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

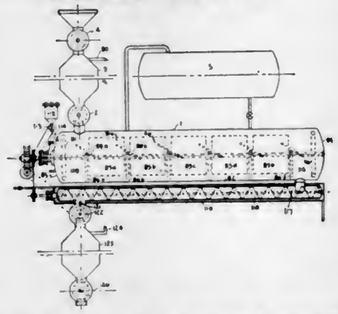
1. A step in the method of preparing ribose which consists in treating nucleic acid with an alkaline earth base capable of forming an insoluble compound with phosphoric acid.

2,152,663
REFRIGERATING APPARATUS
Bo Folke Randel, San Diego, Calif.
Application January 27, 1936, Serial No. 60,966
1 Claim. (Cl. 62—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



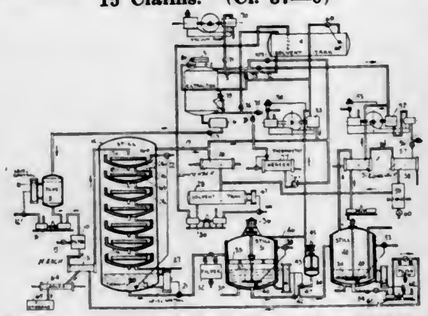
In a refrigerating apparatus a receiver for containing a supply of liquid refrigerant; a Venturi tube communicating with said receiver above the liquid level of the refrigerant therein; an atomizer injector communicating with said Venturi tube; a refrigerating coil communicating at one end with said receiver below the liquid level of said refrigerant and at its other end with said Venturi tube; and a pump for withdrawing a portion of said refrigerant from said receiver and delivering it under pressure to said atomizer-injector and thence in a fine spray to said Venturi tube and into the upper portion of said receiver, thus reducing the pressure in said refrigerating coil so as to cause another portion of said refrigerant to be withdrawn from said receiver, circulated through said coil, entrained and commingled with said spray and delivered back to said receiver in an atomized condition.

2,152,664
OIL TREATING PROCESS
Henry Rosenthal, New York, N. Y.
Application August 4, 1934, Serial No. 738,399
8 Claims. (Cl. 87—6)



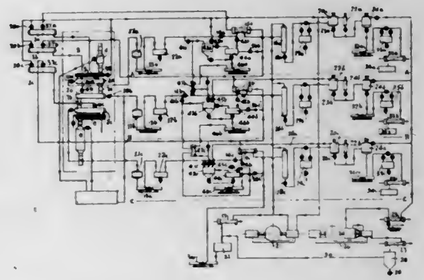
1. In a system of continuous extraction, a closed extractor having a plurality of substantially horizontal perforated cylindrical compartments, an adjustable deflector positioned between adjacent compartments, each compartment being provided with a series of blades attached to the inner circumference of said cylinder, said blades being adapted to raise solid material lying within said cylindrical compartment to propel said solid material longitudinally of said compartment, and finally to raise said solid material and discharge same to said adjustable deflector from which said solid material is discharged to an adjacent cylindrical compartment, and means on the exterior of said closed extractor for controlling said adjustable deflector within said extractor.

2,152,665
OIL EXTRACTION
Henry Rosenthal, New York, N. Y.
Application August 4, 1934, Serial No. 738,400
15 Claims. (Cl. 87—6)



6. In a process of extraction of glyceride oils, the steps of contacting a material to be extracted with a liquid solvent, withdrawing the solution from the extracted residue, filtering the solution, removing a substantial amount of solvent from the solution by the application of heat, and refiltering the resulting liquid while it is still hot from the solvent removal step, and then removing a further amount of solvent.

2,152,666
SEPARATION OF OILS
Henry Rosenthal, New York, N. Y.
Application August 4, 1934, Serial No. 738,401
19 Claims. (Cl. 87—6)

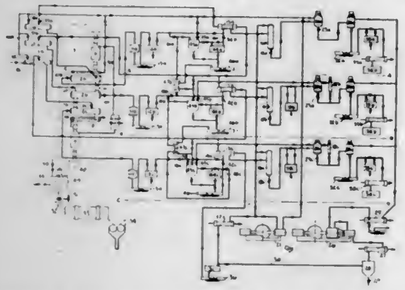


1. The method of separating fatty oils into fractions of different melting points which comprises subjecting oleaginous materials to a solvent while maintaining temperatures such that the higher melting point components remain largely unextracted, withdrawing the solution, then subjecting the oleaginous materials to a solvent while maintaining temperatures such that the higher melting point components are largely extracted, withdrawing the solution, maintaining the first mentioned solution under conditions that higher melting point components are largely precipitated therefrom, separating the solution from the precipitate, simultaneously separately maintaining the solution from the second mentioned extraction under conditions that the lower melting point components remain in solution while the higher melting point components are largely precipitated, separating the solution from the precipitate, substantially continuously adding the precipitate from the first mentioned precipitation to the solution from the second mentioned extraction, substantially continuously adding the solution from the second mentioned precipitation to the solution from the first mentioned extraction, withdrawing solution from the first mentioned precipitation and precipitate from the second mentioned precipitation, and eliminating solvent from the solution from the first mentioned precipitation and from the precipitate from the second mentioned precipitation.

2,152,667
METHOD FOR EXTRACTING ANIMAL OILS
Henry Rosenthal, New York, N. Y.
Application August 4, 1934, Serial No. 738,403
12 Claims. (Cl. 87—6)

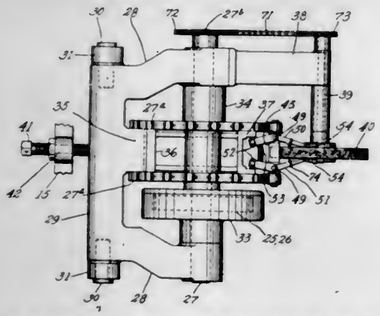
2. The method of extracting oleaginous, partially dehydrated animal scraps which comprises comminuting said scraps by crimping and rolling, then subjecting the comminuted scraps to a hydrocarbon solvent gaseous at ordinary temperature and pressure, maintaining the solvent in the

liquid phase while in contact with the material to be extracted, withdrawing the solution, and



vaporizing the solvent to separate it from the extract.

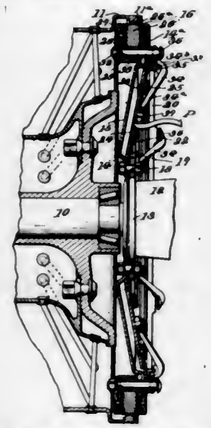
2,152,668
TOBACCO STEMMING MACHINE CONSTRUCTION
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application October 5, 1935, Serial No. 43,662
12 Claims. (Cl. 131—57)



1. In a tobacco stemming machine, the combination with a driving sprocket, of an endless conveyor chain trained over said sprocket, a support for said sprocket, means for adjusting said support with a translatory movement, in substantial alignment with the major axis of said chain, and gearing for driving said sprocket in every adjusted position thereof.

2,152,669
FLUID PRESSURE CONTROLLED BRAKE DEVICE
Frederick L. Shelor, Jr., Sandston, Va., assignor to Innovation Brakes, Inc., Richmond, Va., a corporation of Virginia
Application May 4, 1936, Serial No. 77,840
9 Claims. (Cl. 188—72)

1. In a braking mechanism the combination of a rotatable member, a braking member connected to said rotatable member for rotation therewith, a plurality of non-rotating discs, brake shoes associated with said discs and disposed on opposite sides of said braking member, flexible means connecting said discs and forming therebetween a chamber adapted to be placed under vacuum and permitting relative axial movement of said discs, a plurality of radially disposed levers spaced from each other, means for connecting the outer ends of said levers to one of said brake shoes and means for connecting the inner ends of said levers to one of said discs whereby axial movement of said discs will operate through said

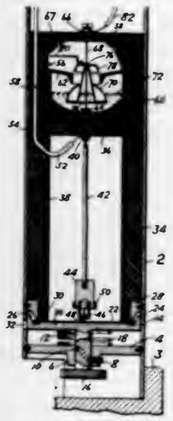


levers for causing the brake shoe to engage the braking member.

2,152,670
PLASTERLIKE PRODUCTS
Richard Stanley Shutt, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1937, Serial No. 164,066
12 Claims. (Cl. 106—34)

1. As a new composition of matter, a plaster comprising an inorganic cementitious material and the primary, monomeric reaction product of an aldehyde and a urea.

2,152,671
WELL SURVEYING INSTRUMENT
George A. Smith, Philadelphia, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application October 26, 1935, Serial No. 46,865
13 Claims. (Cl. 33—205.5)



1. A well surveying device comprising a casing adapted to enter a bore hole, means for supporting therein a record member capable of being marked by an electric current, a compass having a conducting portion movable in said casing relative to the record member, a cage of elongated

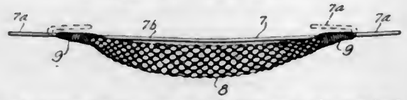
conducting elements surrounding said conducting portion of the compass and adjacent which said conducting portion moves, said elongated conducting elements terminating adjacent said record member, and means for producing an electric current through the conducting portion of the compass and one of said conducting elements adjacent thereto, to mark said record member to record the position of the compass relative to said member.

2,152,672
HAIR CURLER
Nathan Lewis Solomon, Brooklyn, N. Y.
Application December 21, 1936, Serial No. 117,072
5 Claims. (Cl. 132—41)



1. In combination, a guard having a swingable portion normally disposed substantially in alinement with the body of said guard and adapted to be swung out of alinement therewith to form an opening to permit threading of a tress of hair therethrough to permit said tress to overhang an outside face of said guard, means for rolling said tress to provide a plurality of convolutions externally thereof, and exothermically operating means carried by said rolling means for subjecting said convolutions to steam and heat.

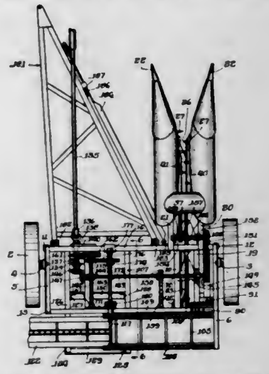
2,152,673
HAIR ROLLER
Nathan L. Solomon, Brooklyn, N. Y.
Application July 21, 1937, Serial No. 154,716
2 Claims. (Cl. 132—38)



1. A hair curler comprising an elongated pliable and deformable body, and a hollow, flexible, foraminous body having tapered terminals, means securing said terminals to spaced portions of said deformable body to normally hold a central part of said foraminous body away from a central part of said deformable body to define an elongated gap to permit the insertion of hair therein, said central portions constituting means for rolling said hair thereabout, said deformable body comprising ends extending laterally of said foraminous body and constituting means for holding the hair wound about said deformable body and said foraminous body thereagainst.

2,152,674
MECHANICAL MOVEMENT AND CROP HARVESTER
William E. Urschel, Valparaiso, Ind.
Application December 30, 1935, Serial No. 56,747
Renewed December 8, 1937
24 Claims. (Cl. 56—103)

1. Crop treating apparatus comprising an elongated roll rotatable about its own axis and opposed rotatable heads disposed in axially offset relationship, a plurality of elongated bars having their opposite ends connected to one of each of the opposed heads, the points of connection being disposed concentrically about the axes of rotation of the heads, said elongated bars each having a roughened surface and extending in parallel relation between said heads and parallel to the roll, and means for rotating at least one of said heads to cause said bars to travel in spaced relation in the same circular path toward and from said rotatable roll.



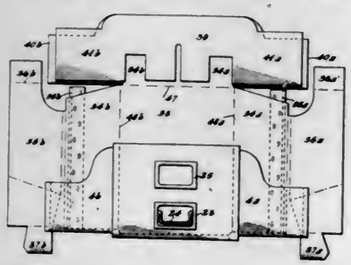
2,152,675
ENGINE STARTING MECHANISM
Charles Raymond Waseige, Rueil, France, assignor to Societe Air Equipment Billancourt, Seine, France, a French company
Application June 29, 1935, Serial No. 29,162
In France July 24, 1934
2 Claims. (Cl. 123—179)

1. A starting mechanism for aircraft engines, comprising a flywheel, a driving motor, means including a clutch for drivably connecting said motor to said flywheel, an engine engaging member, means including a gear train for drivably connecting the flywheel to the engine engaging member, and means controlling the operation of said clutch, said controlling means including a clutch shifting member engageable with said clutch, means for yieldably opposing movement of said clutch shifting member, and means shiftable with said engine engaging member for withdrawing said opposing means from the opposing position.

2,152,676
DRAWER
Philip Zalkind, New York, N. Y.
Application October 19, 1935, Serial No. 45,711
11 Claims. (Cl. 229—23)

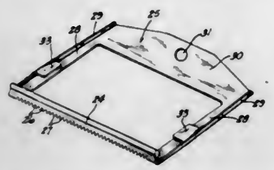
1. In a collapsible container, a first blank of sheet material scored to be folded into body walls for said container, including a bottom wall provided with an integral tab at its front end; a front

wall panel comprising a second blank of sheet material and a blank of sheet metal, said blank of sheet metal having a flanged extension on its top and sides encompassing and clinching said second blank of sheet material, whereby said second blank of sheet material and said blank of sheet metal are firmly secured to each other substantially continuously along their side and top edges; and metallic means extending substantially along the entire length of the bottom of said front wall



panel and clinched over said integral tab at the front end of the bottom wall of said first blank of sheet material, whereby said second blank of sheet material and said blank of sheet metal are firmly secured to each other substantially continuously along their bottom edge, and whereby said front panel and said first blank of sheet material are firmly secured to each other substantially continuously along the bottom edge of said front panel and along the front edge of the bottom wall of said first blank.

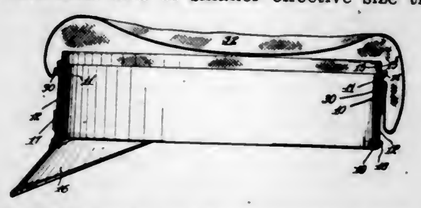
2,152,677
SHAVING DEVICE
Mathew Andis and Matthew G. Andis, Jr., Racine, Wis.
Application February 6, 1937, Serial No. 124,417
5 Claims. (Cl. 30—43)



1. In a shaving device, a shaving head having a top face engaging member provided with a thin free slotted edge, a reciprocable cutter having teeth movable below said free slotted edge of the face engaging member, an open frame having one side slotted to form a comb member, and means for securing said frame adjacent the face engaging member in substantially the plane thereof whereby the side forming the comb is supported adjacent the free slotted edge of the face engaging member to straighten out and guide hair thereto.

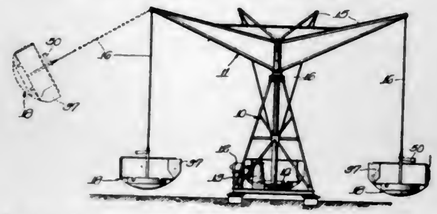
2,152,678
HOLDING DEVICE FOR CAP COVERS OR TOPS
Ulrich E. Biaesch, Philadelphia, Pa.
Application November 23, 1937, Serial No. 176,090
4 Claims. (Cl. 2—195)

1. In a cap having the usual sweatband, an outer flexible facing band and a resilient metal ring mounted directly upon the facing band near the upper end of the band, whereby a removable cover having an inner welt edge substantially in extensible and of smaller effective size than



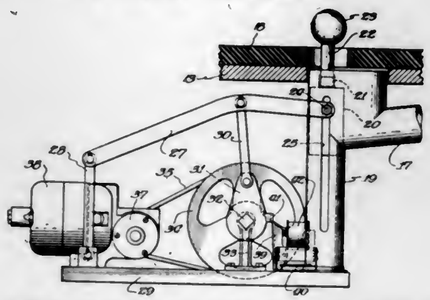
that of the metal ring can be connected with the outer facing band.

2,152,679
AMUSEMENT DEVICE
Alvin Bisch, Chicago, Ill.
Application April 2, 1936, Serial No. 72,241
25 Claims. (Cl. 272—40)



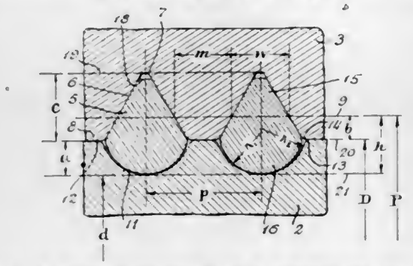
3. An amusement device comprising a passenger carrying body suspended from a cable, means for revolving said body about a fixed axis, and wind actuated means for oscillating said body about its own axis.

2,152,680
MECHANICAL TEEING APPARATUS
John F. Biaski, Chicago, Ill.
Application November 20, 1937, Serial No. 175,584
5 Claims. (Cl. 273—33)



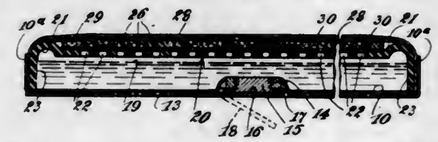
1. In an apparatus of the class described, the combination of a recessed member adapted to support a golf ball thereon, a revolvable element operatively connected with said recessed member and adapted to successively raise and lower it, stop means effective when thrown into operation for stopping said revolvable element and as a consequence said recessed member substantially at predetermined critical positions of said element and member, a motor, connecting means between said motor and said revolvable element including yielding means adapted to permit continued rotation of the motor upon stoppage of the revolvable element by said stop means, and means for throwing said motor and said stop means into and out of operation.

2,152,681
SCREW CONNECTION
Harold Caminez, Kew Gardens, N. Y., assignor to Aircraft Screw Products Company, Inc., New York, N. Y., a corporation of New York
Application December 20, 1938, Serial No. 246,814
10 Claims. (Cl. 85—46)



6. A screw connection of a sparkplug including a sparkplug body with an engine cylinder of aluminum or magnesium alloy, comprising in a hole of said cylinder a female thread of V-shaped cross-section of the thread grooves, with first lands between the individual thread groove convolutions, another thread of a pitch equal to that of the female thread on the sparkplug body, said other thread including a groove of approximately segment-shaped cross-section and second lands between the individual convolutions of said other thread groove, a wire coil, the cross-section of the coil wire constituting approximately a truncated triangle with sides converging at an angle equal to that of said V-shaped groove cross-section on a segment-shaped base the radius of which is smaller than that of the segment-shape of said other thread groove, the wire being initially coiled with an external diameter slightly greater than the corresponding diameter of the thread of the female member, the innermost diameter of said wire coil when inserted into said female thread fitting closely the root diameter of the thread on the sparkplug body, and the inner diameter of the lands of the female thread fitting closely the outer diameter of the lands of the thread on the sparkplug body.

2,152,682
INK PAD
Bernard Dwofsky, New York, N. Y.
Application July 3, 1937, Serial No. 151,785
7 Claims. (Cl. 91—54.5)

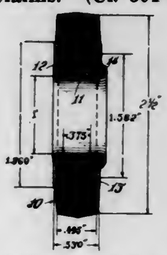


6. An inking pad comprising a casing adapted to receive a quantity of ink, a member having a portion with a pluralty of openings and a marginal portion of curved shape circumferentially disposed around the openings and a flange around the outer margin of said member, the curved portion extending above the portion having the openings, an inking surface upon said member, said curved portion of said member having an inherent resiliency such as to return the member to its initial position when displaced, and said member, upon the application of pressure to the surface of the pad, serving to receive ink in its openings for conveyance to the inking surface.

2,152,683
PROCESS FOR MANUFACTURING LUBRICANTS
Egon Eichwald, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 13, 1936, Serial No. 74,147. In the Netherlands April 27, 1935
8 Claims. (Cl. 87—9)

1. A lubricant comprising a predominant quantity of a mineral lubricating oil and a relatively small amount of a condensation product of an aliphatic polycarboxylic acid and a polyhydroxy alcohol, said condensation product having a molecular weight over 1200 and containing less than 27% oxygen, said amount being sufficient to raise the viscosity index of the lubricating oil.

2,152,684
WHEEL
Edward A. Grange, Alexander F. Kaptuller, and Erwin J. Schmidt, Chicago, Ill., assignors to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application November 23, 1935, Serial No. 51,318
6 Claims. (Cl. 301—5.3)



1. A wheel for roller skates and the like comprising in combination a supporting member, flanges secured at opposite ends of said supporting member and extending outwardly therefrom, the inner portions of said flanges being outwardly convergent and the outer portions thereof being outwardly divergent, and a tread member of soft rubber-like material having a solid continuous body throughout mounted on said supporting member between said flanges and held by said flanges in substantially compressed condition axially thereby being materially changed in shape from its original shape.

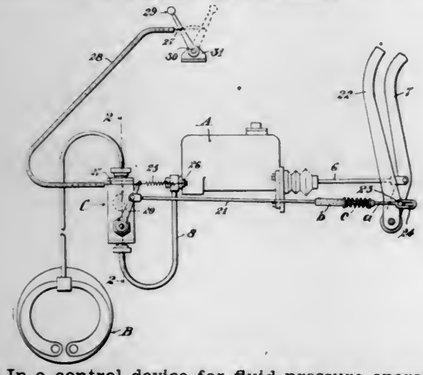
2,152,685
WHEEL
Edward A. Grange and Erwin J. Schmidt, Chicago, Ill., assignors to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application December 13, 1935, Serial No. 54,209
8 Claims. (Cl. 301—5.7)



1. In a wheel for roller skates and the like, the combination of a sleeve formed of sheet metal and split obliquely with respect to its axis from end to end, a tread of soft rubber-like material on said sleeve, and flanges on the opposite ends of said sleeve at the opposite sides of said tread

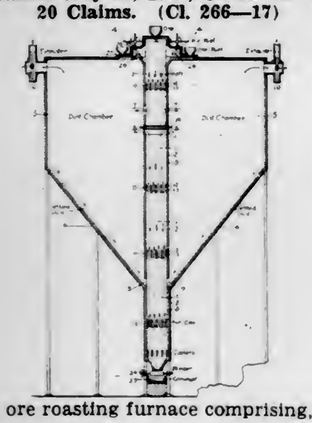
member serving to hold said tread member in substantially compressed condition axially and secured in position on the sleeve by shoulder means on the sleeve engaging outer portions of the flanges.

2,152,686
BRAKE CONTROL DEVICE
Mark S. Graves, Los Angeles, Calif.
Application November 3, 1937, Serial No. 172,562
1 Claim. (Cl. 192—13)



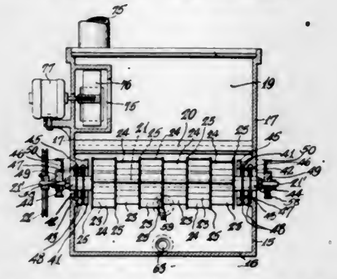
In a control device for fluid pressure operated brake systems including a conduit for transmission fluid and connecting a source of pressure supply and a brake operating mechanism, an upstanding valve housing in said conduit having a vertically extending passage leading therethrough, an upwardly opening valve in said housing normally closing said passage under the influence of gravity, a rock shaft extending into said housing beneath said valve, a finger on said rock shaft engageable with said valve for holding the latter in its open position, an arm on said rock shaft, a clutch operating lever, connections between said lever and said arm arranged to actuate said rock shaft to move said finger out of engagement with said valve on depression of the lever, and spring means connected to said arm yieldably maintaining said rock shaft disposed with the finger thereon in the valve opening position.

2,152,687
ORE ROASTING FURNACE
William E. Greenawalt, Denver, Colo.
Application July 21, 1937, Serial No. 154,816
20 Claims. (Cl. 266—17)



1. An ore roasting furnace comprising, a shaft, a stationary hollow beam divided by an internal partition into upper and lower sections within the shaft, means for passing gaseous fluid through the upper section of the hollow beam, means for passing the gaseous fluid issuing from the upper section into the lower section and from there into the shaft, and means for passing the ore through the shaft.

2,152,688
ETCHING MACHINE
William Guenst, Philadelphia, Pa.
Application May 27, 1935, Serial No. 23,598
7 Claims. (Cl. 299—63)



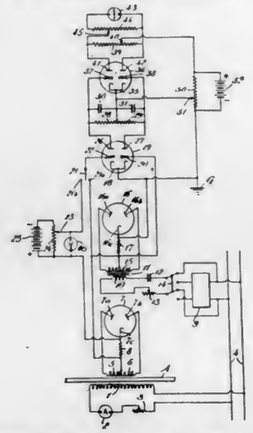
6. In an etching machine paddle, a shaft, three paddle discs surrounding the shaft, each of the discs having longitudinally extending apertures laterally offset from the shaft and for removable driving connection with paddle blades and the middle disc having two sets of such apertures for connection at different points with blades, some at one end longitudinally of the shaft and some at the other end longitudinally of the shaft in order to form two complete paddles, paddle blades for the two paddles, the blades of one paddle connecting removably with one outer disc and with the middle disc in apertures of one set and the blades of the other paddle connecting removably with the other after disc and removably with the middle disc in the other set of apertures, tongues upon the blades passing removably into the apertures and by which the driving connection is made and clamp end devices upon the shaft whereby the discs are removably compressed upon the intermediate blades normally holding the discs and blades in their assembled position and permitting lateral removal and replacement of any blade during release of the compression and relative spread of the opposing discs at the blade ends.

2,152,689
VIBRATION DEVICE
James Richard Hackman, Wilmington, Del.
Application September 4, 1936, Serial No. 99,381
6 Claims. (Cl. 46—115)



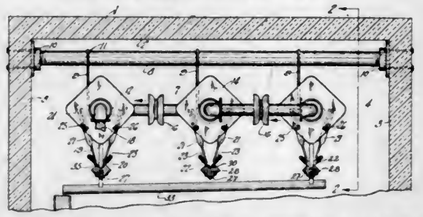
1. As a new article of manufacture, an object adapted to be set upon a flat surface and moved thereon by vibrating said flat surface, which said object has at least one support which is thin and relatively flexible and which said object has at least one other support which is relatively inflexible.

2,152,690
MAGNETIC TESTING
Thomas C. Hana, Flushing, N. Y., assignor to Magnetic Analysis Corporation, a corporation of New York
Application June 17, 1937, Serial No. 148,645
5 Claims. (Cl. 175—183)



1. In a method of magnetic analysis which involves producing an alternating signal voltage in a circuit and influencing said voltage by disposing a magnetizable body to be analyzed in inductive relationship with the circuit, the improvement which comprises rectifying the signal voltage in the circuit, introducing a bias voltage in the circuit sufficient to prevent the flow of current past a point in said circuit, reducing said bias voltage for a brief interval at corresponding instants in successive cycles of the signal voltage to permit a flow of current past said point, and determining the current flow past said point in said circuit when said bias voltage is reduced.

2,152,691
REFRIGERATING APPARATUS
William J. Harbers, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 28, 1936, Serial No. 66,169
3 Claims. (Cl. 62—103)



2. In a device of the class described, the combination of a refrigerating system comprising one or more refrigerating sections, each of said sections comprising one or more refrigerant conducting tubes, and a series of fins secured thereto, a relatively narrow drip gutter disposed beneath each of said sections and extending longitudinally thereof for collecting the moisture dripping therefrom, a second longitudinally extending drip gutter disposed beneath said first mentioned gutter for collecting the moisture dripping from the outer walls of said first mentioned gutter, said second mentioned gutter being narrower than said first mentioned gutter whereby the latter shields the former from the chilled air descending from said sections, and spacing means disposed between said gutters.

2,152,692
CARD RACK
Gerald Page Hereford, Ferguson, Mo.
Application April 6, 1938, Serial No. 200,381
5 Claims. (Cl. 40—124)

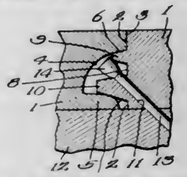


1. A mass-card rack including a standard and a display-head mounted on the standard, the head comprising a pair of spaced members one surrounding the other and both obliquely disposed to the standard and provided with a plurality of parallel pairs of axially aligned slots for edgewise gripping a plurality of cards for ready individual vision.

2,152,693
PRODUCTION OF SULPHUR DYES
Raymond W. Hess, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 21, 1937, Serial No. 164,997
17 Claims. (Cl. 260—134)

1. The process for improving the dyeing properties of a sulphur dye obtainable by heating an indophenol with a polysulphide which comprises subjecting the dye free from oxidizable sulphides and sulphur to an alkaline oxidation treatment.

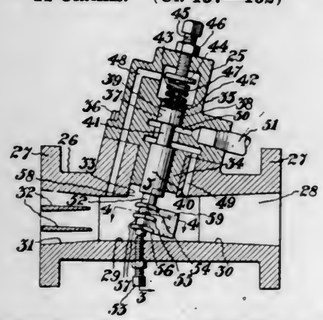
2,152,694
HARDWOOD FLOORING
Charles E. Hoover, Bloomington, Ill., assignor of one-half to Otto P. Tiemann and one-half to Elias W. Rolley, Bloomington, Ill.
Application March 28, 1938, Serial No. 198,439
2 Claims. (Cl. 20—8)



1. A flooring strip provided with two tongues spaced apart from each other and spaced apart from the top and bottom extending beyond the rectangular edge on one side of the strip, and a

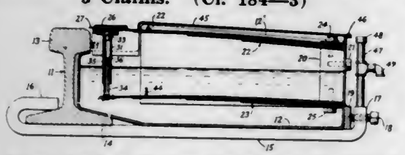
continuous groove, adapted to receive the two tongues on the next adjacent strip, extending into the rectangular edge on the other side of the strip, in which the lower tongue extends beyond the upper tongue to receive the head of a nail between them out of contact with the wall of the groove in the next adjacent strip.

2,152,695
CONTROL MECHANISM
Hanns Hornschuch, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application November 8, 1935, Serial No. 48,808
11 Claims. (Cl. 137—152)



9. A control mechanism, comprising a casing having a main passageway for fluid and a passage, a valve in the casing reciprocable laterally of the passageway to control the passage, and means in the passageway reciprocable with the valve and subjected to the fluid flowing through the passageway for actuating the valve in response to the velocity of such fluid.

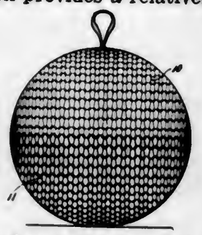
2,152,696
RAILWAY TRACK LUBRICATING DEVICE
William F. Huck, Richmond Hill, N. Y.
Application February 2, 1937, Serial No. 123,567
5 Claims. (Cl. 184—3)



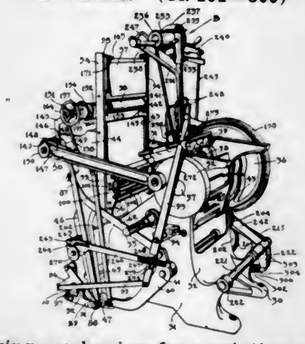
1. In a device of the character described, a lubricant container securable to a rail, a lubricant-distributing nozzle member resiliently connected to said container, and a plunger resiliently connected to the container and adapted to move independently of the nozzle member under certain operating conditions and synchronously with the nozzle member under certain other operating conditions.

2,152,697
SCOURING AND CLEANING IMPLEMENT
Russell B. Kingman, Orange, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application October 22, 1936, Serial No. 106,998
1 Claim. (Cl. 15—209)

An implement for the purposes described comprising, a substantially hemispherical cover section consisting of a plurality of plies of flexible mesh fabric knitted from ribbon-like metallic wire whereby said cover section provides a relatively hard and non-absorbent abrasive area, and a second substantially hemispherical cover section consisting of a plurality of plies of flexible mesh fabric knitted from vegetable yarn whereby said second section provides a relatively soft and absorbent non-abrasive area, said sections being joined to form a substantially spherical unitary cover body, and a fluid absorbent filler mass enclosed within said cover body consisting of a multiplicity of pieces of spongy material.

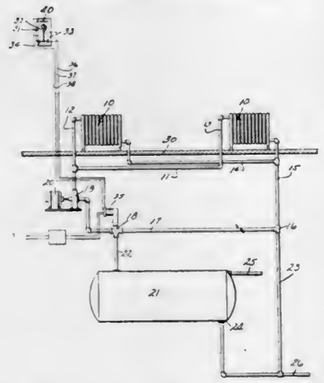


2,152,698
PRINTING PRESS
Abel Kluge and Eneval Kluge, St. Paul, Minn., assignors to Brandtjen & Kluge, Inc., St. Paul, Minn., a corporation of Minnesota
Original application December 30, 1932, Serial No. 649,567. Divided and this application July 23, 1937, Serial No. 155,237
14 Claims. (Cl. 101—300)



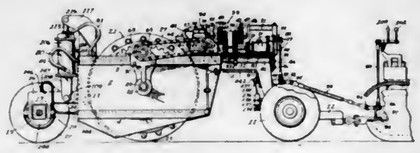
1. Inking mechanism for a printing press having a pivotally supported bed, a platen, a side rod connected with the bed for rocking it toward and from the platen, an eccentric embodied in the connection between said rod and bed, grips for feeding sheets to the platen to be printed, and means actuated through the grips, in the absence of a sheet in their grasp, for turning the eccentric out of impression effecting position and, in the presence of a sheet, for turning said eccentric into impression effecting position, said inking mechanism comprising form rollers, an ink plate, and an oscillatory ink fountain having a feed roll, the fountain being interposed between the ink plate and the position on the bed occupied by a form, means for moving the form rollers back and forth over the ink plate and the form on the bed, and means for advancing the ink fountain to locate the feed roll thereof in position to be engaged by the form rollers in their travel from the form to said plate and for retracting said fountain to withdraw said feed roll into position clear of said form rollers on their return from said plate to said form, and means associated with said side rod and eccentric for rendering said fountain moving means inoperative to advance the fountain, when said eccentric is turned out of impression effecting position.

2,152,699
HEATING OR COOLING SYSTEM
John Kuester and Frank A. Beck, Menasha, Wis.
Application October 8, 1934, Serial No. 747,334
5 Claims. (Cl. 237—2)



5. The combination with a source of fluid at extreme temperature, a radiator and complete circulatory system normally divorced therefrom whereby to provide space heating around the radiator, a valve including means whereby to connect the source to the system at controlled intervals, a thermostat positioned in the space heated by the radiator system provided with electrical connections with an electric heater adjacent the thermostat and provided with connection to the thermostat for the heating thereof when the thermostat is cooled, and means controlled by the thermostat for momentarily opening and closing the valve when the thermostat is cooled.

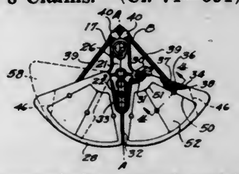
2,152,700
HEAVY DUTY SCRAPER
Charles Le Bleu, Los Angeles, Calif.
Application December 7, 1934, Serial No. 756,492
22 Claims. (Cl. 37—127)



12. A scraper comprising a frame adapted for connection to a tractor, rolling supports for said frame, a rotatable earth carrier having a plurality of compartments disposed around an axis of rotation, each compartment having a loading opening, a peripheral wall extending substantially circumferentially from one side of said opening, a back wall extending from the edge of said peripheral wall in the direction of said axis of rotation and side walls connecting said peripheral and said back walls, and cooperating walls carried by said frame for closing said openings.

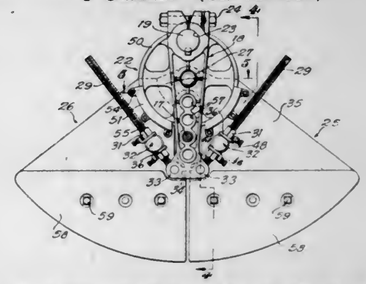
21. In a scraper, a frame, a transverse scraper blade supported in fixed position on said frame, a bowl pivotally supported on said frame in a position behind said scraper blade to receive material scraped up thereby, and means for swinging said bowl relative to said frame and blade to dump the load rearwardly of said blade.

2,152,701
COUNTERBALANCE FOR OIL PUMPING APPARATUS
Warren M. Mansfield, Glendale, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application November 16, 1936, Serial No. 111,010
Renewed November 21, 1938
8 Claims. (Cl. 74—591)



5. In a counterbalance device of the character described, the combination of: a crank arm adapted for use with a rotatable member; a pair of counterweights; pivot means connected to said crank arm intermediate the ends thereof and supporting said counterweights one on each side of said arm so as to swing into different counterbalancing positions relative to said arm; and means for effecting independent adjusting movement of said counterweights about said pivot means and for holding said counterweights during and after adjustment, said adjusting means comprising a rod for each counterweight, two pivotal connections for each of said rods, one of said connections attaching said rod to a counterweight at a point spaced radially from said pivot means, and the other of said connections attaching said rod to said crank arm, one of said connections having means for effecting adjustment of the pivot axis of the connection along said rod to thereby change the effective length of said rod so as to swing the counterweight associated therewith on said pivot means.

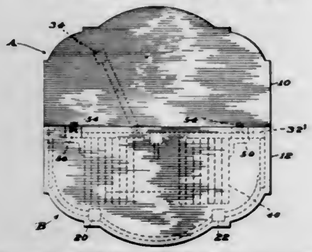
2,152,702
PIVOTED COUNTERBALANCE FOR OIL PUMPING APPARATUS
Warren M. Mansfield, Glendale, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application August 9, 1938, Serial No. 223,825
8 Claims. (Cl. 74—591)



1. In a counterbalance device of the character described, the combination of: a crank arm adapted for use with a rotatable member; a pair of counterweights; a pivot pin passing through the central radial plane of said crank arm intermediate the ends thereof and supporting said counterweights one on each side of said arm so as to swing into different counterbalancing positions relative to said arm; and means for effecting independent adjusting movement of said counterweights about said pivot pin and for holding said counterweights during and after adjust-

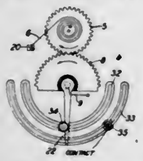
ment, said adjusting means comprising a rod for each counterweight, two pivotal connections for each of said rods, one of said connections attaching said rod to the free end portion of said crank arm and the other of said connections attaching said rod to its associated counterweight at a point radially spaced from said pivot pin, said last named connection including means to cause its pivotal axis to be actuated along said rod whereby to swing said counterweight on said pivot pin.

2,152,703
EXTENSIBLE CONSOLE TABLE
Anthony Marino, Somerville, Mass.
Application March 2, 1938, Serial No. 193,525
4 Claims. (Cl. 311—42)



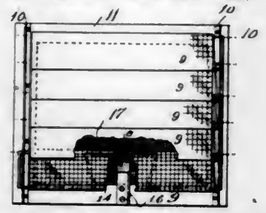
1. A console table of the type described, comprising two independent sections, one of said sections including a table leaf supported in a fixed horizontal position, the other of said sections including a supporting frame and a table leaf hinged to said frame for movement about a horizontal axis from a position folded on top of said fixed leaf 180° to a position abutting and in the plane of the fixed leaf, means associated with said frame for supporting said hinged leaf in said hinged position, and extensible slide means connecting said sections, whereby said sections may be moved to relatively remote positions to permit interposition of an additional leaf intermediate said fixed and said hinged leaves.

2,152,704
ELECTRIC SWITCH
Robert F. Massonneau, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 16, 1935, Serial No. 6,787
1 Claim. (Cl. 200—153)



A retarded circuit closer comprising a rotatable contact arm, a gear connected therewith, a driving means, gearing interposed between said gear and said driving means, a spring connected to said gearing, two arcuate slotted guides associated with said contact arm, a back stop adjustably supported in the slot of one of said guides for determining the normal position of said contact arm whereby said spring is tensioned to partially restrain the rotation of said contact arm, and a contact adjustably supported in the slot of said other guide for engagement by said contact arm when said arm is rotated against the tension of said spring.

2,152,705
ADJUSTABLE BLIND
Harry E. Mortimer, St. Louis, Mo.
Application July 19, 1937, Serial No. 154,440
1 Claim. (Cl. 189—62)



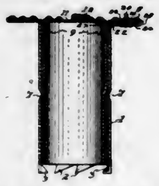
An adjustable blind comprising overlapping pivoted vanes, each consisting of a wire frame in one piece bent into a rectangle having opposite alined horizontal side portions having comparatively small alternating spaces, and connected by ends forming journals on both sides of the frame at the ends and by intermediate slanting transverse frame portions allowing compression of said sides and outward reaction, and a flexible covering looped over said side portions and tensioned along both side edges by said reaction, means to support pivotally alternate journals of the frame, and means to connect the other journals to operate the vanes in unison, substantially as described.

2,152,706
SHIELDING FOR ELECTRICAL CIRCUITS
Wilbur E. Mougey, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 26, 1937, Serial No. 122,339
11 Claims. (Cl. 179—78)



1. Two adjacent strands of high frequency signaling conductors, continuous shielding means placed close about one of said strands to form a unitary structure therewith and comprising an inner layer of copper of not more than critical thickness and an outer layer of iron, other continuous shielding means entirely surrounding the other of said strands and comprising a layer of copper of critical thickness and contiguous thereto a layer of iron immediately adjacent to the first said layer of iron throughout their common length, the total thickness of said two layers of iron being at least equal to the characteristic thickness.

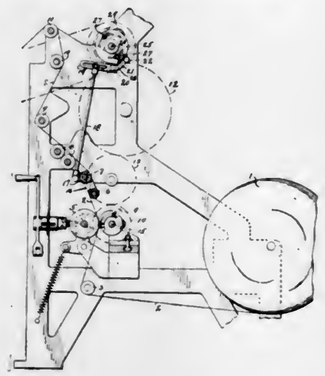
2,152,707
GROUND VASE
John A. Orr, Chicago, Ill.
Application January 13, 1937, Serial No. 120,354
2 Claims. (Cl. 47—41)



1. In a ground vase, a shell, beads in said shell,

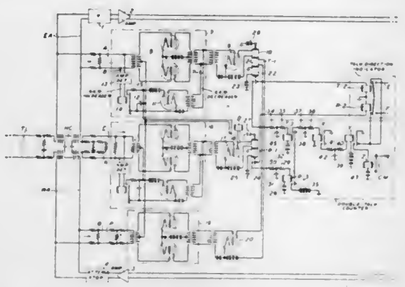
a reversible cup formed with grooves to receive said beads, said cup having a base depression, and a chain-link handle secured in the said vase depression.

2,152,708
APPARATUS FOR FORMING WINDOW OPENINGS IN TRAVELING WEBS
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application December 18, 1936, Serial No. 116,538
6 Claims. (Cl. 164—28)



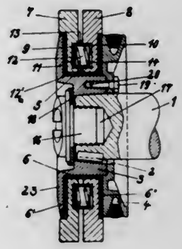
1. In a machine for providing window openings at intervals along the length of an advancing web, the combination of a rotary cutter, a cooperating rotary anvil, a roller engaging the web beyond the cutter and anvil, and means for displacing said roller intermittently, to change the speed of the web to the peripheral speed of said rotary cutter at the ends of the window opening.

2,152,709
INDICATING AND MEASURING CIRCUITS
Lionel Schott, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 30, 1938, Serial No. 205,335
5 Claims. (Cl. 179—175.31)



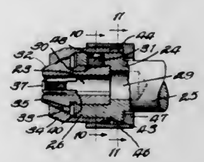
1. In combination with a two-way signaling system comprising at least over a portion of its length oppositely directed one-way paths for repeating signals in opposite directions, means for automatically indicating operating conditions in said system comprising means for effectively balancing the transmissions in the oppositely directed paths at one point in said system against each other, indicating means responsive in one manner to substantially stronger transmission in one of said paths than in the other and responsive in another manner to substantially stronger transmission in said other path than in said one path, and other indicating means operating whenever transmissions of substantially equal strength are simultaneously present in said one and said other path for a given time interval.

2,152,710
MECHANISM FOR ABSORBING TORSIONAL OSCILLATIONS OF SHAFTS
Karl Schwaiger, Gaggenau-Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application April 14, 1937, Serial No. 136,805
In Germany May 7, 1935
17 Claims. (Cl. 74—574)



1. A mechanism for absorbing torsional oscillations of a shaft comprising a support adapted to be attached to the shaft, two adjacent inertia-accumulators rotatably mounted on and embraced by said support, one inertia-accumulator being provided with an annular surface and the other one with a plurality of pockets in opposed relationship to said annular surface, and a plurality of resilient elements encased in said pockets, bearing against the bottom thereof and directed toward said annular surface, whereby said inertia-accumulators are pressed apart and held in frictional engagement with said support.

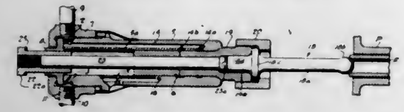
2,152,711
SCREW-THREADING DIE AND HOLDER THEREFOR
Max A. Slotta, Chicago, Ill.
Original application June 6, 1936, Serial No. 83,849, now Patent No. 2,100,724, dated November 30, 1937. Divided and this application October 13, 1937, Serial No. 168,712
10 Claims. (Cl. 10—121)



1. A holder for screw threading dies of the type having prongs and said prongs having bevelled outer faces, comprising a socket wherein and whereby the die is receivable and engageable, the prongs of the die being adapted to ex-

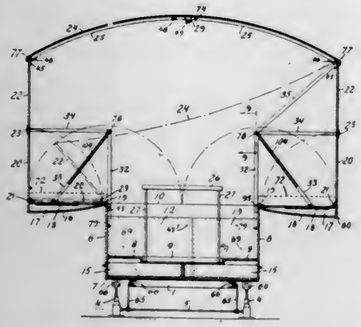
tend beyond said socket, a cap slidably receivable upon said socket, said cap being provided with a constricted mouth through which said prongs are adapted to project, the wall of said constricted mouth being adapted to bear against said bevelled outer faces of the prongs, and a sleeve rotatably fitted on said socket and having threaded engagement over said cap for drawing the latter inwardly and increasing the pressure of said wall upon said prongs for the purpose of springing said prongs toward the longitudinal center of the die.

2,152,712
FLUE EXPANDER
Edward W. Stevens, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application October 31, 1936, Serial No. 108,524
6 Claims. (Cl. 153—80.5)



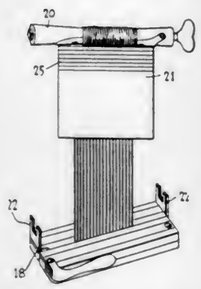
1. A fluid actuated hammer for expanding flues and the like comprising a one-piece cylinder, an anvil block fitting the front end of the cylinder, an anvil block at the rear end of the cylinder, a rod connecting said front and rear anvil blocks and surrounded thereby, a percussive piston reciprocable in said cylinder, said cylinder having inlet and exhaust ports for effecting reciprocation of the piston, said blocks being spaced apart a greater distance than the length of stroke of the piston, said piston being arranged for selectively striking either anvil block by longitudinal movement of the cylinder relative to the blocks, the front anvil block having an abutment contacting exteriorly of the front end of the cylinder to limit forward movement of the cylinder relative to the anvil blocks and the rear anvil block having an abutment contacting exteriorly of the rear end of the cylinder to limit rearward relative movement of the cylinder.

2,152,713
AUTOMOBILE TRAILER
Alfred K. Stewart, Yonkers, N. Y.
Application August 15, 1936, Serial No. 96,133
Renewed September 7, 1938
3 Claims. (Cl. 296—23)



1. In a vehicle of the class described, the combination of a roof, a body, hinged covers thereon, side panels hinged to the said covers, a series of rafters detachably connected to the side panels, a tent covering also connected to the side panels and supported by the rafters, and linkage for upholding the said panels when the superstructure is open, said linkage comprising interfolded members of a pair, one of which is pivoted to the body and the other to the seat panel, while the pivot between them operates in an elongated slot in the link pivoted to the cover panel and detachable brace members engaging the parts to hold them in the open position.

2,152,714
METHOD AND APPARATUS FOR DIFFERENTIALLY WAVING HAIR
Joseph Torres, Brooklyn, N. Y.
Application December 29, 1937, Serial No. 182,194
12 Claims. (Cl. 132—36.2)



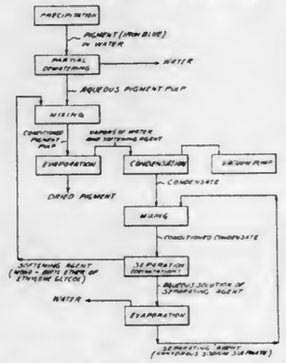
7. As an article of manufacture, a hair treating pad adapted for the differential waving of hair, which comprises a porous pad, adapted to be shaped to surround hair on a curling rod and impregnated with curling solution neutralizer.

2,152,715
RAILWAY CAR HAND BRAKE
Edwin E. Van Cleave, Chicago, Ill., assignor of one-half to Alois Wiedenbauer, Chicago, Ill.
Application July 21, 1937, Serial No. 154,810
7 Claims. (Cl. 188—153)



1. In a hand brake operating mechanism for railway cars, a supporting frame structure arranged for attachment to a vertical end wall of a railway car and comprising a unit including a ram cylinder having inner and outer cylindrical walls, a ram plunger in the form of a cylinder fitting between the inner and outer walls of said ram cylinder, a brake operating rod extending vertically inside the inner wall of the ram cylinder and having an operative connection with the top of the ram plunger, and pump means for forcing fluid into the bottom of the ram cylinder, and means controlling said ram plunger to automatically change the effective capacity of said pump means for differential application of power to said ram plunger.

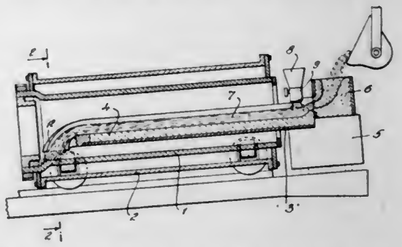
2,152,716
DRYING PIGMENTS
Alfred E. Van Wirt, Andrew G. Aylies, and George F. Jones, Glens Falls, N. Y., assignors to Imperial Paper and Color Corporation, Glens Falls, N. Y., a corporation of New York
Application February 23, 1937, Serial No. 127,184
9 Claims. (Cl. 134—58)



9. A cyclic process for removing water from aqueous pigment which comprises incorporating in the aqueous pigment a relatively volatile organic water-miscible liquid that inhibits caking of the pigment during drying, has a boiling point higher than water, is chemically inert with respect to water and the pigment, will withstand repeated evaporation without decomposition, and in which the pigment is substantially insoluble, subjecting the resulting mixture to evaporation to drive off water and the organic liquid as a vapor, condensing the vapor, adding to the resulting condensate an anhydrous salt which is water-soluble but substantially insoluble in the organic liquid thus forming, an aqueous salt solution which is immiscible with and of different density than the organic liquid, separating the organic liquid from the salt solution by decantation and returning the organic liquid to the aqueous pigment thereby utilizing the organic liquid again.

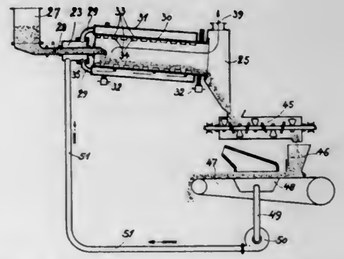
2,152,717
METHOD OF CASTING IN A CENTRIFUGAL MOLD
Hermann Wehmeier and Wolfram Ruff, Wetzlar, Germany, assignors, by mesne assignments, to Centrifugal Pipe Corporation, Jersey City, N. J., a corporation of Delaware
Application December 22, 1937, Serial No. 181,168
In Germany December 24, 1936
2 Claims. (Cl. 22—201)

1. In a method of casting pipe in a centrifugal mold the improvement which comprises sprinkling a metallic powdered material on the upper surface or stratum of the metal as it is being fed into the mold, and guiding the stream of molten



metal into the mold in such manner that the said stratum on which the powdered material was deposited is brought into contact with the inner surface of the mold.

2,152,718
PROCESS FOR THE PRODUCTION OF SINTERED PRODUCTS
Helmut Wendeborn, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Original application May 13, 1937, Serial No. 142,375. Divided and this application December 27, 1937, Serial No. 181,816. In Germany May 20, 1936
9 Claims. (Cl. 263—53)

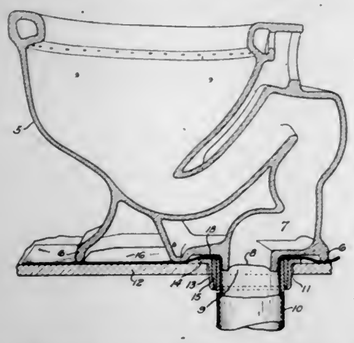


1. The process of producing cement which comprises forcing a hot finely distributed gas stream through a raw slurry of finely ground raw material in such amounts as to transform said slurry into porous crumbs, admixing fuel to said crumbs, charging said crumbs in admixture with fuel onto a grate, and forcing air through said charge on said grate to cause burning of said fuel and sintering of said crumbs.

2,152,719
CLOSET BOWL MOUNTING MAT
Henry Clay Williams, Milwaukee, Wis.
Application September 24, 1937, Serial No. 165,548
2 Claims. (Cl. 4—252)

1. In combination, a closet bowl having a base provided with flanges and having a closet bend, an outlet pipe within which the lower end of said closet bend extends, said closet bend having substantially horizontally extending portions in connection with its exterior and spaced above said lower end portion which extends into the outlet pipe, and a sheet of rubber between the base flanges of the bowl and the flooring, said sheet having an opening therein positioned to receive

the downwardly extending lower end of the closet bend, the material surrounding said opening being of substantially increased thickness and resting on the upper end of the outlet pipe and beneath said horizontally extending exterior portions of



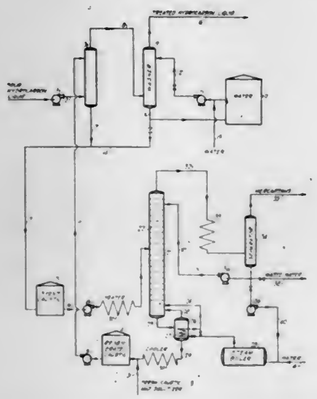
said closet bend, the weight of the bowl causing said portion of the rubber which is of increased thickness to be squeezed between said horizontally extending portions and the upper end of the outlet pipe to insure a tight water-proof joint.

2,152,720

PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON DISTILLATES

David Louis Yabroff, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 28, 1936, Serial No. 102,892
9 Claims. (Cl. 196—32)



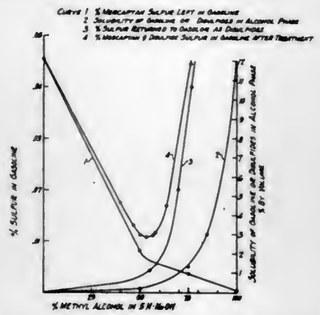
1. In the process of separating organic acid reacting substances contained in a substantially water-insoluble organic liquid which is chemically inert to strong bases under the conditions of the process, the steps comprising treating said liquid with an aqueous solution of a strong base containing about 15 to 85% of a compound selected from the group consisting of aminoalkylamines and alkanolamines whose alkylene groups contain less than 4 carbon atoms, under conditions to absorb a major portion of said acid reacting substances in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid reacting substances and the other consisting essentially of the treated organic liquids, and separating the layers.

2,152,721

PROCESS FOR THE REMOVAL OF MERCAPTANS FROM HYDROCARBON DISTILLATES

David Louis Yabroff, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application May 26, 1937, Serial No. 144,867
1 Claim. (Cl. 196—32)



In a regenerative process for desulfurizing a hydrocarbon liquid which contains mercaptans and is substantially free from acids other than mercaptans, which process involves extraction of mercaptans from said oil with an alcoholic aqueous solution of an alkali metal hydroxide, whereby a treated hydrocarbon liquid and a spent solution containing mercaptides are formed, regenerating said spent solution by air blowing under conditions to oxidize mercaptides to disulfides at least a portion of which form a separate layer which is removed, and extracting more of said oil with the resulting regenerated solution having essentially the same composition of the original aqueous solution, the improvement comprising employing in said extraction a solution consisting essentially of 50 to 60% of an alcohol selected from the group consisting of methyl and ethyl alcohols, at least 25% water and an alkali metal hydroxide.

2,152,722

PROCESS OF SEPARATING MERCAPTANS CONTAINED IN A HYDROCARBON LIQUID

David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 22, 1937, Serial No. 170,422
10 Claims. (Cl. 196—30)

1. In the process of separating acid reacting substances contained in a water-insoluble neutral or basic organic liquid, the steps comprising treating said liquid with an aqueous solution of a strong base containing a substantial amount of a dissolved salt of an aliphatic hydroxy carboxylic acid, having from 3 to 7 carbon atoms, under conditions to absorb at least a portion of said acid reacting substance in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid reacting substances and the other consisting essentially of the treated organic liquid, and separating the layers.

2,152,723

PROCESS FOR REMOVING ACID COMPONENTS FROM HYDROCARBON DISTILLATES

David Louis Yabroff, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 1, 1937, Serial No. 172,219
8 Claims. (Cl. 196—32)

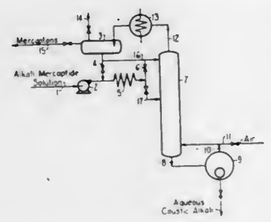
1. In the process of separating organic acid reacting substances contained in a water-insoluble neutral or basic organic liquid, the steps comprising treating said liquid with an aqueous solution of a strong base containing a substantial amount of a dissolved aliphatic diamino alcohol having from 3 to 5 carbon atoms, under conditions to absorb at least a portion of said acid reacting substances in said aqueous solution and to form two liquid layers, one comprising the aqueous solution containing absorbed acid reacting substances, and the other consisting essentially of the treated organic liquid and separating the layers.

2,152,724

PROCESS FOR THE REMOVAL OF MERCAPTANS FROM MERCAPTIDE SOLUTIONS

David Louis Yabroff, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 15, 1937, Serial No. 174,512
13 Claims. (Cl. 260—609)



1. In the process of removing mercaptans by steaming from an aqueous solution of a caustic alkali, which is substantially non-volatile under the conditions of the steaming, containing mercaptides and an amount of a solubility promoter for mercaptans in water at least sufficient to compensate the salting out of the average mercaptan from the aqueous caustic alkali solution, the improvement comprising diluting the solution with water and passing direct steam through the diluted solution under conditions to prevent substantial condensation of the steam.

2,152,725

MARKING

John M. Auzin, Warwick, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island

Application September 30, 1936, Serial No. 103,285
2 Claims. (Cl. 18—58)

1. The method of forming a marked article of thin rubber comprising the steps of coating a form of a desired configuration with rubber solution, allowing the solution to dry, marking the outer surface of the dried solution with ink, and applying translucent rubber solution to the marked and previously dried rubber solution to provide an outer coating serving to impart added



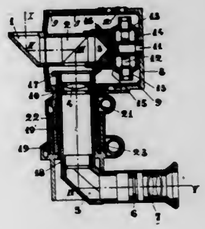
thickness to the article and constituting a translucent shield for the marking.

2,152,726

UNIVERSAL PANORAMIC TELESCOPE

Augusto Baroni, Rome, Italy

Application June 18, 1937, Serial No. 148,857
In Italy June 18, 1936
1 Claim. (Cl. 88—72)



In a panoramic telescope, an optical system including an entrance reflector, a transparent reflector and a reversing prism, means mounting said entrance reflector and said transparent reflector and said prism for collective rotation about a vertical axis, means mounting said entrance reflector and said reversing prism for rotation about a horizontal axis, and a differential gear mechanism interconnecting said reflectors and prism and effective to maintain the amplitude of rotation of the reversing prism about said horizontal axis always one-half of the sum of the amplitudes of rotation of the entrance and transparent reflectors about said horizontal and vertical axes, whereby the telescope is adapted for exploring both horizontally and vertically and whereby the image always is maintained erect.

2,152,727

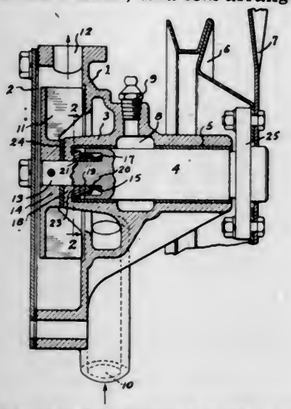
WATER PUMP AND SEAL THEREFOR

William M. Baumheckel, Cincinnati, Ohio, assignor to B. B. B. Corporation, Detroit, Mich., a corporation of Michigan

Application June 8, 1936, Serial No. 84,134
5 Claims. (Cl. 308—36.2)

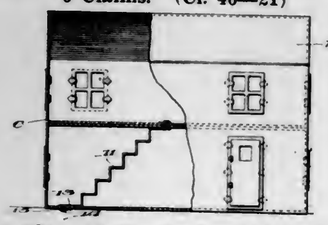
1. A shaft and seal assembly for use in water pumps having a casing and a shaft journal opening into the casing, comprising a shaft of a size to fit the said journal and reduced in thickness where it enters the casing, and a seal set over the shaft having a spring seated on the shoulder

produced in reducing the thickness of the shaft, a packing and a washer, said seal arranged so that



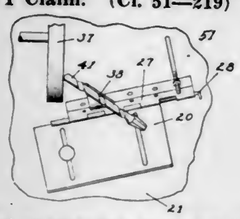
the washer engages the journal about the opening into the casing.

2,152,728
TOY BUILDING
Margaret J. Carpenter, Washington, D. C.
Application April 4, 1938, Serial No. 199,964
6 Claims. (Cl. 46—21)



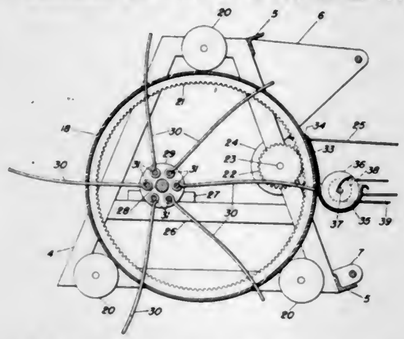
1. A package of structural units for a toy building, each of said units being formed from flat sheet material, and certain of said units each comprising an open frame having bendable inwardly projecting portions integral therewith for securing the same to a wall of the building by bending them around the edges of an opening therein.

2,152,729
UNIVERSAL TOOL SHARPENING AND WORK HOLDER
Curtis C. Chartier, Chicago, Ill.
Application August 26, 1935, Serial No. 37,800
1 Claim. (Cl. 51—219)



A universal sharpening tool and work holder comprising a base plate, means to fixedly position same on a work bench in conjunction with a grinding wheel, a supporting plate hingedly and shiftably mounted on the base plate, and means on the supporting plate for pivotally and shiftably retaining a tool to be sharpened, said means comprising a plate having two angular bends therein, one bend for positioning a tool to be sharpened and the other bend outlining an extension having a pivotal opening and a circular slot therein, and means for shifting the plate about said pivotal opening, said means being circumscribed by the slot.

2,152,730
STRIPPING HARVESTER
Harry Thomas Cory, Washington, D. C.
Application July 14, 1938, Serial No. 219,189
11 Claims. (Cl. 56—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for stripping grain from uncut cereals, said device comprising a hollow cylinder rotatably mounted on peripheral bearings, ring gears fixed to the ends of said cylinder, pinion gears in constant mesh with said ring gears, means for rotatably actuating said pinion gears, a longitudinal shaft parallel and eccentric to the axis of said cylinder, radial flanges secured to said shaft in spaced relation, a plurality of arcuated teeth hinged to each of said flanges, said teeth being so disposed as to project through slots in said cylinder, the length of maximum projection of said teeth being twice the quantitative eccentricity of said shaft to the axis of said cylinder.

2,152,731
ADVERTISING DEMONSTRATION DEVICE
Powel Crosley, Jr., Cincinnati, Ohio, assignor to The Crosley Corporation, a corporation of Ohio
Application November 27, 1936, Serial No. 112,966
5 Claims. (Cl. 35—49)

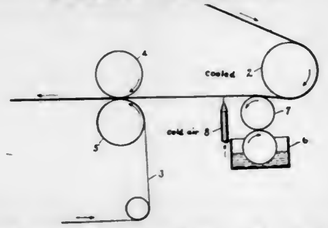
1. In a device of the character described, a main panel, a representation of a refrigerator with its door open located on substantially half of said panel, and a representation of a closure for said cabinet located on the other half of said panel, a supplementary panel hinged to said main panel substantially at the meeting line of the aforementioned representations, and bearing on its surfaces respectively representations of a portion of said cabinet and of said closure, such that when said supplementary panel is swung against said cabinet it appears to form a part thereof, and when swung against said closure represents said closure, the representations on said supplementary panel differing from those on the main panel so as to demonstrate differing conditions of use or non-use, and in which the main panel bears alternative legends, and indicating means for said legends, and in which operating means for said indicating means are provided for actuation in

connection with movements of said supplementary panel and having mechanical means for moving said supplementary panel to alternative



positions in a predetermined cycle, and means in connection therewith for automatically operating said indicating means.

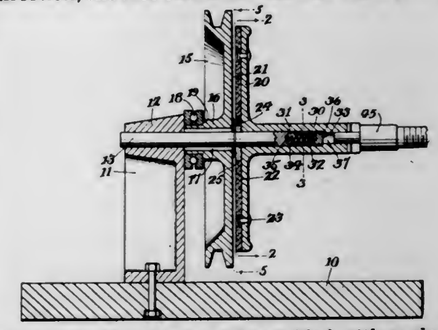
2,152,732
METHOD OF PRODUCING LAMINATED PAPERBOARD AND THE LIKE
Carl G. Dreymann, Pittsburgh, Pa.
Application September 26, 1936, Serial No. 102,747
2 Claims. (Cl. 154—40)



1. The method herein described of producing laminated paper-board and the like in which a moisture-impervious layer of continuous and unbroken integrity is intercalated, which consists in applying in molten condition to a web of cellulosic material capable of imbibing it a film of amorphous petroleum wax that at a temperature of 210° F. has a viscosity of 60–100 Saybolt seconds and that on cooling from molten condition toward its point of solidification gelatinizes, arresting imbibition by cooling the applied film beyond the point of gelatination while still the applied film extends in unbroken continuity, and, before the point of solidification is reached, superposing upon the film-covered web a second, uncoated web of cellulosic material and effecting integration of the whole without breaking of continuity of the film so intercalated.

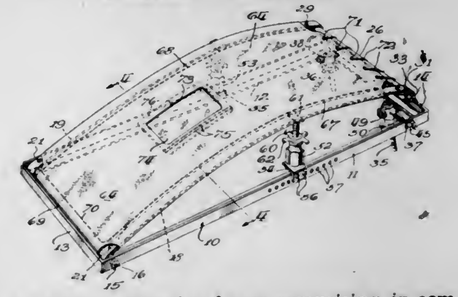
2,152,733
AUTOMATIC CONTROL CLUTCH
Joe Elliott and Edward E. Garner, Everett, Wash.
Application August 6, 1937, Serial No. 157,804
1 Claim. (Cl. 192—66)

In a power driven tool, a standard, an axle secured to said standard and projecting horizontally therefrom, a pulley mounted for rotation on said axle and having a flat face, a hollow shaft mounted for sliding and rotative movement on the axle and provided with an internal shoulder, a disc rigidly connected to the inner end of the shaft and provided with a clutch face adapted to be moved into engagement with the flat face of the pulley when the shaft is reciprocated in one direction, the free end of the axle having a pocket,



a sleeve in the pocket and provided with a closed end abutting the shoulder, a spring in the pocket and sleeve urging the hollow shaft and likewise the disc away from the pulley and means on the free end of the shaft for removably connecting a tool thereto.

2,152,734
HYPEREXTENSION FRAME
Claude H. Ford, Birmingham, Ala., assignor to Harry H. Leiter, Warsaw, Ind.
Application July 22, 1938, Serial No. 220,653
6 Claims. (Cl. 128—84)

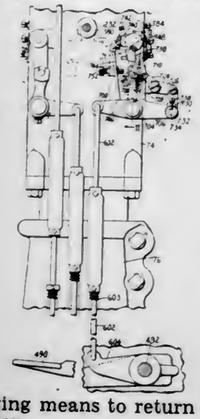


1. A hyperextension frame comprising, in combination, a base, a pair of substantially parallel resilient strips each having one end hinged to the base and having their other ends secured together, means for adjusting the said other ends toward and away from the base, screw jacks for supporting the strip intermediate the ends thereof, said jacks being supported by the base and adjustable longitudinally of the strips, and a web secured to the strips and supported thereby to provide a body support.

2,152,735
SOLE FITTING MACHINE
Trygve Gulbrandsen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 10, 1938, Serial No. 184,179
5 Claims. (Cl. 12—27)

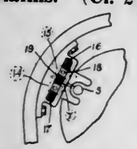
1. In a sole fitting machine, a knife for operating upon a sole, means for urging said knife toward operating position, a treadle, a positive connection between said treadle and said knife for moving said knife out of said operating position upon movement of said treadle, and mechanism operable upon further movement of said treadle to

disengage said positive connection and thereby to



enable said urging means to return said knife to operating position.

2,152,736
PRINTING MACHINERY
Walter E. Hamlin, Cleveland, Ohio, assignor to The Cleveland Shopping News Company, Cleveland, Ohio, a corporation of Ohio
Application October 29, 1936, Serial No. 108,239
3 Claims. (Cl. 270—77)



3. In apparatus of the character described having means for applying ink impressions to paper and folding means therebeyond including a folder finger and a rotary shaft to which said folder finger is secured and a pinion secured to said shaft, together with a rotary carrier in which said shaft is mounted, means for cleaning the folder finger and means inhibiting binding of the folder finger, including a pair of cleaner rollers positioned at a point adjacent said carrier and mounted loosely without positive rotation, and resilient means urging said cleaner rollers together.

2,152,737
HAIR FOUNDATION ROLL
John W. W. Holden, Providence, R. I.
Application September 1, 1937, Serial No. 161,974
6 Claims. (Cl. 132—38)



1. A foundation for a hair curl comprising a hollow cylinder of braided, dyed, imitation horse hair set to retain its shape and having the open ends thereof turned inwardly.

2,152,738
METHOD OF AND APPARATUS FOR MOLDING MATERIALS
Benjamin A. Jeffery, Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)
Application April 17, 1936, Serial No. 74,972
11 Claims. (Cl. 25—45)

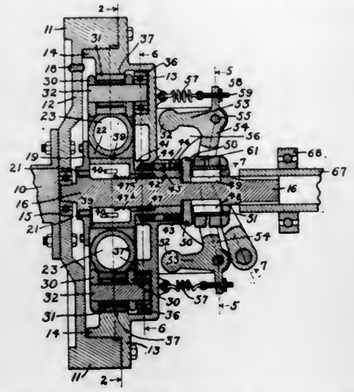


3. The method of compressing granular or powdery material which comprises filling the material into an elongated cavity open at one end and otherwise surrounded by self-sustaining deformable material, closing the open end, and compressing the powder into a self-sustaining body by applying to the deformable material a compressing force high in proportion to the resistance of the deformable material to deformation, and thereby forcing said deformable material to flow against the material within the cavity.

2,152,739
VARIABLE SPEED POWER TRANSMISSION DEVICE
Arnold H. Jessen, Los Angeles, Calif.
Application July 1, 1936, Serial No. 88,400
11 Claims. (Cl. 192—60)

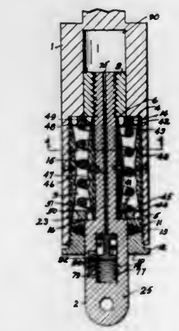
1. In a power transmitting device, a revoluble hollow casing member containing a liquid, a cam within and secured to said member, a rotor member rotatable within said casing member, a valved piston for and within each of said cylinders, a lever for each of said pistons and jointedly connected therewith, each of said levers being pivoted upon said rotor member, a roller for and journaled upon each of said levers between its ends, said rollers contacting with and rolling upon said cam as the casing and rotor members turn at different speeds, whereby the cam causes the levers to rock upon their pivots and the pistons to reciprocate within their respective cylinders, the rollers being journaled upon their levers at points nearer the pivoted ends of the levers than the piston-connected ends, whereby the thrust of the cam upon the rollers is preponderantly sustained by the said pivoted ends of the levers, and the pivots of said levers are in advance of the rollers in the direction of

rotation of the rotor member so that the preponderant thrust from the rollers is transmitted



to the rotor member at points where it assists in turning the rotor member.

2,152,740
SHOCK ABSORBER
Hans Johansen, Mantua, Ohio
Application January 28, 1938, Serial No. 187,422
11 Claims. (Cl. 267—8)



1. In a two-way shock absorber means including a hollow cylindrical member having a relatively movable member telescopically mounted therein and a fluid chamber formed by surfaces of the members, end limits of the fluid chamber being defined by cooperating shoulder portions on each of the members, displacement means disposed at each end of the chamber and held in a normal position against the shoulder portions by a yieldable means for forming a working chamber, fluid in said working chamber for resisting movement of said relatively movable member, and comprising openings in said displacement means for relieving fluid resistance produced by movement of said movable member in either of the two directions of movement, and valve means in said openings operable by the movement of the relatively movable member in either of the two directions for gradually reducing the relief in the resistance produced consequent upon movement of the relatively movable member in either of the two directions from its normal position until a maximum resistance is produced, and for gradually relieving the maximum resistance produced during the return of the movable member to its normal position.

2,152,741
CATIVIC ACID ESTERS AND METHODS OF PREPARING THEM
Nicholas L. Kalman, Cambridge, Mass.
No Drawing. Application July 29, 1935, Serial No. 33,661
12 Claims. (Cl. 260—103)

1. A process comprising reacting cativic acid with an alcohol to form an ester of cativic acid.

2. A process comprising separating cativic acid occurring in cativo resin from a substantial proportion of the other ingredients of said resin, and then reacting the separated cativic acid with an alcohol to form an ester of cativic acid.

2,152,742
OXYGEN DERIVATIVES OF CATIVIC ACID AND METHODS OF PREPARING THEM
Nicholas L. Kalman, Cambridge, Mass.
No Drawing. Application July 30, 1935, Serial No. 33,869
8 Claims. (Cl. 260—99)

7. A process which comprises dissolving cativic acid in a solvent therefor, oxidizing said cativic acid in the presence of an oxidation catalyst by reacting it with oxygen, and precipitating the oxidized cativic acid by addition of a non-solvent thereof.

2,152,743
CATIVIC ACID AND METHODS OF PREPARING IT
Nicholas L. Kalman, Cambridge, Mass.
No Drawing. Application October 15, 1936, Serial No. 105,697
6 Claims. (Cl. 260—97)

5. As a new compound, cativic acid, having a composition corresponding approximately to the molecular formula $C_{20}H_{34}O_2$, a boiling point of about 228° C. at a pressure of 6 millimeters of mercury absolute, and being a mono-basic acid, which, at ordinary temperatures, is viscous, tacky, and substantially without color and odor, and also being insoluble in water, soluble in the common organic solvents, and readily capable of forming both esters with alcohols, and also metallic salts.

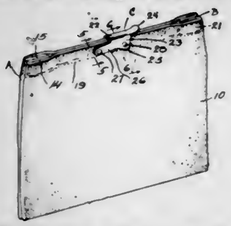
2,152,744
INSOLUBLE METAL CATIVATES AND METHOD OF MAKING THEM
Nicholas L. Kalman, Cambridge, Mass.
No Drawing. Application December 10, 1936, Serial No. 115,148
18 Claims. (Cl. 260—105)

1. A cativate of a metal of groups IB to VIII, inclusive, of the periodic system.

2,152,745
BAG CONSTRUCTION
Albert Klass, Brooklyn, N. Y., assignor to Lloyd Manufacturing Corp., a domestic New York corporation
Application December 10, 1937, Serial No. 179,210
1 Claim. (Cl. 150—1)

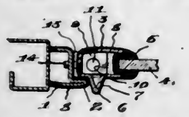
A bag comprising a body open at its top and having side and end walls the upper ends of which are flush with each other, said body being formed from a blank of flexible material folded midway its length to form the side walls and the side walls having triangular end extensions folded inwardly and constituting companion end wall sections having their meeting side edges secured to each other by inturned seams to provide triangular end walls each formed with an inturned

vertical seam midway its width and having its apex directed downwardly, resilient reinforcing strips extending along the inner faces of the side walls at the top of the body for the full width thereof, the said side walls having their upper ends folded inwardly and secured to form hems enclosing said strips and having their upper edges flush with upper edges of the end walls, and a latch having a fastener passing through one strip and the hem enclosing the same and mounting



the latch for movement into and out of position to straddle both strips intermediate the length thereof and secure the bag closed with the end walls folded inwardly to a flat collapsed position between the side walls, and said strips being flexed towards each other by the latch when in a closed position to hold the hems in face to face engagement with each other between the inturned end walls and form a tight closure for the upper end of the bag.

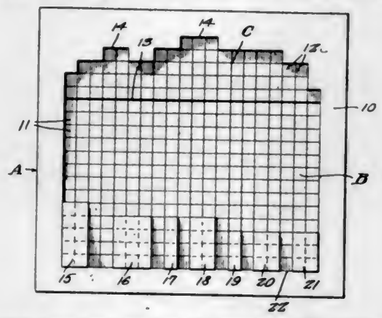
2,152,746
DOOR CONSTRUCTION FOR SHOWER BATH CABINETS
John F. Levan, Elkhart, Ind., assignor to Excel Curtain Company, Elkhart, Ind., a corporation of Indiana
Application May 10, 1938, Serial No. 207,063
3 Claims. (Cl. 189—46)



1. In a door construction for shower bath cabinets, the combination of a door frame formed with a stop against which the door closes, a door including a marginal sash hinged to the door frame, and a panel, the sash being channel-shaped in cross section and provided with means for receiving the panel, the side of the channel which closes against the stop being formed with an offset wedge-shaped in cross section extending across the edge of the stop for deflecting water away from the joint between the closed door and the door frame.

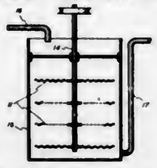
2,152,747
GAME
Ralph D. Martin, Washington, D. C.
Application August 3, 1937, Serial No. 157,198
3 Claims. (Cl. 273—131)

3. A game apparatus comprising a bed having longitudinal and transverse rows of contiguous squares, said rows being divided for effecting operating and finishing play fields, certain of the rows of squares in the finishing field being of irregular extent with respect to each other, and a playing element of block formation turnable on the fields and having face dimensions several times greater than a single square in each field, said block having a shape and dimensions constructed after the same unit dimension pattern for the field square and one dimension being of



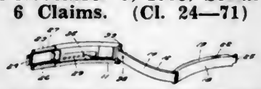
an odd number of lineal units while the other dimensions are of an even number of lineal units.

2,152,748
METHOD OF RECOVERING GOLD FROM ITS ORES
Gotthold Harry Meinzer, Glendale, Calif.
Application November 23, 1936, Serial No. 112,364
8 Claims. (Cl. 209—52)



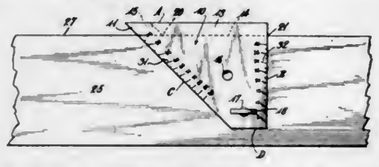
1. The method of recovering gold or silver from an ore pulp containing the free metal which comprises: producing relative movement of said ore pulp over a suspended, substantially plane surface of mercury coated woven wire screen in a direction substantially parallel to said plane and at a relatively high velocity sufficient to produce vortices on the trailing side of the wires composing said screen, and simultaneously producing a relatively slow movement of said pulp in a direction normal to said plane.

2,152,749
EXTENSION DEVICE
Sven O. Myrberg, Providence, R. I., assignor to Providence Stock Company, a corporation of Rhode Island
Application November 9, 1935, Serial No. 49,083
6 Claims. (Cl. 24—71)



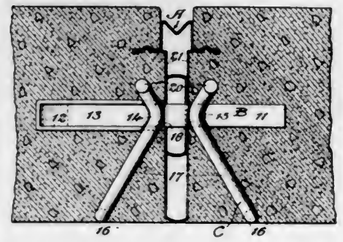
3. In an extension device, a member, a second member hingedly connected thereto and movable to open or to folded position with respect thereto, means for releasably locking said second member in folded relation to said first member, an adjustment link slidably secured to said first member and having ratchet teeth, a pawl element rotatably mounted in said first member and having a finger adapted to engage with said ratchet teeth, a projection on said second member engageable with said pawl element to shift the finger into engagement with the ratchet teeth, and a lug on said pawl element engageable by said second member for rotating said pawl element to shift the finger out of engagement with the ratchet teeth.

2,152,750
GEOMETRICAL DEVICE
Allen C. Pierson, Berryville, Va.
Application June 25, 1937, Serial No. 150,396
9 Claims. (Cl. 33—75)



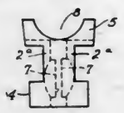
9. A geometrical device comprising in combination a member substantially triangular in form and substantially U-shaped in cross section, an instrumentality having a guiding edge, said guiding edge located within the U-shaped opening of said member, and means comprising a friction device cooperating with said member and instrumentality for securing the instrumentality in place.

2,152,751
DOWEL MEANS FOR EXPANSION JOINTS
Walter F. Schulz, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application November 9, 1935, Serial No. 49,103
5 Claims. (Cl. 94—18)



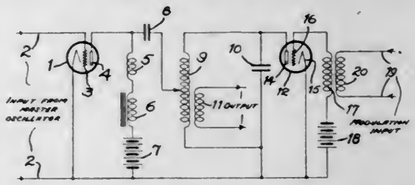
1. Connecting means for a pair of slabs comprising a dowel pin extending between and into the slabs, a tubular structure embedded in one of the slabs and slidably accommodating the related end portion of the dowel pin, and means for distributing stresses to which the tubular structure is subjected when either slab is loaded, said means comprising arms rigid with said tubular structure directly adjacent to the end face of the related slab and extending upwardly and outwardly and downwardly and outwardly, respectively, from said tubular structure into the material of the slab.

2,152,752
COMPRESSION QUAD FOR JUSTIFYING LINES OF TYPE
Otto L. Spaeth, Oakwood, Ohio, assignor to Dayton Type, Incorporated, Dayton, Ohio, a corporation of Delaware
Application May 6, 1937, Serial No. 141,130
8 Claims. (Cl. 101—403)



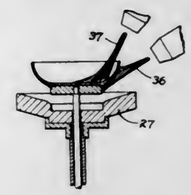
1. A spacing quad comprising a body having two setwise sides whose outside bearing surfaces are flat, and an integral web joining said sides, said web and the top of the quad being formed with cavities to receive the compressed metal when the quad is compressed.

2,152,753
MODULATOR
Frederick E. Terman, Stanford University, Calif.
Application March 9, 1936, Serial No. 67,866
7 Claims. (Cl. 179—171)



1. In combination with an electron discharge device having a circuit to which oscillating power is supplied by said device, means for modulating said power which comprises an absorber modulator connected across at least a portion of said circuit to which oscillating power is supplied, means for supplying a modulating frequency to said absorber modulator, and means for maintaining the direct anode current of said electron discharge device constant.

2,152,754
APPARATUS FOR FORMING GLASSWARE
William L. Wagner, Sr., Glenshaw, Pa.
Application July 26, 1937, Serial No. 155,583
4 Claims. (Cl. 49—7)

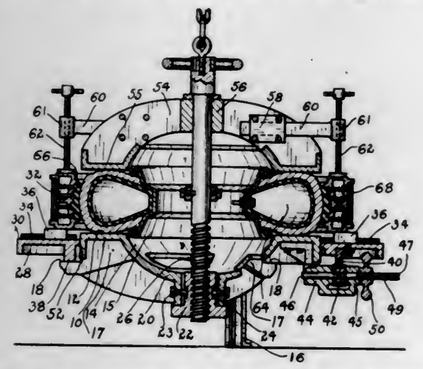


2. Apparatus for forming shallow ware from glass nappies or the like, comprising formers, means for moving said formers past successive heating stations, means for supporting the nappies in elevated positions relative to the formers when passing one station, means for applying heat to the exterior surfaces of the nappies at said station, means for heating the interiors of the nappies at a succeeding station, means for lowering the nappies into such a position that they will sag against the formers when softened by the heat, and means for constantly rotating the nappies while being heated.

2,152,755
TIRE RECAPPING PRESS
Elwin D. Barnes, Seattle, Wash.
Application December 30, 1936, Serial No. 118,391
10 Claims. (Cl. 18—18)

1. In a tire retreader the combination with a tire supporting table and an annular clamp thereon, means for compressing said clamp against a side wall of a tire, and a mold adapted to surround the periphery of said tire, of a ro-

tatable mold supporting ring interposed between said table and said mold, and a series of cams on



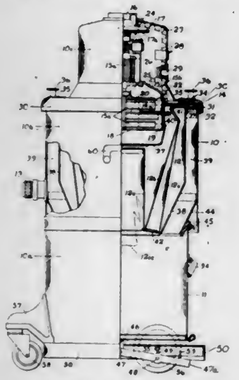
said ring for co-action with said table providing vertical adjustment for said mold.

2,152,756

PORTABLE VACUUM CLEANER

Joseph F. Billmyre, Larchmont, N. Y., assignor to Allen Billmyre Corporation, New York, N. Y., a corporation of New York

Application April 6, 1937, Serial No. 135,216
5 Claims. (Cl. 183—37)



1. In a vacuum cleaner system, a cylindrical body, an inverted self-cleaning filter bag mounted within said body, an inverted frusto-conical wall supporting a V-shaped packing element and said wall being mounted on said body and around the bottom edge of said filter bag, a can within said body the top edge of which is adapted to engage said packing element when the can is lifted, and means for lifting said can.

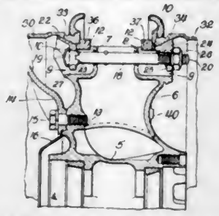
2,152,757

WHEEL ASSEMBLY

Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application May 22, 1936, Serial No. 81,237
7 Claims. (Cl. 301—13)

1. In combination, a wheel spider having radially extending spokes provided at their outer ends with central radially extending abutments, tire rims adapted to be mounted on said spoke ends on opposite sides of said abutments, and spacing rings having parallel radial faces for lateral engagement between said rims and said abutments and



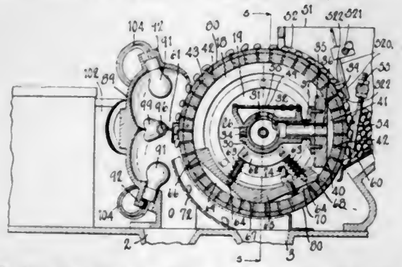
having spaced lateral projections under said rim for initially centering said rims on said spider.

2,152,758

SORTING MACHINE

David C. Cox, Grand Rapids, Mich., assignor to Electric Sorting Machine Company, Grand Rapids, Mich.

Application April 5, 1937, Serial No. 135,012
17 Claims. (Cl. 209—111)



6. In a sorting machine, the combination with a feed hopper, of a rotatably mounted drum-like conveyor having an annular series of suction orifices, said conveyor being disposed so that a portion thereof sweeps through the hopper in contact with the material to be sorted, a suction head disposed within said conveyor in opposed relation to the hopper and coacting with the wall of the conveyor to form a suction chamber into which the suction orifices successively open while in operative relation to said hopper, means for creating suction within said suction head, means for creating a less degree of suction within said conveyor acting to create a partial vacuum within the conveyor sufficient to hold articles to said conveyor while permitting easy disengagement thereof, a light sensitive means operatively associated with said conveyor and to which the articles translated by said conveyor are successively subjected, and an ejector means for ejecting selected objects from said conveyor operatively associated with said light sensitive means.

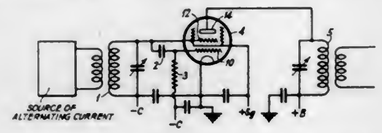
2,152,759

MULTIPLE GRID HARMONIC GENERATOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 10, 1936, Serial No. 115,129
11 Claims. (Cl. 250—36)

1. In a system for producing harmonically related alternating potentials by means of alternating potentials of fundamental frequency, an electron discharge device having a control grid, a cathode, an anode, and a suppressor grid, means for impressing alternating current of the fundamental frequency on said control grid and said suppressor grid, means for producing a virtual cathode effect in said tube in the region between said control grid and said suppressor grid, a circuit tuned to a harmonic of the fundamental frequency connected between said anode and cathode, and means for biasing said control grid and said suppressor grid relative to said cathode.

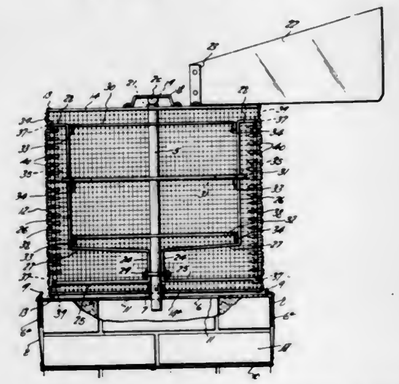


2,152,760

SPARK ARRESTER

Clarence H. Gormley, Farmington, Mo., assignor of one-half to George A. Rickus, Farmington, Mo.

Application June 4, 1937, Serial No. 146,338
4 Claims. (Cl. 183—52)



1. In a device of the kind described, a center post, means for mounting the same vertically atop a chimney, screen frames journaled in vertically spaced relation on the center post, a bearing bracket on the upper screen frame, a bearing ball journaled between the bracket and upper end of the center post, a cylindrical screen extended between the screen frames, upper and lower arms extended rigidly from the center post, cleaner bars journaled vertically between these arms and extended parallel with and inside the wall of the screen, and teeth radially extended from the cleaner bars in mesh with the screen.

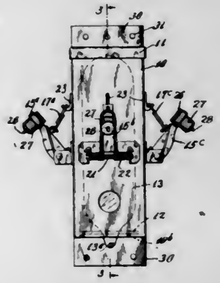
2,152,761

AUTOMATIC FIRE DETECTOR, ALARM, AND EXTINGUISHER

Joseph Grison, Braintree, Mass., assignor of seven-eightieths to Paul Joseph Ansel, three-eightieths to Myrtle E. Ansel, one-twentieth to Frances J. Barnum and Charles A. Dolbier, one-fortieth to J. Joseph Logan, one-twentieth to Harriette B. Logan, one one-hundredth to Leo R. Andrus, three-fortieths to Cecil C. Wright and Cecil W. Wright, and one-fortieth to Ruth K. Goettsche, all of New York, N. Y.

Application October 21, 1935, Serial No. 45,863
Renewed November 23, 1938
4 Claims. (Cl. 169—26)

1. In a device of the class described, a hollow body adapted to be attached upon a wall or the like and having an open top end and an open bottom end, a removable cover closing said top end, a lug extending across the bottom of said body leaving a space between its edges and the sides of said body, a breakable grenade of carbon tetrachloride resting on said lug, said body having an opening exposing a portion of the grenade, several spring operated clappers with explosive cartridges mounted on the outer side of said



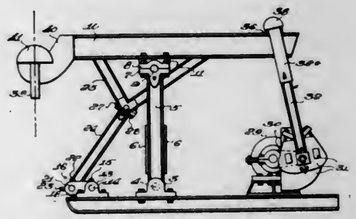
body, fuse links of different fusing temperatures holding said clappers from exploding said cartridges, said clappers being so mounted that when they are released the exploding cartridges carried thereby will strike the outer wall of the hollow body, and the clapper held by the fuse link having the highest fusing temperature being so mounted that when released it will pass through the opening in said body to strike and break said grenade.

2,152,762

STRAIGHT LIFT PUMPING APPARATUS

George T. Humphrey, Dallas, Tex.

Application April 26, 1937, Serial No. 138,881
10 Claims. (Cl. 74—103)



1. A straight lift well pump including a base and a walking beam, a pair of supports hinged to said base and to said walking beam, and an articulated leg, said leg comprising a structure rigid with respect to said walking beam and depending therefrom, and a link hinged adjacent said base and likewise hinged to said depending structure.

2,152,763

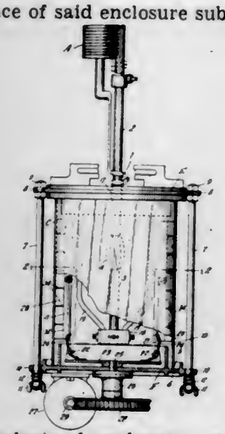
ENCLOSED ARC LAMP

Clarence W. Jameson, Lombard, Ill., assignor to Atlas-Ometer Co., Chicago, Ill., a corporation of Illinois

Application June 28, 1937, Serial No. 150,675
8 Claims. (Cl. 176—113)

1. The combination of an electric arc lamp of the class described, including electrodes and an enclosure for the arc for transmitting actinic rays from the arc, and means operable from the exterior of said enclosure for maintaining the in-

terior surface of said enclosure substantially free



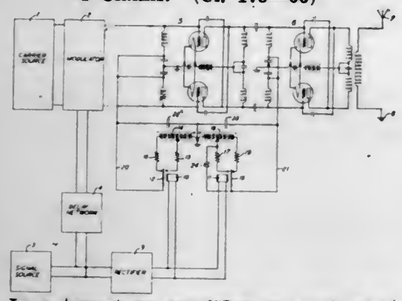
from the products of combustion of the electrodes during operation.

2,152,764

CONTROLLING OR KEYING ARRANGEMENT

Kenneth L. King, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 24, 1937, Serial No. 138,803
In Great Britain July 28, 1936
4 Claims. (Cl. 178—66)



1. In a two-stage amplifier, in each stage, a condenser connected between the respective grid and cathode, a biasing source, a relay for changing the voltage of the respective biasing source, means for connecting the biasing source across the respective condenser, said means including series resistors for controlling the rate of charge and discharge of the condensers and a rectifier connected between the grid and the cathode of the second stage with its conductive direction from the amplifier grid toward the amplifier cathode.

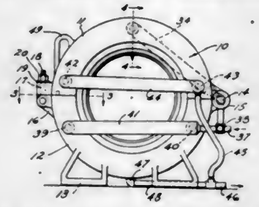
2,152,765

TIRE RETREADING APPARATUS

Floyd E. Kite and Lawrence B. Broering, Los Angeles County, Calif., assignors, by mesne assignments, to Tru-Tred, Inc., a corporation of California

Application September 23, 1935, Serial No. 41,740
2 Claims. (Cl. 18—18)

1. In a tire retreading apparatus, a full circle mold formed of upper and lower segments each having a steam cavity extending substantially throughout the length of the segment, said upper segment having a steam inlet into the upper portion of its cavity and further having a pair of steam outlets from the lower portions of its cavity, one of said outlets being lower than the other, said lower segment having a steam outlet from the lower portion of its cavity and further having a pair of steam inlets into the upper portions of its cavity, one of said inlets being higher than the other, an inclined discharge pipe connecting the upper segment cavity outlets, an inclined supply pipe connecting the lower segment cavity inlets, steam distributing means



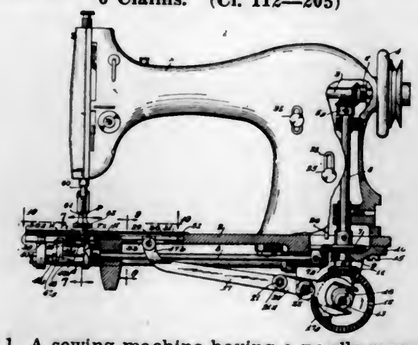
adapted for connection with a source of steam supply and connected with the inlet of the upper segment cavity and with the higher end of the inclined supply pipe connecting the lower segment cavity inlets, and exhaust steam receiving means adapted for connection with a steam discharge conduit and connected with the lower segment cavity outlet and with the lower end of the discharge pipe connecting the upper segment cavity outlets.

2,152,766

SEWING MECHANISM

William H. Lewin, New York, N. Y.

Application December 9, 1936, Serial No. 114,914
6 Claims. (Cl. 112—205)



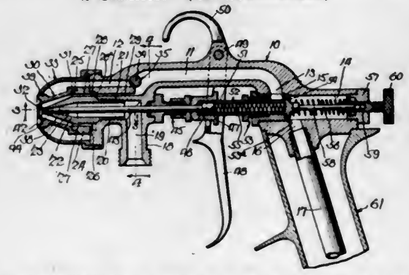
1. A sewing machine having a needle mounted for to-and-fro movement, a needle plate mounted for to-and-fro movement, the direction of movement of the needle plate being at an angle to the direction of movement of the needle, a movable feed device, operating mechanism adapted and operative to actuate the needle to-and-fro and to move the needle plate to-and-fro and to impart a four-motion movement of the feed device relative to the needle plate, direct connecting means between said needle plate and said feed device so that the feed device is moved to-and-fro in unison with the to-and-fro movement of the needle plate, said operating mechanism being operative and timed to move the feed device forwardly in a feeding stroke and simultaneously to move the needle plate and the feed device laterally in one direction, then to move the feed device rearwardly in an idle stroke while the needle plate is held against substantial movement, then to move the feed device forwardly in a feeding stroke while the needle plate and the feed device are moved in a second direction which is opposite to the first-mentioned direction, and then to move the feed device rearwardly in an idle stroke while the needle plate is held against substantial movement.

2,152,767

SPRAY GUN

George McKnight, Chicago, Ill.

Application September 8, 1936, Serial No. 99,712
2 Claims. (Cl. 299—140.1)



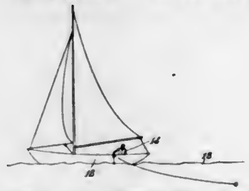
1. A spray gun comprising a body having an air passage and a material passage therein, a flanged material nozzle fixedly secured to the body and communicating with the material passage, the flange of said material nozzle having openings transversely of the flange communicating with the air passage for directing air around said nozzle, a valve within said nozzle, a hollow open-ended conical member having a conical bore terminating into a reduced opening and fitted to the flange of said nozzle and in spaced relation therewith forming means for directing air therearound, a cup-shaped shell having an opening therein and engaging said conical member and releasably secured to the gun body, said shell forming means for directing air from the air passage around said conical member, said conical member having diametrically opposed angularly directed milled openings serving with the shell to direct opposed streams of air to a common center on the axis of the material flow outwardly of the nozzle.

2,152,768

MEASURING MEANS

David Moffat Myers, Larchmont, N. Y.

Application June 1, 1938, Serial No. 211,117
12 Claims. (Cl. 73—122)



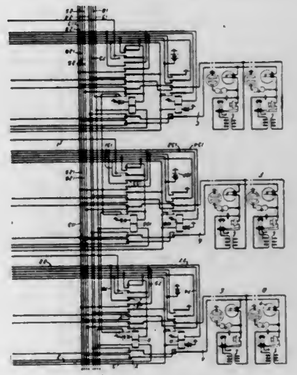
1. Means for measuring the relative velocity between an object and a fluid, comprising an indicator device adapted to be suspended from the object and including a graduated plate weighted at the bottom, a handle pivoted to the upper portion of the plate for suspending the latter under the action of gravity in a predetermined zero position, a drag member heavier than and adapted to ride in the fluid medium, and an angularly movable element connecting the drag member to the plate, said movable element cooperating with the graduations of the plate to afford a measure of the displacement of the drag member from a predetermined zero position, as a result of the velocity effect thereon.

2,152,769

TELEPHONE SYSTEM

Neal D. Newby, Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 25, 1937, Serial No. 165,607
11 Claims. (Cl. 179—17)



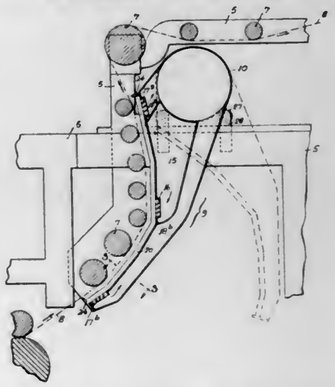
1. In a telephone system, subscribers' line circuits, a link circuit, a selector switch individual to said link circuit and having a terminal for each of said line circuits, and means comprising a relay for each of said line circuits responsive to the actuation of the switchhook on one of said line circuits for extending said one of said line circuits to said link circuit, said relay operating also upon the actuation of said selector switch to the terminal individual to the said one of said line circuits in response to the initiation of a call on another of said line circuits to cause the connection of said link circuit to the said one of said line circuits.

2,152,770

DRYING METHOD AND APPARATUS

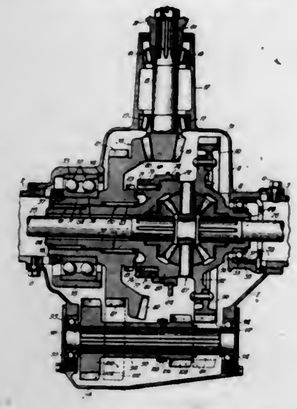
Bernard Offen, Chicago, Ill.

Application February 14, 1935, Serial No. 6,453
10 Claims. (Cl. 34—48)



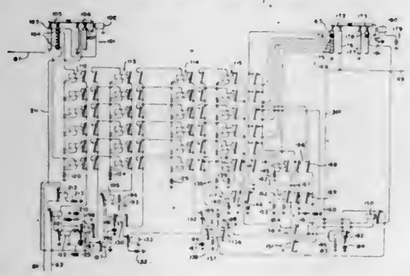
8. A method of drying a freshly printed paper web which consists in forcing a current of air along the freshly printed side of the web while substantially confining said air current to said printed side, and then exhausting the air current away from said web, the rate of exhaust exceeding the rate of supply of air by said current.

2,152,771
TWO-SPEED REAR AXLE
Donald D. Ormsby, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 16, 1936, Serial No. 69,032
21 Claims. (Cl. 74—327)



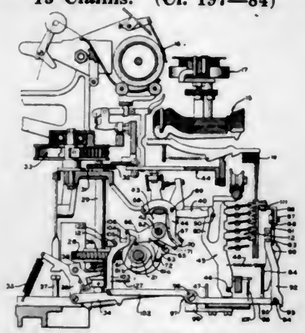
1. A two speed driving axle for automotive vehicles and the like comprising an axle housing, a differential case rotatably mounted therein, a gear member fixed to said differential case, a driving gear rotatably mounted on said differential case and in concentric relation with respect thereto, a clutch member movably carried by said differential case in a position between said driving gear and said gear member and shiftable into a position for directly connecting said driving gear with said differential case, means for actuating said driving gear and gear change means operable simultaneously with said clutch member for connecting said fixed gear member to said driving gear after said clutch member has been shifted out of engagement with the driving gear so as to drive said differential case from said driving gear through said gear change means.

2,152,772
TRANSLATING REPEATER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 10, 1936, Serial No. 104,968
27 Claims. (Cl. 178—2)



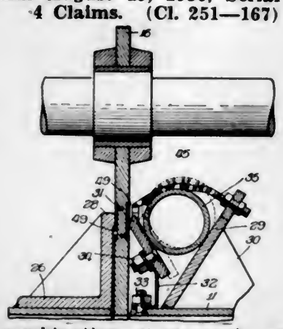
23. The method of transposing telegraph signals from a code having a predetermined number of selecting conditions into a code having a lesser number of conditions which consists in identifying one of said predetermined selecting conditions by a code signal of the lesser number of conditions, establishing said last mentioned code signal of the lesser number of conditions, and thereafter transmitting with each code signal a selective condition indicative of said code signal until a change occurs in said one of said conditions.

2,152,773
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 27, 1935, Serial No. 51,751
13 Claims. (Cl. 197—84)



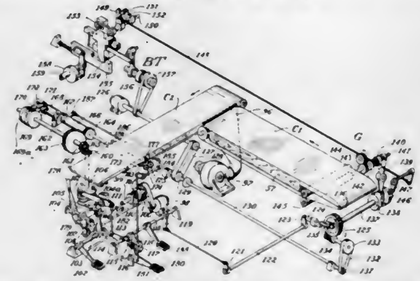
1. In a recorder, printing instrumentalities, means movable to form character spaces, and cam actuated means for inserting automatically at predetermined points and independently of the printing instrumentalities an additional character space, said last recited means including further cam means to actuate said first recited means.

2,152,774
VALVE CONSTRUCTION
Jay J. Seaver, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application August 19, 1936, Serial No. 96,769
4 Claims. (Cl. 251—167)



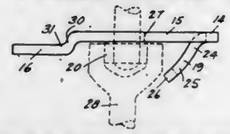
1. In combination, a gas main with a fixed gap therein and a goggle valve pivoted adjacent the main and having open and closed portions adapted to be selectively interposed in said gap, a circular fixed abutment member carried by one end of the main adjacent the gap, said member having a portion extending outwardly from the main and substantially parallel with the valve, a second abutment member movably connected to the main adjacent the second side of the gap and extending angularly outward toward the valve, a fixed thrust ring secured to the main adjacent the second abutment and extending angularly outward away from the valve, a wedging ring between the second abutment and thrust ring, means for positively expanding and contracting said ring, means connecting the second abutment and wedging ring whereby the second abutment is positively drawn away from the valve member when said thrust ring is expanded, and means for centering the wedging ring relative to the main when said ring is expanded, said means comprising fixed supports spaced from the ring when the ring is contracted.

2,152,775
SYSTEM FOR MAKING AND/OR WRAPPING BOXES
John S. Stokes, Huntingdon Valley, Pa., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa., a corporation of Pennsylvania
Application January 18, 1937, Serial No. 121,117
35 Claims. (Cl. 93—54.2)



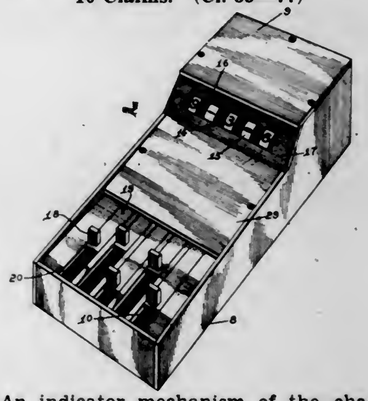
1. In a system comprising sheet-applying mechanism, a conveyor for transporting assemblies comprising box-structure and partially applied sheet material toward said sheet-applying mechanism, means for effecting intermittent operation of said conveyor in timed relation to said sheet-applying mechanism, an intermittently operated second conveyor for transporting said assemblies from an assembly station and during each movement delivering one of said assemblies directly onto said first conveyor, and means effecting operation of said second conveyor when said first conveyor is at rest.

2,152,776
FLOOR CLIP
Sven J. Strid, Chicago, Ill., assignor to T & S Corporation, Chicago, Ill., a corporation of Illinois
Application February 3, 1939, Serial No. 254,489
6 Claims. (Cl. 189—35)



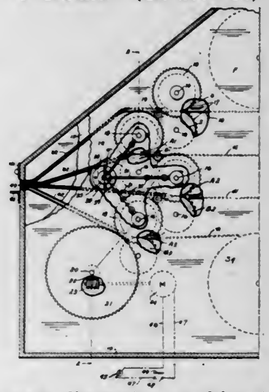
1. A floor clip comprising a metal body portion having an opening therethrough adapted to receive a bolt and provided at one end with a portion adapted to lap a frame member and clamp a floor board thereto, and a tongue integral with and struck up from a recess in the clip extending from a tongue base line in a portion of the clip relatively remote from said opening to a line relatively close to said opening, leaving a portion of metal between said opening and recess, said tongue extending approximately diagonally from said base line toward the axis of said opening and terminating at its free end in an edge including a straight line shoulder approximately normal to the length of the tongue and spaced lengthwise of the clip far enough from the edge of the opening to permit a nut to be turned on said bolt by a socket wrench or the like, whereby said tongue is adapted to be bent toward the clip by a blow from a hammer or the like to bring said shoulder into locking relation with a side of said nut.

2,152,777
INDICATOR MECHANISM FOR EDUCATIONAL PURPOSES
Walter B. Swindell, Columbia, S. C.
Application July 25, 1938, Serial No. 221,175
10 Claims. (Cl. 35—77)



1. An indicator mechanism of the character described comprising a suitable support, a shaft mounted on the support parallel with its base, a wheel journalled on said shaft and having characters marked on the perimeter thereof, a pinion carried by the wheel, and a rack bar for actuating said pinion slidably mounted on the support parallel with its base, substantially as set forth.

2,152,778
PAPER DISPENSING MACHINE
Alexander F. Tingle, Denver, Colo.
Application March 21, 1938, Serial No. 197,186
9 Claims. (Cl. 270—52)



1. In a paper dispensing machine, in combination, a frame having spaced frame members, provided with pairs of bearings, a plurality of pairs of feed rollers having shafts journaled in bearings in the frame members, the rolls of each pair being interconnected by gears to effect simultaneous rotation in opposite directions, one roller of each pair being connected with the corresponding

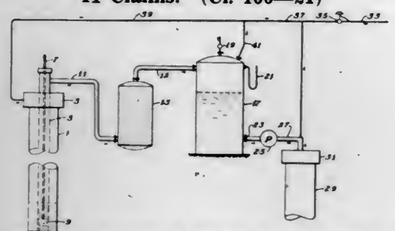
roller of the adjacent pair of spur gears, the spur gear on the uppermost pair of rolls being non-rotatably attached to the roller shaft, the gears associated with the pairs of rollers below the uppermost being rotatable on the shafts, a clutch mechanism for effecting a non-rotatable connection between each gear and its shaft, means for opening and closing the clutches in a predetermined order, means for supplying two sheets of typewriter paper, separated by a sheet of carbon paper, to the uppermost pair of feed rollers, means for supplying a sheet of carbon paper and a sheet of typewriter paper to each of the other pairs of feed rolls, means comprising an electric motor for rotating the feed rolls, and means for stopping the motor after the feed rolls have been rotated through a predetermined angular distance.

2,152,779

METHOD AND APPARATUS FOR WATER-DRIVE PRODUCTION OF MINERAL OIL

Cary R. Wagner and Richard H. Carr, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application July 6, 1937, Serial No. 152,087
11 Claims. (Cl. 166—21)



1. In the transfer of water into an earth bore, the method of preventing clogging of said earth bore into which is injected said water containing soluble compounds which precipitate upon oxidation which comprises maintaining the water at its source under a blanket of inert gas, transferring the water from its source to the injection bore in the absence of air or oxygen, and injecting the water, without treatment to remove said compounds therefrom, into the injection bore under a blanket of inert gas.

2,152,780

SHIELD FOR ELECTRICAL SPRING CONTACTS

Clyde H. Wheeler, Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 14, 1937, Serial No. 120,464
4 Claims. (Cl. 200—168)



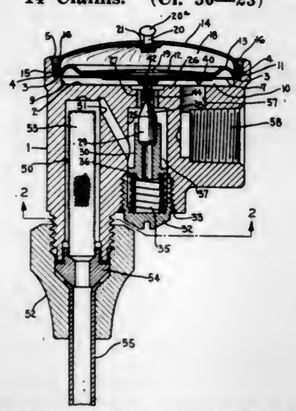
1. In a coin collector, a vertical spring pile-up comprising a plurality of spring members, fastening means for the lower ends of said members including an insulating spacer between the lower ends of two of said members, the upper free ends of said members having adjacent electrical contacts and a hood surrounding the upper ends of said members, said hood having an extension arm contacting with said spacer and loosely supported thereby to freely permit lateral movement of said hood when the upper free ends of said springs are moved laterally.

2,152,781

CONTROL DEVICE

Daniel D. Wile, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 13, 1935, Serial No. 10,952
14 Claims. (Cl. 50—23)



1. An expansion valve comprising a body portion having an inlet port and an outlet port, a valve port in said body portion providing communication between the inlet and outlet ports, a reciprocal valve in said body portion for cooperating with said valve port to control flow of fluid therethrough, means in said body portion for urging said valve toward closed position, a housing member mounted on said body portion, a diaphragm disposed between said body portion and said housing member and flexible to move said valve toward open position, said diaphragm and said housing member cooperating to provide a closed hermetically sealed pressure chamber, a quantity of inert gas contained in said chamber at a predetermined desired constant pressure operable for flexing said diaphragm to open the valve when the pressure on the other side of said diaphragm decreases below a predetermined pressure, and means securing said housing member and said diaphragm to said body portion and hermetically sealing said pressure chamber.

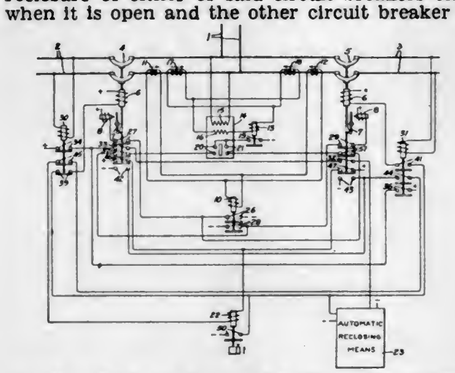
2,152,782

CIRCUIT BREAKER CONTROL SYSTEM

Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application January 21, 1938, Serial No. 186,093
6 Claims. (Cl. 175—294)

1. In combination, a load circuit, two supply circuits, a separate circuit breaker between said load circuit and each supply circuit, means responsive to a fault on said load circuit for opening both of said circuit breakers, means responsive to a fault on either supply circuit for effecting the opening of only the circuit breaker between the faulty supply circuit and the load circuit, means controlled by said circuit breakers for effecting the simultaneous reclosure of said circuit breakers a predetermined time after they are both in their open positions, and means controlled by said circuit breakers for effecting the reclosure of either of said circuit breakers only when it is open and the other circuit breaker is



closed and the voltages of both supply circuits are above predetermined values.

2,152,783

STRINGED MUSICAL INSTRUMENT

George D. Beauchamp, Los Angeles, Calif., assignor to Electro String Instrument Corporation, Los Angeles, Calif., a corporation of California

Application May 26, 1936, Serial No. 81,826
15 Claims. (Cl. 84—313)



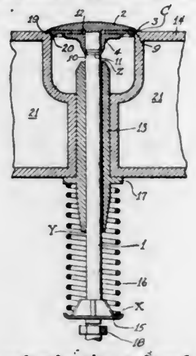
1. In a musical instrument having a tensioned vibratory string, apparatus for producing tremolo effects comprising, an element having bearing engagement with the string to define its effective tone producing length, an inclined surface supporting the element for compound movement in the direction of the longitudinal axis of the string and the direction of the force exerted on the element by the string, and means for moving the element on said surface.

2,152,784

COMPENSATING POPPET VALVE

Royden Birrell, Sacramento, Calif.

Application September 7, 1937, Serial No. 162,583
9 Claims. (Cl. 123—188)



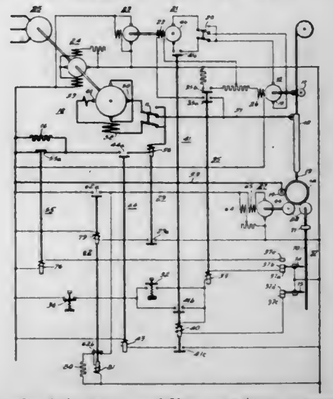
1. A poppet valve having a head movable laterally with respect to the valve stem in any direction and means carried by the stem for maintaining the axis of the head parallel with the stem axis at all times and for preventing the head from swinging into an angular position with respect to the stem.

2,152,785

AUTOMATIC WELDING CONTROL

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 9, 1937, Serial No. 147,247
20 Claims. (Cl. 219—8)



1. An electric arc welding system comprising, a welding circuit including an electrode and work upon which a welding operation is to be performed, means for feeding the welding electrode to normally maintain an arc of substantially constant length with work, switch means operable to initiate the cessation of a welding operation, and control means responsive upon the operation of the switch means to control the feeding means to maintain an arc of different length, and means operative on the completion of predetermined conditions to interrupt the welding circuit.

2,152,786

PREPARATION OF ACETOACETYL AROMATIC ACID AMIDES

Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application July 9, 1936, Serial No. 89,778
14 Claims. (Cl. 260—562)

9. Method for producing an acetoacetyl aromatic amide, which comprises reacting diketene and a primary amine selected from the group consisting of the aromatic monoamines having more than six carbon atoms in their molecules, the aromatic polyamines, and the substituted aromatic amines in which there is directly attached to at least one carbon atom of a benzene ring a radical selected from the group consisting of hydroxyl, nitro, and alkoxy radicals, in the presence of a solvent inert to the reactants, and recovering from the resultant reaction mixture the acetoacetyl aromatic amide thus produced.

2,152,787

PREPARATION OF ACETOACETYL AROMATIC ACID AMIDES

Albert B. Boese, Jr., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application September 28, 1937, Serial No. 166,127
10 Claims. (Cl. 260—562)

1. Process for preparing an acetoacetyl aro-

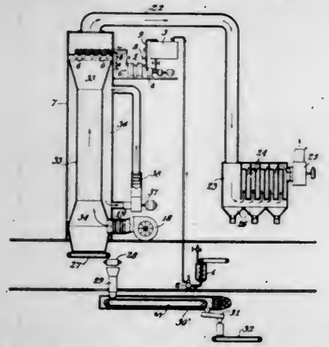
matic acid amide, which comprises heating and reacting diketene with a primary aromatic amine selected from the group consisting of amines having at least two directly interconnected benzene nuclei in the molecule, and those substituted aromatic amines in which there is directly attached to a carbon atom of the ring at least one halogen radical, in the presence of a solvent inert to the reactants, and recovering from the resultant reaction mixture the acetoacetyl aromatic acid amide thus produced.

2,152,788

SOAP PRODUCT AND THE MANUFACTURE THEREOF

William H. Burkhart, Baltimore, Md., and Eugene T. Marceau, Maplewood, N. J., assignors to Hecker Products Corporation, a corporation of New Jersey

Application May 24, 1933, Serial No. 672,724
Renewed September 23, 1938
15 Claims. (Cl. 87—16)



1. A spray dried soap product comprising aggregates consisting of minute sprayed particles cohering together with interstices therebetween and without external void-defining shells, said aggregates being formed by the accretion of said minute particles and the cohesion thereof upon impingement while in suspension in a gaseous medium, said aggregates being subsequently dried while in suspension in a gaseous medium to reduce the plasticity thereof and prevent the adhesion of said aggregates to each other upon emergence from said medium, certain of said aggregates being of such size as to pass through a 60 mesh sieve and others comprising accretions of particles sufficient in quantity to prevent passage through a 60 mesh sieve but capable of passing through a sieve of 40 mesh.

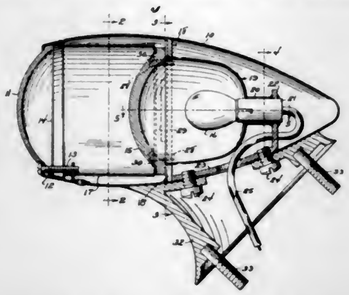
2,152,789

SIGNALING DEVICE

Hylas M. Butler, Lewis, Kans.

Application November 16, 1936, Serial No. 111,134
1 Claim. (Cl. 177—329)

A signal lamp for motor vehicles comprising an elongated casing, a supporting ring fixed at its outer periphery to the inner surface of the casing substantially midway between the ends of the casing, a lens mounted in the front end of the casing, a signal lens of distinctive color disposed in front of said ring and having a flange overlapping said ring, a cylindrical reflector mounted in the casing between both lenses and having radially extending tabs overlapping the front face of the flange of the signal glass lens, a reflector having a lamp bulb in rear of the signal glass lens having radially extending tabs engaged between the rear face of the flange of the signal lens and the front face of said supporting ring, the lamp bulb reflector being provided with forwardly extending flanges between the tabs for engaging the peripheral edge of the flange of the signal glass



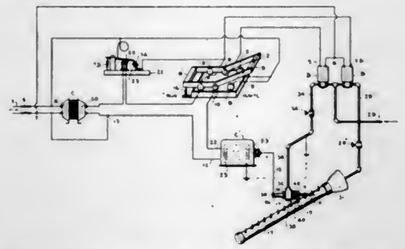
lens to maintain the signal glass lens centered on the lamp reflector, and bolts passed through the tabs of the cylindrical reflector and the tabs of the lamp reflector and through notches in the peripheral edge of the signal glass lens, said bolts being threadedly engaged in said securing ring to assemble the parts.

2,152,790

AUTOMATIC SAFETY PILOT BURNER

James K. Clark, Utica, N. Y., assignor to The Partlow Corporation, New Hartford, N. Y., a corporation of New York

Application September 17, 1936, Serial No. 101,247
6 Claims. (Cl. 158—117.1)



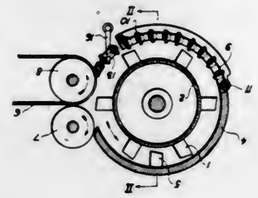
1. In combination, a pilot burner, spaced electrodes disposed adjacent to said pilot burner and adapted to have gas pass around and between them, a heating burner capable of burning a mixture of gas and air, an electrical control system for said pilot burner including an electrically actuated valve for passing gas to said pilot burner, a second electrical control system having included therein said spaced electrodes and means for passing sparks across said electrodes for igniting the gas flowing to said pilot burner, a third electrical control system for said heating burner including an electrically actuated valve for passing gas to said heating burner, when and only when a flame is present at said pilot burner, said third electrical control system including means controlled by the resistance offered by the burning gas of said pilot burner between said electrodes for varying all of said control systems to stop the operation of said burners, said control systems including a single biased rockable switch element serving when operated in one position to ignite said pilot burner and when operated in another position to maintain said pilot burner flame and the heating burner flame.

2,152,791

DEVICE FOR DISINTEGRATING TOBACCO LEAVES

Ruben Dahlström, Alsten, and Bertil Rothelius, Stockholm, Sweden, assignors to Aktiebolaget Formator, Stockholm, Sweden, a joint-stock company of Sweden

Application October 26, 1936, Serial No. 107,674
In Sweden October 25, 1935
9 Claims. (Cl. 131—60)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



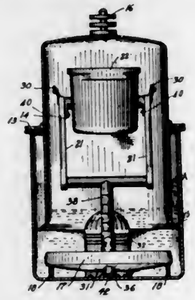
1. In a device for disintegrating tobacco leaves and separating soft leaf parts from stems, a rotatable leaf breaker member, leaf disintegrating members, outwardly projecting teeth arranged on said breaker member to pass between and in spaced relationship to said disintegrating members, the interaction of the teeth and disintegrating members serving to loosen the soft leaf parts from the stems and to arrange the stems peripherally of the breaker member, and a plurality of rotatable rods forming a lattice having slots extending longitudinally of the rotary axis of said breaker member, the soft leaf parts tending to adhere to the rods, the rods being rotated by movement of the tobacco mass in the device, whereby the rods tear the parts adhering thereto loose from the stems and discharge said parts through the lattice, while the stems which extend transversely of the rods are retained in the device.

2,152,792

COFFEE MAKER

Harold G. Davis, Denver, Colo.

Application March 29, 1937, Serial No. 133,564
7 Claims. (Cl. 53—3)



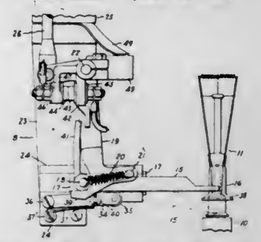
1. A coffee maker comprising: an open topped outer container; an open bottomed inner container vertically movable in said outer container; a coffee receiver in said inner container; and means for discharging the coffee from said receiver, said means being operable by the descending movement of said inner container.

2,152,793

SEALING-IN MACHINE

John F. Donovan, East Cleveland, and Frank J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York

Application July 17, 1936, Serial No. 91,116
7 Claims. (Cl. 49—2)



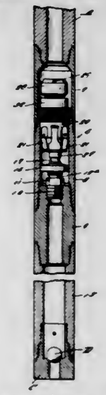
5. In a device of the class described, the combination of a turret constructed and arranged to be indexed and having a plurality of heads thereon for supporting stems, stem detecting means comprising a slide disposed adjacent to the path of travel of said heads, a finger pivotally mounted on said slide, supporting means for holding said finger in a substantially horizontal position, means for advancing said slide to move said finger into a position adjacent to a stem in one of said heads, means for lowering said supporting means to cause the said finger to drop into engagement with a portion of said stem or, in the absence of a stem, through the position normally occupied thereby, a pair of contacts mounted adjacent to said finger and normally in engagement with each other, said contacts being separated by said finger upon movement thereof through the position normally occupied by a stem, an electrical circuit including said contacts, means including a clutch for causing further operations to be performed with respect to the stems in said heads and means connected in said electrical circuit for causing said clutch to be disconnected upon separation of the said contacts.

2,152,794

OIL WELL SAMPLE TAKING MEANS

Harold Dripps, Lake Charles, La.

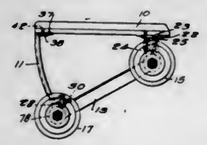
Application February 8, 1938, Serial No. 189,462
3 Claims. (Cl. 166—19)



1. In a valve structure of the class described, a relatively stationary valve seat, a valve unit cooperable therewith, said valve unit including a tubular stem, a sleeve slidably fitted over said

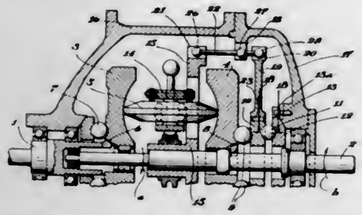
stem, said sleeve being provided with an apertured head, said sleeve and head constituting a remote controlled weight tripped actuator device, and spring return means for said sleeve, said sleeve being provided with successively operable cam surfaces, and pivoted cam surfaced latches surrounding said cam surfaces, said latches including detents, said sleeve being provided with keeper channels for reception of said detents.

2,152,795
MOVING STAIRWAY
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1937, Serial No. 150,492
3 Claims. (Cl. 198—16)



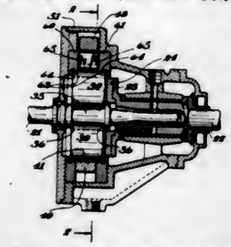
1. A moving stairway step comprising a pair of end bars, a cross member connecting the front ends of the end bars, a curved sheet metal riser having its edges bent inwardly to a position substantially at right angles to its body, a brace bar secured to the inner upper surface of the lower bent-in edge of the riser, a metal bar secured to the inner face of the upper in-turned edge of the riser, means connecting the lower edge of the riser to the rear ends of the end bars, a step tread, means for mounting the step tread with its front portion on the cross member and its rear portion supported solely on the riser, a plurality of rollers, and means for attaching the rollers to the end bars to support the step on a track.

2,152,796
VARIABLE SPEED TRANSMISSION
Richard Erban, New York, N. Y., assignor to Erban Patents Corporation, New York, N. Y., a corporation of New York
Application March 13, 1935, Serial No. 10,777
29 Claims. (Cl. 74—208)



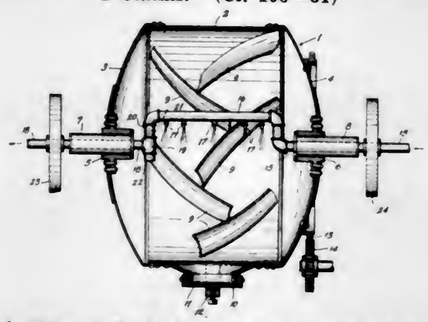
1. In a power transmission system having a toric driving race and a toric driven race and rollers in adhesive driving contact with said races for transmitting power therebetween, a carrier for said rollers adapted for angular displacement about the axis of the races, a torque loading means associated with said races and adapted to generate an axial pressure to maintain the adhesive driving contact between said races and rollers, said torque loading means comprising a pivotally mounted element, and a member associated with the roller carrier and said pivotally mounted element and adapted to transmit motion from the roller carrier to said element.

2,152,797
TRANSMISSION
Richard Erban, New York, N. Y., assignor to Erban Patents Corporation, New York, N. Y., a corporation of New York
Application January 15, 1936, Serial No. 59,172
10 Claims. (Cl. 74—302)



1. In a friction transmission system: coaxial races, one of which is in the form of a deflectable ring; rolling bodies interposed between the races and frictionally engaging the surface of each of the races, said deflectable ring being floatingly supported by said rolling bodies, the axes of the rolling bodies being substantially parallel to the axis of the races, said rolling bodies projecting axially beyond said deflectable ring; and a bearing member mounted adjacent to said deflectable ring and having an annular bearing surface with which the projecting rolling bodies make rolling engagement to be supported against forces directed radially of the races.

2,152,798
METHOD OF MAKING COMPOSITE PAVEMENTS
James G. Fuller, Chicago, Ill., assignor to National Fin-Mix Corporation, St. Louis, Mo., a corporation of Illinois
Application August 28, 1936, Serial No. 98,313
4 Claims. (Cl. 106—31)



1. In a method of preparing paving material, the steps of supplying an aggregate free of binder in a container to be mixed, discharging the air from said container and supplying a non-oxidizing gas therein and about the aggregate in its stead, and adding bituminous binding material to said aggregate in said container in the presence of said non-oxidizing atmosphere.

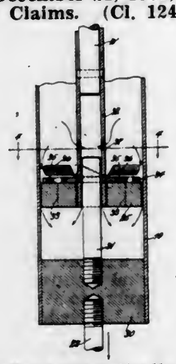
2,152,799
ARTICULATED RAILWAY TRUCK
Edward Gray, Detroit, Mich.
Application February 8, 1937, Serial No. 124,550
11 Claims. (Cl. 105—175)

1. In combination, a member adapted to support a locomotive body, a plurality of wheeled trucks for supporting said member, there being two fore and two aft trucks, the two fore trucks being secured to said member at a point therebetween for movement with respect thereto about a vertical axis, the two aft trucks being connected



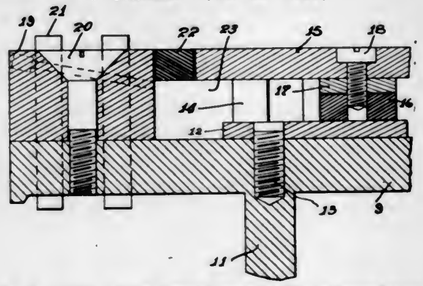
to said member at a point therebetween for movement about a vertical axis, and a truck between the fore and aft trucks and articulately connected to the innermost of the fore and aft trucks respectively.

2,152,800
CONTROL MECHANISM
William F. Gresham, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
Application December 21, 1935, Serial No. 55,529
6 Claims. (Cl. 124—33)



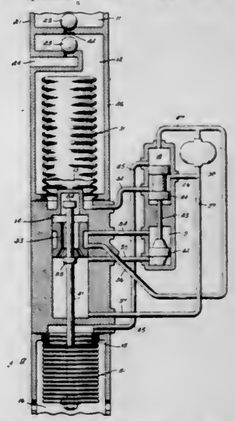
1. A device for automatically initiating the operation of mechanism, comprising, operated means, an actuator therefor, means for energizing said actuator, releasable means normally obstructing operation of said actuator, fluid retarded means for releasing said obstructing means, means for varying the retarding effect of the fluid, and automatic means operated by the fluid for shifting said varying means.

2,152,801
PLATE GLASS SURFACING TABLE
Alfred L. Harrington, Rosslyn Farms, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 29, 1938, Serial No. 198,675
7 Claims. (Cl. 51—240)



1. A plate glass surfacing table comprising a metal body portion with a flat rectangular upper face, a false top for the table comprising a metal plate above said face, positive spacing members distributed over said face and bearing against the lower surface of said plate for supporting it in parallel with said face, rubber tension blocks between said face and plate having one of their sides anchored with respect to said face, and means carried by the plate for applying tension to the blocks so that the plate is pulled yieldingly against the spacing members.

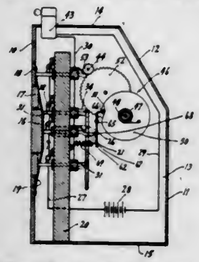
2,152,802
PUMPING MECHANISM
Ford W. Harris, Los Angeles, Calif.
Application July 2, 1937, Serial No. 151,681
7 Claims. (Cl. 103—46)



1. In a pumping mechanism, the combination of: an eduction pipe through which liquid is to be raised; walls forming a pump chamber; a standing valve adapted to close an opening leading from said pump chamber to a source of liquid supply in such a manner as to prevent liquid from flowing from said pump chamber to said source, said standing valve being so constructed as to permit a free flow of liquid from said source to said chamber; a working valve adapted to close an opening between said pump chamber and said eduction pipe in such a manner as to prevent liquid from flowing from said eduction pipe to said chamber, said working valve being so constructed as to permit liquid to flow freely from said chamber into said eduction pipe; a primary expansible member forming a deformable fluid-tight wall between said pump chamber and a primary expansion space, said member being so placed that upon expanding it decreases the amount of fluid in said pump chamber and increases the amount of fluid in said primary expansion space; a secondary expansible member forming a fluid-tight wall of a secondary expansion space and separating the fluid in said secondary expansion space from the fluid of the source of supply; a pressure producing means adapted to deliver fluid from an exhaust space to a pressure space in such a manner that the fluid in said pressure space is at a higher pressure than the fluid in said exhaust space; a main valve adapted when in one or first extreme position to connect said pressure space with said primary expansion space and in the other or second extreme position to connect said exhaust space with said primary expansion space; and means for moving said valve from a first extreme position to its other or second extreme position as said secondary expansible member approaches its fully

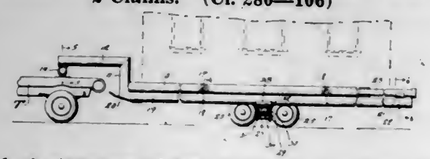
expanded position and then moving said valve from its second to its first position as said secondary expansible member approaches its fully collapsed position.

2,152,803
BULL'S-EYE TARGET
Irving James Hawkins, St. Paul, Minn., assignor of one-half to Caroline Hochbaum, St. Paul, Minn.
Application July 21, 1937, Serial No. 154,851
1 Claim. (Cl. 273—102.2)



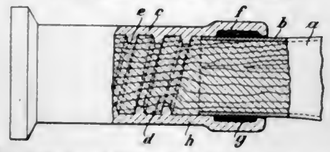
A device of the character described, comprising a target member adapted to be actuated by being struck, a lamp, a fixed contact member, a supporting member, a slidable contact member adapted to be engaged with said fixed contact member in response to actuation of said target member, a circuit including said lamp, said fixed contact member and said slidable contact member, said circuit being adapted to be closed in response to movement of said slidable contact member into engagement with said fixed contact member by actuation of said target member, resilient means for normally maintaining the target member in a predetermined position and for returning said target member to its normal position immediately after actuation of the target member by being struck, and adjustable means upon said supporting member for controllably removing said slidable contact member from said fixed contact member to adjustably regulate the interval of time said circuit remains closed after movement of said slidable contact member into engagement with said fixed contact member after actuation of said target member, said adjustable means being constituted as a coil spring disposed in substantially right-angle relation to said slidable contact member, adjustably mounted upon said supporting member in spaced relation to said slidable contact member and secured to the slidable contact member.

2,152,804
TRUCK FOR MOVING BUILDINGS
James L. Hays, Seminole, Okla.
Application March 8, 1938, Serial No. 194,683
2 Claims. (Cl. 280—106)



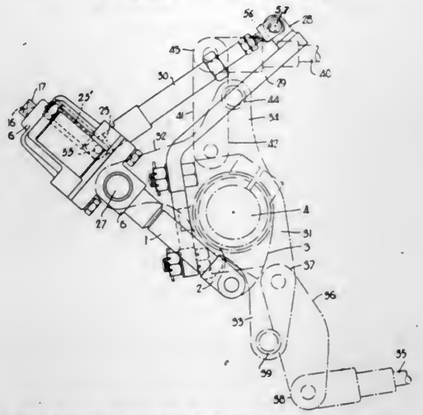
1. A structure of the character described, including a frame comprising a pair of laterally spaced longitudinally extending tubular beams, a second pair of longitudinally extending tubular beams disposed below and rigidly engaged with the first-named beams and extending beyond the first-named beams, the rear ends of the second-named beans having transversely curved rests mounted thereon, and auxiliary beams insertible into the upper pair of tubular beams and supported by said rests whereby to increase the effective length of the structure.

2,152,805
AIR PROPELLER
Ludwig Hoffmann, Berlin-Hermsdorf, Germany, assignor to Gustav Schwarz Kommanditgesellschaft, Berlin, Germany, a German company
Application November 2, 1937, Serial No. 172,361
In Germany November 4, 1936
3 Claims. (Cl. 170—159)



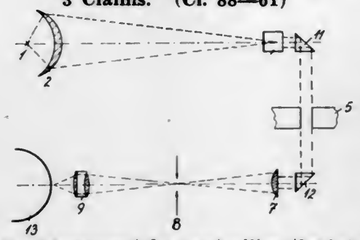
1. The herein described propeller, comprising a blade composed of a metallic sleeve, the portion of said root located within said sleeve having a surface permitting the access of humidity into the same, a body made from non-metallic material having its root permanently fixed within said sleeve, and a packing medium in position for preventing access of foreign matter to the inner part of said sleeve and the said root.

2,152,806
AUTOMATIC SLACK ADJUSTER
Arthur G. Kershaw and Kenneth H. Leech, London, England, assignors to Westinghouse Brake & Signal Company, Limited, London, England
Application January 10, 1939, Serial No. 250,122
In Great Britain December 18, 1937
6 Claims. (Cl. 188—202)



1. An automatic slack adjuster device for controlling the slack in a brake rigging comprising a rotatable screw, a nut having screw-threaded engagement with said screw and operative upon rotation of said screw in one direction to reduce the slack in said rigging, ratchet means controlled by the slack in said brake rigging and automatically operative upon a chosen increase in said slack to rotate said screw to reduce said slack, reset means associated with said screw adapted to be operated by a removable, manually operative tool for turning said screw in the reverse direction, and means operable upon application of said tool to said reset means to release said ratchet means and upon removal of said tool from said reset means to automatically render said ratchet means effective.

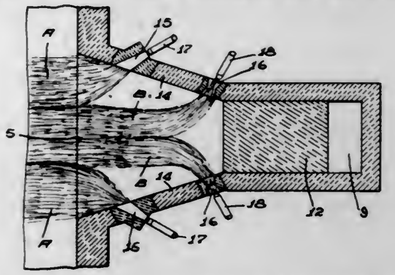
2,152,807
ARRANGEMENT FOR LIGHT INTENSITY CONTROL
Kurt Klingsporn, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application January 23, 1935, Serial No. 3,027
In Germany January 26, 1934
3 Claims. (Cl. 88—61)



1. An arrangement for controlling the intensity of a large cross-section bundle of light comprising polarizing and analyzing means of the type in which complete polarization takes place located in the path of said bundle, a controlling element comprising a medium of controllable doubly refractive properties and an electrode system consisting of two equipotential structures, said controlling element being interposed in the path of said bundle between said polarizing and said analysing means to control the intensity of light allowed to pass through said analyzing means without appreciably varying the direction of light rays, and a surface diaphragm formed by a plurality of surfaces each of which may be completely swept over by a straight line parallel to the optical axis of the total device if said straight line is one-dimensionally displaced parallel to itself, said surfaces forming at least one set in which every two of said surfaces have one uniform distance throughout, the distance between every two adjacent surfaces of one set being small, said surface diaphragm being located in the path of said bundle and centered with respect to the optical axis of the total device in planes parallel to said axis and perpendicular to said surfaces by the rays passing through said diaphragm, a diaphragm having an aperture corresponding in shape to the luminous area to be finally produced, an optical reproducing system for producing an image of said aperture, and a condenser lens for reproducing the cross-section of said controlling element onto said aperture, said condenser lens having a very large focal distance to cause the divergence of the rays of said bundle passing through said aperture to remain so small that all of said rays are taken up by said optical reproducing system.

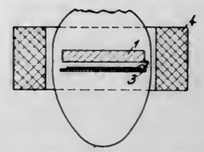
2,152,808
FURNACE PORT CONSTRUCTION
Karl G. Kutchka, Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 4, 1938, Serial No. 193,958
8 Claims. (Cl. 263—15)

1. In combination in a furnace having means for preheating the air used for combustion and a horizontally elongated port opening, a passageway for conducting the heated air to the opening, such passageway having its top wall inclined upwardly from the horizontal from the port opening back a substantial distance, a pair of gas passages through the side walls of the passageway adjacent the port opening and the bottom of the passageway, a second pair of gas passages through the side walls of the passageway to the rear of the first pair of passages and at a higher level than such passages, and gas supply



pipes for delivering combustible gas under pressure through all of said passages, all of said pipes being positioned transverse to the longitudinal center line of the passageway and inclined so that they deliver toward the port opening, with the angle of inclination of the pipes delivering through second pair of passages less with respect to the longitudinal center line of the passageway than that of the pipes delivering through the other pair of passages.

2,152,809
METHOD OF PRODUCING FINELY DIVIDED METALLIC LAYERS
Gerhard Liebmann, Berlin, Germany
Original application May 28, 1935, Serial No. 23,845. Divided and this application December 21, 1935, Serial No. 55,633. In Germany May 31, 1934
2 Claims. (Cl. 250—27.5)

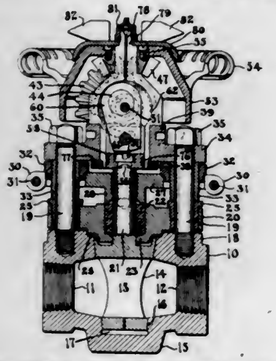


1. In the process of manufacturing a photoelectric mosaic screen for television transmission tubes, the steps of coating a thin mica plate by thermal vaporisation of silver in vacuum with a transparent silver layer of approximately —.5 micron in thickness, and of granulating this layer into fine areas by heating the plate in a rarified atmosphere containing oxygen to a temperature below 500° C.

2,152,810
ROTARY PLUG VALVE
Edwin C. McFarlane, Pearl River, and Edward Levy, New York, N. Y., assignors to McLevy Valve Co. Inc., New York, N. Y., a corporation of New York
Application November 1, 1937, Serial No. 172,072
8 Claims. (Cl. 251—97)

1. In a valve, the combination of a casing having a plurality of ports, a plug-cock for controlling communication between said ports, an operating stem on said plug, a yoke mounted on said

casing, a rotary turret journalled on said yoke, a pair of sector gears journalled on said turret, a pair of eccentrics within the turret and operatively connected with said gears, a pinion journalled on the turret and meshing with said gears, an operating handle for rotating said pinion, a pair of toggle-links pivoted on the plug stem pro-



jecting into the turret and operatively connected with said eccentrics and whereby rectilinear movement is imparted to said stem through the rotation of said pinion and gears, and means for locking said gearing against rotation on said turret whereby rotary movement is imparted to said turret and stem.

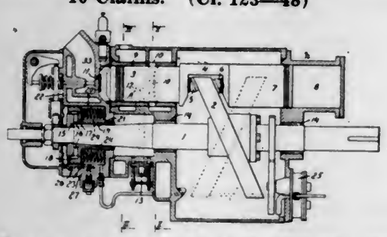
2,152,811

INTERNAL COMBUSTION ENGINE

Anthony George Maldon Michell, Melbourne, Victoria, Australia

Original application November 21, 1934, Serial No. 754,039. Divided and this application August 13, 1936, Serial No. 95,799. In Canada October 9, 1935

10 Claims. (Cl. 123—48)



1. In a compression ignition engine having cylinders, pistons and a shaft operatively driven by the pistons, said pistons being disposed in definite, positive and constant longitudinal relation with and imposing a longitudinal load on the engine shaft, mechanism controlled automatically, acting longitudinally on the shaft and by the pressure of the gases in the engine cylinders for moving the pistons and engine shaft longitudinally uniform distances and in unison so as to vary the compression spaces of the cylinders in direct ratio with the average pressures therein, said mechanism including a thrust member on the shaft, a thrust resisting member resiliently supported on the engine frame and engaging said thrust member, and resilient means between the thrust member and the thrust resisting member for moving the shaft and pistons in one direction, the action of said resilient means being controlled by the pressure of the gases in the cylinders.

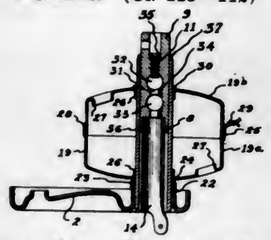
2,152,812

METHOD OF MAKING FLOAT VALVE AND HEAT INTERCHANGE MECHANISMS

Roland H. Money, Cincinnati, Ohio, assignor to The Crosley Corporation, a corporation of Ohio

Application August 11, 1936, Serial No. 95,383

2 Claims. (Cl. 113—112)



1. A process of assembling articles of the class described which comprises assembling a stem to a cap, providing a copper ring adjacent the meeting edges thereof, passing a collar over said stem to rest on said cap, locating the elements of a housing about said stem so as to rest upon said collar, providing sources of copper at all the meeting edges of said elements and brazing said elements together in a single operation.

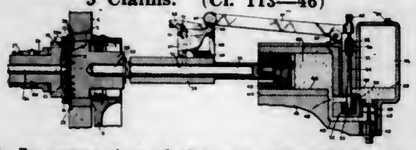
2,152,813

MEANS FOR APPLYING AND REGULATING PRESSURES

George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware

Application March 18, 1936, Serial No. 69,469

5 Claims. (Cl. 113—46)



1. In apparatus of the class described, a movable member, cam means for moving said member in one direction at a predetermined rate, automatic means for varying the resistance of said member to movement comprising a fluid chamber, said chamber being at least partially filled with an incompressible fluid, an element operatively connected to said movable member and effective to vary the volume of said fluid chamber, valve means for controlling the egress of fluid from said chamber and means controlled by movement of said movable member for actuating said valve, resilient means for moving said member in the opposite direction, and cam means for controlling the movement of said member by said resilient means.

2,152,814

DOOR CHECK

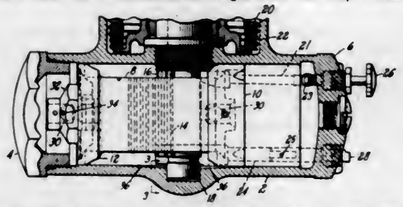
Sigurd P. Morgen, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut

Application June 15, 1938, Serial No. 213,750

1 Claim. (Cl. 16—59)

In a door-check of the class described, a piston chamber, a double-headed piston within the chamber, a check valve in each piston head whereby during the movement of the piston in either direction the flow of fluid through the advancing head is cut off and fluid is permitted

to pass through the other head, the piston head that advances during the opening of the door having a by-pass therein, said chamber having a longitudinally extending recess in the inner side of its wall extending from near the center of the chamber toward the end of the chamber opposite the last-mentioned piston head, said re-



cess having its cross-sectional area gradually restricted from its inner end to its outer end whereby during the first part of the door-opening movement of said piston head the fluid is free to flow through said recess, the flow being gradually cut off as the head passes over said recess until it is finally cut off upon said head of the piston passing the outer end of said recess.

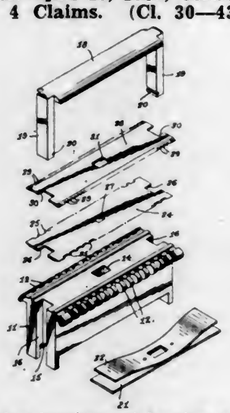
2,152,815

SHAVING IMPLEMENT

Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application April 10, 1936, Serial No. 73,735

4 Claims. (Cl. 30—43)



1. A shaving implement having a member with upwardly curved guard teeth arranged along its opposite edges, a cap having downwardly extending legs engaging said member, and a pair of co-operating replaceable blades disposed between said guard teeth, arranged for relative endwise reciprocation and being superposed in face to face engagement and shaped to make interlocking engagement with said legs.

2,152,816

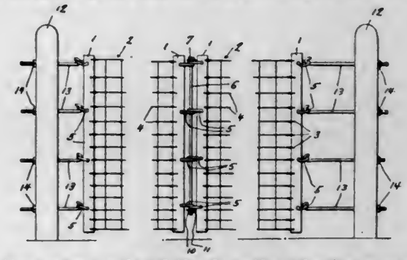
WIRE FENCE

Axel Olson, Parshall, N. Dak.

Application February 28, 1938, Serial No. 193,145

1 Claim. (Cl. 256—24)

A fence comprising, in combination, a pair of posts, hooks extending through said posts, lengths of woven wire mounted between the posts, metallic bars mounted on the ends of said lengths of wire, links loosely mounted on the bars on the inner ends of the lentghs of wire adapted to extend in overlapping relation to each other, a removable rod extending through the overlapping portions of said links for coupling said links and connecting the lengths of said wire, means on the end portions of the rod for retaining same in the links, a plurality of spaced links on the bars



on the outer ends of the lengths of wire engaged in the hooks, and nuts threadedly on the shanks of the hooks and engaged with the posts, said nuts constituting means for securing the hooks in the posts and for adjusting said hooks for tightening the lengths of wire.

2,152,817

MULTIPLE LEAD PENCIL

Hans Reusch, Pforzheim, Germany

Application May 18, 1938, Serial No. 208,572

In Germany June 10, 1937

9 Claims. (Cl. 120—14)



1. A multiple lead pencil, comprising in combination a pencil casing having a plurality of longitudinal slots, a plurality of guides in said casing, a plurality of lead holders corresponding to the number of guides and accommodated in said casing, shanks one projecting from the rear end of each of said carriers into the corresponding guide, shifting knobs one projecting from the outer side of each of said shanks through one of said slots for shifting said holders into and out of said casing, and springs one fixed on the inner side of each of said shanks and bearing against one of said guides to press said shanks against the inner side of said casing at a corresponding slot.

2,152,818

STEP-BY-STEP MOVEMENT FOR DISPENSING APPARATUS

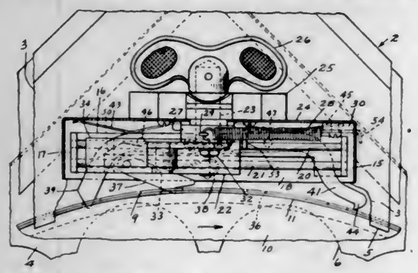
Chester A. Ropp, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application September 1, 1937, Serial No. 161,897

3 Claims. (Cl. 74—128)

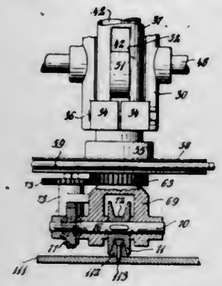
1. A step-by-step movement for a cylindrical turn table having a plurality of equally spaced

apart rectangular openings in its circumference including a base adjacent and parallel to a tangent to the turn table, a block mounted to reciprocate above said base, manually operable means to reciprocate said block, a dog pivoted at one end to said block having its free end slidably engaging the circumference of the turn table adapted to slide thereover and drop in an opening therein when the block is reciprocated in one direction and thereafter rotate the turn table as the block is reciprocated in the opposite direction, two latches pivoted upon the base adjacent and on opposite sides of the center thereof with springs normally forcing the free ends of the respective latches into sliding engagement with the cylindrical surface of the turn table, the free



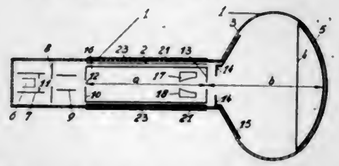
ends of said latches adapted to engage openings in the turn table to lock the turn table against rotation in either direction, pins on the upper side of each of said latches intermediate the ends coacting with a track on the under side of the block to depress the free ends from engagement with the openings in the turn table as the block starts its reciprocation to impart a movement thereto, said latches pivoted to the base by being secured to the upper ends of respective posts extending through and rotatably mounted in said base, the lower ends of each post provided with manually operable release pins adapted by manual operation to rotate the posts to withdraw the free ends of the latches from engagement with the turn table to allow a manual rotation thereof.

2,152,819
SEWING MACHINE
David Rothchild, New York, N. Y., assignor to The Palmer Brothers Company, New London, Conn., a corporation of Connecticut
Application October 27, 1937, Serial No. 171,228
5 Claims. (Cl. 112—118)



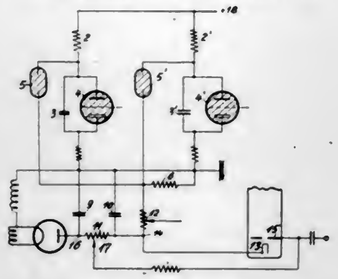
1. The combination, in a sewing machine, of fixed stitching means, a relatively movable tambour frame, a pattern, movable with the tambour frame, embodying a platen having a flexible, non-metallic raised design element thereupon and means, embodying a driven wheel provided with a circumferential, closed groove straddling the design element longitudinally and engaging frictionally therewith for moving it and the tambour frame in the lines of the design.

2,152,820
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application September 28, 1934, Serial No. 745,952
In Germany October 2, 1933
3 Claims. (Cl. 250—162)



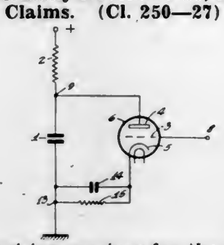
1. A Braun tube for television purposes comprising an evacuated envelope enclosing a cathode, a modulating grid mounted in the vicinity of said cathode, a plate having an aperture, said plate being mounted in the vicinity of said grid, a picture receiving screen, an electrostatical electron-optical system mounted between said plate and said screen for reproducing said aperture on said screen, one pair of deflecting coils for deflecting the cathode ray in one direction, and one pair of deflecting plates for deflecting the cathode ray in a direction perpendicular to the first said one, said deflecting plates and said deflecting coils being mounted along the same axis, said deflecting plates being mounted between said plate and said electron-optical system in close proximity to said system, the distance between said electron-optical system and said plate having said aperture being at least as great as the distance between said system and said screen.

2,152,821
CATHODE RAY TUBE APPARATUS
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application February 9, 1935, Serial No. 5,870
In Germany February 12, 1934
3 Claims. (Cl. 250—27)



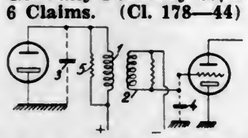
1. In a relaxation oscillation circuit comprising a direct current source, a grid-controlled gas-filled thermionic tube, a condenser and a charging resistance, a safety device consisting of a glow-discharge lamp in series with a relay, both in parallel to said tube, the igniting potential of said lamp being higher than the anode potential of the normally operating tube.

2,152,822
RELAXATION OSCILLATION FOR INTERLACED SCANNING
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application November 20, 1935, Serial No. 50,738
In Germany November 23, 1934
3 Claims. (Cl. 250—27)



1. In a television receiver for the reception of a transmission scanned at an even number of interlaced lines including a relaxation oscillation device consisting of a gas-filled discharge tube having a hot cathode, a grid and an anode, a lead to conduct to said grid the igniting synchronizing signals, a charging resistance in series and a storage condenser in parallel to said tube and means to connect the terminals of said condenser to the deflecting plates of a cathode ray tube: a timing circuit consisting of a second condenser and an impedance both in parallel to each other, one terminal of said timing circuit being connected to said cathode and the other to said storage condenser.

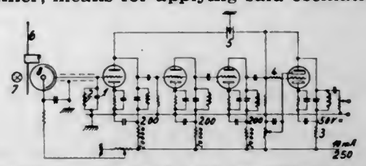
2,152,823
COUPLING TRANSFORMER
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application February 24, 1936, Serial No. 65,401
In Germany February 27, 1935
6 Claims. (Cl. 178—44)



1. A high frequency transformer for carrier-frequency amplifiers, more particularly for television purposes, having a primary winding and a secondary winding, both of said windings are tuned to the same natural frequency, said tuning being effected solely by the winding inductance and the inherent capacities, said primary winding and said secondary winding being tightly coupled, the degree of said tight coupling being made variable for the purpose to vary the width of said frequency band, said transformer windings being damped by parallel resistances so that the curve defining the transmission degree over the whole frequency band is not increased at the resonance-frequencies but has nearly the same amplitude over said whole frequency band.

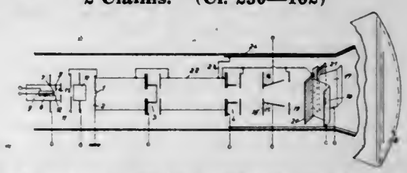
2,152,824
FILTER AMPLIFIER FOR TELEVISION SYNCHRONIZATION
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application April 2, 1936, Serial No. 72,315
In Germany April 6, 1935
3 Claims. (Cl. 178—69.5)

1. An arrangement for producing synchronizing impulses of highly uniform periodicity and amplitude for television, comprising means for generating oscillations, a multistage thermionic amplifier, means for applying said oscillations to



the input terminals of said amplifier the stages of said amplifier being coupled by means of tuned circuits, means for amplitude limiting and means for grid current limiting.

2,152,825
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Original application July 6, 1934, Serial No. 733,995. Divided and this application September 21, 1936, Serial No. 101,798. In Germany July 8, 1933
2 Claims. (Cl. 250—162)



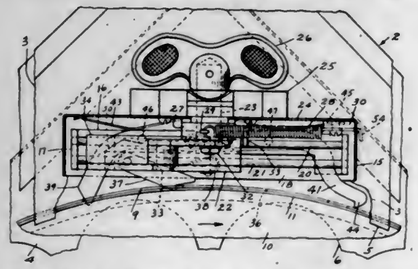
1. A Braun tube for television purposes comprising an evacuated envelope enclosing an electron source consisting of an indirectly heated cathode, a Wehnelt cylinder surrounding said cathode, a control electrode mounted within said cylinder in front of said cathode, and a plate-shaped apertured anode mounted in front of said cylinder, said Wehnelt cylinder and said anode forming a pre-concentrating system for causing said cathode ray to pass said apertured anode with an opening angle of at most 7 degrees, a fluorescent screen, one electron-optical system mounted between said anode and said screen to cause the cathode ray to produce a virtual image and a further electron optical system mounted between said first system and said screen to produce a real image of said virtual image on said screen, each of said systems consisting of a plurality of apertured electrodes, the diameter of each of the apertures of said apertured electrodes being greater than the diameter of the cathode ray in the plane of the respective aperture, and deflecting means for deflecting the cathode ray in two directions perpendicular to one another for the purpose of scanning said screen.

2,152,826
ARTICLE AND PROCESS FOR PRODUCING THE SAME
William M. Spencer, Allentown, Pa., assignor, by mesne assignments, to Filatex Corporation, New York, N. Y., a corporation of New Jersey
Application September 4, 1936, Serial No. 99,342
15 Claims. (Cl. 57—152)



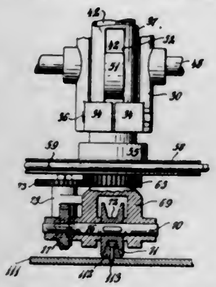
1. As an article of manufacture, a rubber filament having a body portion and a compressible longitudinal fin, said fin being sufficiently yield-

apart rectangular openings in its circumference including a base adjacent and parallel to a tangent to the turn table, a block mounted to reciprocate above said base, manually operable means to reciprocate said block, a dog pivoted at one end to said block having its free end slidably engaging the circumference of the turn table adapted to slide thereover and drop in an opening therein when the block is reciprocated in one direction and thereafter rotate the turn table as the block is reciprocated in the opposite direction, two latches pivoted upon the base adjacent and on opposite sides of the center thereof with springs normally forcing the free ends of the respective latches into sliding engagement with the cylindrical surface of the turn table, the free



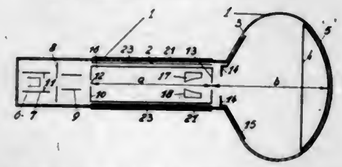
ends of said latches adapted to engage openings in the turn table to lock the turn table against rotation in either direction, pins on the upper side of each of said latches intermediate the ends coacting with a track on the under side of the block to depress the free ends from engagement with the openings in the turn table as the block starts its reciprocation to impart a movement thereto, said latches pivoted to the base by being secured to the upper ends of respective posts extending through and rotatably mounted in said base, the lower ends of each post provided with manually operable release pins adapted by manual operation to rotate the posts to withdraw the free ends of the latches from engagement with the turn table to allow a manual rotation thereof.

2,152,819
SEWING MACHINE
David Rothchild, New York, N. Y., assignor to The Palmer Brothers Company, New London, Conn., a corporation of Connecticut
Application October 27, 1937, Serial No. 171,228
5 Claims. (Cl. 112—118)



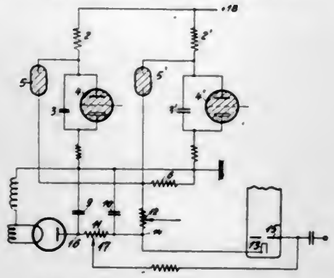
1. The combination, in a sewing machine, of fixed stitching means, a relatively movable tambour frame, a pattern, movable with the tambour frame, embodying a platen having a flexible, non-metallic raised design element thereupon and means, embodying a driven wheel provided with a circumferential, closed groove straddling the design element longitudinally and engaging frictionally therewith for moving it and the tambour frame in the lines of the design.

2,152,820
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application September 28, 1934, Serial No. 745,952
In Germany October 2, 1933
3 Claims. (Cl. 250—162)



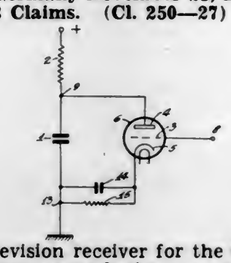
1. A Braun tube for television purposes comprising an evacuated envelope enclosing a cathode, a modulating grid mounted in the vicinity of said cathode, a plate having an aperture, said plate being mounted in the vicinity of said grid, a picture receiving screen, an electrostatical electron-optical system mounted between said plate and said screen for reproducing said aperture on said screen, one pair of deflecting coils for deflecting the cathode ray in one direction, and one pair of deflecting plates for deflecting the cathode ray in a direction perpendicular to the first said one, said deflecting plates and said deflecting coils being mounted along the same axis, said deflecting plates being mounted between said plate and said electron-optical system in close proximity to said system, the distance between said electron-optical system and said plate having said aperture being at least as great as the distance between said system and said screen.

2,152,821
CATHODE RAY TUBE APPARATUS
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application February 9, 1935, Serial No. 5,870
In Germany February 12, 1934
3 Claims. (Cl. 250—27)



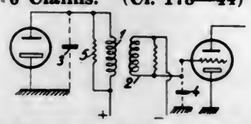
1. In a relaxation oscillation circuit comprising a direct current source, a grid-controlled gas-filled thermionic tube, a condenser and a charging resistance, a safety device consisting of a glow-discharge lamp in series with a relay, both in parallel to said tube, the igniting potential of said lamp being higher than the anode potential of the normally operating tube.

2,152,822
RELAXATION OSCILLATION FOR INTERLACED SCANNING
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application November 20, 1935, Serial No. 50,738
In Germany November 23, 1934
3 Claims. (Cl. 250—27)



1. In a television receiver for the reception of a transmission scanned at an even number of interlaced lines including a relaxation oscillation device consisting of a gas-filled discharge tube having a hot cathode, a grid and an anode, a lead to conduct to said grid the igniting synchronizing signals, a charging resistance in series and a storage condenser in parallel to said tube and means to connect the terminals of said condenser to the deflecting plates of a cathode ray tube: a timing circuit consisting of a second condenser and an impedance both in parallel to each other, one terminal of said timing circuit being connected to said cathode and the other to said storage condenser.

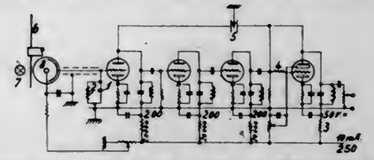
2,152,823
COUPLING TRANSFORMER
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application February 24, 1936, Serial No. 65,401
In Germany February 27, 1935
6 Claims. (Cl. 178—44)



1. A high frequency transformer for carrier-frequency amplifiers, more particularly for television purposes, having a primary winding and a secondary winding, both of said windings are tuned to the same natural frequency, said tuning being effected solely by the winding inductance and the inherent capacities, said primary winding and said secondary winding being tightly coupled, the degree of said tight coupling being made variable for the purpose to vary the width of said frequency band, said transformer windings being damped by parallel resistances so that the curve defining the transmission degree over the whole frequency band is not increased at the resonance-frequencies but has nearly the same amplitude over said whole frequency band.

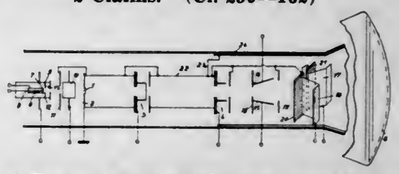
2,152,824
FILTER AMPLIFIER FOR TELEVISION SYNCHRONIZATION
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application April 2, 1936, Serial No. 72,315
In Germany April 6, 1935
3 Claims. (Cl. 178—69.5)

1. An arrangement for producing synchronizing impulses of highly uniform periodicity and amplitude for television, comprising means for generating oscillations, a multistage thermionic amplifier, means for applying said oscillations to



the input terminals of said amplifier the stages of said amplifier being coupled by means of tuned circuits, means for amplitude limiting and means for grid current limiting.

2,152,825
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Original application July 6, 1934, Serial No. 733,995. Divided and this application September 21, 1936, Serial No. 101,798. In Germany July 8, 1933
2 Claims. (Cl. 250—162)



1. A Braun tube for television purposes comprising an evacuated envelope enclosing an electron source consisting of an indirectly heated cathode, a Wehnelt cylinder surrounding said cathode, a control electrode mounted within said cylinder in front of said cathode, and a plate-shaped apertured anode mounted in front of said cylinder, said Wehnelt cylinder and said anode forming a pre-concentrating system for causing said cathode ray to pass said apertured anode with an opening angle of at most 7 degrees, a fluorescent screen, one electron-optical system mounted between said anode and said screen to cause the cathode ray to produce a virtual image and a further electron optical system mounted between said first system and said screen to produce a real image of said virtual image on said screen, each of said systems consisting of a plurality of apertured electrodes, the diameter of each of the apertures of said apertured electrodes being greater than the diameter of the cathode ray in the plane of the respective aperture, and deflecting means for deflecting the cathode ray in two directions perpendicular to one another for the purpose of scanning said screen.

2,152,826
ARTICLE AND PROCESS FOR PRODUCING THE SAME
William M. Spencer, Allentown, Pa., assignor, by mesne assignments, to Filatex Corporation, New York, N. Y., a corporation of New Jersey
Application September 4, 1936, Serial No. 99,342
15 Claims. (Cl. 57—152)



1. As an article of manufacture, a rubber filament having a body portion and a compressible longitudinal fin, said fin being sufficiently yield-

able to be deformed under the application of auxiliary yarn under normal tension and forming an acute angle with the body portion.

2,152,827

PROCESS OF PREPARING SUBSTANCES BELONGING TO THE FLAVONE GROUP

Albert Szent-Györgyi, Szeged, Hungary, assignor, by mesne assignments, to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 29, 1937, Serial No. 151,027. In Hungary July 7, 1936

6 Claims. (Cl. 260—333)

1. The process which comprises extracting vegetable material containing substances belonging to the flavone group by means of an organic solvent miscible with water, adding to the extract the hydroxide of a metal of the group consisting of alkali metals or alkaline earth metals and decomposing the precipitate thus formed by means of an acid.

2,152,828

RUBBERLIKE PRODUCTS AND PREPARATION THEREOF

Robert M. Thomas, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 11, 1936, Serial No. 115,356

15 Claims. (Cl. 260—94)

9. A synthetic rubberlike product derived by sulphur chloride treatment of sticky plastic substantially saturated aliphatic type iso olefine hydrocarbon polymer of 1,000 to 40,000 molecular weight, said product being non-sticky and having a substantially greater elasticity and tensile strength and lesser cold flow than the polymer from which it was derived.

2,152,829

FILM-FORMING COMPOSITION

Peter A. van der Meulen, New Brunswick, N. J., assignor to John R. Ditmars, New Brunswick, N. J.

No Drawing. Application August 24, 1935, Serial No. 37,654

5 Claims. (Cl. 134—12)

1. A composition for forming a continuous film and suitable for coating paper and the like, which composition comprises a base material selected from the group consisting of gelatin and casein, a water insoluble salt of a sulphonated vegetable oil in a state of submicroscopic dispersion throughout the composition and water in the ratio of from one to five parts for each part of the base material.

2,152,830

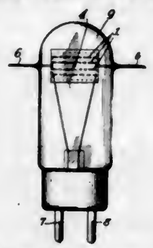
TUBE FOR SHORT WAVES

Bruno Wienecke, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany

Original application March 8, 1935, Serial No. 10,046. Divided and this application June 27, 1936, Serial No. 87,697. In Germany March 13, 1934

1 Claim. (Cl. 250—27.5)

A tube for short waves comprising a bulb, a cathode, a grid and an anode, a lead being conducted from the mid-zone of said anode outside of said bulb, another lead being conducted from the mid-zone of the grid through an opening in the opposite side of said anode also outside of the bulb, and two plugs on the base of said bulb, the high-frequency leads from said cathode being



conducted out of said bulb perpendicular to said leads from grid and anode, the heating current conducting leads to said cathode being connected to said plugs.

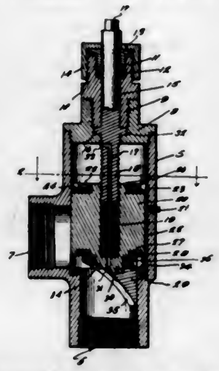
2,152,831

VALVE

Frank J. Williams, San Fernando, Calif.

Application December 13, 1937, Serial No. 179,555

1 Claim. (Cl. 251—77)



A valve comprising a cylinder having an inlet arranged at one end thereof and an outlet arranged intermediate the ends of said cylinder, a plug closing the end of the cylinder opposite the inlet and having a stem opening, a stem extending through the opening and flanged to seat in the plug and having the portion located in the cylinder provided with feed threads and having a passage opening outwardly through said portion at the free end thereof and through a side thereof adjacent the plug to place the portion of the cylinder between the outlet and the plug in direct communication with the inlet, a packing means receiving the stem and secured on the plug and acting to keep the flange of the stem against the plug, a seat arranged in the cylinder between the inlet and the outlet, a valve member having a threaded bore receiving the threaded portion of the stem and having a passage connecting with the bore and opening outwardly opposite the inlet, said valve member being slidable relative to the inlet and outlet and maintaining the space between the plug and the outlet closed to the latter, packing means on the valve member and contacting the cylinder, seat engaging means on the valve member to engage the seat, said valve member having a groove, and a pin on said cylinder to engage in the groove to retain the valve member against rotation during its sliding movement in the cylinder by the rotation of the stem.

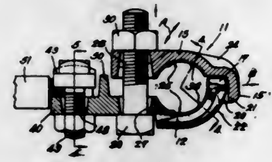
2,152,832

TERMINAL CLAMP

John B. Winchester, Los Angeles, Calif.

Application July 6, 1936, Serial No. 89,013

3 Claims. (Cl. 173—259)



1. A terminal clamp comprising: a pair of clamp members connectible in hinging relation and providing jaw elements having upper and lower tapered surfaces, the opposed upper surfaces of said jaws being complementary to engage and substantially conform to a tapered body, and said lower jaws being complementary to engage said tapered body when said clamp is reversed; contact projections on each surface of said jaw elements relatively spaced from the central horizontal plane of said clamp and extending radially inward therefrom a sufficient distance so that when either said opposed upper or lower surfaces engage said tapered body said projections on the other opposed surfaces engage a smaller diameter of said tapered body; and means for drawing said jaw elements together in clamping relation.

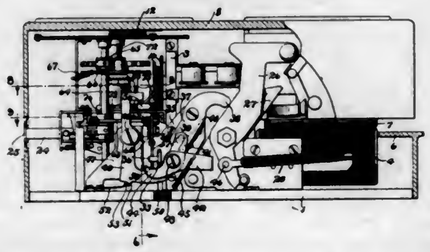
2,152,833

FABRIC MEASURING MACHINE

Walter E. Aeschbach, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a corporation of Missouri

Application December 27, 1937, Serial No. 181,740

13 Claims. (Cl. 101—74)



1. In a fabric measuring machine, a measuring roller adapted to be driven by fabric drawn through the machine, a ticket printing mechanism associated with the measuring roller for printing the amount of fabric that is drawn through the machine at the end of a measuring operation, a notching knife adapted to be manually operated to notch the cloth at the end of a measuring operation, means controlled by the operation of the notching knife for printing the ticket, a stop normally in the path of movement of the notching knife, means for moving the stop out of the path of movement of the notching knife at any of a definite series of predetermined positions of the measuring machine to which operated by the cloth, and means for rendering said stop removal means ineffective upon an attempted successive operation of the notching knife at the same predetermined position of the machine.

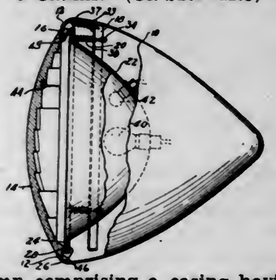
2,152,834

LAMP

Samuel F. Arbuckle and Guy H. Coulter, Highland Park, Mich., assignors to United Lens Corporation, Detroit, Mich., a corporation of Delaware

Application July 25, 1935, Serial No. 33,121

9 Claims. (Cl. 240—41.5)



1. A lamp comprising a casing having an inturned circular flange integrally formed at its open end, a reflector within said casing, a lens of a diameter which substantially corresponds to the diameter of the inner edge of said circular flange engageable with said reflector and having a projection underlying said casing flange, a retaining element engageable with said lens to secure the lens in said casing, means to urge said lens into engagement with said casing, and means to form a seal between said lens and said reflector.

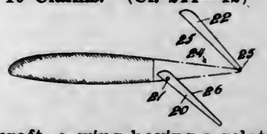
2,152,835

AIRCRAFT

Harold Bolas, Providence, R. I.

Application March 13, 1937, Serial No. 130,743

10 Claims. (Cl. 244—42)



1. In aircraft, a wing having a relatively fixed portion, a rearwardly situated upper flap pivotally attached thereto, a rearwardly situated lower flap pivotally attached thereto, the pivot of said upper flap being arranged rearwardly of the pivot of the lower flap, said flaps being arranged so that in the normal or high speed condition of flight the top surface of the upper flap conforms closely to the upper contour of the wing airfoil, and the bottom surface of the lower flap conforms closely to the lower contour of the wing airfoil, means to raise the leading edge of said upper flap and means to lower the trailing edge of said lower flap when operating to the high lift or low speed condition of flight, and air passage means between said flaps extending from above the upper contour of said wing to below the lower contour thereof whereby to deflect the air stream upon the upper surface of the lower flap from above the upper contour of the wing.

2,152,836

LAMP FOR THE HEADLIGHTS OF VEHICLES

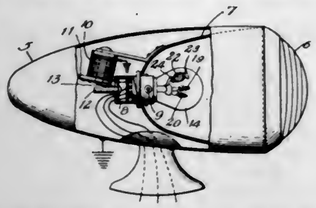
Thomas Bovey, Philadelphia, Pa.

Application June 12, 1937, Serial No. 147,942

6 Claims. (Cl. 176—14)

1. A lamp for the headlight of a vehicle embodying a suitable translucent shell; a base in which said shell is mounted; a filament post extending within said shell; a filament supported

by said post and disposed axially of said shell; a plurality of filaments supported by said post and disposed in off-set relation to said first-mentioned filament; each of said filaments adapted normally



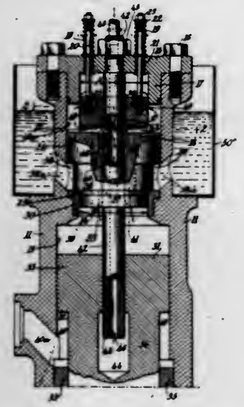
to emit relatively white rays of light when rendered incandescent; and a colored translucent light modifier supported by said post and disposed in co-active relation with respect to one of said filaments.

2,152,837

PREFILL VALVE FOR HYDRAULIC PRESSES

Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware

Application April 9, 1937, Serial No. 135,844
22 Claims. (Cl. 121—38)



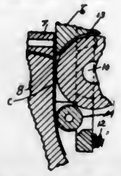
1. A hydraulic press or the like and a prefill valve therefor, comprising a reciprocating valve element a hydraulic ram work-chamber at one end of said valve element and a hydraulic pressure-balancing chamber at the other end thereof, a passage affording fluid connection between said chambers, a source of supply of fluid at relatively low pressure, a passage affording fluid connection between said source of supply and the ram work-chamber, said latter passage being controlled by said valve element, a hydraulic valve-closing chamber adapted to coact with said valve element to move the latter to a closed position wherein the said latter passage is closed, a fluid inlet to the valve-closing chamber for passing fluid thereinto at relatively high pressure, and a passage which, when the valve element is substantially in said closed position, affords substantially unimpeded fluid connection between the valve-casing chamber and the pressure balancing chamber, whereby to permit introduction of fluid at relatively high pressure into the latter chamber and the connected ram work-chamber, through the valve-closing chamber.

2,152,838

COUNTER MOLDING MACHINE

Joseph Castonguay, Salem, Mass., assignor of one-third to Albert Castonguay, and one-third to William Castonguay, both of Salem, Mass.

Application February 15, 1938, Serial No. 190,616
1 Claim. (Cl. 12—66)



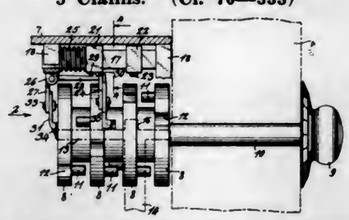
Instruments for molding shoe counters with a curve at their wing extremities, comprising cooperating complemental last member, the counter flange-sustaining surface of which last member is outwardly curved in the part flanked by the wing extremity of a counter in the process of being molded, a roll presser adapted to roll across the flange-supporting face of the last, adjustable spring and screw members attached to the roll presser to regulate the force of the roll against the last during its operative movement, a smaller roll presser having adjustable spring pressure members and adapted to travel in advance of said larger roll, and a carrier to which the said rolls are attached and by means of which they are worked.

2,152,839

PERMUTATION LOCK

George D. Dillon, Denver, Colo.

Application September 30, 1938, Serial No. 232,501
5 Claims. (Cl. 70—333)



1. In a permutation lock having a plurality of spaced parallel tumblers mounted for coaxial rotation, each tumbler having a peripheral notch, and a gravity dog having a pawl portion, supported on the peripheries of the tumblers, means for engaging and supporting the dog independently of the tumblers comprising a guide, a slide movable thereon, means comprising a spring for urging the slide in one direction, a latch for holding the slide from movement, a supporting arm carried by the slide for engaging the dog and supporting it when the slide is in a predetermined position and means operated by an abnormal movement of the tumbler for releasing the latch, thereby permitting the slide to move in response to the action of the spring and bring the supporting arm into dog engaging position.

2,152,840

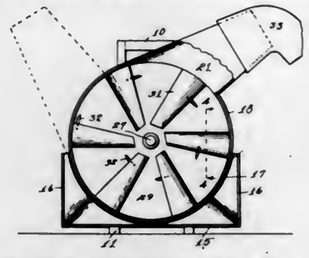
ROTARY SNOW PLOW

Richard A. Drake, Forreston, Ill.

Application October 1, 1938, Serial No. 232,764
5 Claims. (Cl. 37—43)

1. A snow plow, comprising a frame adapted to be attached to the front of a motor vehicle,

a scoop having a substantially straight forwardly-projecting lower edge for cutting into snow near a roadway, substantially upright, forwardly-extended side edges, and an upright substantially semi-circular rim at the rear of the scoop, a snow removing device, comprising a circular rim in upright position fitted into said semi-circular rim and capable of being rotated within



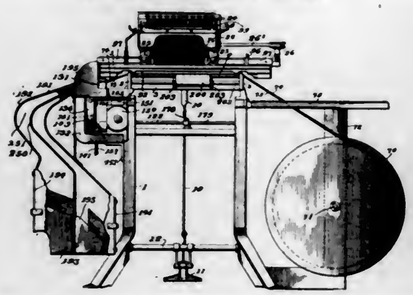
said semi-circular rim, means for adjustably fixing the circular rim at various positions within the semi-circular rim, a tangentially arranged discharge spout carried by the circular rim, a disc rotatably mounted within the circular rim, a series of radially arranged trough-shaped blades fixed to the front of said disc, and means for rotating said disc.

2,152,841

WRITING MACHINE

Guy W. Edmunds, St. Louis, Mo., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 13, 1936, Serial No. 85,020
39 Claims. (Cl. 197—133)



36. In a writing machine, including a carriage adapted for letter spacing travel and return; the combination of a feed member mounted to traverse a work strip with the carriage to alternately engage and disengage the work strip and thereby intermittently advance the latter incident to the return of the carriage from an advanced position to its starting point.

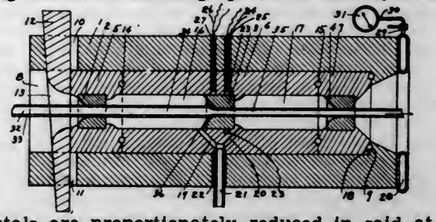
2,152,842

METAL ATTENUATING PROCESS AND APPARATUS

Martin E. Evans, Pittsburgh, Pa.

Application August 23, 1934, Serial No. 741,100
35 Claims. (Cl. 205—1)

1. In the process of attenuating a duplex metal strip one metal of which as a tendency to depart from a uniform cross section in advance of the attenuating operation the steps consisting of subjecting the duplex metal strip to an attenuating operation and constraining said duplex metal to a path uniform in cross section at the beginning of said attenuating operation whereby both



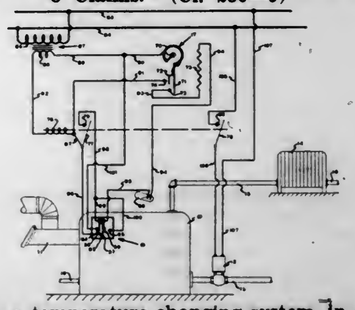
metals are proportionately reduced in said attenuating operation.

2,152,843

CONTROL APPARATUS

George H. Fisher, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 22, 1935, Serial No. 27,926
8 Claims. (Cl. 236—9)



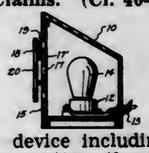
2. In a temperature changing system, in combination, a temperature changer, means for controlling the operation of said temperature changer, a main controlling thermostat, a secondary thermostat responsive to a condition directly produced by said temperature changer, connections between said thermostats and temperature controlling means for placing the latter into operation, connections between said secondary thermostat and temperature controlling means for maintaining the latter in operation independently of said main controlling thermostat, connections between said thermostats and temperature changer controlling means for returning the control of the latter to said main controlling thermostat, and means in said last mentioned connections for varying the control of said temperature changer controlling means by said main controlling thermostat.

2,152,844

ILLUMINATED DISPLAY DEVICE

William W. Hays, Greenville, Tex., assignor of twenty per cent to Arthur W. Lilly, Greenville, Tex.

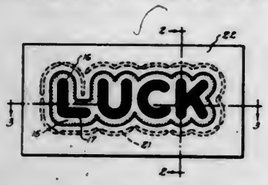
Application December 10, 1937, Serial No. 179,038
14 Claims. (Cl. 40—133)



13. A display device including, a panel having light emitting portions therein to permit light

to pass therethrough, said portions being so disposed in the panel so as to generally follow a shape representative of indicia, means for directing light rays through said portions, and display characters overlying said openings and spaced therefrom, whereby light rays passing through the light emitting portions are intercepted by the characters and deflected onto the panel to illuminate the panel around the characters, said characters having light emitting portions therein which are in alinement with the light emitting portions of the panel, whereby a portion of the light rays passing through the light emitting portions in the panel are directly visible through the light emitting portions in the characters.

2,152,845
SIGN
William W. Hays, Greenville, Tex., assignor of twenty per cent to Arthur W. Lilly, Greenville, Tex.
Application December 10, 1937, Serial No. 179,039
13 Claims. (Cl. 40—133)



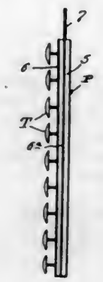
10. A sign including, a panel having narrow light admitting openings therein to permit light to pass therethrough, said openings simulating tubes and forming indicia displayed on the panel, and means for passing additional light rays through the panel and for reflecting these latter rays onto the outer surface of the panel for setting up a glow around the openings, whereby said openings simulate tubes and the glow appears to be reflected from said simulated tubes.

2,152,846
LADDER CONSTRUCTION
Henry J. Heider, Carroll, Iowa
Application March 28, 1938, Serial No. 198,476
3 Claims. (Cl. 228—23)



1. A ladder, comprising a step section, a convertible section, means hinging one end of the convertible section to the step section at a point intermediate its ends to provide overlapping end portions, means latching said overlapping ends to the convertible section at points intermediate its ends, said means comprising a pair of outwardly projecting and converging bars secured to each side rail of the step section near its upper end to provide a pivot center near the point of intersection of said bars, a third bar having one end hinged to each pivot and secured to the upper end of the corresponding side rails of the convertible section and inclined thereto, whereby the convertible section may be alined with the said section when moved to its extended position, said latching means comprising a transverse bar connecting the free ends of the rails of the step section, and latch devices carried by the rails of the convertible section adapted to engage and move to latching relation therewith by gravity.

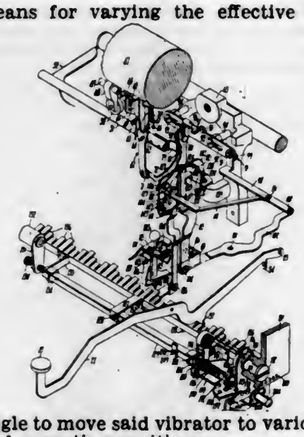
2,152,847
THUMBTACK PACKAGE
Eric Helm and Jack Wolk, Waterbury, Conn.; Bertha Helm administratrix of said Eric Helm, deceased
Application July 22, 1936, Serial No. 92,030
1 Claim. (Cl. 206—79)



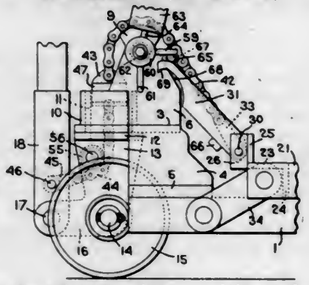
A thumbtack package of the character described, comprising a stiff and relatively thick placard formed of material which is readily penetrable by the points of thumbtacks, and a plurality of thumbtacks stuck into said placard so that their points are embedded and concealed within the latter, said thumbtacks being disposed at substantially regular intervals throughout the area of the placard, and a relatively large paper finger or suspension tab carried by and projecting from at least one edge of said placard to facilitate handling or pinning of the package on a support, said placard including a laminated main relatively thick point-receiving and concealing member and a relatively thinner sheet interposed between laminations of said main member and having said tab formed integral therewith.

2,152,848
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application July 17, 1936, Serial No. 91,020
27 Claims. (Cl. 197—157)

17. In a ribbon-vibrating mechanism for typewriters, in combination, a ribbon vibrator, a toggle operatively connected to said vibrator and having articulated links operable from uniformly broken to straight condition, and selectively variable means for varying the effective throw of said toggle to move said vibrator to various predetermined operating positions.



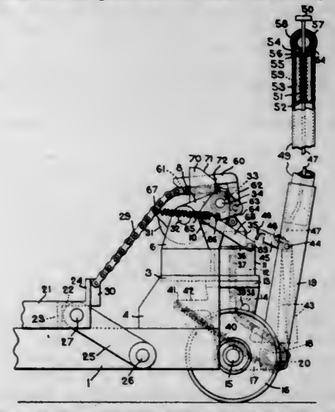
2,152,849
ELEVATING TRUCK
Daniel E. Hennessy, Petersham, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application June 1, 1936, Serial No. 82,756
19 Claims. (Cl. 254—4)



1. An elevating truck comprising a frame having a head provided with a vertical aperture, steering mechanism rotatably mounted on said head having an axial aperture in alinement with the opening in said head, a tongue pivotally mounted on the lower portion of said steering mechanism, load supporting means mounted on said frame and movable upwardly relatively thereto, means maintaining an uninterrupted connection between said tongue and said load supporting means having a portion of its length extending through said apertures along the vertical axis of the steering mechanism and operable by a vertical swinging movement of the tongue when in any steering position to raise said load supporting means without applying above said frame a force tending to tip the truck laterally.

2,152,850
MULTIPLE LIFT ELEVATING TRUCK
Daniel E. Hennessy, Petersham, Mass., assignor to Lewis-Shepard Company, Watertown, Mass., a corporation of Massachusetts
Application June 1, 1936, Serial No. 82,757
22 Claims. (Cl. 254—4)

1. An elevating truck comprising load supporting means, steering mechanism having a hollow steering post rotatable about a vertical axis and a tongue mounted thereon to swing vertically, a flexible member connected to said load supporting means, means for guiding a portion of said flexible member upwardly thence downwardly through said hollow steering post, means mounted on the lower portion of said steering mechanism operable in cooperation with vertical swinging movements of said tongue to move said flexible member longitudinally step by step and thereby elevate said load supporting means, and means for locking said load supporting means at each step of elevation.



2,152,851
SOLUTION OF ALKALI METAL SALTS OF POLYNUCLEAR PHENOLS
Hans Z. Lecher, Plainfield, and Mario Scalera, Somerville, N. J., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application September 4, 1936, Serial No. 99,486
16 Claims. (Cl. 260—621)

1. A method of preparing a solution of an alkali metal polynuclear phenolate in a solvent having as its major component a heterocyclic ether containing ring systems included in the group consisting of 1,3-dioxane, 1,4-dioxane, 1,3-dioxene, 1,4-dioxene, and 1,4-dioxine which comprises reacting the polynuclear phenol and an alkali metal hydroxide in the solvent.

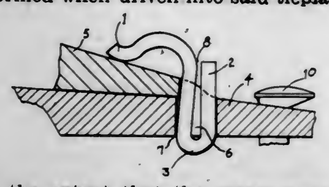
2,152,852
PROCESS FOR MANUFACTURE OF GLYCOLIC ACID
Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 31, 1936, Serial No. 118,569
27 Claims. (Cl. 260—535)

1. A process for the preparation of glycolic acid which comprises reacting, in the liquid phase, formaldehyde, water and carbon monoxide in the presence of an acidic catalyst, at a temperature between 50° and 350° C. and at a pressure between 5 and 1500 atmospheres.

2,152,853
SPRING RAIL GRIP
Eben R. Packer, New Rochelle, N. Y., assignor to The Rails Company, New Haven, Conn., a corporation of Connecticut
Application May 11, 1938, Serial No. 207,223
4 Claims. (Cl. 238—349)

1. In combination, a tie, a tieplate provided

with openings therethrough, a rail seated on said tieplate, tieplate securing means comprising spikes positioned in some of said tieplate openings adapted and arranged to secure said tieplate to said tie, and a plurality of spring rail grips wedged into other of said tieplate openings to clamp said rail to said tieplate independently of said tieplate securing means, each of said spring rail grips comprising a folded strip of heavy spring metal provided with a rounded nose and forming a short V-shaped shank portion which is deformed when driven into said tieplate open-



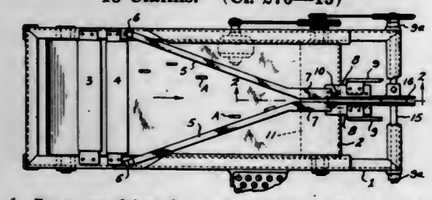
ing to the extent that the upper open portion thereof is almost closed and of less thickness than the lower or entering portion, one leg of said folded strip being of much greater length than the other and formed with a reverse curve and contacting the base of said rail at a point substantially removed from the tieplate opening, the said rounded nose of said spring rail grip projecting downward beyond the lower surface of said tieplate at least a distance equal to the radius of curvature of said rounded nose but not sufficient to destroy the fibre of said tie.

2,152,854

TYPESETTING MACHINE

Frank H. Poeppelmeier, Dayton, Ohio, assignor to Dayton Type, Incorporated, Dayton, Ohio, a corporation of Delaware

Application April 5, 1938, Serial No. 200,165
18 Claims. (Cl. 276—15)



1. In a machine for setting type, the combination with means for depositing type upon a moving belt and assembling them into line thereon in the order of deposit of a take off device to which the type is delivered, said device comprising a wheel having a channel therein adapted to the shape of the type, to frictionally engage the same, so as to provide for an untimed feeding thereof, and a delivery means from the belt to said wheel arranged at a depending angle and arranged to guide the type into said channel.

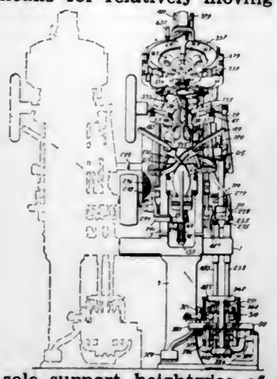
2,152,855

MACHINE FOR WORKING UPPERS OVER LASTS

Fred Ricks, Hubert Boothroyd, and Cyril Harry James, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application September 8, 1937, Serial No. 162,890
In Great Britain October 3, 1936
66 Claims. (Cl. 12—10)

1. In a machine for working uppers over lasts, the combination of a support to receive the central portion of the forepart of a sole upon a last bottom, an initially inoperative support for the peripheral portion of the sole, toe-embracing wipers, means for relatively moving the wipers



and the sole support heightwise of the last to shape the upper to the last, and means for moving the initially inoperative peripheral support toward the last.

2,152,856

FLUORESCENT LITHOGRAPHING INK

Joseph Lyman Switzer, Berkeley, Calif.

No Drawing. Application January 8, 1936, Serial No. 58,109
5 Claims. (Cl. 134—36)

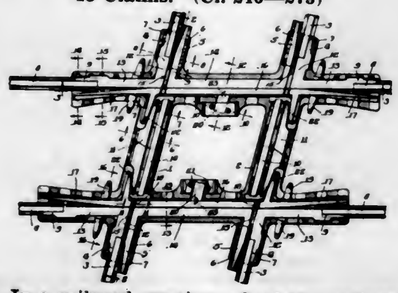
1. The method of making lithographing ink, which consists in providing a dye which is visibly fluorescent under ultra violet rays, mixing therewith a substantially colorless resin, mixing therewith a volatile solvent for said dye and said resin, mixing therewith a drying oil, mixing therewith aluminum hydroxide, then subjecting the mixture to a milling operation for expediting the volatilization of the volatile solvent and for maintaining said ingredients in finely divided condition in the oil during such volatilization.

2,152,857

RAILROAD CROSSING

Lewis Alexander, Clinton, Ill.

Application December 26, 1935, Serial No. 56,155
Renewed September 2, 1938
15 Claims. (Cl. 246—273)



1. In a railroad crossing, wheel supporting elements forming in effect one track that crosses another track at an angle thereto, upon both of which tracks the wheels may travel over the crossing, having means co-operating to provide a practically smooth and continuous rail effect and path of travel for the treads of the wheels, on at least one track, to prevent jolting or pounding, with

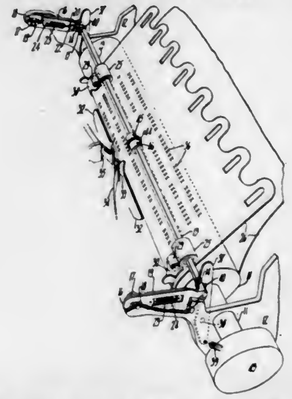
movable wheel supporting elements normally abutting the flange side of the rails of said another track at one side rigid with similar elements at the other side of said one track, for the wheels on said one track, rigid wheel supporting elements forming part of said path of travel, and disposed at the inner sides of said movable elements in overlapping relation therewith, so that the extreme end of each rigid element is at the flange side of the wheel treads of said one track, and means preventing movement of said movable elements of the crossing by the flanges of the wheels on said path of travel, whereby all portions of the crossing remain in their one normal stationary position during the crossing of trains on said one track, and each rigid element being separable at its middle at a point substantially midway between the rails of the other track.

2,152,858

TYPEWRITING MACHINE

Fred Becker, Queens Village, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application April 9, 1937, Serial No. 135,909
3 Claims. (Cl. 197—138)



3. In a typewriter having a revoluble platen and types movable to a printing point thereagainst, means for guiding a work-sheet at the delivery side of the platen and for holding said sheet against the platen at the printing line, a rod extending lengthwise of said platen, sheet-deflecting means supported on said rod and adapted to urge the work-sheet margins against the platen beyond the printing line, and a toothed wheel on said rod intermediate said marginal sheet-deflecting means to contact by its teeth the intermediate portion of the work-sheet, said toothed wheel being of such a diameter as to react with less pressure upon the sheet than the marginal sheet-deflecting means.

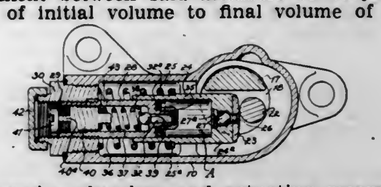
2,152,859

SHOCK ABSORBER

Eugene L. Beecher, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio

Application September 11, 1935, Serial No. 40,141
10 Claims. (Cl. 267—8)

1. In a hydraulic shock absorber of the piston and cylinder type, a housing, a piston member, a cylinder member, means for mounting said members in said housing, means independent of said first named means for adjusting the relationship between the piston member and cylinder member and acting independently of any relative operative movement between said members to vary the ratio of initial volume to final volume of the



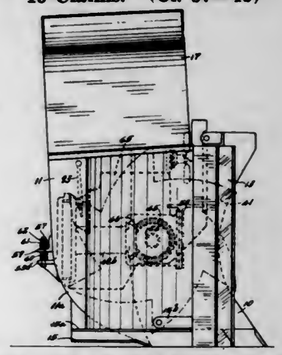
compression chamber, and actuating means in constant engagement with one of said members and adapted to produce relative movement between said members.

2,152,860

MOTOR-EQUIPPED SNOW PLOW

Henry J. Behrens, Melvin H. Bemis, Edward R. Greer, and Andrew E. Morrison, Minneapolis, Minn., assignors to Rotary Snow Plow Company, Minneapolis, Minn., a corporation of Minnesota

Application October 12, 1936, Serial No. 105,252
15 Claims. (Cl. 37—43)



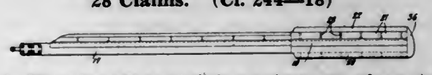
1. A snow plow adapted to be propelled by an automotive vehicle having in combination, a frame, rotors for discharging snow disposed at either side thereof, means for moving snow to said rotors, a shaft extending between said rotors on which said rotors are mounted, driving means for said shaft, a casing for said last mentioned means, a pair of internal combustion motors rigidly secured to said casing, resilient means also supporting said motors and a second driving means secured to said motors for driving said first mentioned driving means.

2,152,861

BLADE CONSTRUCTION FOR AIRCRAFT SUSTAINING ROTORS

James Allan Jamieson Bennett, Genista, Newton Mearns, Scotland, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

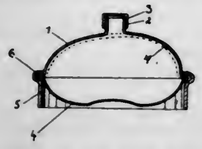
Application May 14, 1935, Serial No. 21,453
In Great Britain May 16, 1934
28 Claims. (Cl. 244—18)



1. For aircraft sustaining rotors, an elongated rotor blade of aeroform cross section having a main longitudinal tubular spar member, the external contour of said spar defining at least a

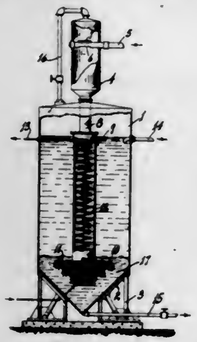
large part of the blade profile, a trailing edge structure built up on said spar throughout a major part of the length of the blade and a built up nose portion along approximately the outer third of the blade.

2,152,862
CONTAINER FOR DISPENSING MATERIALS
René Bergerioux, Mennecy, Seine-et-Oise, France
Application September 17, 1937, Serial No. 164,297
In France September 30, 1936
18 Claims. (Cl. 221—60)



1. A container for dispensing materials, comprising in combination: a permanent upper part provided with an outlet port; means for closing said outlet port; a deformable diaphragm closing the lower end of said upper part and adapted to be progressively pushed by direct finger pressure inwards up to the inner wall of the permanent upper part for dispensing the contents of the container, said permanent part and said deformable diaphragm being jointed at their peripheries; and a protecting skirt surrounding and protecting said deformable diaphragm and the joint between the upper part and the deformable diaphragm.

2,152,863
SAND, WATER, AND OIL SEGREGATOR
Claud H. Bills, Maywood, Calif.
Application December 7, 1937, Serial No. 178,549
2 Claims. (Cl. 196—5)



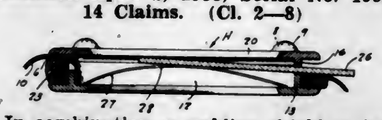
1. A sand, water and oil segregator comprising a tank, a balancing column within the tank extending longitudinally thereof and substantially central within the tank, said balancing column terminating above the bottom of the tank, oil intake means at the upper end of the balancing column, a plurality of superimposed perforated rings fixedly attached to the lower end of the column, said rings being of different diameters and the uppermost ring opening into the bottom of the balancing column, a heating coil surrounding each of the rings, a heating coil within the balancing column, said last named heating coil being connected to the first named coils, a drain at the lower end of the tank, and a clean oil outlet adjacent the upper end of the tank.

2,152,864
SURGE LINK
Eugene F. Boothe, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application November 23, 1936, Serial No. 112,368
9 Claims. (Cl. 200—115)



1. A surge link comprising flexible conductors providing link terminals which are spaced apart at their inner ends to provide a gap therebetween, an element disposed in said gap, and strain wires for connecting said element to said flexible conductors, said strain wires being formed of electrical conducting material and being attached to opposite ends of said element and to the adjacent inner ends of the flexible conductors in electrical connection with said flexible conductors so as to dispose said element in an interposed relation with respect to said strain wires, said element being formed of material characterized by the ability to give off gas when subjected to the heat of an electric arc which has a tendency to extinguish said electric arc.

2,152,865
WELDING SHIELD OR HELMET
Frederick M. Bowers, Chester, Pa.
Application April 2, 1938, Serial No. 199,608
14 Claims. (Cl. 2—8)

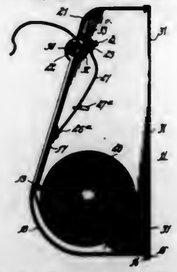


1. In combination, a welding shield or helmet formed with a window opening, a filter glass holder assembled with the shield or helmet within the window opening and having portions disposed within and without the helmet, and means for yieldably maintaining said holder in a position in which the major part thereof is retracted within the shield or helmet.

2,152,866
MEMORANDUM DEVICE
Clarence J. Bozung, Greenville, Mich.
Application December 3, 1936, Serial No. 114,071
1 Claim. (Cl. 281—12)

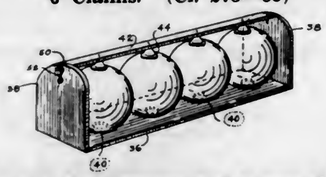
A memorandum device comprising a body portion and back plate, the body portion including side pieces, upper and lower walls extending between the side pieces, and a platen secured to the side pieces between the upper and lower walls, inturned flanges at the side edges and lower edge of the back plate, and outwardly projecting flanges at the rear edges of the side pieces and lower wall of the body portion for slidable engagement with the inturned flanges of the back plate, whereby said back plate forms an attaching plate for supporting the memorandum device

on a wall for slidable and detachable engagement of the body portion therewith; means on the body portion for supporting a paper roll therein, means on the body portion for supporting feed



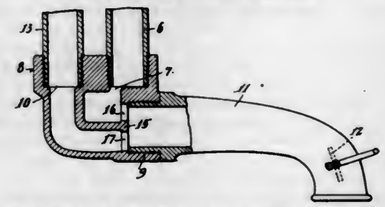
rollers between which the paper passes from the platen, and a cutting blade extending across the front of the body portion at one end of the platen.

2,152,867
GAME
Elvin M. Bright, Dayton, Ohio, assignor to John M. Wallace, Cincinnati, Ohio, as trustee
Application June 25, 1936, Serial No. 87,200
6 Claims. (Cl. 273—58)



1. A game ball consisting of a core of thermically sulphurized silica subsequently intermixed with asphalt molded under pressure while plastic and an outer shell of nitrocellulose material.

2,152,868
COMBINATION FIXTURE
Ernest H. Bucknell and Ralph E. Bletcher, Los Angeles, Calif.
Application April 29, 1937, Serial No. 139,675
10 Claims. (Cl. 4—148)



1. A combination fixture including an inlet and a pair of outlets, an orificed dividing plate within the fixture, a valved outlet member connected with one of said outlets, a valve mounted in the valved outlet member, the orifice member having a pair of orifices for controlling the flow to the outlets, one orifice being positioned between the inlet and the valved outlet member, and the other orifice being positioned between the valved outlet and the other outlet.

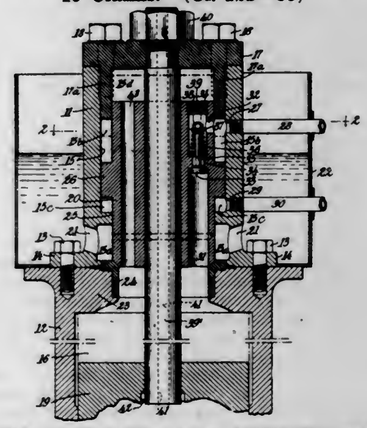
2,152,869
FLOWER HOLDER
Harry V. Campbell, Charleston, W. Va.
Application May 26, 1937, Serial No. 144,923
8 Claims. (Cl. 47—38)

1. A holder for flowers and like plants comprising a bamboo pole having a plurality of joints dividing the pole into sections, the joints between the respective sections of the pole serving to partition off said sections and provide one or a plurality of containers for flowers of like or different



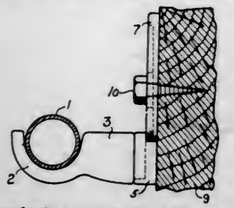
types, the wall of each section being formed with an opening for filling the containers and for the insertion and display of flowers or like plants, the pole being waterproofed.

2,152,870
PREFILL VALVE FOR HYDRAULIC PRESSES
Earl Cannon, Rockville Centre, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application January 21, 1937, Serial No. 121,528
19 Claims. (Cl. 121—38)



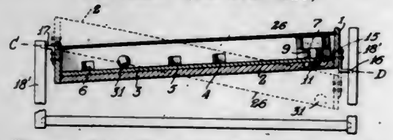
1. The combination in a hydraulic press or the like, of a source of supply of fluid at relatively high pressure, a source of supply of fluid at relatively low pressure, a substantially cylindrical reciprocating valve element having an inner end adapted to limit the flow of fluid between the latter source of fluid supply and an associated hydraulic press when the valve element is in a closed position, an annular hydraulic chamber, partly defined by an intermediate circumferential portion of said element and adapted to coact therewith whereby to move said element to a closed position, and a substantially separate hydraulic chamber, partly defined by the outer end of said element and adapted to coact therewith whereby to substantially hold the said element in a closed position.

2,152,871
PIPE BRACKET
Harry J. Charland, Lansing, Mich.
Application April 19, 1938, Serial No. 202,953
1 Claim. (Cl. 248—73)



A pipe bracket comprising in combination, an arm having a curved end portion adapted to carry a pipe, the other end of the arm having a terminal projecting portion constructed with upwardly and outwardly divergent sides, a holder for the arm constructed with a lower portion provided with a groove constructed to removably engage and to resist the downward displacement of said terminal by wedging action, said holder having an integral upwardly extending plate portion constructed with a lengthwise slot, the sides of the said slot being recessed longitudinally, said recesses being formed gradually deeper from the upper to the lower parts thereof, a support, an adjustable wedge block constructed to removably fit the said recessed edges of the slot in said plate and having a screw hole, and a headed screw passing through the said hole in the block to secure the holder to said support whereby downward displacement of the said holder is resisted by wedging action.

2,152,872
GAME APPARATUS
Robert V. Cheatham, Jr., St. Matthews, Ky.
Application July 22, 1935, Serial No. 32,511
4 Claims. (Cl. 273—110)



1. In combination, a support, a pivotally mounted game enclosure having a cover means, an inclined detachable game board mounted therein, a playing member adapted to roll down the board from an elevated position, holding means for said member adjacent one end of the game board and adapted to retain the playing member in a ready position prior to playing, releasing means for releasing said member from the holding means in order to initiate play, pivot means holding the enclosure in the support whereby the enclosure may be inverted in order to return a released playing member along the cover and into ready position behind the holding means.

2,152,873
FLUID LIFT PUMP
Walter L. Church, Houston, Tex.
Application June 10, 1937, Serial No. 147,535
8 Claims. (Cl. 103—233)

1. In combination an outer pipe and an inner pipe in a well bore, said inner pipe having outlets spaced apart along the pipe, valves arranged to control said outlets, and to be successively opened upon movement of the inner pipe in one direction and to be successively closed upon movement of the inner pipe in another direction, means for manually manipulating the inner pipe



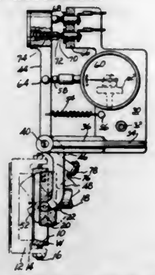
and means for anchoring the lower end of the inner pipe at different selected points of elevation in the well bore.

2,152,874
PRODUCTION OF HIGH PURITY CRYSTALLINE DEXTROSE
Charles J. Copland, North Kansas City, Mo., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 11, 1936, Serial No. 79,177
8 Claims. (Cl. 127—58)

8. Process of producing high purity crystalline dextrose hydrate from a starch converted dextrose solution by crystallization with temperature reduction and slow motion agitation which comprises: subjecting the converted liquor to a crystallizing operation and centrifuging the massecuite for a yield of first sugar; subjecting the first greens in a refined and concentrated state to a crystallizing operation and centrifuging the massecuite to give a yield of second sugar having a purity of between 92.5% and 97.5% and a water content of between 13% and 15%; mixing with the second sugar a dextrose solution having a purity of between 84% and 92% and a density of between 31° and 34° Baumé, in the proportion of 60–70% dry substance crystalline dextrose to 40–30% dry substance in the solution with the solution at a temperature to give the mixture a temperature of approximately 100° F.; reducing the temperature of this fillmass to about 78°–80° F. while continuing the mixing operation; and centrifuging the massecuite and washing the sugar with water.

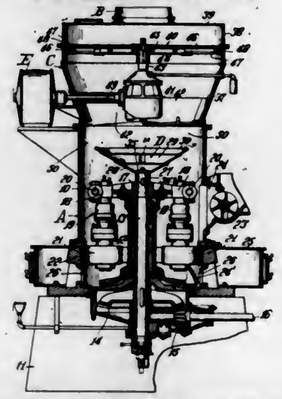
2,152,875
GRINDING, GAUGING, AND SIZING
Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 23, 1937, Serial No. 176,083
17 Claims. (Cl. 51—165)

1. The method of gauging a surface of revolution on a work-piece, which consists in urging a feeler to swing around an axis to press the feeler into contact with the surface at a point near that diameter of the piece which lies parallel to the feeler axis, and utilizing the movement of the feeler from a normal position to compare sizes; substantially as described.



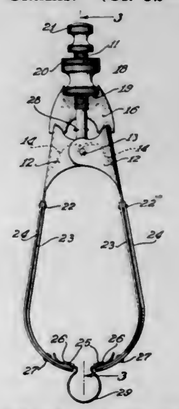
17. In a machine for generating a surface of revolution on a work-piece, means for supporting and rotating the piece, a grinding wheel engaging the surface, a wheel dresser located in the geometric continuation of the surface, and means engaging the surface for supporting and locating the dresser; substantially as described.

2,152,876
GRINDING AND CLASSIFYING APPARATUS
Joe Crites, Evanston, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application January 18, 1937, Serial No. 121,182
4 Claims. (Cl. 83—45)



4. A grinding and separating apparatus comprising a casing provided with a grinding chamber and having an inlet in its lower portion for an air stream and a separating chamber positioned above and in direct communication with the grinding chamber, the air stream carrying pulverized material upwardly in suspension from the grinding chamber to the separating chamber, a grinding mechanism in the grinding chamber, a revoluble deflector in the separating chamber for rejecting and returning downwardly toward the grinding chamber the heavier portions of material from the air stream, an outlet in the upper portion of the chamber for the discharge of pulverized material in suspension in the air stream, and a revoluble inverted conical member pivoted centrally between the grinding and separating chambers to rotate about a vertical axis with its periphery spaced from the casing wall to provide an annular space, the cone serving as a deflector to force the air stream to flow upwardly through the annular space adjacent the casing wall, and the upper surface of the cone serving as a receptacle for collecting materials gravitating downwardly from the separating chamber and returning these materials outwardly and upwardly by centrifugal force into the upwardly flowing air stream, whereby the lighter particles of this material may be again carried upwardly by the said air stream, and the heavier particles may gravitate downwardly through the annular space into the grinding chamber.

2,152,877
MATRIX RETAINER
Hagop Dagavarian, Chicago, Ill., assignor of one-half to Martin H. Chakoian, Chicago, Ill.
Application November 2, 1936, Serial No. 108,830
3 Claims. (Cl. 32—63)

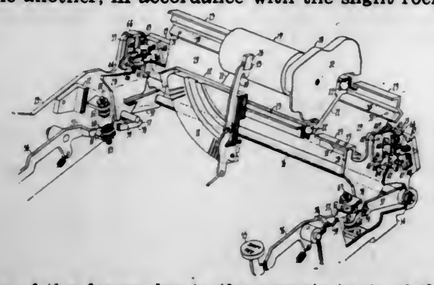


3. A dental matrix retainer, comprising a supporting member, a pair of actuating members mounted on said supporting member for movement relative thereto, a pair of matrix retaining arms pivotally mounted on each of said actuating members for swinging movement in a plane substantially at right angles to the plane of movement of said actuating members relative thereto and to each other, said arms being curved adjacent their matrix retaining ends out of the plane of movement of said actuating members and provided with rounded end portions adapted to have surface contact with the matrix in the tightening of the same around a tooth, a pin member disposed adjacent said rounded end portions on the inner surface of the inner ones of each of said pairs of arms for impaling the ends of the matrix, and a clip member mounted on the outer ones of each of said pairs of arms and having a bifurcated end adapted to engage the inner surface of said matrix and the associated pin member.

2,152,878
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 13, 1935, Serial No. 54,192
5 Claims. (Cl. 197—73)

1. In a portable typewriter, a main framework, a platen, a carriage, a track-frame for said carriage, means mounting and guiding said track-frame for case-shifting movement upon said framework, including a rock-shaft journaled in said framework and having fastened thereto arms pivoted to the carriage-track frame, and a single anti-friction roller playing between a raceway-bearing in each frame-end and a raceway-bearing in a companion member mounted

directly upon said main framework, the rollers co-operating with said shaft, arms and members to guide the carriage-track frame in case-shifting direction, said raceway-bearings and single roller being capable of pivoting movement relative to one another, in accordance with the slight rock-



ing of the frame due to the arcuate path of the points of connection of said arms with said frame, and case-shift stops mounted directly upon said main framework independently of said companion members for compactness, lightness and cheapness.

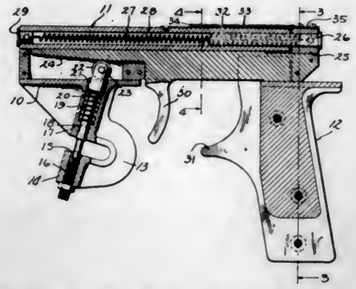
2,152,879
FISHHOOK DISGORGER
Benjamin L. Dorsey, Los Angeles, Calif.
Application April 19, 1937, Serial No. 137,741
7 Claims. (Cl. 43—29)



1. A fish disgorging implement comprisng a shank, a curved finger on one end of said shank and lying in the same plane therewith, and an upwardly and laterally projecting hook formed on said shank in front of said finger the terminal portion of which hook occupies a plane spaced apart from and parallel with said shank and curved finger and projecting in the opposite direction from said finger.

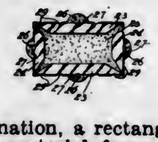
2,152,880
THICKNESS GAUGE
Charles R. Dowdy, Milwaukee, Wis., and Fred Doepke, deceased, late of St. Petersburg, Fla., by Annie Doepke, Fred C. Doepke, and William G. Hanson, executors, Milwaukee, Wis., assignors to Wrought Washer Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 11, 1936, Serial No. 68,250
5 Claims. (Cl. 33—147)

1. A thickness gauge including a frame and opposed members for contacting material to be gauged, one of the members being movable toward and away from the other, an indicator wedge guided by the frame and positioned against said movable member provided with a main spring



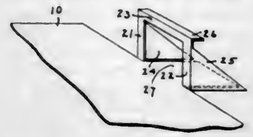
housed within the frame for resiliently urging the members together, and a light spring compressed between the frame and the movable member and opposed to the main spring whereby to urge the movable member toward the wedge.

2,152,881
TRANSPARENT MOUNTING DEVICE
Albert W. Engel, Chicago, Ill.
Application February 10, 1937, Serial No. 124,971
13 Claims. (Cl. 40—158)



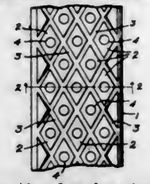
12. In combination, a rectangular cover sheet of transparent material formed with marginal flaps folded under its main area at all four sides, and an insert of fibrous sheet material disposed between said main portion of the cover sheet and said flaps, the transparent cover being slotted at one of its folded edges, and said insert having a tab projecting through said slot and gummed on its back surface for adhesive securement to another surface, whereby the cover is interlocked with the insert.

2,152,882
GAME
Lester Engel, Indianapolis, Ind.
Application November 6, 1937, Serial No. 173,216
4 Claims. (Cl. 273—94)



1. In a game having a playing board comprising a flat rectangular field having side-lines set in from its edge and a bounded central starting area having a central transverse line passing through the area and having a bounded penalty area at each end of the field, a goal at each end of the field located centrally of the respective penalty areas, each of said goals comprising a pair of post members hinged to the board and brace members hinged to swing into position to retain the posts in upright positions.

2,152,883
TIRE
Harrison Eudy, Cleveland Heights, Ohio, assignor to The Paine & Williams Company, Cleveland, Ohio, a corporation of Ohio
Application January 30, 1936, Serial No. 61,558
10 Claims. (Cl. 152—209)



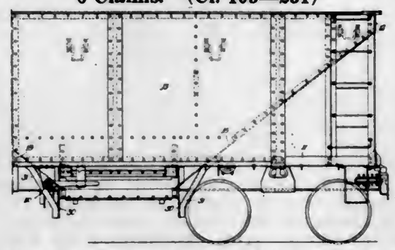
1. A pneumatic tire having tread portions isolated from each other circumferentially of the tire, said tread portions being provided with slits having contiguous or abutting walls when said tread portions are in normal unstressed condition.

2,152,884
GARMENT HANGER
Martin V. Gray, San Francisco, Calif., assignor of one-half to Wm. E. Schendel, Burlingame, Calif.
Application July 27, 1937, Serial No. 155,938
1 Claim. (Cl. 223—93)



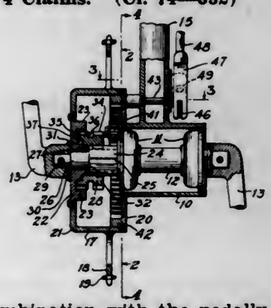
A garment hanger for positive clamping of garments thereon to insure against the likelihood of the garments slipping therefrom, said garment hanger comprising a bar, a hook on said bar for suspending the bar from a rod or other support, a clamping element movably supported on said hook, and an elastic band yieldingly urging said clamping element against said bar.

2,152,885
CAR CONSTRUCTION
David Hindahl, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a corporation of Maine
Application August 18, 1937, Serial No. 159,652
6 Claims. (Cl. 105—251)



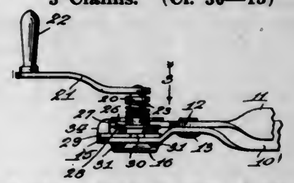
1. A car of the character described having a plurality of longitudinally disposed hoppers, said hoppers being provided with end aprons, each with a discharge opening, a door construction for said opening comprising a main and a secondary door between said aprons, said door construction having side frame members connected to each other adjacent one end by frame supports and spaced at their opposite ends to provide a free opening and having said secondary door pivoted to the frame support to swing into closed position between said spaced ends.

2,152,886
TWO-SPEED BICYCLE TRANSMISSION
Frank F. Hosmer, Glendale, Calif.
Application February 17, 1937, Serial No. 126,216
4 Claims. (Cl. 74—332)



1. The combination with the pedally actuated shaft of a bicycle and the bearing for said shaft, of a housing positioned adjacent said bearing and enclosing a portion of said shaft, an internally toothed clutch member arranged within the housing on one side thereof, an internal gear arranged within the housing on the other side thereof, said internal gear being larger in diameter than said clutch member, a sleeve mounted to slide lengthwise upon and rotate with said shaft within said housing, said sleeve having two sets of teeth, one set being adapted to engage the internal teeth of the clutch member within the housing, a pair of pinions mounted for operation within the housing, one of which pinions is adapted to be engaged by the other set of teeth on said sleeve, the other one of which pinions is adapted to engage the teeth of the internal ring gear, a pair of rods mounted to slide into said housing, a bifurcated yoke carried by the inner end of one of said rods and engaging the sleeve between the teeth thereon, the other one of said sliding rods carrying the pinion that engages the teeth of the internal ring gear, a cross bar mounted for operation on the frame of the bicycle and a slotted crank arm carried by said rock shaft and engaging said cross bar between said sliding rods.

2,152,887
CAN OPENER
Frank F. Hosmer, Glendale, Calif.
Application May 29, 1937, Serial No. 145,476
3 Claims. (Cl. 30—15)



1. In a can opener, a pair of pivotally connected handles, jaws projecting from the forward ends of said handles, a shaft mounted for rotation in the lower jaw, manually operable means mounted for operation on the lower jaw for imparting rotary motion to said shaft, a toothed

wheel carried by the forward end of said shaft, a separately formed blade detachably secured to the upper jaw, the lower portion of which blade overlies the upper portion of said toothed wheel and resilient means carried by the shaft on which the crank handle is mounted for holding the same against rotation until force is applied thereto.

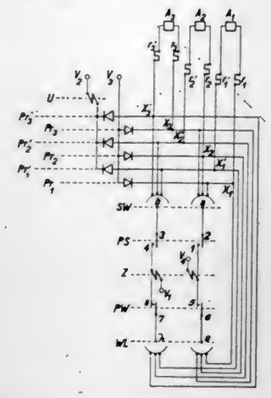
2,152,888
AUTOMATIC DRAG SCRAPER
James B. Hungate, Newburgh, and Herbert A. Strassweg, Evansville, Ind.
Application January 21, 1938, Serial No. 186,094
3 Claims. (Cl. 37—138)



3. In apparatus of the character described, a drag scoop, an elongated draft beam having means at its forward end for connection with a traveling power device, said beam being hollow and of substantially square cross-section and having pairs of spaced upstanding plates connected therewith and providing brackets thereon adjacent its opposite ends, a drag bar of corresponding substantially square cross-section slidable in said hollow beam and having means at its rear end pivotally connected with the sides of the scoop, an unloading bar having one end pivotally connected with the scoop at an elevation above the connection of the drag bar therewith and its other end disposed between and pivotally connected with the forward pair of bracket plates of the draft beam, said drag bar having adjacent its forward end a shoulder and a recess and at a rearward point having a pair of longitudinally spaced recesses, a stop on the draft beam adapted to be engaged by the shoulder of the drag bar when the latter is extended and the scoop is in dumping position, a latch pivotally mounted between the rearward pair of bracket plates of the draft beam and engageable with said spaced recesses for holding the scoop in riding and loading positions and engageable with the forward recess for holding the scoop in a spreading position, said recesses and latch being shaped to cause disengagement of the latch by backward movement of the power device and draft beam, and means manually operable to cause disengagement of said latch.

2,152,889
TELEPHONE SYSTEM
Jerzy Jędrychowski, Warsaw, Poland, assignor to Panstwowe Zaklady Tele-i Radjotechniczne W. Warszawie, Warsaw, Poland
Application May 28, 1936, Serial No. 82,262
In Poland May 31, 1935
6 Claims. (Cl. 179—18)

1. In an automatic telephone and signalling exchange having line finders, the sub-combination of: subscriber lines; rectifiers through which said subscriber lines are connected in parallel with one another; a common relay to which said subscriber lines are connected; a current source feeding current to said relay; a current source feeding current to said subscriber lines individually during suitable working periods, the plus pole of the first mentioned current source having a lower potential than the potential of the plus pole of the second mentioned current source, whilst the minus pole of the first mentioned current source has a higher potential than the minus pole of the second mentioned current source, the

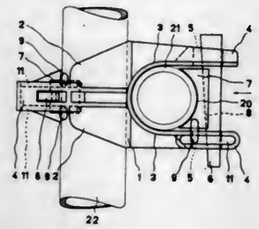


rectifiers being so connected that the current flows from the plus pole of the first-mentioned current source to the minus pole of said source.

2,152,890
PROCESS FOR THE PRODUCTION OF CHLORINATED UNSATURATED PETROLEUM HYDROCARBONS
Herman B. Kipper, Accord, Mass.
No Drawing. Application July 7, 1936, Serial No. 89,463
6 Claims. (Cl. 260—654)

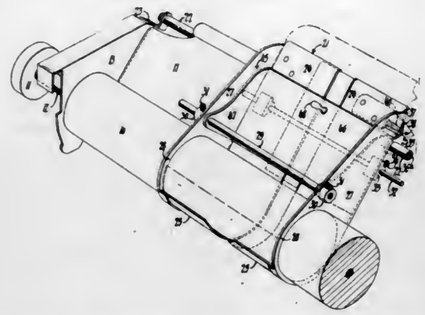
1. In a process for the synthesis of chlorinated unsaturated petroleum hydrocarbons, the step of partially oxidizing chlorinated petroleum hydrocarbons, by means of oxygen in the presence of an inert gas and with the aid of copper chloride as a catalytic material and at a temperature of one hundred and fifty to four hundred degrees centigrade.

2,152,891
PIPE SUPPORT
Johan Friedrich Köhnke, Haarlem, Netherlands
Application July 6, 1936, Serial No. 89,109
In the Netherlands July 18, 1935
6 Claims. (Cl. 189—36)



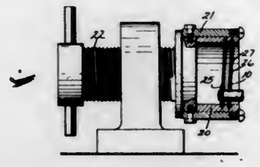
3. A pipe support comprising in combination two saddle-shaped pipe rests extending in opposite directions with their backs fixed to each other, a pair of arms extending from each of these rests, a clamping piece with a concave inner surface arranged between the arms of each pair and with a groove forming a guide for a wedge and wedges extending through openings near the ends of said arms to force said clamping pieces down on the pipes supported in said rests.

2,152,892
TYPEWRITING MACHINE
Adolph G. Kupetz, New York, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 28, 1935, Serial No. 56,463
2 Claims. (Cl. 197—133)



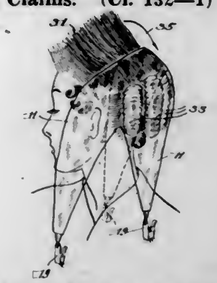
1. In a front strike typewriter having a revoluble platen and tangent feed roll by which a continuous work web is advanceable from the rear or intake side of the platen; means for guiding, and preventing skewing of, said web, comprising a web chute at the intake side of the platen having a floor and also having web-edge-guiding sides, a plate having web pressing side margins, said plate being nested in said chute for presenting said margins against the chute-floor-overlying web and along the chute sides, and means hinging said plate at a platen-paralleling axis that is in a plane perpendicular to the web floor at the front of the plate, the plate extending mat-wise from said plane rearwardly or away from the platen, whereby the drag of the advancing web upon the plate tends to turn the latter and press it upon the web, said axis being extensively distant off the chute floor and said plate having, correspondingly, a long hinge arm reaching to said axis for permitting the plate to be swung upwardly and forwardly over the platen.

2,152,893
METHOD OF MAKING HELICAL PACKING RINGS
Matthew G. Kurth, Madison, Wis.
Application October 2, 1935, Serial No. 43,183
1 Claim. (Cl. 29—156.6)



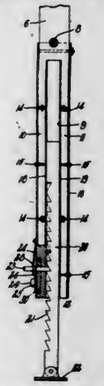
The process of making a helical threaded packing element, which process includes the cutting of a relatively wide groove in a tubular blank to provide a helical thread thereon, the cutting of a groove narrower than the first mentioned groove and in the bottom thereof between successive turns of the thread formed on said blank, and the peripheral machining of the blank to intersect the narrower groove, whereby to free the coils of a helix on which such thread is carried.

2,152,894
TRANSPARENT SECTION WAVER
Mary Ellen Langlois, Lyons, N. Y.
Application January 5, 1938, Serial No. 183,505
5 Claims. (Cl. 132—1)



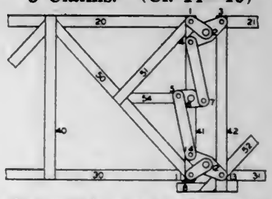
1. A device for holding a waved section of hair while another section thereof is being waved, comprising a generally triangular piece of transparent sheeting to be placed in a single layer over the section of the hair that has been waved while leaving the unwaved section uncovered, and holding means associated with the corners thereof.

2,152,895
STABILIZER FOR LADDERS
Raymond A. Longtin, Bennington, Vt.
Application July 22, 1937, Serial No. 154,993
5 Claims. (Cl. 228—63)



1. A stabilizer for ladders having, in combination, a casing adapted to surround a bifurcated lower end portion of a side piece of a ladder and conform to the contour thereof, a leg slidably mounted within said casing and constituting an extension for said side piece, and means to hold said leg at different elevations in said casing.

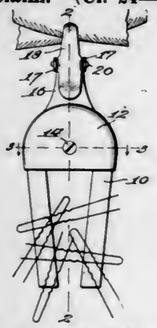
2,152,896
STRUCTURE
Thomas Maddock, Phoenix, Ariz.
Application September 4, 1936, Serial No. 99,333
3 Claims. (Cl. 14—16)



3. A mechanism in spans of structures, located

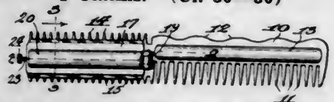
other than at piers or supports, consisting of toggle joints in each chord, said toggles being connected, insuring their simultaneous movement to control the length of the chords; together with a member maintaining the alignment of the chords and sustaining the shear stresses.

2,152,897
MAGNET CLIP
Arthur H. Madore, Los Angeles, Calif.
Application August 7, 1935, Serial No. 35,047
1 Claim. (Cl. 24—73)



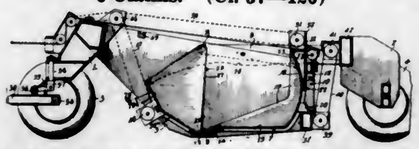
A clip for horseshoe magnets comprising a substantially, semi-circular plate, a finger projecting outwardly from the central portion of the curved edge of said plate, a jaw pivotally mounted on said finger, a spring arranged between said finger and jaw for normally pressing the outer end of the jaw against the outer end of said finger, a substantially semi-circular plate adapted to overlie the yoke portion of a horseshoe magnet, a flange projecting at right angles from the upper and side edges of said second-mentioned plate, which flange bears directly against the outer edge of the curved yoke of the magnet that is positioned between said plates and against the edge of the first mentioned semi-circular plate, a flange projecting at right angles from the lower edge of the second mentioned semi-circular plate, which last mentioned flange projects between the legs of the magnet, a screw passing through both plates within the yoke of the magnet, a nut screw seated on the threaded end of said screw and both plates being indented for the reception of the head of said screw and the nut positioned on the threaded end of the shank thereof.

2,152,898
HAIR CUTTING AND SHAPING IMPLEMENT
Arthur H. Madore, San Leandro, Calif.
Application May 1, 1936, Serial No. 77,345
4 Claims. (Cl. 30—30)



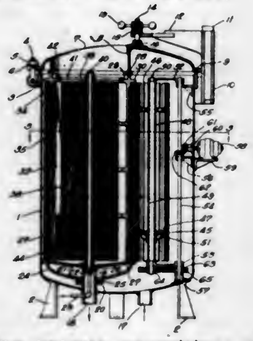
1. In a hair cutting and shaping implement, an elongated substantially flat plate comprising a comb body and a handle, a series of conventional comb teeth formed along both edges of said comb body, comb teeth formed on one edge of the handle portion of said plate, a pair of double-edged blades detachably applied to the side faces of said comb body with the edges of said blades positioned adjacent said oppositely disposed sets of comb teeth and blade clamping members hinged at one end to the end of said comb body for holding the blades against said comb body.

2,152,899
CARRY TYPE SCRAPER
Earl B. Maloon, South Pasadena, Calif., assignor to Southwest Welding and Manufacturing Co., Inc., Alhambra, Calif., a corporation of California
Application February 6, 1937, Serial No. 124,406
6 Claims. (Cl. 37—126)



1. In a scraping implement, the combination of a frame including a forward truck with wheels supporting the same, and a rear truck with wheels supporting the same, a frame supported on the trucks and including side plates, a transverse shoe secured between said side plates, a bowl pivotally mounted to swing up and down on an axis adjacent the shoe, a pivotally supported apron cooperating with the bowl to retain its load, and means operating when actuated, to swing the apron forwardly and upwardly first, and then to swing the bowl upwardly about its axis at the shoe, for dumping the load.

2,152,900
PROCESS OF COUNTERCURRENT FABRIC FILTRATION
Fred W. Manning, Altadena, Calif., assignor to F. W. Manning Company, Ltd., Los Angeles, Calif., a corporation of California
Application October 29, 1934, Serial No. 750,460
Renewed November 19, 1938
20 Claims. (Cl. 210—177)

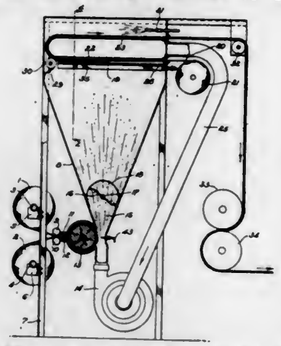


1. A filtering process comprising: passing a fluid through a filter member supported by a retaining wall, under a filter differential pressure; reversing the filter differential pressure to a filtrate differential pressure; and moving the filter member and retaining wall relatively to renew a portion of the filter member during the reversal of the filter differential pressure.

2,152,901
METHOD OF MAKING FILTER FABRIC
Fred W. Manning, Pasadena, Calif., assignor to F. W. Manning Company, Ltd., Los Angeles, Calif., a corporation of California
Application September 5, 1936, Serial No. 99,634
7 Claims. (Cl. 154—33)

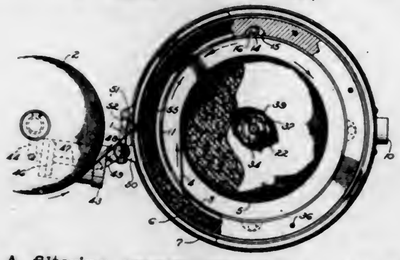
1. The method of making an extensible filter fabric comprising: moving reinforcing threads onto a foraminous supporting member; simultaneously retracting the length of the reinforcing threads; dispersing a fibrous material in a current of elastic fluid; and passing the said fluid

through the retracted reinforcing threads and foraminous supporting member to deposit the



dispersed fibres on the said retracted reinforcing threads.

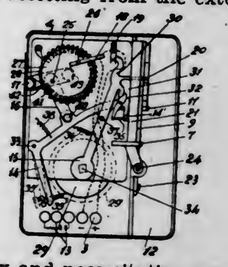
2,152,902
PROCESS OF CONTINUOUS DEPTH FILTRATION
Fred W. Manning, Altadena, Calif., assignor to F. W. Manning Company, Ltd., Los Angeles, Calif., a corporation of California
Application September 18, 1936, Serial No. 101,460
5 Claims. (Cl. 210—196)



1. A filtering process comprising: passing a fluid through a filter bed of contiguous layers of filter material supported by a retaining wall; retracting the retaining wall away from the filter bed; moving the filter bed and retaining wall relatively during the said retraction of the retaining wall; and interposing a fresh layer of filter material between the filter bed and retaining wall during the said relative movement.

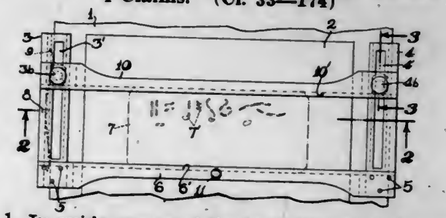
2,152,903
RADIO RECEIVER COMBINED WITH COIN COLLECTOR BOXES
Domenico Mastini, Rome, Italy
Application January 24, 1935, Serial No. 3,257
In Italy January 26, 1934
5 Claims. (Cl. 194—73)

1. The combination, with a radio receiver having exterior contacts connected to the interior circuits thereof, of a detachable coin collector box adapted to engage with said exterior contacts and containing two distinct means for periodically breaking the radio circuit of said radio receiver, means for again reestablishing said circuit and causing the receiver to resume operation, the one breaking means automatically operating at short intervals of time and the other at relatively longer intervals of time, coin operated means operatively associated with said first circuit breaking means and causing the same to close the circuits of said receiver so as to allow said receiver to operate, and means associated with the second circuit breaking means which operates at longer time intervals, locking the same against resetting from the exterior of said



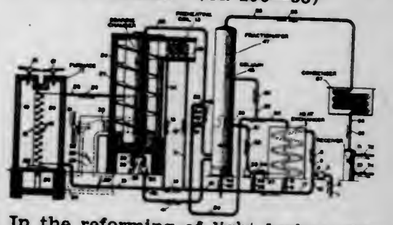
detachable box and necessitating removal of the same in order to obtain access thereto for the purpose of resetting said second means in operative position.

2,152,904
LETTERING GUIDE OR THE LIKE
Inez L. McNeil, San Francisco, Calif.
Application April 29, 1938, Serial No. 205,063
4 Claims. (Cl. 33—174)



1. In guide means of the kind described, frame members adapted to slidably engage the opposite side edges of a work board, and a pair of normally spaced bars secured to the frame members and adapted to extend transversely across the work board, the said bars being normally spaced from the work board on which it is mounted, and the said frame members having means at their adjacent side edges for adjustably holding a lettering guide member.

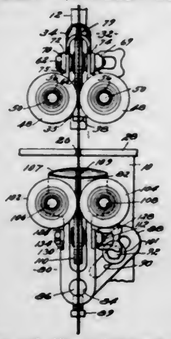
2,152,905
CONVERSION OF HYDROCARBON OILS
Lev A. Mekler, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 13, 1935, Serial No. 26,332
8 Claims. (Cl. 196—58)



6. In the reforming of light hydrocarbon distillates containing low anti-knock gasoline fractions to enhance the anti-knock value thereof, the method which comprises passing the low anti-knock distillate in a restricted stream through a heating coil and heating the same therein to reforming temperature under substantial superatmospheric pressure, then introducing the dis-

tillate, promptly upon its elevation to reforming temperature, into the lower portion of an enlarged vertical soaking chamber maintained under substantially the same pressure as prevails at the outlet of the coil, said lower portion of the chamber being unheated and there being effected in this unheated portion of the chamber a separation of vapors from residual liquid and heavy polymerization products, externally heating the remaining portion of the chamber sufficiently to maintain the vapors therein at or near the maximum temperature attained by the distillate in the coil, removing said liquid and heavy products from the lower portion of the chamber, passing the vapors upwardly through the heated portion of the chamber and retaining them in the chamber for a sufficient time to effect substantial reforming thereof into high anti-knock gasoline. removing the reformed vapors from the upper portion of the chamber and fractionating and condensing the same.

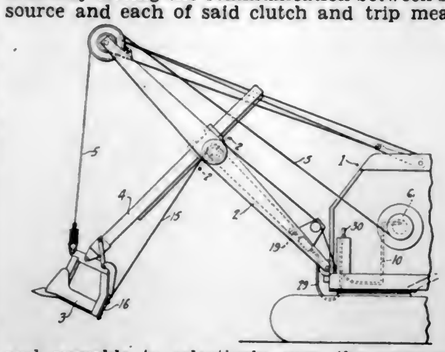
2,152,906
BAND SAW GUIDE
Harry G. Miller, Kansas City, Mo.
Application August 12, 1936, Serial No. 95,583
1 Claim. (Cl. 143—162)



In a band saw of the character described, a saw blade guide comprising a plate carried by the band saw frame and universally adjustable in a given plane; means for securing said plate in a predetermined position; a trunnion carried by said plate at a right angle thereto; a housing pivotally and slidably mounted for longitudinal movement on said trunnion; means for securing said housing against movement on said trunnion; a pair of rotatably mounted rollers on said housing adapted to respectively engage opposite sides of said band saw blade; a roller with its axis of rotation positioned at a right angle to the axis of said first named rollers adapted to engage the rear edge of the band saw; and means associated with each of said rollers whereby they are independently adjustable to and from said blade.

2,152,907
DIPPER TRIP CONTROL
George E. Miller, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application September 27, 1938, Serial No. 231,948
4 Claims. (Cl. 214—146)

1. In combination in a machine of the class described, a dipper, a hoisting means for said dipper including a hoist drum, a vacuum actuated drive clutch means for said drum, vacuum actuated trip means for said dipper, a vacuum source adapted to have communication with said clutch means and said trip means, and means normally closing the communication between said source and each of said clutch and trip means,

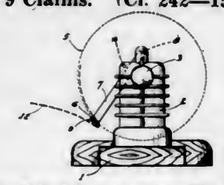


and operable to selectively open the communication between said source and either of said means.

2,152,908
DEHYDROGENATION OF HYDROCARBONS
Jacque C. Morrell and Aristid V. Grosse, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 11, 1936, Serial No. 79,217
6 Claims. (Cl. 196—52)

3. In the dehydrogenation of paraffinic hydrocarbons by splitting of hydrogen therefrom, the improvement which comprises effecting said dehydrogenation in the presence of an oxide of praseodymium.

2,152,909
SPOOL SNUBBER
Carl E. Mueller, Milwaukee, Wis., assignor to General Printed String Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 9, 1936, Serial No. 89,798
9 Claims. (Cl. 242—156)

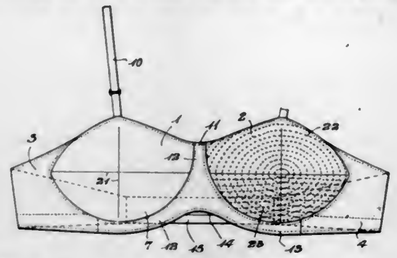


1. In a spool holder, a supporting member having a pair of relatively spaced bearing supports, a twine bearing spool rotatably mounted on the bearings, and a spool snubber movable about a pivotal axis above said bearings, said snubber being normally engaged with the spool below a horizontal plane passing through the axis of said bearings and being automatically disengageable therefrom when rotative power is applied to the spool, by means of said twine, said twine being operative to disengage said snubber and said snubber being automatically engageable with the spool when said rotative power is not applied to said spool.

2,152,910
BRASSIÈRE
Margia K. Childs, Jacksonville, Tex.
Application April 22, 1938, Serial No. 203,692
3 Claims. (Cl. 2—42)

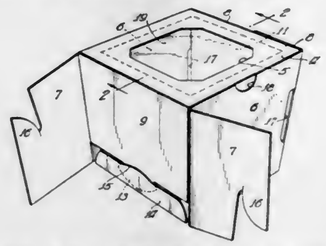
1. A bust molding and supporting construction comprising a pair of breast-receiving pockets pre-

formed to approximately conical shape, and a plurality of lines of stitches carried by each of said pockets, said lines of stitching originating and terminating in the lower half of each pocket and extendng from one side of the lower half toward the other side, then passing upwardly into the upper half, encircling the apex of the pocket, entering the lower half on the side of origination,



crossing themselves in the lower half of the pocket, and then extending into said other side of the lower half to form an overloop, the ends of said loop extending in a virtually horizontal plane in said lower half of the pocket, whereby said stitching forms side to side tension members adapted to resist sagging of the breast while permitting the upper portion to be suitably molded.

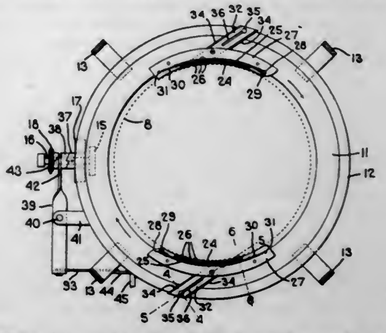
2,152,911
CARTON
Paul A. Nemoede, Louisville, Ky., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application February 14, 1938, Serial No. 190,475
7 Claims. (Cl. 229—16)



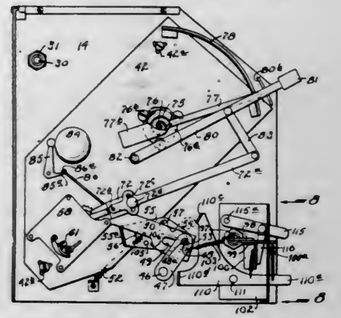
1. A box of the character described comprising, a single sheet of material cut, scored and folded to provide a generally cubical container having a top wall, side walls attached to said top wall, a bottom wall disposed above the bottom edges of the side walls and integrally attached along one edge to one of said side walls, the opposite edge of said bottom wall having a downwardly extending flange normally disposed in proximity to a bottom edge portion of the adjacent side wall, a locking tongue on said side wall, said bottom wall having a slit of irregular form in length therethrough adjacent to said flange and arranged to releasably receive the locking tongue to interlock said side wall with the bottom wall.

2,152,912
BRUSHING ATTACHMENT FOR KNITTING MACHINES
Fulton D. Oakes, Jamaica Plain, Mass.
Application August 24, 1938, Serial No. 226,409
8 Claims. (Cl. 66—147)

1. The combination with a knitting machine adapted to knit and deliver a tubular fabric, a napping brush adapted to engage the surface of the fabric as it is delivered from the knitting machine, means to rotate the brush around the fabric while in engagement therewith, and means actuated by the knitting machine for rendering the brush-rotating means operative or inoperative while the knitting is in operation.



2,152,913
TOASTING MACHINE
Lester E. Padelford, North Arlington, and John Joseph Ambrose, Newark, N. J., assignors to Savory Appliance, Inc., Newark, N. J., a corporation of Delaware
Application September 14, 1935, Serial No. 40,536
12 Claims. (Cl. 161—16)

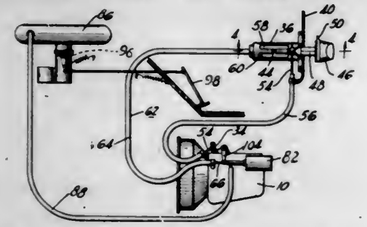


5. In a device of the character described an oven, food carrying means movable into and out of said oven, an indicator responsive to variations in the temperature of said oven, latching means for automatically locking said food carrying means within said oven, means for automatically releasing said latching means at the end of a predetermined time interval, including a time controlled mechanism, a setting device connected with said time controlled mechanism for varying the said time interval, a manually operable indicating device positioned near said indicator whereby said indicator serves as a point of reference for positioning said manually operable indicating device, and a linkage providing a variable relative movement between said manually operable device and said setting device.

11. A culinary device of the type wherein food carrying means are manually movable into an oven compartment and held within said oven compartment for a predetermined time interval, characterized by heating means within said oven compartment and means for supplying fuel to said heating means, including a valve movable from a substantially fully opened position to a partially opened position, latching means for

holding said food carrying means in said oven compartment, a time controlled mechanism for releasing said latching means at the end of a predetermined time interval, connections between said latching means and said valve for normally holding the latter in its fully opened position when said food carrying means is within said oven and for moving said valve to its partially opened position when said food carrying means is moved out of said oven compartment, and a manually operable setting mechanism provided for causing said valve to be held in its partially open position when said food carrying means is moved into said oven compartment.

2,152,914
GEAR SHIFTER
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 21, 1937, Serial No. 154,736
3 Claims. (Cl. 74—335)



3. In an automotive vehicle having a supporting member, a change speed transmission having a plurality of shifter bars, a selector member mounted for reciprocating movement to selectively engage said bars, power means including a pressure responsive element connected to said selector member for shifting the latter and shifter bar engaged thereby, valve means for controlling the energization of the power means, manual operating means, means for mounting the last named means on the supporting member for movement in two perpendicular planes, mechanical means including a longitudinally movable member for connecting said selector member and manual operating means for controlling the shifter bar engaging movement of the selector member in accordance with movement of the manual operating means in one of said two planes, and other mechanical means separate from said first mechanical means for connecting the valve means and manual operating means to control the valve means in accordance with movement of the manual means in the other of said two planes.

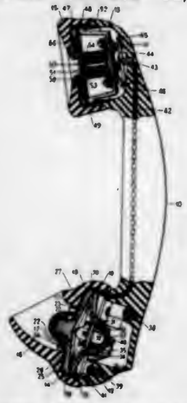
2,152,915
TELEPHONE INSTRUMENT
Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 6, 1937, Serial No. 124,425
6 Claims. (Cl. 179—103)

1. A telephone hand set comprising transmitter and receiver cups each including contact members, self-contained transmitter and receiver cells each including contact members for individually engaging the corresponding contact members of the corresponding cup, ear and mouth pieces associated with corresponding ones of said cells, means for securing each of said cells in assembled relation and in its corresponding cup independently of the corresponding one of said pieces associated therewith and in a position such that the associated contact members



are in firm engagement, and means for securing each of said pieces to its corresponding cup.

2,152,916
TELEPHONE INSTRUMENT
Harold C. Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application February 6, 1937, Serial No. 124,425. Divided and this application September 23, 1937, Serial No. 165,257
1 Claim. (Cl. 181—31)



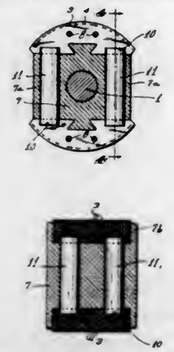
A diaphragm assembly for an electrical translating device comprising, in combination, a member having an annular clamping surface and provided with an externally threaded portion, another member having a cooperating clamping surface and provided with an internally threaded portion adapted to mate with the threads of said first-mentioned member, said second-mentioned member having a tapered recess therein disposed adjacent the clamping surface thereof, a diaphragm having a peripheral portion arranged adjacent the annular clamping surface of said first-mentioned member, an annular dish-shaped spring seated in the tapered recess in said second-mentioned member and provided with a portion projecting free of the tapered recess and extending between the peripheral portion of said diaphragm and the clamping surface of said second-mentioned member, said annular dish-shaped spring being so constructed and

arranged that the outer peripheral edge thereof initially engages the peripheral portion of said diaphragm and the body portion thereof is flattened and forced into engagement with the peripheral portion of said diaphragm when said second-mentioned member is screwed onto said first-mentioned member, whereby said diaphragm is stretched and the peripheral portion thereof is uniformly clamped thereabout to the annular clamping surface of said first-mentioned member.

2,152,917
SILICATE-CONTAINING PRODUCTS AND PROCESSES OF MAKING
Sverre Quisling, Madison, Wis.
No Drawing. Application May 7, 1935, Serial No. 20,189
8 Claims. (Cl. 106—30)

1. The process which includes mixing a solution of sodium silicate having an alkali to silica ratio of from 1:1.58 to 1:2 with diethylene oxide solution of phenol, adding acetone to the resulting solution so as to form a plastic and separating the product.

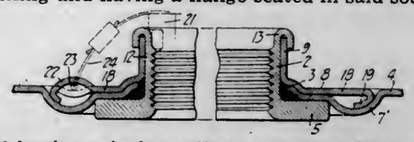
2,152,918
MAGNETO-ELECTRIC MACHINE
Curt F. Reis, Chicago, Ill.
Application November 20, 1937, Serial No. 175,576
3 Claims. (Cl. 171—209)



1. In a rotor for a magneto of rotating field type, a shaft, a plurality of bar magnets disposed on opposite sides of and arranged transversely to the shaft, a pair of pole shoes of laminated construction defining at least a portion of the periphery of the rotor, the laminations of which each such shoe is formed including a number thereof edgewise abutting the adjacent end faces of the bar magnets, a plurality of additional laminations having corresponding portions of greater width than those engaging the end faces of the bar magnets, and additional laminations in the shoe arranged laterally beyond each of the bar magnets in a direction axially of the rotor, the laminations of relatively greater and lesser width being relatively so assembled in the shoe as to provide sockets for the reception of and fully embracing the ends of the bar magnets, and means for securing the shoes and magnets in assembled relation to the shaft.

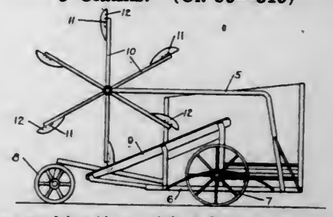
2,152,919
BUNG FITTING
Richard S. Rheem, Oakland, Calif., assignor, by mesne assignments, to James P. Hume, Chicago, Ill.
Application August 19, 1936, Serial No. 96,766
3 Claims. (Cl. 285—49)

1. In a bung fitting, a container wall having an opening therein, an embossment in said wall surrounding said opening and providing a socket on one side of said wall and a channel on the reverse side of said wall, the stock of said wall, except for said embossment being in generally a single plane, a bushing extending through said opening and having a flange seated in said socket



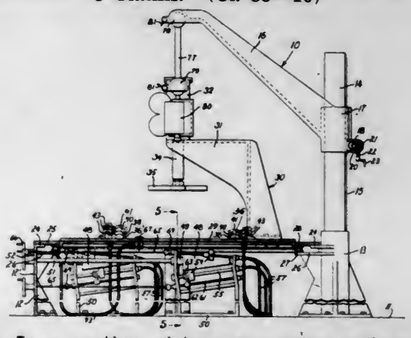
and having a body portion protruding from said opening at said reverse side of the wall, a backing member having a portion engaging said wall and said body portion to secure the same in fixed relation and having an extending portion bridging said channel and engaging the wall of the same on the remote side thereof.

2,152,920
HARVESTER ATTACHMENT
Ernest Ristau, Davenport, Iowa
Application September 22, 1937, Serial No. 165,093
3 Claims. (Cl. 56—315)



3. In combination with a harvester, and mold-board thereof, and a reel rotatably mounted on said harvester, a knife attached to said reel, and movable in a path adjacent to said mold-board, to shear a quantity of vines accumulated thereon.

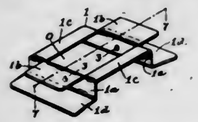
2,152,921
APPARATUS FOR MAKING MOTION PICTURES
Willard C. Robinette, Pasadena, Calif.
Application February 26, 1936, Serial No. 65,799
3 Claims. (Cl. 88—16)



1. In a motion picture apparatus, a base, a table on said base, a plurality of slidably mounted parallel background cell engaging members on said table, and means to move said background cell engaging members, said means including a cone member adapted to be rotated, a plurality of wheels engaging said cone and adapted to be rotated thereby, means to independently

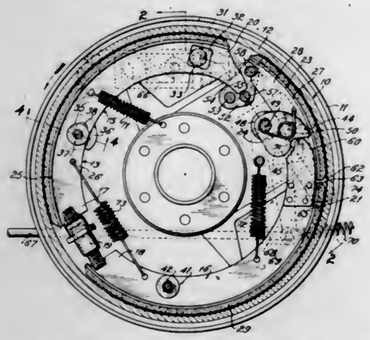
shift said wheels along said cone, a rack on each of said cell engaging members, a gear engaging each of said racks, and means connecting said wheels to said gears.

2,152,922
ZONAL HEMORRHAGE-CHECKING COMPRESSION PLATE
Wallace W. Robinson, Portland, Maine
Application June 30, 1937, Serial No. 151,218
6 Claims. (Cl. 128—327)



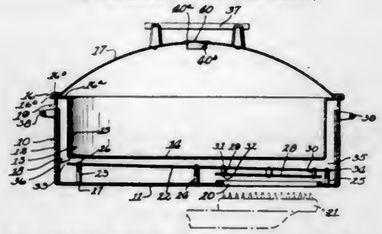
3. A device of the class described comprising two arcuate, longitudinally bent base flanges, an interconnecting channel-shape structure disposed on each side of said device, the horizontal, web portions of said channel-shape structure constituting strap-carrying bridge-bars, two angular finger-hold elements disposed above the inner ends, respectively, of said base flanges, leaving a wound-inspecting opening in the top of said device, and a strap adapted to be looped around one of said bridge-bars, thence passing in double layer around the body to be bound and then reeved under the opposite of said bridge-bars, whereby upon placing a moderate strain on both layers of the strap and tucking the outer layer beneath the two layers under tension, consecutive pulls on the inner layer of strap alternating with slack-take-up pulls on the outer layer eventually brings the desired and predetermined tension on the body being bound.

2,152,923
WHEEL BRAKE
Robert C. Russell, Shaker Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 27, 1936, Serial No. 113,013
5 Claims. (Cl. 188—78)



1. In a brake the combination of a rotatable drum, a friction device for cooperation with a surface thereof, an actuator shoe engageable with the drum and adapted upon rotation of the drum in either direction to be shifted thereby to act on the friction device to apply the same, driver-operated means for applying the actuator shoe, and means whereby torque reaction from the braking operation in one direction of drum rotation opposes the driver-operated means.

2,152,924
COOKING UTENSIL
Bradley A. Rutenber, Milwaukee, Wis.
Application March 1, 1937, Serial No. 128,303
10 Claims. (Cl. 126—275)

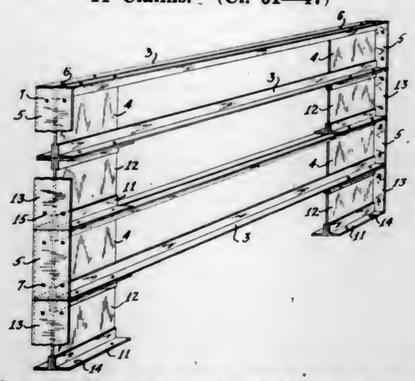


1. A cooking utensil including an outer shell and an inner receptacle having walls providing a passageway for the upward flow of heated gases, an inlet opening for said passageway unequally spaced from different side wall portions of said inner receptacle, an outlet for said passageway at the upper level of said utensil and means for equalizing the heating of said different side wall portions including means limiting the flow of gases adjacent the side wall portions nearest said inlet relative to other side wall portions.

2.152,925
MANUFACTURE OF TRANSPARENT FLEXIBLE SHEETS
Ernest Saraga, Bucharest, Rumania
No Drawing. Application August 19, 1936, Serial No. 96,817. In Rumania August 29, 1935
1 Claim. (Cl. 91—68)

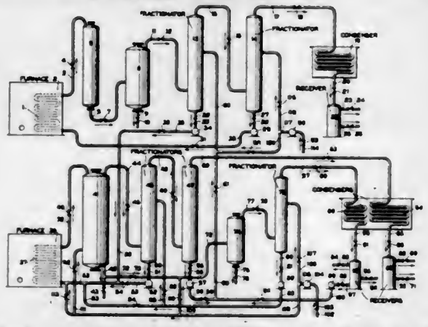
In the manufacture of flexible highly resistant transparent sheets of gelatine treated with a small quantity of at least one sulphonate of a higher aliphatic alcohol, the steps of: treating the surfaces of said sheets with an aqueous solution of glycerine to maintain said sheets in a soft and moist condition; and impregnating said sheets with a mixture composed of a cellulose ester and a tanning agent.

2,152,926
CRIBBING
Walter D. Schenk, Cleveland, Ohio
Application July 13, 1936, Serial No. 90,287
11 Claims. (Cl. 61—47)



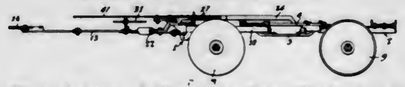
1. A cribbing structure, comprising stretcher and header members, said header members being self-contained units of open form and each consisting of upper and lower metal bars, intermediate means secured in spaced relation between said metal bars, and cover members at the ends thereof, and means for securing said stretcher members to said cover members.

2,152,927
CONVERSION OF HYDROCARBON OILS
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 23, 1934, Serial No. 721,905
3 Claims. (Cl. 196—48)



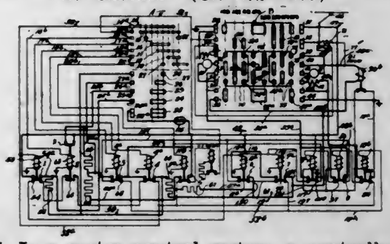
1. A conversion process which comprises cracking hydrocarbon oil under pressure in a cracking zone, removing vapors and unvaporized oil from said zone, subjecting the vapors to primary and secondary fractionation, returning resultant primary reflux condensate to said cracking zone, cracking lighter fractions condensed by the secondary fractionation in a second cracking zone at higher temperature than the oil in the first-named zone, separating the resultant products into vapors and residue in a reduced pressure separating chamber, fractionating the last-mentioned vapors and separating relatively heavy and light reflux condensates therefrom, supplying the heavy and light reflux condensates thus formed respectively to the first-named zone and said second zone, introducing unvaporized oil withdrawn from the first-named zone into a second reduced pressure chamber and therein flash distilling the same independently of said products from the second cracking zone, introducing charging oil for the process to said second chamber and distilling the same therein, removing the commingled charging oil vapors and flashed vapors from the second chamber and fractionally condensing the same to form a heavy condensate and a lighter condensate, and supplying these heavy and lighter condensates respectively to the first-named cracking zone and said second cracking zone.

2,152,928
DISK HARROW
Oscar W. Sjogren, Huntington Park, and Rollie H. Mitchell, South Park, Calif., assignors, by mesne assignments, to Killefer Manufacturing Corporation, a corporation of California
Application April 1, 1935, Serial No. 14,000
17 Claims. (Cl. 55—83)



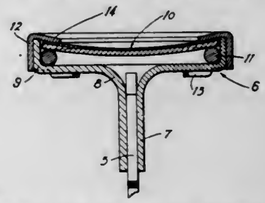
1. In a device of the class described, a pair of tandem disk gangs, means for pivotally connecting said gangs together, a hitch connected to the forward of said gangs, said hitch being capable of moving relative to said forward gang of disks, a draft means, means for pivotally connecting the hitch with the draft means, an arm rigid on the draft means extending laterally relative to the hitch, and means operatively connected between the arm and the front disk gang and operative upon turning of the draft means through said arm to pull the end of the front gang of disks forwardly to permit said gang of disks to follow the draft means in making the turn.

2,152,929
CONTROLLER FOR MINE LOCOMOTIVES
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1935, Serial No. 29,614
17 Claims. (Cl. 172—179)



17. In a motor control system, a controller including a control drum and a reverse drum, a motor, a series of electrical contactors controlled by said control drum for making or breaking a main line circuit and cutting resistance from or into said motor, a series of contacts on said control drum for controlling operation of said contactors, means on said reverse drum for switching said motor to operate as a generator for dynamically braking the locomotive, a series of manual contacts on said control drum adapted to make or break the main line circuit independently of said contactors, said manual contacts being so arranged with respect to said contacts for controlling said contactors as to cut resistance into or out of the motor circuit one step later than said contactors to prevent arcing between said manual contacts when said contactors are in the circuit, and said manual contacts being so arranged as to control dynamic braking of said motor independently of said contactors.

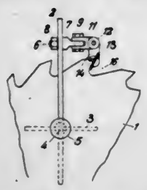
2,152,930
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application November 15, 1933, Serial No. 698,063. Divided and this application March 14, 1938, Serial No. 195,717
7 Claims. (Cl. 197—102)



1. A key for use with a typewriter or the like, comprising in combination, a member adapted for mounting on a key-lever, a normally flat disk,

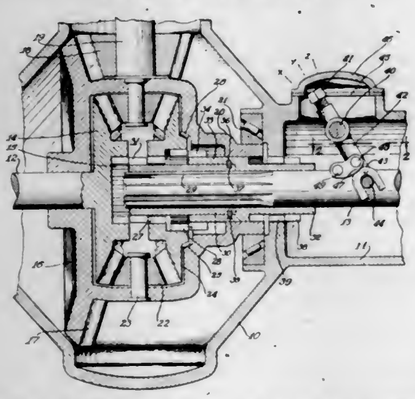
means carried by said member for supporting said disk adjacent its periphery only, and a cap secured to said member and having an inturned downwardly directed brim overlying said supporting means and engaging said disk at marginal portions substantially within the periphery of said disk and co-acting with said supporting means to hold said disk in tensioned concave formation.

2,152,931
SAW SHARPENING APPARATUS
Frans Henry Gunnar Svensson and John Erik Wide Svensson, Lillsjodal, Sweden
Application December 19, 1935, Serial No. 55,140
In Sweden February 5, 1935
4 Claims. (Cl. 76—31)



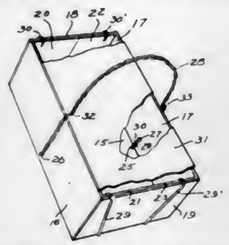
1. A sharpening apparatus for circular saws comprising, in combination, a clamping holder having a slot and adapted to be slipped over the saw blade, a bar member carried by one leg of said clamping holder for pressing against the saw blade, a screw bolt having a handle carried by the end of the other leg of said holder, and impinging on the saw blade to fix the holder in position, a pin passing through a hole in the holder, an abutment member carried by said pin, a forked member carrying a guide sleeve hingedly connected with said abutment member, the abutment member and the guide sleeve oscillating in planes at right angles for adjustment and means for fixing said members in adjusted positions.

2,152,932
DIFFERENTIAL CHANGE SPEED TRANSMISSION
Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 6, 1936, Serial No. 78,201
16 Claims. (Cl. 74—314)



2. In a differential change speed transmission, aligned axle shafts, a gear on one of said shafts, a pinion in driving mesh with said gear and planetatable about the axes of said shafts, a power-driven carrier having said pinion rotatably thereon and the speed of such rotation determining the speed of said shaft, a reaction member in operative connection with said pinion, said carrier and said reaction member being rotatable at relatively different speeds whereby to cause rotation of said pinion at different speeds, said reaction member being connectible with the other of said shafts to effect one relative speed between said member and said carrier, and other means to which said reaction member is connectible to effect a different relative speed therebetween and said carrier.

2,152,933
CONTAINER HANDLE
Frank Merrill Talbot, Bloomington, Ind.
Application June 24, 1937, Serial No. 150,137
12 Claims. (Cl. 229—52)



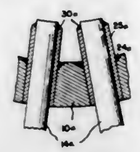
1. In combination with a container, a handle having terminal bandable portions carried downwardly against the outer sides of opposite container walls nearly to the bottom and thence inserted from the outside of and through the opposite container walls and carried downwardly through the container bottom adjacent said walls, said bendable portions being bent under said bottom to extend therefrom around and up on the outer sides of the container.

2,152,934
HEAT TRANSMITTING SURFACE
Harold E. Trent, Philadelphia, Pa.
Application June 21, 1934, Serial No. 731,624
2 Claims. (Cl. 201—64)



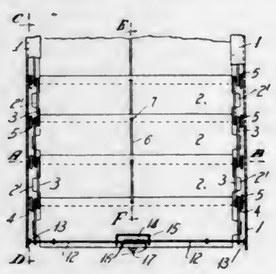
1. The combination of a primary electric resistance heat-radiating metallic unit having an outer surface extended, as by etching, sandblasting or coarse plating, without materially affecting the cross sectional area, a second unit comprising a sheet metal casing having a surface directed towards said primary unit and similarly extended, so as to increase the heat absorption of said second unit from said primary unit, and said second unit also having a surface directed away from said primary unit and similarly extended, so as to increase the heat absorption of said second unit from said primary unit, and said second unit also having a surface directed away from said primary unit and similarly extended, so as to increase the heat radiation of said second unit away from said primary unit, and refractory insulating material substantially filling the space between said primary unit and said second unit.

2,152,935
BOILER CONSTRUCTION
Charles S. Turner, Detroit, Mich.
Application June 25, 1936, Serial No. 87,129
2 Claims. (Cl. 122—365)



1. Boiler apparatus comprising in combination with a metallic drum adapted to contain fluid, a plurality of tubes grouped to form a unitary assembly and projecting into an opening in the drum, and means for securing and sealing such tube assembly with respect to the drum, comprising a sleeve element expanded and tightly fitted into the drum and projecting from the surface thereof, said tube assembly being extended into the sleeve element and welded thereto at a point spaced from the drum.

2,152,936
FLEXIBLE BLIND OF THE ROLLER TYPE
Alfredo Valeri, Bragado, Argentina
Application February 6, 1937, Serial No. 124,353
In Argentina November 21, 1936
2 Claims. (Cl. 156—17)



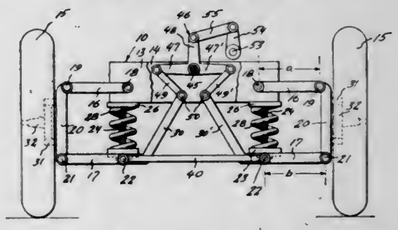
1. A flexible blind of the roller type comprising a series of metal slats each of which is provided at both ends with a plate-like projection, a pair of chains supporting the ends of said slats, said chains having pivoted links provided with slots receiving said plate-like slat projections, whereby said slats are non-rotatably mounted in said links, discs of sound-deadening material mounted on the pivots of said links and having a diameter greater than the width of the links, a channel shaped guide at each lateral edge of the blind in which said chains and discs operate, and a roller on which the slats and chains may be rolled.

2,152,937
DUST GUARD
Albert Vigne, Webster Groves, and Isaac Eugene Cox, Kirkwood, Mo., assignors to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application February 5, 1938, Serial No. 188,839
3 Claims. (Cl. 286—6)

1. In a dust guard, a seal plate, a retainer plate, a sheet of porous elastic material positioned between said plates and exerting lateral pressure thereon, upper and lower tie members of non-elastic pliable material connecting said plates but permitting movement thereof toward and away from each other, and a sealing strip of porous elastic material carried by the upper tie member.



2,152,938
VEHICLE BANKING MECHANISM
Edward L. Welch, Norwood, Mass.
Application July 11, 1936, Serial No. 90,123
8 Claims. (Cl. 280—112)

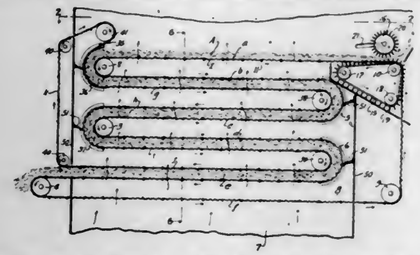


1. In a front wheel suspension for motor vehicles, opposed wheel carrying brackets, wheels mounted on said brackets for steering movement, a pair of parallel arms pivotally connected to each bracket with at least one arm of each pair pivotally connected to the vehicle frame, a spring element between the frame and the other arm of each pair and having a pivotal mounting on said other arm, combined wheel canting and body tilting means mounted on said frame and operatively connected to each of said other arms adjacent said pivotal mountings carried thereby, and operating means arranged to actuate said wheel canting and body tilting means whereby upon a selected movement of said operating means said wheel canting and body tilting means will rock said other arms about said pivotal mounting to simultaneously cant said wheels and tilt said frame.

2,152,939
DEHYDRATING APPARATUS
Herbert B. Wentworth, Erie, Mich.
Application December 1, 1937, Serial No. 177,605
9 Claims. (Cl. 198—165)

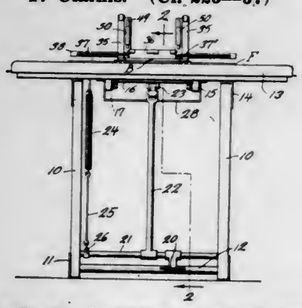
1. In an apparatus of the class described, a material conveying belt having openings therein, a gauge belt movable with said first belt and having pins projecting outward therefrom and through the openings in said first belt during a predetermined portion of its run to gauge the depth of material supplied to the first belt and

thence to recede therefrom, means for guiding said belt, and means for acting on the material



at the outer ends of said pins to strip surplus material from the first belt.

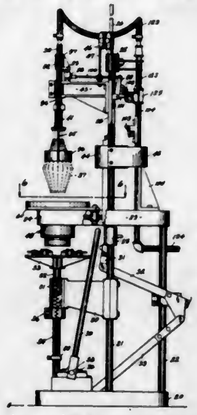
2,152,940
METHOD OF AND MEANS FOR FOLDING WEARING APPAREL
Floyd A. Wiegman, Chicago, Ill.
Application September 27, 1934, Serial No. 745,769
17 Claims. (Cl. 223—37)



1. A method of folding a shirt comprising stretching the shirt out on its back with the arms extending sidewardly, the neck band secured in buttoned position and the front of the shirt arranged with the edges suitably overlapped, folding the sleeves diagonally at the shoulders and placing them in substantially parallel laterally spaced positions over the front of the shirt and alongside the bosom thereof, doubling back the lower portion of the shirt and the ends of the sleeves so as to determine the length of the finished package, and then folding back the side portions of the shirt and the sleeves.

2,152,941
MACHINE FOR FORMING LINER BAGS FOR CONTAINERS
Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application October 13, 1936, Serial No. 105,411
40 Claims. (Cl. 93—60)

1. A machine for forming liner bags from a blank of thin sheet material for containers comprising a suitable frame, a support carried by the frame and being provided with an aperture extending therethrough, a plurality of folding fingers pivotally mounted on one side of said support and extending radially of said aperture and being adapted to support the blank, means for effecting pivotal movement of said fingers, and means cooperable with said fingers during such pivotal movement to arrange the blank in bag formation with the side wall formed with radially extending folds, cooperating members arranged in juxtaposition to said support and adapted to receive the blank in such folded condition and being cooperable independently of the

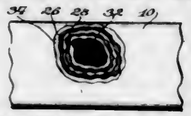


folding means to subsequently form said radial folds into circumferentially extending pleats, and means for drawing the blank through said aperture into said cooperating members.

2,152,942
COAGULANT
William S. Wilson, Brookline, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application June 13, 1936, Serial No. 85,050
6 Claims. (Cl. 210—23)

1. A method of treating hard water containing in excess of 100 p. p. m. of alkalinity expressed as calcium carbonate, which comprises adding to the water lime in order partially to soften it, together with a primary coagulant from the group consisting of ferrous sulfate and aluminum sulfate, subjecting the water to settling in order partially to clarify it subsequently adding normal ferric sulfate in an amount equivalent to 0.2 to 0.5 grain per gallon of normal anhydrous ferric sulfate to form a floc and then removing the floc together with the suspended material contained therein.

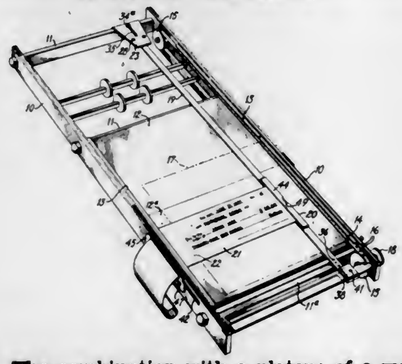
2,152,943
SAFETY STRAP
Harry B. Wilson, Wilmette, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois
Application August 28, 1937, Serial No. 161,444
2 Claims. (Cl. 154—46)



1. In a safety strap, the combination of an elongated strip of fabric material having its warp threads extending longitudinally thereof, said strip having its longitudinal edges folded inwardly to meet at approximately the longitudinal center line of the strip and being folded along its longitudinal center line so as to bring the edge fold lines adjacent each other, thereby to form four outer plies, and a second fabric strip having its warp threads extending transversely of the strip and folded along its longitudinal

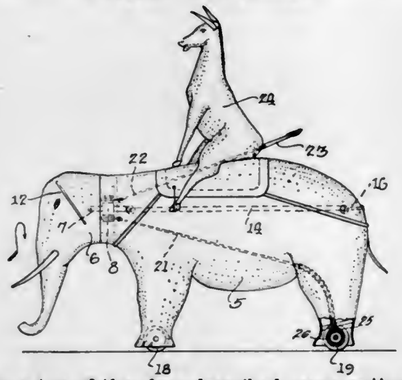
center line, said second strip being enclosed between the pair of plies formed by the folding of said first strip with its edges adjacent the center fold line of said first strip, thereby to form two central plies, means to bond said plies together throughout their length, and a weather protecting bonding material completely surrounding all of said plies.

2,152,944
WORK HOLDING MEANS FOR TYPEWRITING MACHINES
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application August 25, 1937, Serial No. 160,817
13 Claims. (Cl. 197—3)



1. The combination with a platen; of a work-holding means adjustable longitudinally relatively to the platen; telescopic means to attach the work holding means at its opposite ends in position to lie upon the platen; the surplus end of the work-holding means adapted to be severed, as said means is adjusted progressively in one direction longitudinally of the platen.

2,152,945
TOY
Oscar Alvistur, San Francisco, Calif.
Application April 24, 1936, Serial No. 76,206
1 Claim. (Cl. 46—104)



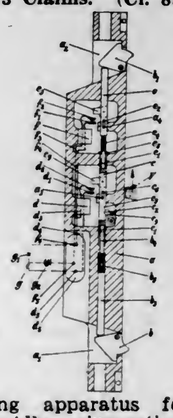
In a toy of the class described representing an animal having a body section and including limbs with wheels attached thereto, a head section rotatably mounted upon said body section, propeller blades carried by said head, geared elements mounted in said body section and having a stub shaft fixedly connected in said head section, a second animal body mounted astride said first body section and having a tail capable of being wagged, connections from said geared elements to the tail of said second mentioned animal body to cause the wagging of the tail thereof, and a flexibly operated motor mounted in the first mentioned animal body section and attached to said geared elements, whereby when said flexibly operated motor is wound through the turning of the head of said first mentioned animal body, said gears operate to cause the rotation of the head of the first mentioned animal body and to cause the wagging of the tail of the second mentioned animal body and also to cause the forward propulsion of the first mentioned animal body.

2,152,946
WHEELED SUPPORTING MEANS, PARTICULARLY FOR FURNITURE
Albert Charles Baritrop, Edmonton, London, England
Application September 3, 1936, Serial No. 99,305
In Great Britain September 5, 1935
8 Claims. (Cl. 254—10)



1. In supporting means for furniture, an attachment frame adapted to be secured to an article to be supported, a castor frame, means swingingly connecting the frames, castors carried by the castor frame, and a spring connected with the frames and constantly urging the castor frame away from the attachment frame for engaging the castors with a supporting surface, said spring being swung toward a dead center position as the castor frame is moved toward the attachment frame whereby the downward urging action of the spring on the castor frame will be diminished.

2,152,947
SWITCHING APPARATUS FOR ELECTRICALLY COUNTING RAPID RECIPROCATING MOVEMENTS
Robert Blomerius, Berlin-Frohnau, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application November 26, 1937, Serial No. 176,741
In Germany December 7, 1936
3 Claims. (Cl. 89—1)



1. Switching apparatus for counting the strokes of rapidly reciprocating bodies and more

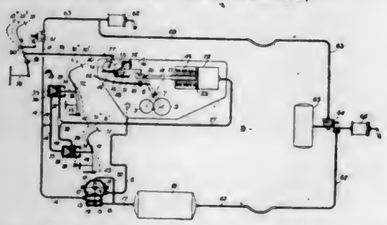
particularly recoiling machine guns, comprising a lamp circuit and a counter circuit, separate contacts for each circuit and means for momentarily closing the lamp circuit when such body reaches the end of its recoil and simultaneously closing the counter circuit for the duration of the counter-recoil of said body, said means being actuated by said reciprocating body.

2,152,948
DEVON MADE OF SOFT MATERIAL
Roger Paul Alexandre Bocchino, Paris, France
Application September 1, 1936, Serial No. 98,964
In France September 2, 1935
2 Claims. (Cl. 43—47)



1. A devon bait which comprises, in combination, a body made of a flexible material provided with an axial hole extending therethrough, a heavy core in said body limited to the front part thereof, provided with a hole coaxial with said first mentioned hole, at least two propellers also made of a flexible material, on the front part of said body, and an arming including a tail end hook the stem of which extends through both of said holes, and a swivel in the front part of the last mentioned hole projecting at the front from said hole and the rear end of which is connected with the front part of said stem.

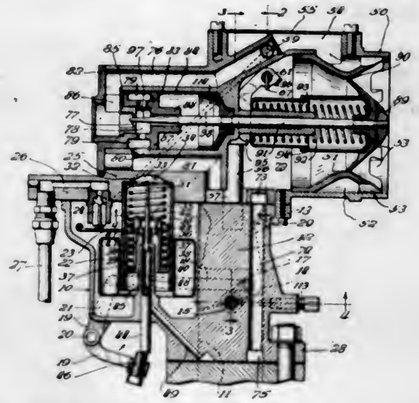
2,152,949
FLUID PRESSURE BRAKE SYSTEM
Raoul Borde, Paris, France, assignor to Compagnie des Freins Westinghouse, Paris, France
Application December 22, 1936, Serial No. 117,222
In France December 24, 1935
9 Claims. (Cl. 192—.01)



1. In a fluid pressure brake system for a vehicle having an engine and an exhaust conduit therefor, a normally open valve for closing said conduit, means for biasing said valve toward closed position, a fluid pressure actuator for the vehicle brakes, means including a control valve operable for conducting fluid pressure from said exhaust conduit to said actuator for effecting a brake application, a movable member for operating said control valve, and means controlled thereby and operable on initial movement thereof for rendering said biasing means effective for closing said first named valve.

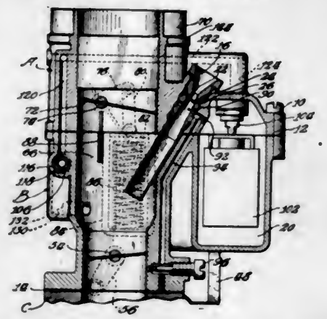
2,152,950
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application February 23, 1935, Serial No. 7,770
10 Claims. (Cl. 261—41)

7. In a carburetor of the class described, the combination of a fuel feeding venturi, a fuel chamber maintained under suction, a fuel-injecting system always effective to suck fuel from said fuel chamber, separate means for maintaining a suction in said fuel chamber, said means consisting of a booster venturi discharging through an orifice into the carburetor throttle bore, means to keep the flow of air through said booster substantially constant regardless of variations in the air flow through said throttle bore,



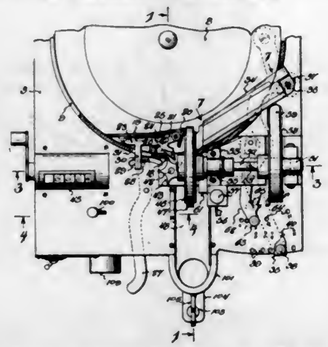
said means comprising an element for progressively restricting said orifice as the air flow through the throttle bore becomes progressively greater, and means for adjusting the idling operation and part throttle operation of said fuel-injecting system independently of said fuel chamber suction, said means providing separate and independent adjustments for idling operation and part throttle operation.

2,152,951
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application February 25, 1935, Serial No. 7,943
5 Claims. (Cl. 261—64)



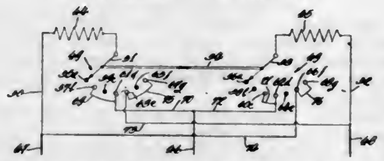
2. In a down draft carburetor of the class described, the combination of a nozzle, a mixing chamber into which said nozzle discharges, an air inlet for said mixing chamber, a disk valve controlling said inlet, a pivotal mounting for said valve, said mounting having an axis, a combined stabilizer and baffle located adjacent to and parallel with the axis of said pivotal mounting upon the suction side thereof, said stabilizer and baffle extending an appreciable distance in the direction of flow through the mixing chamber, and means for supplying fuel to said nozzle.

2,152,952
COIN COUNTING MACHINE
Edward J. Brandt and Edward G. Reuteler, Watertown, and Walter A. Barganz, Dodge County, Wis., assignors to Brandt Automatic Cashier Co., Watertown, Wis., a corporation of Wisconsin
Application February 25, 1933, Serial No. 658,596
7 Claims. (Cl. 133—8)



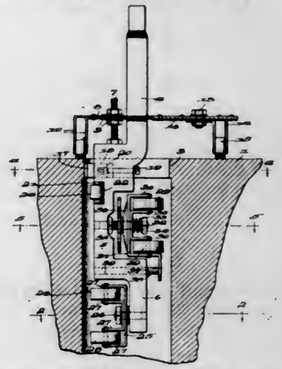
7. In a coin counting machine, a hopper having a discharge opening, means for discharging coins through the opening, a star wheel positioned relative to the opening and adapted for operation by contact of the coins, a pivoted gate, a slidable member connected to the gate and adapted to operate the same, means including a latch arm for normally holding the slidable member to position the gate out of the path of movement of coins discharged through the hopper opening, means operable by the star wheel for counting the discharged coins, means operable by the counting mechanism for releasing the latch arm and releasing the slidable member to position the gate in the path of movement of coins discharged through the hopper opening, and means operable by the release of the latch arm for automatically resetting the counting mechanism for another cycle of operation.

2,152,953
ELECTRIC HEATING APPARATUS
Ernest N. Calhoun, Pittsburgh, Pa., assignor to Edwin L. Wiegand, Pittsburgh, Pa.
Application August 18, 1938, Serial No. 225,523
In Canada May 1, 1937
24 Claims. (Cl. 219—20)



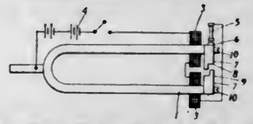
1. In an electric heating apparatus connectable to a plurality of conductors different pairs of which provide different electromotive forces, the combination of: a plurality of resistors constructed to operate at full heating capacity when individually connected across that pair of said conductors providing the highest electromotive force; switch means having a plurality of movable elements and a common operating means for moving said elements in unison to different positions; and means, including electrical connections, so constructed and arranged that said switch means is adapted to interconnect one or more of said resistors and one or more of said pairs of conductors in different relationships for said different positions of said switch means respectively.

2,152,954
CYLINDER REAMER
Joseph L. Campbell, Maryville, Tenn.
Application January 18, 1937, Serial No. 121,198
12 Claims. (Cl. 77—2)



1. A cylinder reamer comprising a reamer stock, a cutter carried thereby, said reamer stock being elongated in bar shape and having a plurality of longitudinally spaced portions laterally offset in different directions from the center axis thereof approximately in zigzag shape, and a plurality of guide rollers attached respectively to said offset portions and carried thereby for guiding the turning movement of the reamer in a cylinder.

2,152,955
ELECTRICALLY MAINTAINED VIBRATING BODY AND SYSTEM EMBODYING SAME
Albert Edward Coyne, Goodwood, Cape Province, Union of South Africa
Application December 27, 1937, Serial No. 181,945
In Great Britain January 8, 1937
17 Claims. (Cl. 35—1)

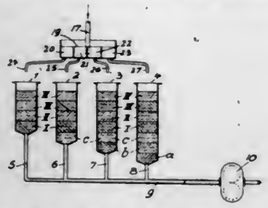


1. An electrically-maintained mechanical vibrator, comprising an elastic vibratory member of magnetic metal and shaped with one of its free ends located in proximity to the other free end to provide magnetic attraction directly between said free ends and of sufficient magnitude to vibrate said ends, an energising winding linked with said member and a source of intermittent current connected to feed said energising winding.

2,152,956
MIXING SYSTEM
Rudolf Etzkorn, Murg, Baden, Germany
Application January 7, 1938, Serial No. 183,917
In Germany January 7, 1937
11 Claims. (Cl. 137—21)

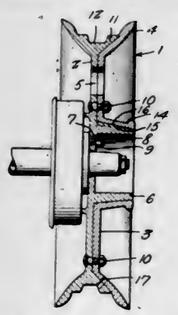
1. In a process of continuously mixing liquids, the steps which comprise distributing a batch of one liquid to a plurality of vessels having their bottoms positioned at different levels and being already filled with a liquid up to a certain level,

then distributing a batch of a second liquid to the said vessels in the ratios selected in the distribution of the first named batch, and concurrently allowing the liquids to flow through discharge pipes connected to the bottoms of said



vessels into a pipe line connecting said discharge pipe with each other, and continuing said distributing and discharging operations in the ratios selected for the second batch with further batches of liquids.

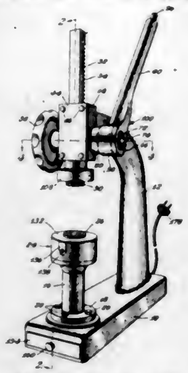
2,152,957
WHEEL
Fred W. Fortney and Joe A. Bell, Clayton, N. Mex.
Application May 26, 1936, Serial No. 81,928
1 Claim. (Cl. 301—63)



A motor vehicle wheel comprising a first section and a second section, each having a tire engaging flange, a tapered hub carried by the first section, a tapered hub carried by the second section and keyed to said first hub, and an inwardly extending flange carried by said first hub, said inwardly extending flange being provided with openings for the reception of mounting bolts, said first hub being hollow to permit access to the inwardly extending flange, and means for connecting the first and second sections into a unitary structure.

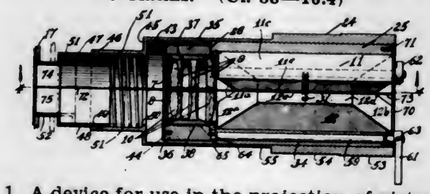
2,152,958
COMBINATION HAT PERFORATING AND LABELING DEVICE
Leon Freeman, Chicago, Ill.
Application March 1, 1937, Serial No. 128,510
3 Claims. (Cl. 216—1)

1. A combination hat perforating and labeling device comprising: a stationary head having a label supporting bed; a die resiliently mounted on said head and having a portion projecting beyond said label supporting bed; a support; pressure means movably related to said support and including perforating elements; and means for moving the pressure means toward the die for bringing the perforating elements into perforating relation therewith, said portion of the die constituting locating means for a label having an opening to receive the same, said pressure means depressing the die to bring the former into pressure relation with the label on the supporting bed, said portion of the die holding the label in



symmetrical relation with the perforating elements.

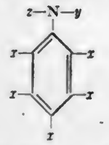
2,152,959
PROJECTION DEVICE
Otto C. Gilmore, Van Nuys, Calif., assignor, by mesne assignments, to Cosmocolor Corporation, New York, N. Y., a corporation of Delaware
Application January 27, 1936, Serial No. 60,923
10 Claims. (Cl. 88—16.4)



1. A device for use in the projection of pictures in color that comprises a supporting frame, a plurality of optical systems supported thereby, each optical system comprising an erecting rhomboid prism arranged to turn an image bearing light beam through 90° and an objective in axial alignment, the axes of the systems being substantially parallel and quite close together, the adjacent edges of the prisms being bevelled to allow them to lie close together, and a septum between said prisms to prevent diffusion of light from one prism into the other.

2,152,960
PROCESS FOR THE MANUFACTURE OF CYCLOHEXANOLS
Max Hartmann, Riehen, near Basel, Hellmut Ensslin, Basel, and Leandro Panizzon, Riehen, near Basel, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 20, 1936, Serial No. 80,906. In Switzerland May 28, 1935
8 Claims. (Cl. 260—563)

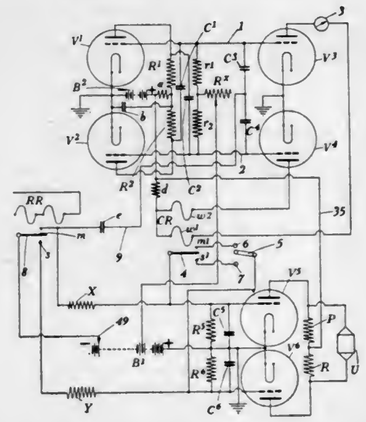
1. A process for the manufacture of hydrogenated compounds, consisting in nuclearly hydrogenating the conjugated double bonds of aromatic compounds of the formula



wherein one to three x's stand for radicals selected

from the group consisting of hydroxy and alkoxy, the other x's stand for hydrogen, y stands for acyl and z stands for a radical selected from the group consisting of hydrogen and alkyl, the reaction being effected at temperatures of about 150 to about 180° C. in a closed vessel under pressure and in the presence of a metal of the group consisting of nickel, cobalt and mixtures thereof and an organic solvent.

2,152,961
TELEGRAPH SIGNALING APPARATUS
Albert Maurice Humby, North Petherton, Bridgwater, England
Application April 18, 1935, Serial No. 17,111
In Great Britain May 29, 1934
9 Claims. (Cl. 178—88)



1. In a telegraph signaling apparatus for receiving or recording double-currrent cable code signals employing three kinds of signals constituted by two different electrical conditions persisting for different portions of a signaling period, the combination of a signal input relay, a pair of electron discharge tubes connected to the contacts of said relay so as to be subjected to the incoming signals, a source of electrical supply and a further relay having contacts actuated in synchronism with the incoming speed of the signals to connect said source to render said tubes non-conducting except during the periods of arrival of desired signals.

2,152,962
SELF-THREADING COUPLING UNIT
James N. Ice, Wheeling, W. Va., assignor to Paul H. Michel, Wheeling, W. Va.
Application November 23, 1937, Serial No. 176,137
3 Claims. (Cl. 285—145)



1. A self-threading coupling unit interiorly formed with thread cutter sections and intervening channels, and means on the interior of the unit for sealing the channels throughout a portion of their lengths, the sealing means comprising an independent element formed with projections to seat with a driving fit in the channels of the unit and having an axial length materially less than that of the unit.

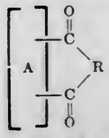
2,152,963
WIND POWER MACHINE
Herbert G. Irwin, Amarillo, Tex.
Application October 26, 1936, Serial No. 107,705
2 Claims. (Cl. 290—55)



1. A wind power machine comprising a power house, a tower for supporting said power house for rotating movement, a wind rotor blade, a blade supporting shaft projecting laterally of said power house, a belt drive wheel carried by said shaft and disposed within said house, an electric generator disposed within said house, a belt for driving said generator from said wheel, a wind vane pivotally attached to said house, a spring and stop for normally holding said house with respect to said wind vane for directing the wind rotor blade toward the wind, and a storm vane laterally adjustable with respect to said house for automatically opposing said spring to shift the house under excessive winds to cause the rotor blade to revolve at an angle to the wind at limited speed.

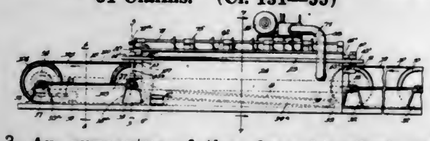
2,152,964
DERIVATIVES OF HYDROCARBONS OF HIGH MOLECULAR WEIGHT AND PROCESS OF MAKING SAME
Walter Kern, Sissach, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application April 19, 1937, Serial No. 137,866. In Switzerland April 29, 1936
6 Claims. (Cl. 260—272)

4. Derivatives of hydrocarbons of high molecular weight of the general formula



in which A represents a radical selected from the group consisting of 3-pyrenoline and 2-chrysenoline, and in which R represents a radical selected from the group consisting of benzene and naphthalene.

2,152,965
APPARATUS AND METHOD FOR CLEANING TOBACCO
Lemuel R. Kersey, Richmond, Va., assignor to The Imperial Tobacco Company (of Great Britain & Ireland) Limited, Richmond, Va., a corporation of Great Britain and Ireland
Application March 8, 1933, Serial No. 660,056
31 Claims. (Cl. 131—55)

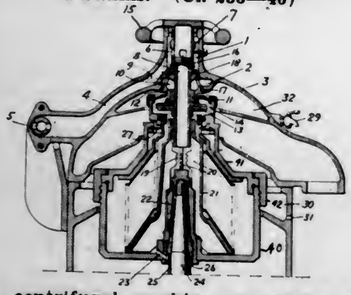


3. An apparatus of the class described comprising a treating chamber, a pair of endless conveyors having portions of their respective runs in opposed relation during movement through said chamber, means to feed tobacco hands to said conveyors at one end of the opposed portion of their runs, means to receive tobacco hands from said endless conveyors at the opposite end of the opposed portion of their runs, means to shake the opposed portion of the runs of said conveyors, means to condition the atmosphere in said chamber, and means to drive said conveyors and said means.

10. An apparatus of the class described comprising conveyor means to support tobacco hands, and means to shake said conveyor means transversely of its direction of movement, said means being operative to impart different degrees of shaking action to different portions of said conveyor means.

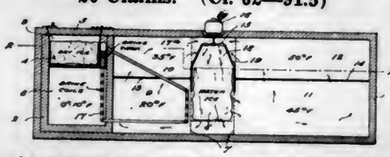
28. The process of cleaning tobacco leaves comprising warming the leaves sufficiently to cause them to expand to such an extent as to loosen foreign matter adhering thereto and shaking the leaves to cause the foreign matter to fall from the leaves.

2,152,966
CENTRIFUGAL SEPARATOR
Hans Olof Lindgren, Appelviken, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application June 3, 1937, Serial No. 146,172
In Germany June 11, 1936
7 Claims. (Cl. 233—46)



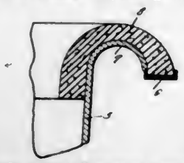
1. A centrifugal machine comprising a bowl and a paring chamber above and rotatable with the bowl, a machine frame, a cover hinged to said frame, a paring device positionable within the paring chamber, a supply nozzle and means, independent of the cover and accessible from above the same and engaging the supply nozzle, to properly position the paring device within the paring chamber, said means being detachable to allow the cover to swing upward and, after the cover is so lifted, permit the withdrawal of the supply nozzle and paring device.

2,152,967
REFRIGERATING APPARATUS
James Wellford Martin, Yonkers, N. Y.
Application April 27, 1937, Serial No. 139,156
20 Claims. (Cl. 62—91.5)



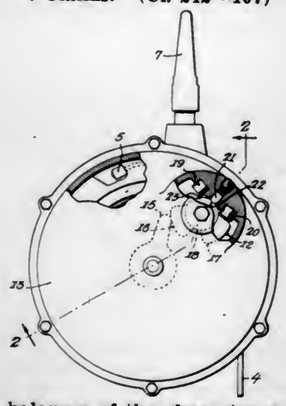
1. A refrigerating apparatus which comprises a thermally insulated casing, a plurality of merchandise storage compartments in restricted and controlled communication with each other, a pair of refrigerant holding devices each adapted to hold a different refrigerant, and means for selectively placing said compartments in heat exchange relation with refrigerants in said devices to maintain said compartments at predetermined low temperatures.

2,152,968
CUSHION FOR BATHTUBS
John Monge, Staunton, Ill.
Application May 7, 1938, Serial No. 206,665
2 Claims. (Cl. 4—185)



1. A bathtub attachment comprising a continuous cushion strip transversely curved to match the curvature of marginal flanges of a tub and adapted to completely cover the marginal flanges and extend a limited distance into the tub, and an elastic strip secured on the outer marginal edges of said cushion strip to cause the latter to contract on the flanges of the tub.

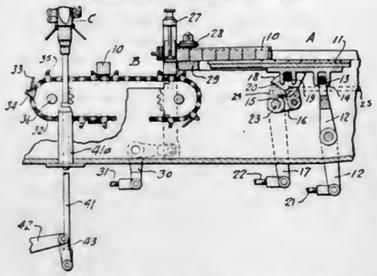
2,152,969
BALANCER
William W. Nash, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application November 15, 1937, Serial No. 174,639
7 Claims. (Cl. 242—107)



1. In a balancer of the character described, a housing, a drum journaled in said housing and

rotatable in opposite directions, a cable windable on the drum, a spring tension for turning the drum in a direction to wind up the cable on the drum, a gear sector rotatably mounted in the housing adjacent to the drum and having a number of gear teeth, means carried by the drum and engageable with said teeth for turning the gear sector on the rotation of the drum, and stops in the housing on opposite sides of the axis of the gear sector to be alternately engaged by the terminal teeth thereof for limiting the rotation of the drum to a predetermined number of revolutions in each direction.

2,152,970
PRINT FEEDING MECHANISM FOR WRAPPING AND PACKAGING MACHINES
Edward F. Ness, Toledo, Ohio, assignor to Morris Packaging Equipment Company, Toledo, Ohio, a corporation of Ohio
Original application July 16, 1935, Serial No. 31,630. Divided and this application June 25, 1937, Serial No. 150,348
2 Claims. (Cl. 198—34)



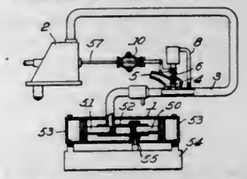
1. In an article wrapping and packaging machine, means for advancing a series of prints of butter or the like to form a row with the prints substantially in engagement with each other, a platform to receive the foremost print from which same is pushed by oncoming prints, a pusher to engage the foremost print as same is moved from said platform and move same at substantially right angles to said advancing means, an endless conveyor to receive at one end thereof prints from said pusher, said conveyor comprising a pair of laterally spaced endless chains, relatively movable shelves on said chains respectively for receiving opposite ends of individual prints, and a ram at the opposite end of said conveyor to engage the underside of a print and discharge same vertically therefrom.

2,152,971
FISH LURE
Virgil Parkins, Tiffin, Ohio
Application May 1, 1937, Serial No. 140,230
5 Claims. (Cl. 43—42)



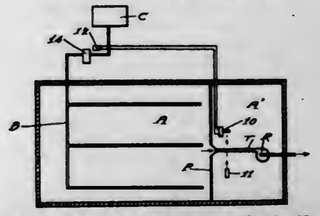
1. In an artificial lure, a body including a collar, a hook extending longitudinally in said body with its shank passing through the collar and provided with an eye above the collar, resilient arms carried by said collar at opposite sides thereof, and jaws carried by said arms and having their inner faces formed with a plurality of opposed companion grooves, said arms yieldably holding said jaws in position to grip the eye about opposite portions of the periphery with the eye engaged in a selected set of grooves and detachably mount the hook in a predetermined position in the body.

2,152,972
AUTO COMPRESSOR
Raul Pateras Pescara, Paris, France
Application October 14, 1935, Serial No. 44,982
In France October 15, 1934
4 Claims. (Cl. 60—11)



1. In an apparatus comprising a variable load power unit and a free moving piston type of internal combustion motor-compressor for supplying a driving fluid to the power unit and having a passage connecting the motor-compressor and the power unit for conducting the driving fluid from the motor-compressor to the power unit, a throttle device in said passage to maintain the pressure prevailing on the compressor side thereof at least approximately constant, while the pressure prevailing on the power unit side varies according to the load on the power unit, a governor driven by said power unit, and means controlled by said governor to regulate the quantity of driving fluid passing to the power unit.

2,152,973
SMOKE-CONTROLLED SPRINKLER
Albert J. Rathwell, North Bay, Ontario, Canada
Application January 10, 1938, Serial No. 184,158
In Canada October 14, 1936
2 Claims. (Cl. 169—19)

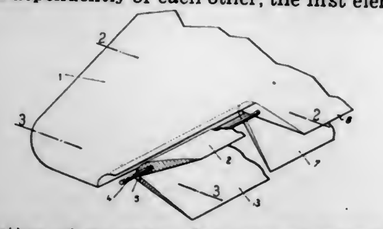


2. In a smoke-responsive control, the combination of an enclosure, a photo-electric tube, a relay controlled by the current passing through said tube, a source of light adapted to direct a beam of light upon said tube, a transparent tube connected at one end to said enclosure to receive smoke therefrom, and means for drawing smoke into said transparent tube, said transparent tube having a portion bent to provide a plurality of thicknesses of tube in the path of the beam.

2,152,974
AERODYNAMIC FLAP FOR SLOTTED WINGS FOR AIRCRAFT
Henri Riviere, Paris, France, assignor to Compagnie des Avions Hanriot, Paris, France, a corporation of France
Application January 30, 1937, Serial No. 123,263
In France February 24, 1936
2 Claims. (Cl. 244—42)

1. In an airplane wing, ailerons positioned at

the lateral extremities thereof, each aileron comprising two superposed elements capable of turning independently of each other, the first element



consisting of an upper flap pivoted behind the front edge of the flap, and the second element being a lower flap pivoted on the leading edge of the upper flap.

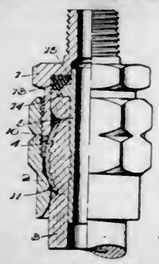
2,152,975

HOSE COUPLING

Roy S. Sanford, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application September 16, 1936, Serial No. 101,130

1 Claim. (Cl. 285—86)



In combination with a coupling body member having a seat, an annular gasket of rectangular cross-section positioned on said seat, a tubular reinforcing sleeve positioned within the end portion of a flexible conduit and having a tapered end portion disposed exteriorly of said conduit, a compression sleeve permanently contracted around the end portion of said conduit for compressing the latter and effecting sealing engagement of the inner wall thereof with the tubular portion of said reinforcing sleeve, and a nut loosely surrounding said end portion of the conduit, said nut threaded to said body member and cooperating with said compression sleeve for forcing said conduit end and reinforcing sleeve into said member for effecting sealing engagement between the gasket and the tapered end portion of said reinforcing sleeve, the contact between the tapered portion of the sleeve and the gasket deforming the latter through the wedging action between these two parts.

2,152,976

RACEMIZATION OF OPTICALLY ACTIVE COMPOUNDS

Georg Scheuing and Wilhelm Krauss, Nieder-Ingelheim-on-the-Rhine, Germany, assignors to Ernst Boehringer, Ilse Liebrecht, born Boehringer, and Albert Boehringer trading under the firm: C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany

No Drawing. Application November 9, 1937, Serial No. 173,644. In Germany February 12, 1937

11 Claims. (Cl. 260—572)

1. The method of racemizing optically active compounds of the type of ephedrine, which comprises acting at a temperature ranging between 135 and 210° C. on a member of the group constituted by optically active ephedrine and optically active pseudo-ephedrine with an alkali metal alcoholate the alcohol of which, under a pressure of 15 mm. mercury column, boils below 167–168° C.

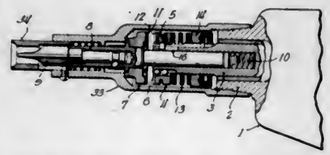
2,152,977

AUTOMATIC LOCK NUT

John Schindel, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware

Application August 1, 1936, Serial No. 93,818

4 Claims. (Cl. 151—2)



4. In combination with the releasing clutch of a screw or nut driving device for portable motor driven rotary tools, said clutch having separable clutch members with interengageable clutch teeth, of a spring for regulating the torque at which the clutch teeth when engaged release in the operation of the clutch, a nut for adjusting the tension of said spring, a shaft for rotating the clutch members and having a screw threaded portion to mount the nut, and means interconnected with the nut and the shaft and acting automatically on turning the nut for normally holding the nut against rotation in either direction in any of its positions of rotative adjustment on the threaded portion of said shaft, said means being carried by the nut and movable therewith along the shaft and on and off the same as a unit.

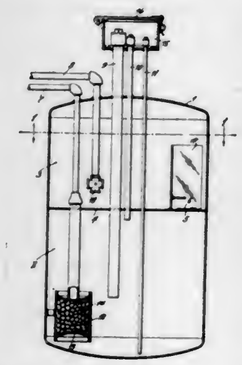
2,152,978

GAS GENERATOR

Arthur W. Schisler, Webster Groves, Mo.

Application January 27, 1936, Serial No. 60,964

3 Claims. (Cl. 261—121)



1. A carburetor comprising a chamber having an air inlet, a gas outlet, and a body of cellular material interposed between said inlet and outlet, said material being of high porsity and permeability comprising a porous aggregate consisting of fused aluminum oxide and a ceramic binder.

2,152,979

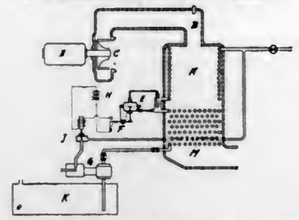
PROCESS AND APPARATUS FOR REGULATING THE FEED OF SINGLE TUBE BOILERS

Erwin Frédéric Schwander, Reichshoffen, France, assignor to Société d'Etudes des Véhicules "Sev", Reichshoffen, France, a society of France

Application September 12, 1936, Serial No. 100,569

In France October 1, 1935

5 Claims. (Cl. 122—451.1)



5. In a single tube boiler, an apparatus for regulating the feeding of liquid to said boiler, the regulating apparatus being affected by conditions in the tube at the point where the evaporation of water must normally be terminated, said regulating apparatus comprising a hermetically closed receptacle arranged at the control position in the tube of the boiler and filled with a liquid of the same nature as that contained in the boiler, means establishing communication between said receptacle and one side of a deformable element, means establishing communication between the interior of the boiler and the other side of the deformable element, and means for utilising the movements of the deformable element resulting from the difference of pressure on both sides of said element.

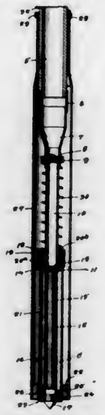
2,152,980

TESTING TOOL

Rudolph Svadlenak, Taft, Tex.

Application July 5, 1938, Serial No. 217,579

4 Claims. (Cl. 166—1)



1. In combination with a drill stem tube, a pipe coupled on said tube, a perforated pipe fixed on said first mentioned pipe, a head slidably mounted on said first mentioned pipe, a tubular member connected at the upper end thereof to said head and spaced relative to said perforated pipe, a seat block mounted on the lower end of said member and having an opening slidably receiving said perforated pipe whereby to permit said perforated pipe to extend beyond said block in a manner that fluid subjacent said block will flow into said perforated pipe upon downward movement of the latter by said drill stem tube, and a spring about said first mentioned pipe engaging said head to normally maintain said perforated pipe in raised position within said member.

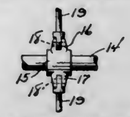
2,152,981

AIRPLANE WING WITH VARIABLE ANGLES OF INCIDENCE

Uther H. Taylor, Mangum, Okla.

Application February 24, 1938, Serial No. 192,422

3 Claims. (Cl. 244—48)



1. In an airplane, a fuselage, wings on each side of the fuselage pivotally connected to the fuselage near their leading edges, superposed hydraulic cylinders having opposed pistons connected to the wings rearwardly of their longitudinal center, and an air reservoir connected to the cylinders for creating a differential of pressure in the cylinders to vary the angle of incidence of the wings.

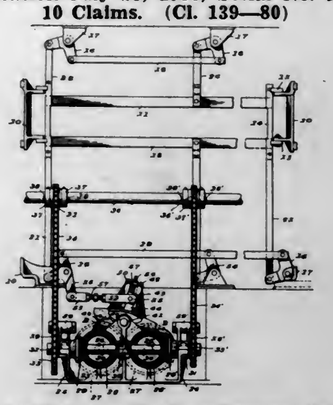
2,152,982

HARNESS MOTION FOR LOOMS

John D. Watson, Appleton, and Ludvig Andersen, Wauwatosa, Wis.

Application July 25, 1936, Serial No. 92,618

10 Claims. (Cl. 139—80)



1. A heddle actuating mechanism for looms having in combination, a series of heddle frames, a harness connected to each of said frames, and sets of cams, each varying in number and arranged to be optionally shifted into operative relation with respect to the harness in accordance with the selected number of heddle frames to be operated.

2,152,983

WATERCRAFT

Edward Burke Wilford, Merion, Pa.

Application August 3, 1934, Serial No. 738,219

2 Claims. (Cl. 114—39)

1. A watercraft comprising a hull, a generally upright mast carried by the hull, a rotor comprising a hub structure, a plurality of blades and means mounting the blades with the longitudinal axis of each blade in substantially rigid relation with the axis of the hub structure, means mounting the rotor on the mast for auto-rotation in

a plane which makes an acute angle with the axis of the mast, and means for uniformly and simul-



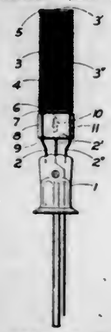
taneously varying the pitch of all of said rotor blades.

2,152,984
WATERCRAFT
Edward Burke Wilford, Merion, Pa.
Application August 17, 1936, Serial No. 96,344
12 Claims. (Cl. 114—39)



1. In a watercraft, a hull, a mast, stays fixed adjacent the head of the mast and to said hull holding the mast in a position vertical to said hull, and a rotor mounted on the top of the mast, the rotor being of such weight and proportions as to produce a gyroscopic effect sufficient to stabilize the craft.

2,152,985
ELECTRIC GASEOUS DISCHARGE DEVICE
Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application November 4, 1938, Serial No. 238,866
In Germany November 10, 1937
6 Claims. (Cl. 176—126)



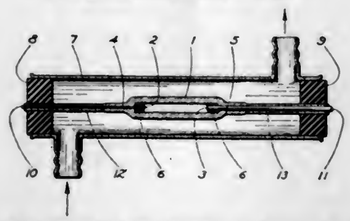
1. An electric gaseous discharge device comprising an elongated sealed envelope having an electrode at each end thereof, at least one of said electrodes consisting of a hollow metal body which is open in the direction of the discharge path to the other electrode and having uniformly distributed slits in the wall thereof of a width of from 0.3 to 0.7 mm., said slits in their entirety occupying 40–60% of the area of the inner surface which said electrode would have if imperforate, and a filling of neon at low pressure within said envelope.

2,152,986
WINDOW FRAME UNIT
Edmund L. Cridge, Passaic, N. J.
Application April 24, 1936, Serial No. 76,107
2 Claims. (Cl. 20—55)



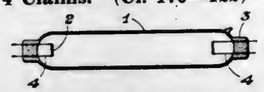
1. A window construction consisting of a window frame, an outer sash, supporting-hangers and supporting-brackets, said window frame having in its upper part an angularly constructed outer sash stop, said outer sash having its upper edge constructed in angular formation and supporting-brackets having angular formation, said angular formation of all angularly formed parts having the same angular construction whereby the outer sash may be placed upon the supporting-brackets and supported thereupon and guided downward and inward in an angular direction corresponding to the angular formation of the upper edge of the outer sash and the lower portion of the outer sash stop, until the outer sash is in its position in the window frame.

2,152,987
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Eduard G. Dorgelo, Willem Elenbaas, and Hendricus J. Lemmens, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application November 16, 1937, Serial No. 174,848
In Germany November 27, 1936
2 Claims. (Cl. 176—122)



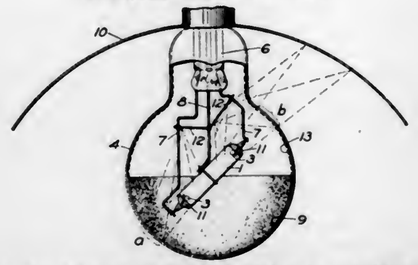
1. A gaseous electric discharge lamp device of the high pressure type comprising an elongated, tubular container having electrodes sealed therein at each end thereof and a quantity of vaporizable metal partly surrounding each of said electrodes, one of said electrodes being a cathode and the other of said electrodes being an anode, the part of said anode projecting from said vaporizable metal being 1.5 to 5 times larger in cross section than the corresponding part of said cathode to prevent excessive temperatures thereat during the operation of the device.

2,152,988
GASEOUS ELECTRIC DISCHARGE DEVICE
Willem Elenbaas, Gottfried Bruno Jonas, and Aart van Wyk, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application May 17, 1935, Serial No. 22,070
In Germany May 18, 1934
4 Claims. (Cl. 176—122)



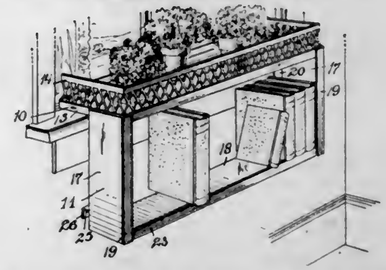
4. A gaseous electric discharge ultra violet generator device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, said container comprising a radiation transmitting glass consisting of silica, alumina, alkaline earth oxide and boric oxide, the silica content being less than about 85% and more than 70%, the alumina content being less than 11% and more than 4%, the alkaline earth oxide content being less than 6% and more than 0.3% and the boric oxide content being less than 11% and more than 6%, said glass containing less than 1% alkali oxide.

2,152,989
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Hans Ewest, Berlin-Lichterfelde, Hermann Krefft, Berlin-Friedrichshagen, and Kurt Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company, a corporation of New York
Application January 29, 1937, Serial No. 123,058
In Germany February 4, 1936
4 Claims. (Cl. 176—122)



1. An electric lamp comprising in combination a light transmitting heat conservator, a gaseous electric discharge lamp device mounted in said conservator, said device having a straight, tubular container of light transmitting, vitreous material, a luminosity producing gaseous atmosphere therein, and electrodes sealed into the end portions thereof, the light output of said lamp device being greater in a direction normal to the longitudinal axis thereof than in the direction of said axis, a reflector mounted in said conservator in such position relative to said lamp device that part of the light emitted by said lamp device in a direction normal to said axis is directed by said reflector in the direction of said axis to increase the density of the light in the direction of said axis.

2,152,990
COMBINED SILL AND WALL BRACKET
William Fader and Joseph Schatman, Newark, N. J.
Application April 5, 1937, Serial No. 135,112
2 Claims. (Cl. 211—88)

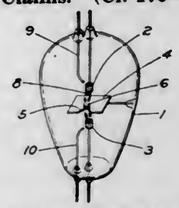


1. A combined sill and wall bracket comprising a tray, including a marginal flange, said tray having one edge thereof adapted to lie on a window sill with the remainder extending beyond the sill, end panels with inwardly extending edge flanges at the front and rear edges, the panels and front flanges embracing the flange of the tray, the rear flanges of the end panels being cut away adjacent the tops of the same to engage the bottom of the tray, a shelf having marginal flanges and abutting on the end panels and the flanges of the end panels at the bottom of the end panels, and a brace on the shelf adapted to rest against the wall under the sill.

2,152,991
METHOD OF COATING SURFACES WITH POWDERED MATERIALS
Jack Alfred Viveash Fairbrother, Rugby, England, assignor to General Electric Company, a corporation of New York
No Drawing. Application March 4, 1936, Serial No. 67,180. In Great Britain March 12, 1935
5 Claims. (Cl. 91—68)

1. The method of producing a firmly adherent coating of a powdered material on a surface such as a sheet of glass which consists in first applying an etching solution to the surface so as to form a gel on the surface to which the powdered material will adhere and applying the powdered material on the said gel and then drying said surface.

2,152,992
ELECTRIC DISCHARGE DEVICE
Victor James Francis, North Wembley, and John Walter Ryde, London, England, assignors to General Electric Company, a corporation of New York
Application March 2, 1937, Serial No. 128,686
In Great Britain March 3, 1936
2 Claims. (Cl. 176—122)



1. An electric vapor discharge lamp of the type adapted to operate with a constricted arc dis-

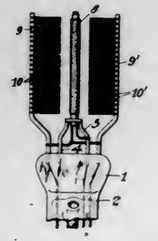
charge comprising a sealed envelope containing a suitable gaseous atmosphere and having a pair of thermionic electrodes sealed therein on a vertical axis, a transverse refractory body intersecting said axis and eccentrically disposed with respect thereto, whereby said constricted discharge is forced to pass outwardly from a straight line path between said electrodes and is stabilized in position adjacent a particular portion of said refractory body.

2,152,993

ELECTRIC GASEOUS DISCHARGE DEVICE

Ernst Friederich, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

Application September 18, 1935, Serial No. 41,149
In Germany September 28, 1934
4 Claims. (Cl. 176—1)



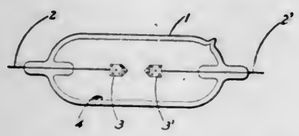
1. An electric lamp comprising a sealed envelope having elongated electrodes mounted therein, said electrodes having separate current leads, being substantially coextensive linearly and being mounted in opposing positions, one of said electrodes comprising a support member and a plurality of discreet, fine wires of a refractory conducting material affixed to and spaced along said support member, said wires extending toward and terminating adjacent the periphery of the other of said electrodes, each of said wires being coated with an insulating substance except at the end thereof adjacent said last named electrode.

2,152,994

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Walter Hänlein, Berlin-Spandau, Wilhelm Hagen, Berlin, and Hermann Krefft, Berlin-Friedrichshagen, Germany, assignors to General Electric Company, a corporation of New York

Application March 23, 1937, Serial No. 132,640
In Germany March 30, 1936
4 Claims. (Cl. 176—122)



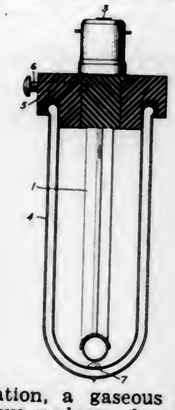
1. A gaseous electric discharge device comprising a container, a gaseous atmosphere therein and electrodes sealed therein, said container consisting of a glass consisting of about 80 to 90% silica (SiO_2), about 2 to 12% alumina (Al_2O_3) and about 0 to 8% alkaline earth metal oxides.

2,152,995

GLOW DISCHARGE DEVICE

Gilles Holst, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application February 9, 1937, Serial No. 124,854
In the Netherlands February 19, 1936
6 Claims. (Cl. 240—11.4)



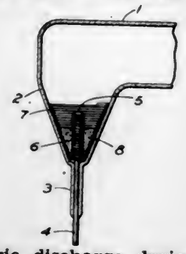
1. In combination, a gaseous discharge device, a gas pervious enclosure for said device and means for absorbing deleterious gases in the space between said device and said enclosure to avoid changes in the starting voltage of said discharge device.

2,152,996

GASEOUS ELECTRIC DISCHARGE DEVICE

Hans Jancke and Robert Rompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application February 18, 1936, Serial No. 64,557. Renewed November 12, 1938. In Germany February 25, 1935
3 Claims. (Cl. 176—42)



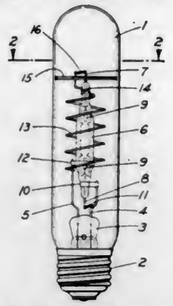
1. An electric discharge device comprising a sealed vitreous container, a gaseous atmosphere therein, an electrode chamber of vitreous material fused thereto, a current lead sealed into said electrode chamber, a quantity of vaporizable material in said electrode chamber, said material being solid at room temperature and liquid during the operation of said device and a resilient receptacle of electrically conducting material for said vaporizable material, said receptacle being connected to said current lead and being mounted in said electrode chamber, the walls of said receptacle being interposed between said material and said chamber, said receptacle being capable of containing said material in its liquid state and being capable of expanding under the forces generated with increasing temperature in the material in its solid state to dissipate said forces to prevent rupture thereby of said chamber walls during the starting of said lamp.

2,152,997

GASEOUS ELECTRIC DISCHARGE LAMP

Lyman B. Johnson, East Orange, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application May 21, 1937, Serial No. 144,070
2 Claims. (Cl. 176—122)



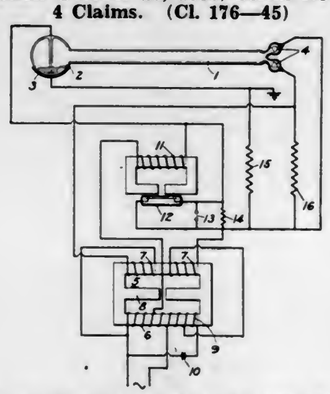
1. A lamp of the gaseous electric discharge type comprising a tubular sealed envelope containing a gaseous atmosphere and having electrodes sealed therein adjacent opposite ends thereof with a constricted arc path between said electrodes to provide a light source of high intrinsic brilliancy, a supporting base adjacent one end of said envelope and having a pair of leads, one of said leads being connected to the adjacent electrode of said lamp while the other of said leads extends helically about said envelope without light obstructing supports to a point beyond the discharge path, and with a whole number of turns opposite said discharge path, to make a connection with the other electrode, whereby the shadow cast by the latter lead is symmetrical about the axis of said envelope.

2,152,998

CIRCUIT FOR GASEOUS ELECTRIC DISCHARGE DEVICES

Richard C. Kelting, North Arlington, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application October 24, 1938, Serial No. 236,747
4 Claims. (Cl. 176—45)



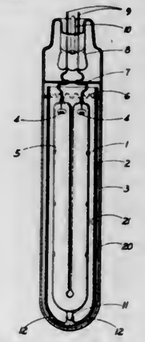
3. In combination, a mercury vapor arc device having a mercury cathode, at least one anode, and a conducting sheath in electrostatic relation to said cathode, an inductance in the lead to said cathode, a connection from said cathode to said anode, said connection including an evacuated metal to metal contact switch, and a high resistance connection to said sheath from the side of said switch which is connected to said anode lead, said high resistance connection having a strongly negative potential-resistance characteristic.

2,152,999

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Christopher J. Milner, Rugby, England, assignor to General Electric Company, a corporation of New York

Application February 16, 1938, Serial No. 190,842
In Great Britain February 17, 1937
4 Claims. (Cl. 176—122)



1. An electric discharge lamp device comprising an inner vitreous envelope having electrodes sealed therein and containing a volatile metal having its resonance radiation in the spectral region in which silver shows selective transmission, an outer evacuated vitreous envelope surrounding the inner one, a vitreous heat shield mounted within the outer envelope and surrounding the inner envelope, a silver coating on said heat shield and a coating of luminescent material on a surface in said outer envelope, said material being responsive to the radiation transmitted by said silver coating, said silver coating being interposed between the discharge path in said inner envelope and said luminescent coating.

2,153,000

CERAMIC BODY

Louis Navias, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 12, 1936, Serial No. 63,527
3 Claims. (Cl. 200—152)



1. An interrupting element for a liquid contact switch, said element consisting essentially of fused magnesia and a vitreous bonding material.

2,153,001

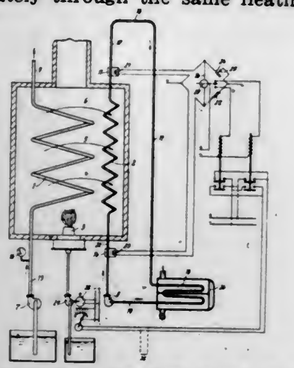
STEAM GENERATOR WITH FORCED PASSAGE OF THE OPERATING MEDIUM

Heinz Rabe, Berlin-Spandau, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application November 6, 1936, Serial No. 109,435
In Germany November 7, 1935
9 Claims. (Cl. 236—14)

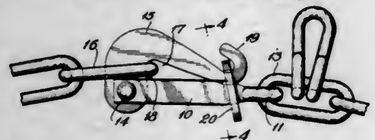
1. In a steam generator with forced passage

of the operating medium and having a heat supply producing several heating zones of different temperatures, a main heating surface for said medium extending through the several heating zones and a secondary heating surface traversed by a suitable fluid and extending at least approximately through the same heating zones



as the main surface, the flow speed of the fluid through said secondary surface being substantially greater than the flow speed of said operating medium through the main heating surface, and means responsive to the fluid temperature variations in said secondary surface for controlling the heat supply to the generator.

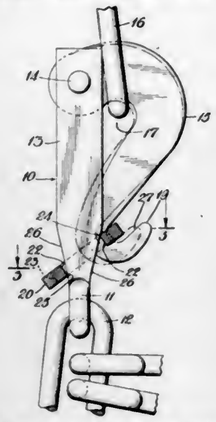
2,153,002
CHAIN FASTENER
John R. Reyburn, Fairfield, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York
Application August 27, 1936, Serial No. 98,143
9 Claims. (Cl. 24—69)



4. A chain fastener for connecting opposite ends of a side chain of a tire chain assembly, said fastener comprising a body having parallel side members connected at one end by a loop extending beyond the outside faces of said side members, a lever pivotally supported between the other ends of said side members for movement of its free end into the space between said side members, and a keeper provided with an opening slidably mounting said keeper on said side members and adapted to receive the free end of said lever to retain the same in securing position, the transverse dimension of said opening in said keeper being less than the external transverse dimension of said loop.

2,153,003
CHAIN FASTENER
William E. Myers, York, and William F. Schwartz, Springgarden Township, York County, Pa., assignors to American Chain & Cable Company, Inc., a corporation of New York
Application September 30, 1936, Serial No. 103,270
17 Claims. (Cl. 24—69)

4. A device of the character described comprising a body in the form of an elongated loop having flat side elements disposed with their flat faces parallel and integrally connected at one end by an eye portion of round cross section extending laterally in the plane of the loop beyond the flat side elements, a rivet connecting the side elements at the other end of the loop, a latch lever pivoted between the side elements on said rivet, said lever having an outwardly directed hook at the free end thereof, and a keeper having an aperture receiving the side elements with a free sliding fit, the keeper aperture being of less width than said eye portion and being de-



fined by end walls of greater spacing than the depth of said side elements, the eye portion being spaced beyond the hook to such extent that the keeper may assume by gravity an inclined binding position when the body is in upright position with the lever pivot uppermost and with one end of the keeper engaged in the bight of the hook, said side elements being tapered to a narrower depth adjacent the eye portion so as to permit a sharp inclination of the keeper when in said binding position.

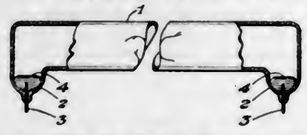
2,153,004
CLOCK, SO-CALLED MYSTERIOUS SMALL CLOCK
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Societe Anonyme: Etablissements Ed. Jaeger, Levallois-Perret, France
Application May 25, 1937, Serial No. 144,590
In France June 18, 1936
4 Claims. (Cl. 58—26)



1. In a clock, in combination: two front and rear transparent plates, one of which constitutes the dial, a support on which said transparent

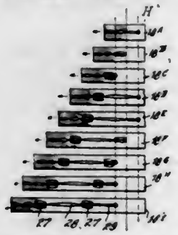
plates are secured, two intermediate transparent discs arranged between said plates, members indicating the minutes and the hours respectively carried by said intermediate transparent discs, two gear wheels respectively secured at the periphery of said intermediate transparent discs and each comprising a smooth cylindrical surface forming a rolling track, two pairs of rollers journalled in said base and on which rest said gear wheels by their smooth surfaces, two toothed wheels also journalled in the walls of said base for respectively meshing with said gear wheels, opaque raised portions pressed against the inner faces of said transparent plates and at their periphery for concealing said gear wheels, a circular ring comprised between said plates and secured to said base, cross members secured on said ring and having bent down edges for laterally pressing said front and rear transparent plates against said ring, a chronometric mechanism driving said toothed wheels for causing them to rotate at suitable speeds so that one of said transparent discs effects a revolution in twelve hours whilst the other transparent disc effects a revolution in one hour, said chronometric mechanism being arranged in the base of the clock.

2,153,005
GASEOUS ELECTRIC DISCHARGE LAMP
Robert Rompe, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application June 14, 1935, Serial No. 26,674. Renewed November 16, 1938. In Germany June 25, 1934
4 Claims. (Cl. 176—42)



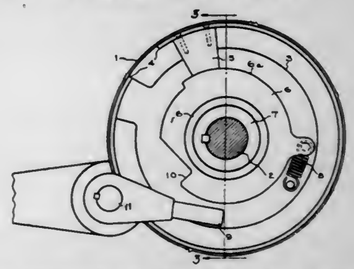
1. An electric discharge lamp comprising an elongated, sealed container of material transparent to light rays, an electrode chamber at each end thereof, a quantity of luminosity producing, vaporizable tellurium in each of said electrode chambers, a current lead terminating in the tellurium in each of said electrode chambers and a fixed, starting gas in said container, said current leads being capable of conducting sufficient electrical energy to said lamp to maintain a tellurium vapor pressure therein greater than 0.1 mm.

2,153,006
SEWING MACHINE FOR PRODUCING SUPERPOSED STITCHES
Leo Roseman, Newark, N. J.
Application January 23, 1937, Serial No. 121,993
4 Claims. (Cl. 112—2)



1. In a sewing machine, the combination of work feed mechanism, stitch forming mechanism including a reciprocatory needle that is also movable back and forth in a plane parallel with the direction of movement of the work, automatic means for moving the work feed mechanism continuously in one direction step-by-step with one step for each reciprocation of the needle, means for continuously reciprocating the needle in timed relation to step-by-step movement of the work feed mechanism to form running stitches, and automatic means operative during reciprocation of the needle for moving said needle back and forth while it is out of the work and to successively move the needle in the direction of movement of the work simultaneously with a step of movement of the work a distance equal to a multiple of the length of said step of movement of the work and hold the needle against back or forth movement during the next step of movement of the work, to form a series of superposed stitches.

2,153,007
CLUTCH MECHANISM
Alfred L. Rosenmund, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Original application October 3, 1934, Serial No. 746,655. Divided and this application December 16, 1935, Serial No. 54,595. In Canada August 8, 1935
5 Claims. (Cl. 192—26)

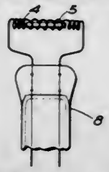


1. In combination with a driving drum and a driven shaft, clutch mechanism comprising a flexible clutch band, a block secured to the rear end thereof, a clutch collar secured to the other end of the clutch band and keyed to the driven shaft, a second clutch collar rotatably mounted on the hub of the first clutch collar and having a cam surface to engage the block, a spring connection between the two collars to press the cam surface of the second collar against the block to force the clutch band into clutching engagement with the drum, and means to move the second clutch collar against the action of the spring to release the pressure on the clutch band.

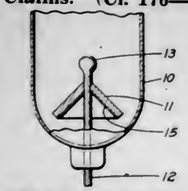
2,153,008
ELECTRIC DISCHARGE LAMP
William J. Scott, Rugby, England, assignor to General Electric Company, a corporation of New York
Application January 22, 1936, Serial No. 60,319
In Great Britain January 25, 1935
2 Claims. (Cl. 176—126)

2. A gaseous electric discharge device comprising a tubular container, a gaseous atmosphere therein and electrodes sealed therein at each end thereof, one of said electrodes comprising a body of material having high electron emitting characteristics and a coiled metal filament wrapped around said body and extending beyond said body, the axis of said filament being transverse

to the discharge path between said electrodes, the coiled, end portion of said filament being out of electrical and physical contact with said body, being no larger in diameter than the portion of said filament in contact with said body, and being no further from the opposite electrode than the portion of said filament wrapped around said body.

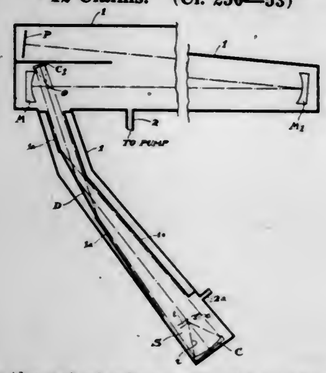


2,153,009
ELECTRIC DISCHARGE LAMP
William J. Scott, Rugby, England, assignor to General Electric Company, a corporation of New York
Application August 28, 1936, Serial No. 98,386
In Great Britain September 10, 1935
3 Claims. (Cl. 176—126)



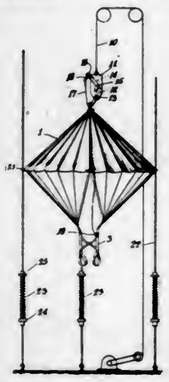
1. An electrode for an electric discharge lamp device having electrodes and electrode leads sealed therein, said electrode comprising a coned disc of porous tungsten secured at its apex to a tungsten electrode lead on which said coned disc is axially mounted, the apex of said coned disc being in closer proximity to the opposite electrode than the base thereof, said lead extending through said coned disc and projecting through the apex thereof, the end of said wire forming a rounded projection.

2,153,010
MICROSCOPY
Homer C. Snook, Summit, N. J.
Application November 25, 1935, Serial No. 51,427
12 Claims. (Cl. 250—53)



1. In the art of microscopy, the method of procuring high magnification with materially extended limits of resolution which comprises irradiating the object with a selected narrow band of substantially monochromatic radiation within the range of from about 2,000 Angstroms to about 200 Angstroms, and producing solely by reflection a magnified real image of the object.

2,153,011
AMUSEMENT DEVICE
Stanley Switlik, Trenton, N. J.
Application December 13, 1935, Serial No. 54,183
7 Claims. (Cl. 35—12)



1. In a device of the class described the combination with a parachute canopy, of a rigid ring for maintaining the skirt of the canopy extended, vertical guides with which the ring has sliding connection, buffers associated with the guides and with which the ring is adapted to contact, a harness, load carrying shroud lines connected to the ring at the points at which the ring contacts with the buffers and additional shroud lines connected with the harness and ring between the first mentioned shroud lines.

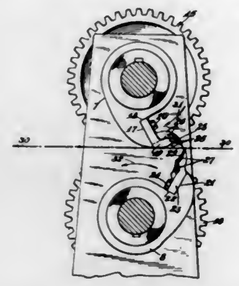
2,153,012
NEW ANTHRAQUINONE DYESTUFFS
William Wyndham Tatum, Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 8, 1937, Serial No. 162,952. In Great Britain September 17, 1936
3 Claims. (Cl. 260—296)

1. As new compounds, the quaternary anthraquinonylaminoalkylammonium salts in which the ammonium nitrogen atom is attached directly to the omega carbon atom of the alkyl chain, which alkyl side chain is of the class consisting of unsubstituted alkyl chains and hydroxy substituted alkyl chains containing from 2 to 4 carbon atoms, said compounds being relatively water soluble and having affinity for cellulose acetate fibers.

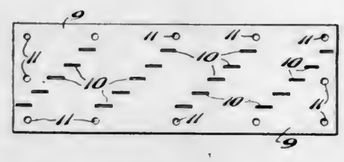
2,153,013
ROTARY KNIFE
Gustave A. Ungar, Pelham Manor, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application August 16, 1935, Serial No. 36,519
9 Claims. (Cl. 164—66)

9. In a cutting mechanism for continuous strip material; a blade carrier; a drive for said carrier; a blade mounted on said drum; said drum being mounted at right angles to the directions of travel of the web material to be cut and said blade having a shearing profile so arranged as to cut

a straight edge at right angles to the direction of web travel; the knife forming a constantly varying angle α with the web which varies as a function of the variation of the tangential constant horizontal component velocity.

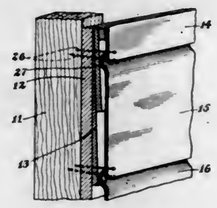


2,153,014
BUILDING CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to Veco Corporation, a corporation of Pennsylvania
Application July 10, 1935, Serial No. 30,611
5 Claims. (Cl. 72—118)



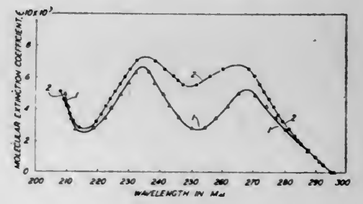
5. In a plaster board, a multiplicity of slots, said slots being positioned with their major axes lying along parallel lines and with the two most closely adjacent slots touching a line normal to said parallel lines and extending in opposite directions therefrom, the totality of said slots providing means whereby fastening devices may be passed through said base to supports therebehind regardless of the position of such supports.

2,153,015
SIDING UNIT AND ASSEMBLY
Paul A. Voigt, Woodhaven, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 21, 1935, Serial No. 55,522
9 Claims. (Cl. 20—5)

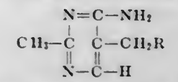


2. A building siding assembly comprising a supporting substructure, a plurality of thin sheets, of substantially plane surface throughout their main portion, overlapping at their side portions, to form joints therebetween, and means securing the said sheets to the substructure, one side of the said sheets having a longitudinal rib extending backwardly from the plane of the main portion of the sheet, being convex at its back and concave on its face, and serving to space the main portion of the said one of the sheets from the substructure and the edge of the rib contacting with the back side of the lower portion of an overlapping sheet of plane surface and spacing it from the midportion of the said rib.

2,153,016
PYRIMIDINE COMPOUNDS
Robert R. Williams, Roselle, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application December 23, 1936, Serial No. 117,417
5 Claims. (Cl. 260—251)

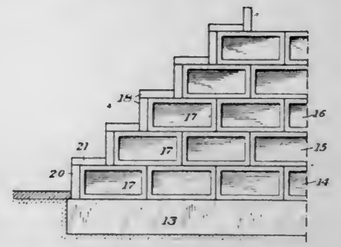


5. Pyrimidine compounds having the formula:



in which R is a member of the group H, NH_2 and SO_3H.

2,153,017
STEP
Albert Henderson, Edgewood, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application May 23, 1938, Serial No. 209,485
3 Claims. (Cl. 72—96)



1. Steps comprising a pair of cheeks each made up of a plurality of courses of blocks, each course terminating short of the next course below, and separate treads and risers in the form of precast slabs resting on the exposed portions of the end blocks in corresponding courses of the two cheeks, and means carried on each riser intermediate said cheeks for supporting the tread adjacent the lower edge of said riser.

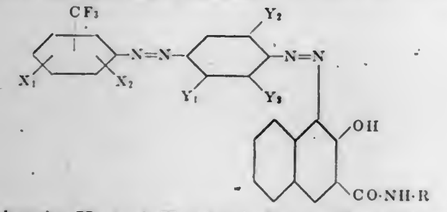
2,153,018
DISAZO DYESTUFFS INSOLUBLE IN WATER AND FIBER DYED THEREWITH

Hans Heyna and Paul Jörg, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 26, 1937, Serial No. 171,072. In Germany October 27, 1936

8 Claims. (Cl. 260—188)

1. The water-insoluble disazo dyestuffs of the following general formula:

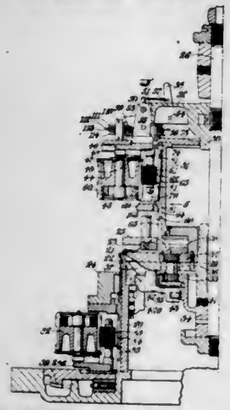


wherein X_1 and X_2 stand for members of the group consisting of hydrogen, halogen, nitro and trifluoromethyl, Y_1 and Y_2 for members of the group consisting of hydrogen, methyl and alkoxy, Y_3 stands for one of the group consisting of hydrogen, and methyl, and R means a member of the group consisting of radicals of the benzene and naphthalene series, yielding, when produced on the fiber, garnet, currant, blue and black shades of good fastness properties.

2,153,019
RIB KNITTING MACHINE

Henry Harold Holmes, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company, manufacturers

Application February 2, 1937, Serial No. 123,669
In Great Britain February 6, 1936
18 Claims. (Cl. 66—24)

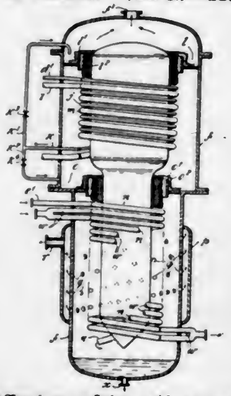


6. A rib knitting machine of the individual needle type comprising in combination cylinder and dial needle beds, needles therein, knitting cam systems for the cylinder and dial needles for producing rib knitting, and needle selecting means for both cylinder and dial needles in which the selecting means for at least the dial needles comprises a pattern drum, a co-operating tricked jack cylinder having in some or all of its tricks a jack assembly comprising three elements, namely, an upper jack, an intermediate jack and a lower jack whereof the upper jack is a sprung jack and is selectively actuated from the pattern drum, all three jacks being slidable lengthwise in the tricks selectively to bring the lower jacks into and out from engagement with the dial needles, and the lower jack element being additionally pivotally mounted with respect to the intermediate jack.

2,153,020
DIFFUSION REFRIGERATING MACHINE

Guido Maiuri, London, England

Application July 3, 1937, Serial No. 151,777
In Great Britain April 30, 1937
18 Claims. (Cl. 62—119.5)



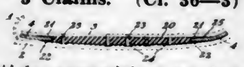
1. In a diffusion refrigerating machine, a boiler, a refrigerant receiver connected to said boiler, an evaporator charged with inert gas and connected to said refrigerant receiver and having means providing progressive outlet of inert gas from adjacent one end of and along said evaporator, an absorber charged with inert gas and connected to said boiler, an inlet conduit interconnecting said absorber and said evaporator and providing circulation of said inert gas from said absorber to said end of said evaporator adjacent said progressive outlet means, and an outlet conduit interconnecting said progressive outlet means of said evaporator and said absorber and providing circulation of said inert gas from said evaporator to said absorber.

17. A method of producing a wide range of temperatures in a diffusion refrigerating machine and limiting the production of cold at the higher temperatures of said range of temperatures, consisting in precooling by heat-exchange with refrigerant evaporating in said machine inert gas and refrigerant liquid in said machine prior to admission of said inert gas to said refrigerant liquid, evaporating said refrigerant in said inert gas under partial pressures of refrigerant increasing approximately to the total pressure of said inert gas and refrigerant, and progressively diverting said inert gas from said refrigerant as said partial pressures increase.

2,153,021
INNER SOLE HAVING RESILIENT INSERT

Meyer Margolin, Elgin, Ill.

Application June 11, 1938, Serial No. 213,139
3 Claims. (Cl. 36—3)



1. An article comprising an inner sole, said inner sole having an opening disposed centrally of the forepart of the inner sole; and a resilient insert fitting within said opening, said insert having perforations extending through its thickness, said perforations being reinforced on at least one end with bosses, said insert being bulged on at least one side to provide metatarsal support, said insert having a lap on at least one side which extends over the inner sole thus securing the insert within the inner sole and providing an insert bulge of larger area than the opening in the inner sole.

2,153,022
COMBINATION BROOCH AND DRESS CLIP

Louis Mazer, New York, N. Y.

Application August 28, 1937, Serial No. 161,405
7 Claims. (Cl. 63—20)

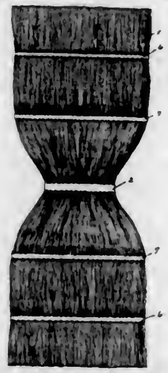


5. In a brooch of the type comprising a carrier for a pair of dress clips to be releasably assembled thereon; a carrier construction which includes a bar having a fastening pin and two pairs of hooks disposed near the ends of said bar in planes at right angles thereto, rigid therewith and facing outwardly and centrally disposed fingers substantially parallel to the respective hooks, one of said fingers having outwardly protruding dowel lugs.

2,153,023
MOP

Corinthia Pattee, San Francisco, Calif.

Application December 24, 1937, Serial No. 181,539
3 Claims. (Cl. 15—229)

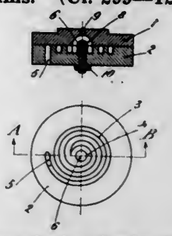


1. A mop comprising a plurality of individual, loose cords of substantially equal lengths terminating at their opposite ends free from each other, said cords being arranged generally parallel to form an elongated band of cords extending in direction longitudinally of said cords, separate flexible means extending along lines transversely of and across opposite end portions of the band and disposed relatively closer to the opposite ends of the band than to the center thereof but spaced from said opposite ends, said means securing said cords against lateral movement relatively, said individual cords being free of securement to each other outwardly of said means in directions toward the opposite free ends of the cords and a strip of flexible fabric material extending transversely of the band centrally between opposite ends thereof securing said cords together at said central point, and said strip being arranged and adapted to be engaged by the mop clamping head of a mop handle.

2,153,024
ATOMIZER FOR LIQUIDS IN GENERAL AND IN PARTICULAR FOR LIQUID FUELS

Palmiro Pulidori, Florence, Italy

Application November 25, 1936, Serial No. 112,671
In Italy December 7, 1935
3 Claims. (Cl. 299—120)



1. In a spray nozzle for finely dividing liquids the combination with an intake and a calibrated central discharge passage, of a centrally disposed whirl compartment opening into said discharge passage and having a larger cross section than the latter, a central chamber registering with said whirl compartment, an element intermediate said intake passage and said central chamber, said intermediate element providing a path in the form of an Archimedean spiral the outer end thereof communicating with said intake passage and the inner end opening into said central chamber, and a pin arranged coaxially to said spiral path in said central chamber, said pin having a hemispherical head projecting into said whirl compartment and forming a guide for the rotating liquid entering said central chamber after having passed said spiral path.

2,153,025
PACKING RING FOR SEALING THE PISTONS AND PISTON RODS

Josef Rais, Prague, Czechoslovakia, assignor to the firm Limited Company formerly the Skoda Works, Pilsen, Prague, Czechoslovakia

Application March 23, 1934, Serial No. 716,998
In Czechoslovakia April 21, 1933
5 Claims. (Cl. 309—23)



1. A packing ring arrangement for sealing pistons and the like, comprising a slotted one-piece ring of self-lubricating solid carbon, and a slotted steel ring for resiliently supporting and also exerting an outward pressure upon said carbon ring, said carbon ring being loosely mounted upon the peripheral surface of said steel ring, to be free for radial movement with respect to the latter.

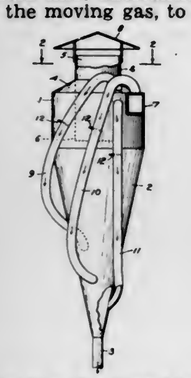
2,153,026
DUST COLLECTOR

John K. Ringius, San Francisco, Calif.

Application September 4, 1937, Serial No. 162,499
6 Claims. (Cl. 183—85)

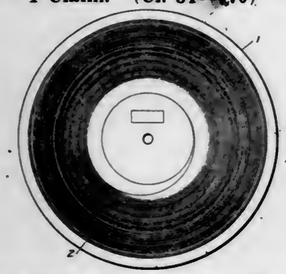
5. In a centrifugal dust collector having a vertically arranged substantially conical imperforate walled single chamber with its smaller end extending downwardly and provided with an outlet at said end for passing out of the separated dust, a tangentially arranged inlet adjacent the upper end of the chamber for injecting dust laden gas under pressure into the chamber for spiralling about and settling toward said outlet, and a centrally disposed tubular exhaust gas outlet opening out of the top of the chamber projecting a distance down into the same, the improvement

which comprises providing additional means for injecting gas under pressure taken from a position close to said inlet substantially out of the spiral path of the moving gas, to the lower por-



tion of the cone in a downward tangential manner tending to urge the separated powders along in their spiral direction of movement and downward.

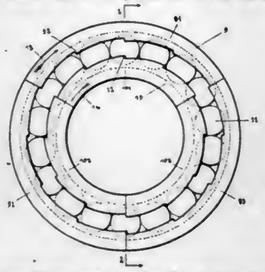
2,153,027
SUBDUED MELODY PHONOGRAPH AND ACCOMPANIMENT RECORD
King Ross, Jackson Heights, Long Island, N. Y.
Application August 19, 1937, Serial No. 159,938
1 Claim. (Cl. 84—470)



A practice sound record, to the musical recording on which, a melody is to be added by a performer as such musical recording is reproduced, comprising a record body having uninterruptedly recorded thereon, in such volume as to be audible along with the melody supplied by said performer, the bass and harmony of a musical composition, and the melody of said musical composition only faintly recorded thereon, said melody being audible only to one relatively close to the reproducing machine and inaudible when the melody is added by the performer.

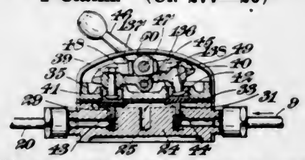
2,153,028
BEARING
Felix Schanzer, Berlin, Germany
Application December 11, 1937, Serial No. 179,233
In Germany December 21, 1936
3 Claims. (Cl. 308—196)

1. A supporting surface for a rolling rotary body, said supporting surface consisting of at least two inter-engaging parts and comprising at least two pairs of ribs engaging said rotary body, a groove being formed between said ribs, the rib of each pair constituting the continuation of a rib of another pair and having an end which is situated intermediate the ends of the last-mentioned rib, said pairs of ribs diverging and being upwardly inclined in relation to the axis of movement of the rolling rotary body, whereby the rotary body moves upon said ribs in a manner similar to the rolling of a sphere upon an upwardly inclined surface, and whereby the rotary body before leaving one pair of ribs is in engage-



ment with another pair of ribs at points of contact which are lower than the points of contact of the rotary body with the first-mentioned pair of ribs, the contacting surfaces of said two parts extending in broken lines transversely to said axis of movement and between said pairs of ribs.

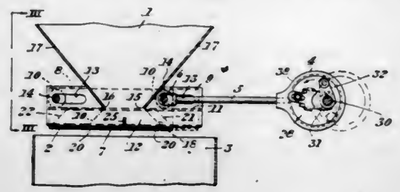
2,153,029
VALVE FOR VEHICLE BRAKES
Frederick John Tarris, London, England, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, Millbank, London, England, a British company
Application January 14, 1937, Serial No. 120,562
In Great Britain January 23, 1936
1 Claim. (Cl. 277—20)



A multi-way valve comprising a base having connections for fluid conduits and passages leading from said connections to openings in the upper surface of the base, a flexible diaphragm overlying the base to cover all the openings in common and to form one wall of a chamber affording communication between such openings as are intended at any time to communicate with one another, said base having a recess in the upper surface thereof in which the last-mentioned openings are disposed in common with one opening at each end and one at the center of the recsss, elements to exert pressure on that side of the diaphragm remote from the openings at positions where the diaphragm overlies the openings at the ends of the recess selectively to effect a lateral shift of the diaphragm over small areas adjacent the latter openings to apply the diaphragm directly thereto and close them against passage of pressure fluid so that an appropriate area of the diaphragm itself serves as an actual sealing member for the openings to be closed, pivoted arms to co-operate with said elements, and a cam lever, acting as a toggle lever, selectively to act on the pivoted arms.

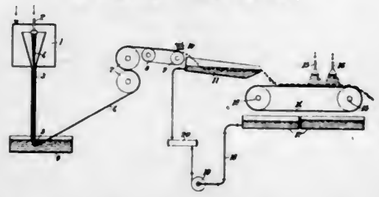
2,153,030
DEVICE FOR FEEDING MATERIAL
William H. Venable, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawknox, Pa., a corporation of New Jersey
Application August 27, 1937, Serial No. 161,172
9 Claims. (Cl. 221—142)

2. A device for feeding material, comprising a reciprocating feeder, a shaft rotatable in either direction for supplying power to reciprocate the feeder, an eccentric on said shaft imparting reciprocal motion of given amplitude to said feeder



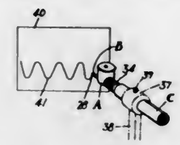
when the shaft is rotated in one direction, and means for reducing the amplitude of reciprocal motion imparted to said feeder when the direction of rotation of said shaft is reversed.

2,153,031
PROCESS OF PRODUCING CRIMPED ARTIFICIAL FIBERS FROM CUPRAMMONIA CELLULOSE SOLUTIONS
Walther Zetzsche, Edmund Stix, and Hermann Faber, Premnitz, and Max Otto Schürman, Dormagen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application July 10, 1937, Serial No. 153,058
In Germany August 7, 1936
4 Claims. (Cl. 18—54)



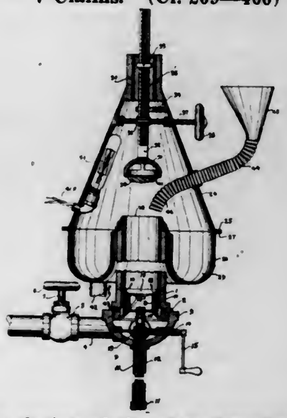
1. A process which comprises spinning threads from a solution of cuprammonia cellulose, coagulating said threads stretching said threads during coagulation, relieving the stretch on said threads, treating said threads with a hot aqueous liquid at a temperature of from 80 to 130° C. decopperizing and washing said threads.

2,153,032
WRITING DEVICE
Jeremiah W. Albin, Babylon, N. Y.
Application May 19, 1938, Serial No. 208,733
15 Claims. (Cl. 120—43)



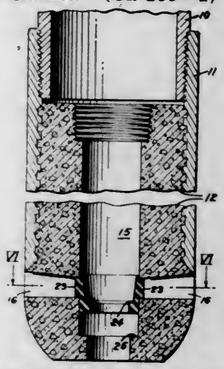
1. A capillary writing device comprising a vertical reservoir, horizontally positioned closely spaced nibs fed from said reservoir, and means to hold said nibs in said reservoir, said nibs consisting of wire elements coming closely together at their outside ends and being slightly separated from each other so as to form a capillary flow passage from said reservoir to said outside ends.

2,153,033
PNEUMATIC TREATING RECOVERY HEAD FOR DEHYDRATED CONCENTRATES
Albert K. Andrews, Vancouver, Wash.
Application June 21, 1937, Serial No. 149,430
7 Claims. (Cl. 209—466)



1. In a device of the class described, in combination in a treating head, comprising a cylinder, a piston having a fabric diaphragm extending thereacross reciprocably disposed within the cylinder, manually manipulative means for imparting movement to the piston within the cylinder, a base, a bushing secured to the base and means for securing the bushing to the cylinder, means for conducting a compressible fluid into the base and below the piston, and through the cylinder, a frusto-conical hood removably securable to the top end of the cylinder, a venting port disposed in the top end of the hood and a receiving pocket formed integral with the hood and disposed at the bottom of the hood.

2,153,034
CEMENTING DEVICE FOR WELL CASINGS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application October 10, 1936, Serial No. 105,042
10 Claims. (Cl. 166—1)



1. A device of the character described comprising a casing shoe, a cementitious body cast therein and inseparably united therewith, said body having a guide portion extending beyond the lower end of said shoe, said body having an open-ended circulating passageway formed coaxially therethrough, said guide portion of the

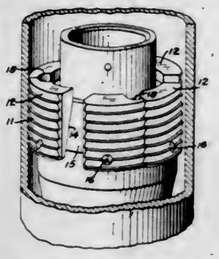
body having tangentially arranged radial cementing passageways formed therethrough and extending outwardly from said circulating passageway.

2,153,035

METHOD OF PRODUCING SLIPS FOR OIL WELL TOOLS

Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application January 21, 1937, Serial No. 121,539
1 Claim. (Cl. 29—148)



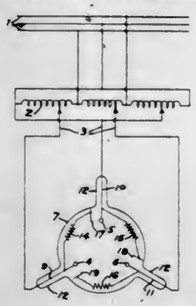
A method of producing cast iron slips which comprises producing a slip casting in the form of a ring, forming longitudinal slots in the inner wall of said casting at spaced circumferential points thereabout during the casting thereof, forming weakening grooves longitudinally in the casting during the casting thereof and intermediate said slots, forming hard sharp wickers circumscribing the exterior surface of said casting, grinding the interior bore of said casting, truing the exterior of said casting to conform with said bore, and then fracturing said casting at each of said slots to form segmental slips, said weakening grooves enabling said slips to fracture vertically when they are placed in gripping position relative to a casing.

2,153,036

POLYPHASE LUMINOUS TUBE AND CIRCUIT

Clarence E. Burt, Los Angeles, and Richard Mayer, Huntington Park, Calif., assignors to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California

Application May 15, 1937, Serial No. 142,822
10 Claims. (Cl. 176—124)



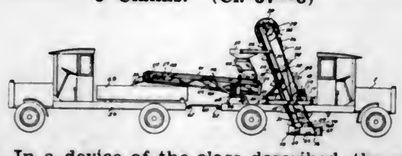
1. A polyphase gaseous conduction lamp comprising an envelope containing a plurality of equally spaced main electrodes peripherally positioned, a filling of conductive gas, and a starting resistance inside of said envelope connected at one end to one of said electrodes and terminating close to one of the next adjacent electrodes.

2,153,037

PICK-UP AND LOADING MACHINE

Clyde J. Chaffins, Vancouver, Wash.

Application December 22, 1934, Serial No. 758,848
3 Claims. (Cl. 37—8)



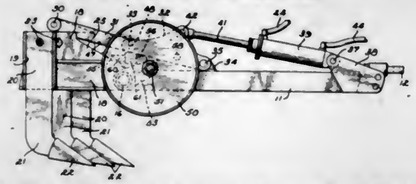
1. In a device of the class described, the combination with two self-propelled trucks, of means for securing the trucks together back to back, digging, elevating and conveying instrumentalities mounted upon one of the trucks, said digging and elevating apparatus being mounted at one side of the truck and a receiving bed mounted upon the other of the trucks so that as one of the trucks is propelled in a forward direction materials may be dug and delivered into the other of the trucks as the same is propelled in a backing up direction.

2,153,038

RIPPER

John M. Corbett, Huntington Park, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California

Application July 6, 1936, Serial No. 89,170
6 Claims. (Cl. 97—73)



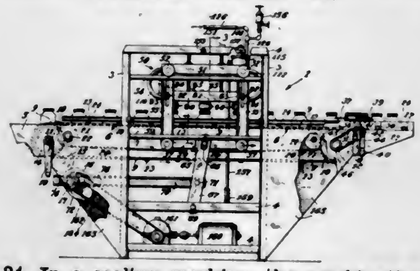
1. In a ripper, the combination of: a working frame having earth ripper means; a draft frame for pulling said working frame; toggle means operably connected to said frames; operating means for operating said toggle means so as to move said working frame between working and non-working positions; supporting means for supporting said draft frame in a suitable position; and means for lowering said supporting means relative to said draft frame when said working frame is in non-working position.

2,153,039

SEALING MACHINE

Frank L. Darling, Paterson, N. J., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application June 20, 1936, Serial No. 86,383
24 Claims. (Cl. 226—84)



24. In a sealing machine, the combination of

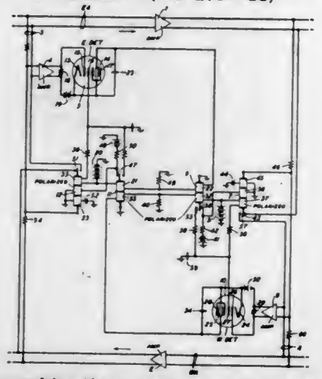
a support, a conveyor for moving a group of containers in a straight line over said support, a sealing mechanism having a plurality of sealing chucks for simultaneously sealing the group of containers, and reciprocating means for moving the sealing mechanism and support parallel with respect to said conveyor, and at the same rate of speed and in the same direction as the group of containers when said sealing chucks are effective.

2,153,040

SIGNAL TRANSMISSION SYSTEM

Alton C. Dickieson, Hollis, and Harold J. Fisher, Port Washington, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1937, Serial No. 182,442
5 Claims. (Cl. 178—44)



1. In combination, two signal transmission paths, a switching circuit connected to each path, including an electron discharge detector tube having a cathode, an anode, a control grid and a screen grid, and circuits therefor, said switching circuit being responsive to signal transmission in the path to which it is connected to insert attenuation in the other path, and to bias the screen grid of the detector tube in the switching circuit connected to said other path, so as to disable that tube and thus prevent subsequent false operation of said other switching circuit by transmission in said other path.

2,153,041

CLOSURE MEANS FOR PAPER CUPS

Herman Gold, New York, N. Y., assignor to Breakstone Bros., Inc., New York, N. Y., a corporation of Delaware

Application April 9, 1938, Serial No. 201,174
4 Claims. (Cl. 229—5.5)



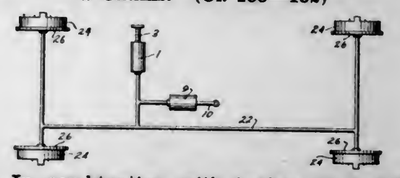
1. A closure means for paper containers comprising a cup having a rolled top edge, an annular groove formed in the body of the cup below the edge, a flat sealing disk having its edge seated in said groove, the rolled top edge of the cup above the groove being formed with a plurality of indentations to cause portions of said edge to overlie the cap and co-operate with the groove in holding the cap in sealing position in the cup.

2,153,042

BRAKE ADJUSTER

Sam F. Graziano and Sam J. Cicero, Tampa, Fla.

Application March 3, 1937, Serial No. 128,838
2 Claims. (Cl. 188—152)



2. In combination with brakes on a vehicle each having brake shoes and an operating means therefor, an hydraulic brake adjuster comprising fluid operated devices placed at the ends of the brake shoes opposite the brake shoes operating means and serving as a support for said shoes; a manually operable cylinder device serving as a means to adjust and hold to permanent adjusted position said fluid operated devices; and a cylinder device connected to said fluid operated devices by conduits, and adapted, when positively operated during application of the brake shoes, to keep constant firmness of fluid in said fluid operated devices and connecting conduits, to adjust all brake shoes on a vehicle, at the same time.

2,153,043

PROCESS OF MAKING THE PIPERIDINE SALT OF PENTAMETHYLENE-DITHIO-CARBAMIC ACID

Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 24, 1936, Serial No. 76,266
4 Claims. (Cl. 260—293)

1. The process of making the piperidine salt of pentamethylene-dithio-carbamic acid which comprises reacting piperidine and carbon disulfide in the presence of an aliphatic ketone having a boiling point below substantially 150° C., at a temperature of substantially 0° to 15° C.

2,153,044

EARCAP FOR TELEPHONE RECEIVERS

Niels Poul Robert Jarnak, Hillerod, Denmark

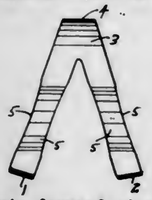
Application October 5, 1937, Serial No. 167,335
In Denmark October 5, 1936
3 Claims. (Cl. 179—82)



2. A sound conveying member comprising a suitably formed body for clamping an elastic diaphragm, said member having a central opening adopted to conduct the sound waves to or from the said diaphragm, in the said member a plurality of separate channels open at both ends

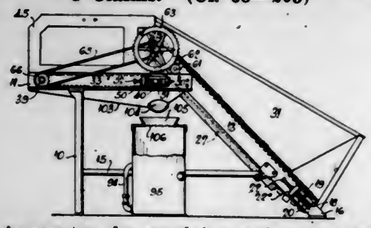
defining a multi-cavity resonator, the apertures of these channels at the one end connecting with the said central opening, and the apertures at the other ends of these channels connecting with the external atmosphere.

2,153,045
CLOTHESPIN
George W. Kusman, Poland, Ohio
Application August 11, 1938, Serial No. 224,341
3 Claims. (Cl. 24—137)



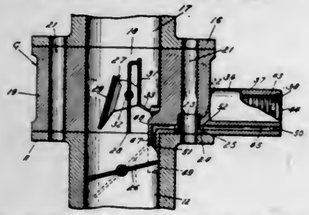
2. A clothes pin formed of a single section of material and comprising a head portion, two pairs of clamping prongs formed on the said head portion, at a slight angle to one another, so as to form a double clothes pin of an inverted V shape.

2,153,046
APPARATUS FOR TREATING YARN
Homer V. Lang, Charlotte, N. C.
Application May 3, 1937, Serial No. 140,477
8 Claims. (Cl. 68—205)



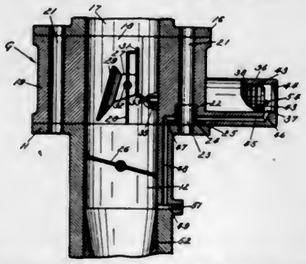
1. Apparatus for applying a treating solution to packages of yarn comprising a horizontally disposed conveyor, a spraying nozzle disposed above the conveyor for directing a treating fluid onto the conveyor and the packages thereon, a horizontally inclined baffle disposed above the conveyor and in close proximity thereto and laterally of the spraying nozzle to move the packages laterally of the conveyor when the conveyor moves the packages in contact with the baffle, as they are passing beneath the spraying nozzle.

2,153,047
GOVERNOR
William E. Leibing, Sausalito, Calif., assignor to Leibing Automotive Devices, Inc., San Francisco, Calif., a corporation of Nevada
Application March 5, 1936, Serial No. 67,358
10 Claims. (Cl. 277—22)



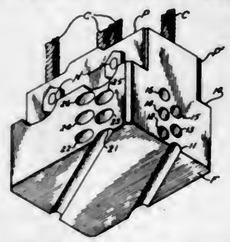
1. In a governor for an internal combustion engine employed in combination with a manually operable valve for governing fluid flow through a conduit, pressure responsive means to operate said governor, and means to connect said pressure responsive means to said conduit, said valve coacting with said means in one position to subject said pressure responsive means to the pressure in the conduit on one side of said valve and in another position with the pressure in said conduit on the other side of said valve.

2,153,048
GOVERNOR
William E. Leibing, Detroit, Mich., assignor to Leibing Automotive Devices, Inc., Detroit, Mich., a corporation of Nevada
Application May 29, 1936, Serial No. 82,655
7 Claims. (Cl. 123—98)



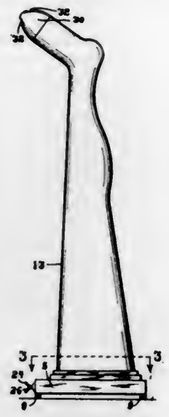
1. In combination with a carburetor for an internal combustion engine, said carburetor forming a part of the fuel intake conduit for said engine and having a conduit and a throttle valve associated therewith, a governor valve in said conduit for governing the flow of fuel mixture to said engine from said carburetor and responsive to the rate of flow of fuel mixture, pressure responsive means to operate said governor valve, means to subject said pressure responsive means to the pressure of said fuel mixture adjacent said governor valve, and means to subject said pressure responsive means to the pressure of said fuel mixture between said throttle valve and the point in said carburetor where said fuel mixture is made.

2,153,049
BRUSH FOR ELECTRICAL MACHINERY
Victor A. Myers, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Application July 18, 1936, Serial No. 91,303
12 Claims. (Cl. 171—325)



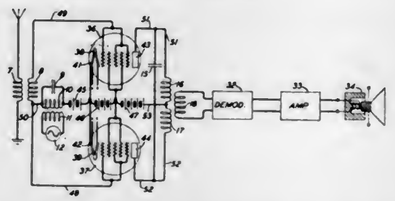
1. A brush for electrical machinery comprising a body of conductive material having a contacting face subject to wear in service, said face having a recess therein, and a hole in said body so disposed that it will provide another recess in the contacting face of the brush as soon as the first-named recess becomes obliterated by service wear.

2,153,050
STOCKING DRYING FORM
George Philip Pfaffle, Akron, Ohio
Application January 13, 1937, Serial No. 120,394
1 Claim. (Cl. 223—76)



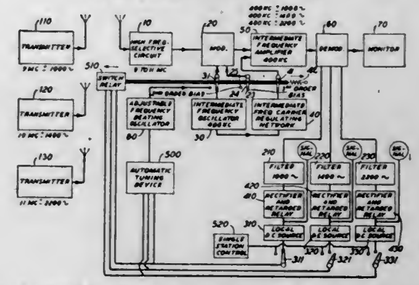
In a device of the character described, a hollow base having an upstanding plug, a hollow stocking form positioned on said base with said plug received in the lower end thereof, said base provided with an inlet opening and said plug provided with an opening therethrough communicating with the cavities of the form and base; an electrical heating element positioned on said plug immediately above the base opening and surrounding the opening in the plug; the toe portion of said form provided with an outlet opening substantially as and for the purpose herein set forth.

2,153,051
ELECTRIC WAVE RECEIVER
John R. Pierce, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1938, Serial No. 185,138
9 Claims. (Cl. 250—17)



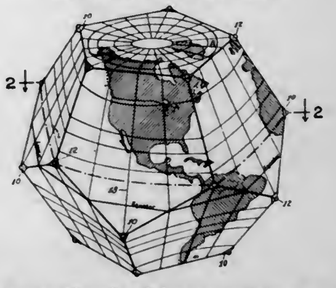
7. A high frequency receiving system comprising two similar electronic vacuum tubes structurally adapted for strong third order modulation, untuned means adapted to couple a source of radiant energy into the control grid-cathode circuit of a first one of said vacuum tubes, tuned means adapted to connect a source of low frequency into the control grid-cathode circuit of the second one of said vacuum tubes in parallel with the control grid-cathode circuit of the first one of said vacuum tubes, and connected between the anode of said first tube and the anode of said second tube, an output circuit tuned to the frequency of said low frequency source.

2,153,052
RADIO BROADCASTING SYSTEM
George Rodwin, Randall Manor, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,689
13 Claims. (Cl. 250—9)



5. A double detection multiple channel pick-up radio receiving system using third order modulation in a substantially fixed frequency heterodyne receiver comprising a high frequency selective input circuit having a frequency band width inclusive of signals receivable over a plurality of channels, a modulator receiving signals from said input circuit, an oscillator supplying to said modulator a carrier current of substantially fixed frequency, means for biasing said modulator to give high third order products, means for tuning the output circuit of said modulator to a frequency band centering around the frequency of said oscillator, an intermediate frequency amplifier, a demodulator, selective circuits connected with the output circuit of said demodulator, and a plurality of selective signal receiving means terminating said selective circuits.

2,153,053
GLOBE
James Addison Smith, Seattle, Wash.
Application November 22, 1937, Serial No. 175,895
3 Claims. (Cl. 35—46)

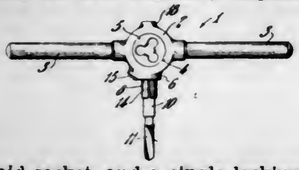


1. An approximate globe comprising a collapsible frame, twelve flat pentagonal sides, means for detachably connecting the twelve sides to the frame to form a dodecahedron, and a universal map shown on the globe with each component part thereof appearing upon the respective sides in geographical sequence.

2,153,054
DIE STOCK AND TAP WRENCH
Herbert J. Smith, Greenfield, Mass.
Application December 3, 1937, Serial No. 177,956
10 Claims. (Cl. 10—123)

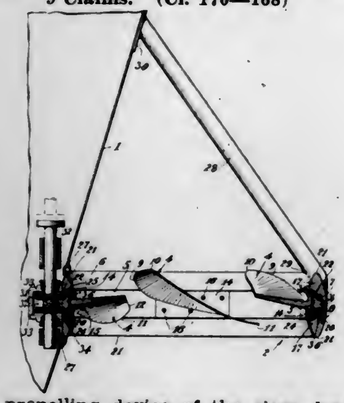
1. In a die and tap holder, a body portion pro-

vided with a socket for receiving a die, a spring sleeve in said body portion for receiving a tap and having an axis angularly disposed to the



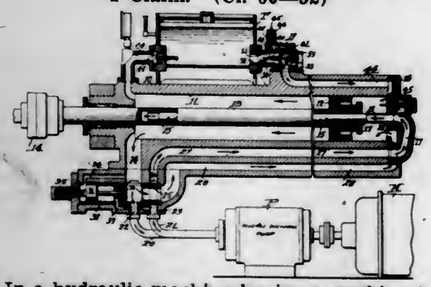
axis of said socket, and a single locking element for locking a die in said socket and for locking said sleeve against rotation relative to said body portion.

2,153,055
PROPELLER
Henry Weissmann, Staten Island, N. Y.
Application April 6, 1938, Serial No. 200,398
9 Claims. (Cl. 170—168)



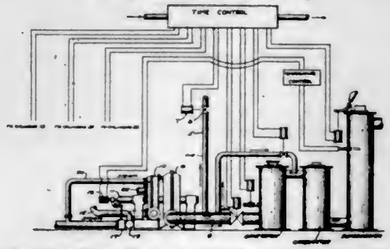
1. A propelling device of the class described, comprising a rotatable ring member, and a plurality of blade members secured to the inner periphery of said ring member, said blade members being wider at the leading edge than the trailing edge thereof.

2,153,056
HYDRAULIC DRIVE FOR MACHINE TOOLS
Donald H. West, Bolton, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application August 7, 1936, Serial No. 94,791
1 Claim. (Cl. 60—52)



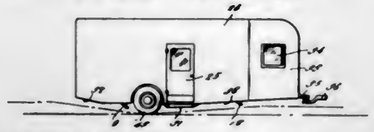
In a hydraulic machine having a working tool actuated by a piston movable in a fixed cylinder toward the rear end for a working stroke and toward the front end for a return stroke and having a piston rod with a hollow open rear end portion, a tubular member fixed in the rear end of said cylinder and telescoping within said hollow piston rod portion and thereby making the rear end of the cylinder of greater effective cross-sectional area than the front end, said tubular member conveying oil under pressure to said hollow piston rod portion for a return stroke of said piston and tool, a controlled return connection from the front working end of said cylinder to the rear end, a pump connected to supply oil under pressure alternately to the front end of said cylinder and to said tubular member, a storage tank, connections from said tank to each end of said cylinder, and means to prevent flow of oil from the front end of said cylinder to said tank when said cylinder is under pressure, that improvement which comprises interposing in the connection from said tank to the rear end of said cylinder about said fixed tubular member means effective to provide free flow of make-up oil from said tank to said cylinder during a return stroke of said piston and effective to provide restricted flow only to said tank of excess oil discharged from the rear end of said cylinder during a working stroke, thereby limiting the speed of the tool during said working stroke.

2,153,057
GAS PRODUCER CONTROL
George W. Allen, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass., a corporation of Massachusetts
Application May 14, 1937, Serial No. 142,599
7 Claims. (Cl. 48—83)



6. In combination, a water gas set, a blower for supplying air to said set, a steam turbine for driving said blower, an idling nozzle in said turbine, a plurality of groups of power nozzles in said turbine, steam lines for supplying steam to said idling nozzle and to said groups of power nozzles, valves in said lines, time control mechanism for said set, and means controlled by said mechanism for adjusting said valves for varying the number of nozzles supplied with steam in said turbine in accordance with the air requirements of said set.

2,153,058
CHASSIS FRAME FOR HOUSE TRAILERS
Harley H. Bashor, Albuquerque, N. Mex., assignor of one-half to Albert E. Buck, Albuquerque, N. Mex.
Application October 21, 1937, Serial No. 170,287
1 Claim. (Cl. 280—106)

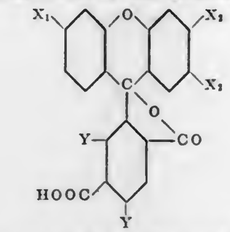


A chassis frame for a house trailer comprising a pair of longitudinal chassis bars, a plurality

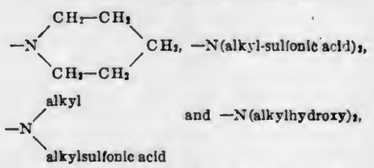
of spaced cross bars connecting said longitudinal bars for co-operating therewith in supporting a sub-flooring of a trailer body, a plurality of sill bars formed on outer faces of the longitudinal bars and extending at right angles thereto and arranged in a plane above said cross bars for supporting flooring of the body in a plane above the sub-flooring and certain of said sills supporting an extension flooring for the sub-flooring, a V-shaped member connecting the longitudinal bars and arranged in a horizontal plane therewith and having an extension member integral therewith and extending beyond companion ends of said longitudinal bars.

2,153,059
CHROMABLE DYESTUFFS OF THE TRIARYLMETHANE SERIES AND PROCESS OF PREPARING THEM
Wilhelm Eckert and Karl Schilling, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 23, 1937, Serial No. 127,312. In Germany February 26, 1936
9 Claims. (Cl. 260—336)

1. The compounds of the general formula:

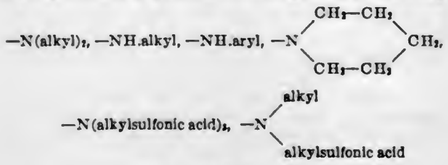


wherein X_1 represents a radical of the group consisting of



and —N(alkylhydroxy)$_2$,

X_2 represents a radical of the group consisting of



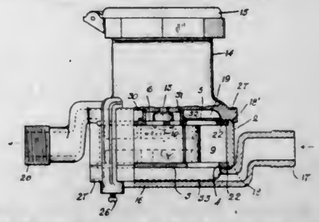
and —N(alkylhydroxy)$_2$,

X_3 represents a radical of the group consisting of hydrogen and alkyl and wherein one Y represents hydroxy and the other Y hydrogen.

2,153,060
PROCESS FOR PRODUCING REFLECTIVE ALUMINUM SURFACES
John M. Guthrie, Grantwood, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 1, 1938, Serial No. 217,077
15 Claims. (Cl. 204—1)

1. In a process of producing a highly reflective surface on aluminum in which the aluminum surface is brightened and a superficial film is simultaneously produced thereon by anodic treatment of said surface in an aluminum brightening electrolyte, the step comprising removing said superficial film by treating the brightened surface with an aqueous solution of a solvent which will preferentially attack aluminum oxide, and controlling the time of treatment and the temperature and concentration of the solution to effect the removal of the film without damage to the brightened surface or substantial impairment of its reflecting properties.

2,153,061
FLUID METER CONSTRUCTION
Frederick W. Hanks, Cleveland, Ohio
Application October 23, 1936, Serial No. 107,179
7 Claims. (Cl. 73—273)

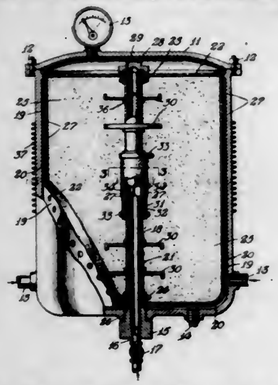


1. In a fluid meter, a fluid-impeller chamber having a surrounding wall section, a back closure wall with an inlet port and a front closure wall with an outlet port, an inlet chamber assemblable over said inlet port and having an inlet connection, an outlet chamber assemblable over said outlet port and having an outlet connection, external shoulders on said inlet chamber and said outlet chamber, a gear box and indicating means carried by said outlet chamber, said inlet chamber and outlet chamber being rotary in their assembly for regulation of the angle between the inlet and outlet connections, fluid-tight joint means between the inlet chamber and the fluid-impeller chamber and between the fluid impeller chamber and the outlet chamber, clamp-receiving grooves on the shoulders of the inlet chamber and outlet chamber, and locking-clamps engageable in the grooves of said shoulders for locking the assembly together in adjusted relative position.

2,153,062
APPARATUS FOR REFINING OIL
Avery S. Harlan, Detroit, Mich., and Victor S. Crane and Paul R. Honan, near Lebanon, Boone County, Ind., assignors to Honan-Crane, Inc., Lebanon, Ind., a corporation of Indiana
Application November 13, 1936, Serial No. 110,620
7 Claims. (Cl. 210—131)

1. Apparatus for purifying the lubricating oil of an internal combustion engine comprising a housing, a body of pulverized absorptive earth material disposed within said housing and spaced away from the outer wall thereof, a fabric bag enclosing said pulverized material, a foraminous basket enclosing said bag and cooperating with said bag to maintain the spaced relation between said body and said wall, said bag being bodily removable from said basket for renewing said body of absorptive earth material means for supplying oil under pressure from said engine to the space between said body and said outer wall to cause the oil to enter said body through the outer surface thereof, the pressure of said oil acting to force said bag away from the surface of

said basket to permit entrance of oil through the entire surface of said body of earth material, and



means for draining the oil from the interior of said body after it has penetrated inwardly through said body to the interior thereof.

2,153,063
PROCESS FOR THE RECOVERY OF NITROPARAFFINS
Homer Kieweg, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 3, 1938, Serial No. 188,514
10 Claims. (Cl. 260—644)

1. In the process for the recovery of lower nitroalkanes from the gaseous reaction products resulting from the vapor phase nitration of lower alkanes by the action of a nitrating agent chosen from the class consisting of nitric acid vapor and nitrogen dioxide on said lower alkanes at elevated temperatures, the step which comprises absorbing lower nitroalkanes contained in such gaseous reaction products by contacting said reaction products with silica gel.

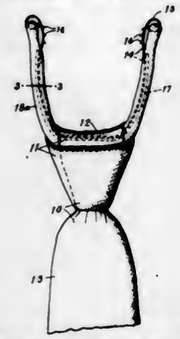
2,153,064
PROCESS FOR THE PREPARATION OF GLYCOLIC ACID
Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 3, 1937, Serial No. 172,518
19 Claims. (Cl. 260—530)

1. An improved process for the preparation of glycolic acid which comprises reacting formaldehyde, water and carbon monoxide catalyzed by an inorganic acidic catalyst while dissolved in at least one-half a mol of an organic acid per mol of formaldehyde.

2,153,065
VAPOR PHASE NITRATION OF THE LOWER ALKANES
Jerome Martin, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application January 28, 1938, Serial No. 187,406
8 Claims. (Cl. 260—644)

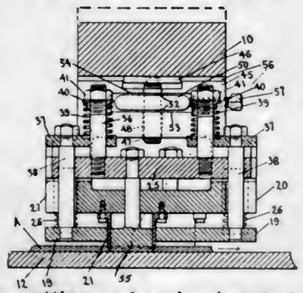
1. In a process in which nitric acid is vaporized and reacted with a lower alkane in the vapor phase to form lower nitroalkanes, the steps which comprise preheating said lower alkane to a temperature at which any cracking which takes place occurs only to such an extent that the resulting heated gas comprises primarily lower alkanes and continuously introducing liquid nitric acid and said heated gas into a vaporizing zone, the said heated gas having a heat content sufficient to supply substantially all of the heat of vaporization necessary to vaporize the said nitric acid at the same rate at which said nitric acid is introduced into the vaporizing zone, whereby a reaction mixture of lower alkane and nitric acid vapors is continuously produced.

2,153,066
AUTOMATIC COLLAR-ATTACHING NECKTIE
Otto Monroe Nichols, Baxter Springs, Kans., assignor of one-half to W. R. Feemster, Chicago, Ill.
Application December 22, 1937, Serial No. 181,178
3 Claims. (Cl. 24—49)



1. In a collar attaching device for a necktie, the combination of a substantially U-shaped flat spring-strip provided with needle-pointed barbs that extend inward toward one another from opposite end portions of the strip for entering a collar-band under pressure of the spring-strip, and a pliable tube having the greater part of said U-shaped spring-strip enclosed therein and havings its ends secured in place at the respective ends of said spring-strip, the middle part of said collar-attaching device being adapted for engagement with the knot of a necktie in proper relation for securing said knot in place at the front of the collar-band.

2,153,067
CUTTING AND EMBOSSING DEVICE FOR BISCUIT MACHINES
Alfred Alltimes, Medford, Mass.
Application April 14, 1938, Serial No. 202,005
7 Claims. (Cl. 107—26)



1. In a cutting and embossing device having

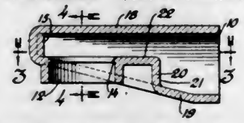
supporting means attachable to the crosshead of a biscuit machine, a plurality of cutting elements secured thereto, and embossing elements mounted therein and relatively movable in alignment therewith, means engageable with the crosshead for operating the embossing elements relative to the cutting elements to emboss and cut a sheet of dough simultaneously; and to strip the cut sections from the cutting elements.

2,153,068
EFFECTIVE LENGTH ADJUSTING MEANS FOR APPAREL ELEMENTS
Thomas R. Arden, Baldwin, N. Y., assignor to Ultrad Products, Incorporated, a corporation of New York
Application April 14, 1938, Serial No. 202,083
4 Claims. (Cl. 2—269)



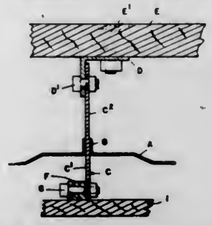
1. An apparel element having a pair of slits extending transversely thereof, a separable fastener element secured to said apparel element at the outer side thereof between said slits, a flexible element extending through said slits and having its end portions disposed inwardly of said apparel element and its intermediate portion overlying the apparel element between said slits, one end of said flexible element being fastened to the apparel element at a point spaced longitudinally along the apparel element from said separable fastener element, and a series of separable fastener element carried by said flexible element and spaced therealong for selective cooperation with said first mentioned separable fastener element.

2,153,069
ELBOW FOR CONNECTING AIR CLEANERS AND CARBURETORS
Harry F. Barr and Joseph W. Ridgway, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 25, 1937, Serial No. 127,613
6 Claims. (Cl. 285—211)



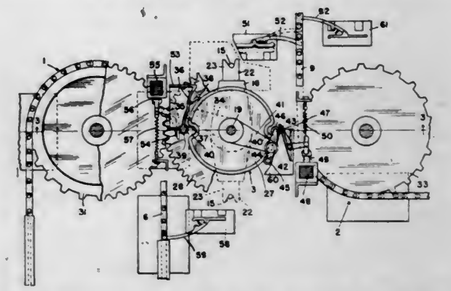
1. A device for connecting an air cleaner to a carburetor at substantially a right angle thereto comprising, a member having an air passageway therein comprising a portion of constantly increasing width and constantly decreasing height and a second air passageway at right angles to said first mentioned passageway and joining the same; said member also having a projection formed in one end of the first passageway, a curved lip portion adjacent the junction of the two passageways and a generally V-shaped member in the lower wall of said first mentioned passageway in substantial alignment with the projection which divides a portion of the same into two parts.

2,153,070
CAR ROOF
William E. Bikle, Park Ridge, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application June 28, 1937, Serial No. 150,840
4 Claims. (Cl. 108—5.4)



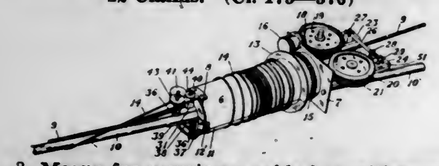
1. In a metallic car roof, a member extending through said roof and supported thereby having a portion depending beneath the same forming a ceiling support, and a portion extending upward for supporting a running board.

2,153,071
CONVEYER
Leonard J. Bishop, Detroit, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application January 24, 1938, Serial No. 186,699
6 Claims. (Cl. 198—25)



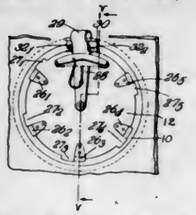
1. The combination with a loading work conveyer and a receiving work conveyer advanced independently of said loading conveyer, of a device movable toward and away from said loading conveyer and receiving conveyer for transferring work from the former to the latter, and means for advancing said device during the portion of its movement toward and away from said loading conveyer at substantially the same rate as that of said loading conveyer and for advancing said device during the portion of its movement toward and away from said receiving conveyer at substantially the same rate as that of said receiving conveyer.

2,153,072
MEANS FOR SUSPENDING AERIAL CABLES
Archie Coleman Bookout and Frederick Baxter Pitts, Oklahoma City, Okla., assignors to American Telephone and Telegraph Company, a corporation of New York
Application April 13, 1937, Serial No. 136,694
12 Claims. (Cl. 175—376)



3. Means for securing a cable in position upon a messenger strand composed of helical disposed wires, including a drum adapted to be placed about and advanced along a strand and cable line, wrapping material carried by the drum adapted to be coiled about the cable and strand, and roller members carried forwardly of the drum and having spiral cuts about their peripheries to frictionally engage the helically disposed wires of the strand upon the advancement of the drum thereover to rotate the drum and automatically uncoil the material thereon and wrap it about the strand and cable to support the cable on the strand.

2,153,073
INSPECTION DOOR AND LIKE CLOSURE
Jacques Francois Gabriel Chobert, Saint-Etienne, France
Application November 21, 1936, Serial No. 112,181
In France December 3, 1935
7 Claims. (Cl. 20—39)



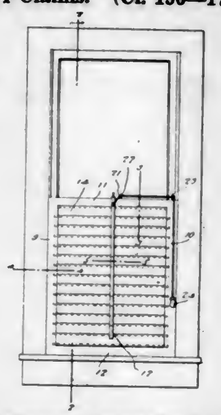
1. An inspection door comprising a fixed frame, a closure plate hinged to said frame in a manner to allow movement of said closure plate in its own plane relatively to the frame as well as movement about the hinge, a number of fastening devices carried by said plate and cooperating with the frame upon such relative movement, in one sense, to secure the closure plate at a number of points and spring means acting to maintain the closure plate in the locked position.

2,153,074
CEILING FOR CAR ROOFS
Joseph F. Comee, North Brook, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application August 23, 1937, Serial No. 160,531
4 Claims. (Cl. 108—5.2)



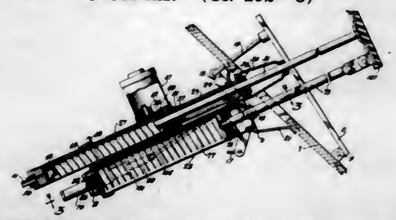
1. In a car, a ceiling comprising a series of arched panels of flexible resilient material having a relatively high resistance to compression stresses extending continuously from side to side beneath the roof, supporting end thrust receiving abutments for the opposite ends thereof, a reinforcing purline for said panels extending longitudinally of the car intermediate said abutments, and hangers depending from the roof for supporting said purline, said panels being sufficiently flexible and resilient to be capable of reverse bowing while in engagement with said abutments.

2,153,075
VENTILATOR BLIND
Tilden Copeland, Sweetwater, Tex.
Application May 21, 1938, Serial No. 209,343
4 Claims. (Cl. 156—17)



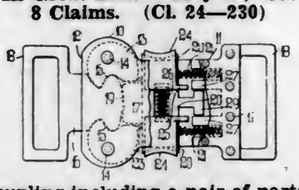
1. A blind structure comprising a frame, a plurality of swingably mounted louvers in the frame, a control bar extending vertically across the louvers, connections between the louvers and the control bar, a projection on the upper portion of the frame, a strap extending over the frame and having openings therein for receiving the said projection, one end of the strap being secured to the control bar.

2,153,076
HYDRAULIC BRAKE
Theron P. Chase, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 1, 1937, Serial No. 172,099
5 Claims. (Cl. 192—3)



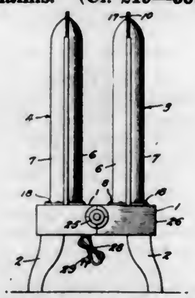
1. Hydraulic brake applying means comprising a master cylinder, a plunger reciprocable therein, a pedal pad carried by said plunger, an air cylinder, a piston therein having a rod projecting from the cylinder, said rod being parallel to said plunger and connected to said pad whereby the plunger is restrained from rotation about its longitudinal axis, a conduit opening to said air cylinder and adapted to be connected to a source of suction, a valve in said conduit, an accelerator pedal, connections therefrom adapted to open said valve to the atmosphere when the accelerator pedal is depressed and to said source of suction when released.

2,153,077
COUPLING
Frederick Arthur Clarke, Chelsfield, England
Application July 21, 1937, Serial No. 154,905
In Great Britain May 24, 1937
8 Claims. (Cl. 24—230)



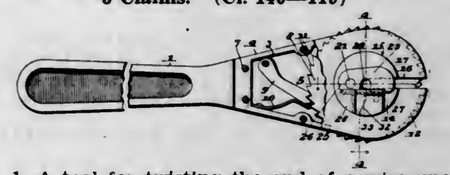
1. A coupling including a pair of parts adapted to be coupled together, one of said parts having a head provided with opposed recesses, and the other of said parts including a socket member having an open end, a pair of latch fingers pivoted at opposite sides of the open end of said socket member for engaging the walls of opposed recesses in said head when the parts are coupled together, a longitudinally shiftable plate mounted centrally in said socket member and having an abutment at the forward end thereof, a pair of spaced springs bearing against said socket member and the opposite end of said plate for normally forcing said plate and the abutment toward the open end of said socket member, said abutment being adapted to extend between adjacent ends of said latch fingers when the opposite ends thereof are in engagement with the walls of the recesses in said head whereby to lock the said fingers in the said recesses, a pair of opposed members carried by said plate and movable therewith, said members being shiftable in a plane normal to the direction of movement of said plate, spring means for normally maintaining said shiftable members separated, a pair of projections on said socket member between said pair of springs and defining a space, a pair of rearwardly extending projections one on each of said shiftable members for abutting against the projections on said socket member when the coupling parts are locked together whereby to prevent accidental displacement thereof, the projections on said shiftable members adapted to extend into the space between the projections on said socket member when the shiftable members are shifted inwardly toward one another to permit the plate to be retracted and the latch fingers to release the head.

2,153,078
ELECTRIC RADIATOR
Joseph Deuches, Memphis, Tenn.
Application August 10, 1936, Serial No. 95,217
6 Claims. (Cl. 219—38)



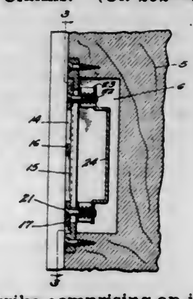
1. In an electric heater, a base, a casing supported by said base and extending perpendicular thereto, and comprising a pair of sections slidably connected to each other, an electric heating means mounted on one of said sections only.

2,153,079
WIRE SPLICER
Milo G. Featherston, Lexington, Ky.
Application October 27, 1937, Serial No. 171,334
3 Claims. (Cl. 140—119)



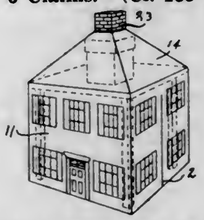
1. A tool for twisting the end of a wire upon itself, said tool comprising a head, a wheel which has hubs revolubly mounted on said head, the wheel and its hubs and the head having a slot to receive the wire, and a lug projecting from one of the hubs, said lug having an opening with a terminal which is offset from the opening, to receive and slidably hold the wire end during said twisting.

2,153,080
ADJUSTABLE LOCK STRIKE
Charles B. Flora, Danville, Va., assignor to Flora Manufacturing Company, Incorporated, Danville, Va., a corporation of Virginia
Application February 26, 1937, Serial No. 127,997
4 Claims. (Cl. 292—340)



2. A lock strike comprising an innner attaching plate, an outer strike plate adjustably mounted thereon, clips bearing against the rear of the attaching plate and provided with guide lips, a connecting yoke having its ends offset and slidably mounted between the guide lips of the clips, threaded pins extending through the strike plate, attaching plate and clips and engaging the connecting yoke, and coiled springs surrounding the pins and interposed between said clips and connecting yoke.

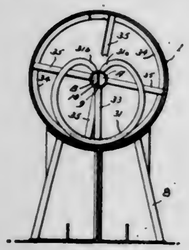
2,153,081
PLAY SHELTER
Harold R. Goodale, Bristol, Conn.
Application May 6, 1937, Serial No. 141,181
6 Claims. (Cl. 135—1)



1. A play tent comprising a regulation card table in combination with a one-piece fabric shelter enclosing the table and having connected side

walls, the upper edges of the side walls substantially conforming to and being supported by the edges of the table.

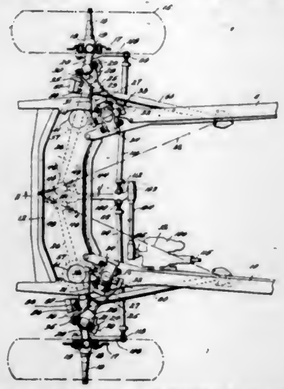
2,153,082
SUGAR CRYSTALLIZING APPARATUS
Harry E. Grill, Willoughby, and Henry H. Feldstein, Cleveland, Ohio, assignors to The Kilby Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1938, Serial No. 184,452
1 Claim. (Cl. 127—15)



The combination, with a circular crystallizer tank, of a hollow shaft mounted within and extending longitudinally through said tank, the said shaft comprising a receiving header or compartment and a delivery header or compartment extending longitudinally thereof, a series of tubular units each having one end connected to the receiving header or compartment and its opposite end connected to the delivery header or compartment, each unit approximating in shape a convolution of a helical coil mounted eccentrically with respect to said shaft and having its outer or peripheral portion in proximity to the inner wall of the tank, a second series of oppositely arranged tubular units similar to the first mentioned units and connected in like manner to the headers or compartments of the shaft, a radially extending brace connecting the central peripheral portion of each unit with the shaft, a combined helical stirrer and scraper arranged concentrically with respect to the shaft and extending in proximity to the inner surface of said tank, supporting arms carried by said shaft and connected to said combined scraper and stirrer, means for rotating said shaft, means for supplying cooling liquid to the receiving header or compartment and for delivering such liquid from the delivery header or compartment of said shaft during the rotation thereof.

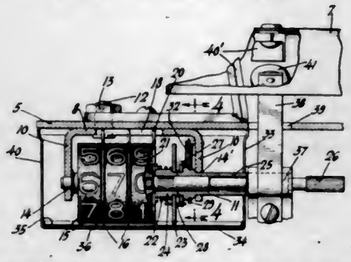
2,153,083
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1935, Serial No. 45,347
18 Claims. (Cl. 280—124)

1. In an independent wheel suspension for motor vehicles, the combination with a vehicle frame, of a road wheel assembly, means associated with said road wheel assembly supporting the latter for rising and falling movement with respect to the vehicle frame, said means comprising a plurality of laterally extending links pivotally connected to said frame and to said road wheel assembly, a torque arm acting between said frame and one of said links for resisting braking torque, and means associated with said torque arm and last named link for initially adjusting and determining the caster angle of the road wheel to compensate for slight manufacturing variation in the



dimensions of the several elements of the suspension.

2,153,084
RATCHET MECHANISM
Henry H. Harada, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 21, 1934, Serial No. 744,876
4 Claims. (Cl. 74—142)

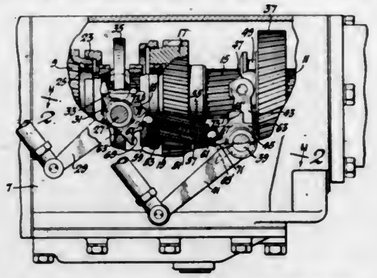


1. A mechanism comprising a base, a shaft rotatably mounted on said base, wheels mounted on the shaft, a sleeve rotatably mounted on the shaft, a rocker arm and ratchet secured to the sleeve, a pawl carried by a pawl retainer mounted on the shaft, a plate fixed with respect to the base adjacent the first wheel and a spring between the plate and pawl retainer surrounding the shaft, to prevent the wheel and shaft from moving back upon the return of the sleeve during reciprocating rotary motion.

2,153,085
TRANSMISSION INTERLOCK
Walter B. Herndon, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 15, 1938, Serial No. 219,394
7 Claims. (Cl. 74—477)

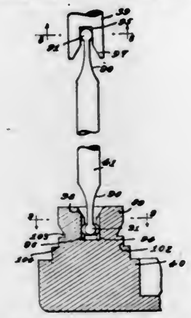
1. In a change speed transmission, spaced members adapted to be selectively moved to introduce driving ratios, each said member having a plurality of recesses with ledges therebetween and with shoulders at each end of each series of recesses, an interlock mounted for reciprocation between said members, the movement of said members being such that a line joining an intermediate recess of one of said members with any recess of the other may be made to coincide with

the axis of said interlock, the length of the interlock being substantially less than a line parallel



with said axis and extending between corresponding ledges but approximately equal to a similar line between a ledge and a shoulder.

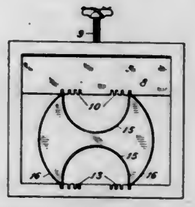
2,153,086
GAS RANGE
Stanley H. Hobson, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Original application April 18, 1934, Serial No. 721,101. Divided and this application March 4, 1935, Serial No. 9,183
2 Claims. (Cl. 126—39)



1. In a gas stove comprising a cooking top having a burner section therebeneath, a valve therein for controlling flow of gas to a burner in said section, said valve having a rotary stem, a front wall for the burner section having a panel detachably secured thereto, a valve operating handle having a shank rotatably mounted in an opening provided in said panel, the rotary valve stem and the related handle shank having similarly conformed irregular sockets provided therein opening toward one another, and a valve operating rod having the ends thereof conformed for direct sliding detachable operating connection with the stem and handle in the sockets provided therein, the interfitting sockets and rod ends being constructed to permit a predetermined range of universal movement of the one interfitting part with respect to the other.

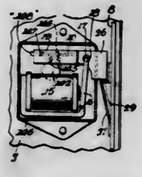
2,153,087
MOLD
Howard Samuel Knapp, Denver, Colo., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 10, 1938, Serial No. 207,075
2 Claims. (Cl. 22—113)

1. A mold for making wedges for use in multiway cable splicing, said mold comprising elements including a parallel-sided frame adapted to hold combinations of set-ups in assembled relation for forming wedges of various sizes and shapes, said frame and components being adapted to be positioned upon a flat surface to form a bottom therefor, said frame having vertical notches cut in at least one of its inner edges, said set-ups including at least one filler block



extending between parallel sides of the frame and having vertical notches cut in one of its edges, and flexible members having terminals engaging in the notches of the frame and filler block and having portions forming certain of the walls of an enclosure into which molten material may be introduced to form wedges in accordance with the set-up assembly in the frame.

2,153,088
ELECTRIC LOCKER CONTROL
John Knell, Aurora, Ill., assignor to All-Steel-Equip Company, Incorporated, a corporation of Illinois
Application March 24, 1936, Serial No. 70,621
2 Claims. (Cl. 292—150)

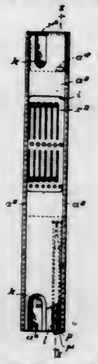


1. In a locker having cooperating door and jamb members, a latch bar slidably mounted on one of said members and adapted to cooperate with a keeper mounted on the other member, a bolt automatically movable into position for locking the latch bar in latched position and retractible to clear said bar for movement to unlatched position, a link pivotally mounted at one end on the member carrying the latch bar and having its opposite end pivoted to the bolt for positively retracting the bolt, and electromagnetic means for moving said link to retract said bolt.

2,153,089
MEANS FOR MOUNTING AN ADDING AND SUBTRACTING DEVICE ON SLIDE RULES
Carl Kübler, Berlin, Germany
Application January 6, 1937, Serial No. 119,349
In Germany January 28, 1936
3 Claims. (Cl. 235—70)

1. Means for mounting an adding and subtracting device comprising, an elongated body member having a recess formed in one face thereof, a relatively flat adding and subtracting device arranged in said recess, a flange extending along each side of the recess, and a plate-like cover engaging said flanges so as to main-

tain the adding and subtracting device in the recess, and said plate-like cover having an opening



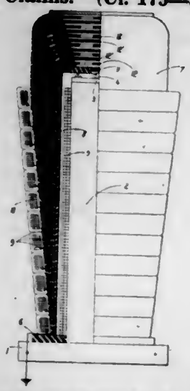
therein exposing a portion of the adding and subtracting device.

2,153,090

ELECTRIC TRANSFORMER FOR HIGH TENSION

Alfred Libbe, Gentilly, France, assignor to Société Anonyme "Transformateurs de Mesure E. Walter", Gentilly, France, a corporation of France

Application January 20, 1938, Serial No. 185,956
In Germany January 14, 1937
4 Claims. (Cl. 175—356)



1. An electric transformer for high tension, comprising an open magnetic core, high and low tension windings mounted upon said core, an insulating assembly arranged between said windings extending above the windings at the high tension end consisting of layers of paper, metallic sheets between said layers for forming condenser coatings, said layers being bent towards the interior at the upper part of the insulating assembly, and insulating discs inserted between said bent parts for holding them.

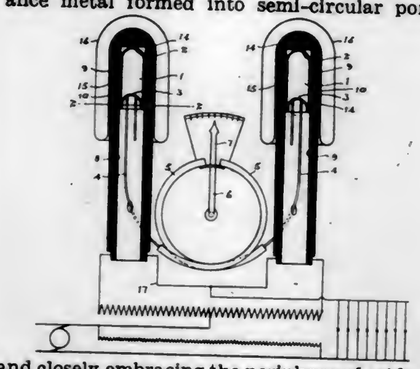
2,153,091

THERMAL DEMAND METER

Paul M. Lincoln and Robert R. Sprole, Ithaca, N. Y.; said Sprole assignor to said Lincoln

Application April 30, 1936, Serial No. 77,108
12 Claims. (Cl. 171—95)

4. In a thermal electric meter the combination with a fluid pressure actuated indicator mechanism including a sealed cylindrical reservoir, of electrical heating means comprising thin resistance metal formed into semi-circular portions



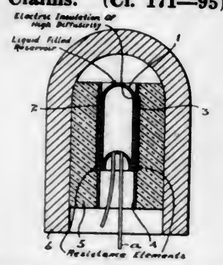
and closely embracing the periphery of said cylindrical reservoir.

2,153,092

THERMAL ELECTRIC METER

Paul M. Lincoln and Robert R. Sprole, Ithaca, N. Y.; said Sprole assignor to said Lincoln

Application April 9, 1937, Serial No. 135,886
8 Claims. (Cl. 171—95)



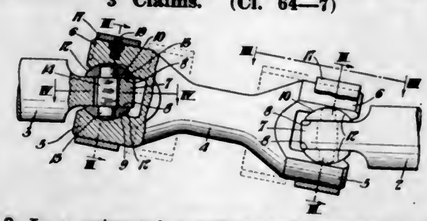
2. In a thermal electric meter, the combination with a heat-actuated registering mechanism having heat-absorbing media, of heaters heated by the passage of electric current therethrough arranged in intimate thermal association with said heat-absorbing media, and means of slow thermal diffusivity surrounding said heaters and heat-absorbing media.

2,153,093

UNIVERSAL COUPLING

Walter V. Magee, Lakewood, and Louis L. Miller, Cleveland, Ohio, assignors to The American Steel and Wire Company, a corporation of New Jersey

Application October 17, 1936, Serial No. 106,230
3 Claims. (Cl. 64—7)



3. In a universal coupling, a drive shaft and a driven shaft, a coupling element extending between said shafts, the connections between said coupling and shafts being characterized by a

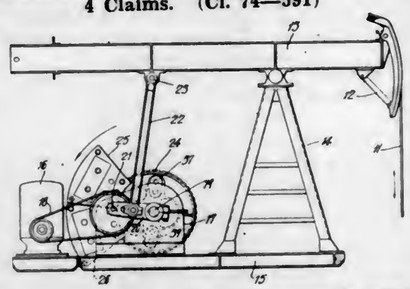
pair of cylindrical cavities extending substantially normal to the rotational axis of the assembly, a pair of tongues, a complementary cylindrical bearing disposed in each of said cylindrical cavities, a pivot member substantially normal to the rotational axis of each of said cylindrical bearings, one of said tongues being secured by one of said pivot members to one of the cylindrical bearings so as to preclude relative movement therebetween in directions axially of the assembly, the other of said tongues being secured by the other of said pivot members to the other of the cylindrical bearings so as to permit relative movement therebetween in directions axially of the assembly, a pair of collars circumjacent to each of said connections to retain them together, and flat bearing surfaces on each of said collars against which said bearing assemblies respectively bear.

2,153,094

PUMPING APPARATUS

August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey

Application December 21, 1935, Serial No. 55,628
4 Claims. (Cl. 74—591)



1. Pumping apparatus comprising a rotatable shaft, a crank arm on the front side portion of said shaft for oscillating a counterbalanced walking beam, at least three effective crank arm locations on the back side portion of said shaft, two of said crank arm locations being located approximately 90 degrees from the third crank arm location, and a counter-balancing means for counter-balancing the unbalanced loads applied at any of said back side crank arm locations, said means comprising a mounting member concentrically mounted on the back side of said shaft, a plurality of counter-balancing weights and means to adjustably secure said weights onto said mounting member for circumferential adjustment about the axis of rotation of said shaft.

2,153,095

GLARE SHIELD

Charles W. McKinley, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 17, 1936, Serial No. 64,191
3 Claims. (Cl. 296—97)



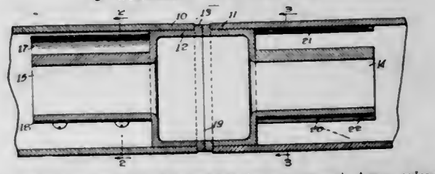
2. In a vehicle body having a windshield mounted therein, supporting means detachably secured to the body across the top of the windshield, hollow means surrounding a portion of the supporting means and adapted to have axial and rotative relative motion with respect thereto, friction means between the hollow means and the supporting means to hold the former in any set position and a glare shield carried by the hollow means.

2,153,096

COUPLER

Alfred O. Mickelson, Chicago, and Alexander J. Duael, Lombard, Ill.

Application October 16, 1937, Serial No. 169,371
9 Claims. (Cl. 285—1)



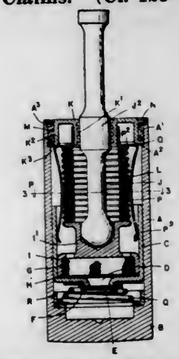
1. In a coupler adapted to connect two pipes with their axes in alignment and to transmit thrust and torque from the one pipe to the other, torque transmitting means adapted to fit within the pipes and to automatically establish a driving connection therewith, a single aligning means adapted to fit within both of the pipes between said torque transmitting means and the ends of the pipes and thrust transmitting means adapted to engage the ends of the pipes.

2,153,097

TAPPET

Alfred Moorhouse, Detroit, Mich.

Application July 19, 1937, Serial No. 154,492
4 Claims. (Cl. 123—90)



1. In a hydraulic valve lifter, the combination with a cylinder containing the hydraulic fluid, a piston therein, and a metallic bellows for sealing between said piston and cylinder while permitting relative movement thereof, of means cooperating with said bellows to check cumulative oscillations thereof.

2,153,098

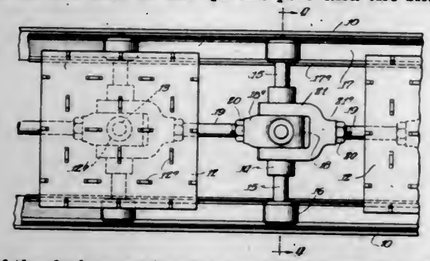
CONVEYER

Sidney H. Pellar, Chicago, Ill.

Application January 16, 1937, Serial No. 121,004
9 Claims. (Cl. 198—189)

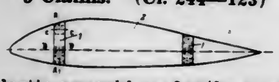
1. A conveyer comprising stationary parallel track supports, an endless chain member movable between the supports and including a series of links, alined pairs of cross-spindles between the latter, rollers carried by the outer portions of the cross-spindles and adapted to travel over the track supports, a block carried between the inner portions of each pair of spindles, and a fork linked to said inner portions and straddling

the block, the latter receiving one of said links from one side of the spindle pair and the shank



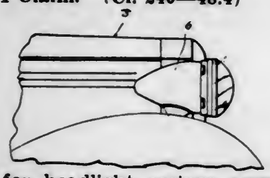
of the fork receiving the next link from the other side.

2,153,099
ELASTIC WING ASSEMBLAGE
Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application June 10, 1936, Serial No. 84,567
In France February 14, 1936
5 Claims. (Cl. 244—123)



1. An elastic assemblage for the mounting of a wing to an adjacent portion of an aircraft, including upper and lower resilient spacing members positioned near the upper and lower surfaces of the wing and between the wing and the adjacent portion of an aircraft, and resilient connecting devices between the wing and the adjacent portion of an aircraft and also positioned substantially intermediate the upper and lower spacing members.

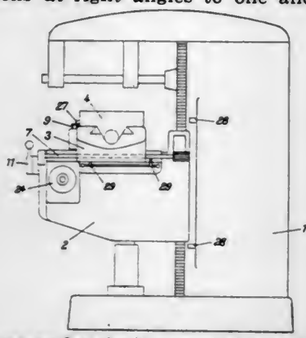
2,153,100
HEADLIGHT SHADE
Bill Romanik, Millville, N. J.
Application June 16, 1938, Serial No. 214,131
1 Claim. (Cl. 240—48.4)



A shade for headlight casings comprising a concavo-convex shaped translucent member provided with a cylindrical apron, a band of elastical material adapted to be stretched over the forward portion of a headlight casing, the apron of the said translucent member being adapted to be snugly fitted over the forward edge portion of the band, the rear edge portion of the band being formed with outstanding hand engageable protuberances, constructed of the same material as the band.

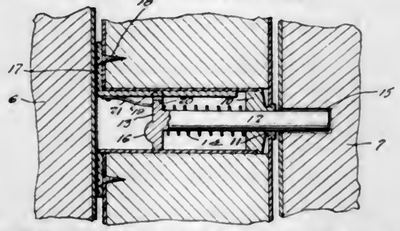
2,153,101
CONTROL DEVICE FOR MACHINE TOOLS
Rudolf Schulz, Chemnitz-Siegmar, Germany, assignor to Biernatzki & Co., Chemnitz, Germany, a joint-stock company of Germany
Application October 27, 1937, Serial No. 171,355
In Germany November 3, 1936
8 Claims. (Cl. 90—21)

4. A control device for machine tools comprising a reciprocating work table, a transversely movable slide carrying said table, a vertically movable knee carrying said slide, a direction selector for imparting drive to the table in three directions at right angles to one another, con-



trol stops and a shaft mounted longitudinally of the knee, the control stops acting on the shaft for controlling the various strokes of the work table.

2,153,102
SAFETY LATCH
Leonard C. Smith, Bakersfield, Calif.
Application September 23, 1938, Serial No. 231,419
1 Claim. (Cl. 292—180)

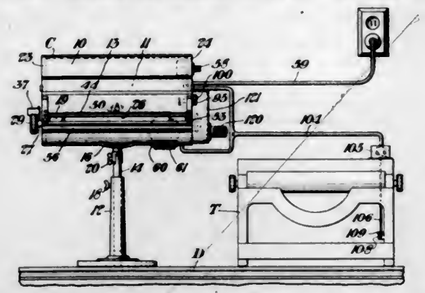


A latch comprising a latch barrel having one end fully open, a latch bolt slidable in said barrel and manually movable into a keeper from the fully open end of said barrel, a spring acting on the latch bolt to urge the latter out of the keeper, a plate secured on the latch bolt to be manually engaged for moving the latch bolt in the keeper and having a notch, a face plate at the open end of the barrel, a rib formed on the face plate and extending into the barrel and the notch of said first plate, and a leaf spring secured on said rib and adapted to be manually positioned from the open end of said barrel to enter the notch for freeing the latch bolt from the keeper and adapted to automatically engage with the first plate on the movement of the latch bolt into engagement with the keeper manually for retaining said latch bolt in the keeper.

2,153,103
COPY HOLDER
Hayes C. Stevens, Dormont, Pa.
Application June 26, 1936, Serial No. 87,546
8 Claims. (Cl. 120—32)

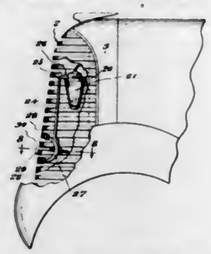
3. A copy holder comprising a casing adapted to substantially conceal a copy paper as it is being advanced therethrough, said casing having a slotted opening in the top portion thereof through which the copy paper is adapted to be inserted, a roller arranged within said casing below said opening for advancing the copy paper therethrough, means arranged within said casing for guiding said copy paper down and around

said roller and upwardly out through said opening, and means arranged in the front wall of



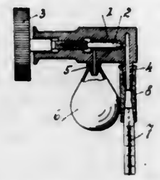
said casing for exposing a portion of said copy paper therethrough.

2,153,104
MOTOR VEHICLE LAMP AND SIGNAL SUPPORT
Carroll H. Sweitzer, New Freedom, Pa.
Application November 16, 1937, Serial No. 174,842
3 Claims. (Cl. 240—57)



1. In a device of the class described the combination of a standard, a clamp device secured to said standard, said clamp device comprising a horizontal concavo-convex body, shields over the longitudinal edges of said body, claw bolts extending through the center of said body, and lamp-attaching means supported by the upper end of said standard.

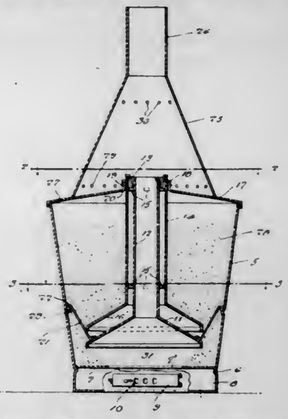
2,153,105
DEVICE FOR LABORATORICAL MEASURING OF LIQUIDS
István Szécsi, Budapest, Hungary
Application February 27, 1936, Serial No. 66,106
In Hungary March 7, 1935
8 Claims. (Cl. 23—259)



1. Apparatus for measuring very small quantities of liquids with extreme accuracy, comprising in combination, a measuring tube, a casing, a flexible connection between the casing and the upper end of the measuring tube for connecting and establishing open communication between the casing and the measuring tube, a bulb depending from and in open communication with the casing for drawing liquid into and expelling

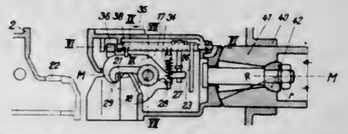
it from the measuring tube, a shield depending from said casing and interposed between the bulb and the flexible connection and a precision valve in the casing between the bulb and the measuring tube, said precision valve having manual actuating means therefor arranged in proximity to the bulb so as to enable the bulb and the precision valve to be actuated by the same hand for adjusting and precisely fixing the liquid level in the measuring tube.

2,153,106
STOVE
Joseph E. Taylor, De Land, Fla.
Application April 5, 1938, Serial No. 200,196
7 Claims. (Cl. 110—7)



1. In a stove of the character described, a casing having a false bottom of annular form provided with a central opening and an ash pit below said false bottom, a pair of vertically spaced conical baffle members arranged above said false bottom and having their peripheries circumferentially spaced inwardly from the peripheral wall of said casing, said baffles being of a diameter greater than the opening in the false bottom and centrally spaced above said opening to prevent discharge of fuel from the casing through the opening, the upper one of said baffles having a perforated tubular member extending upwardly therefrom, and the lower one of said baffles having an imperforate tubular member defining a flue extending upwardly therefrom and arranged within the first mentioned tubular member and circumferentially spaced therefrom.

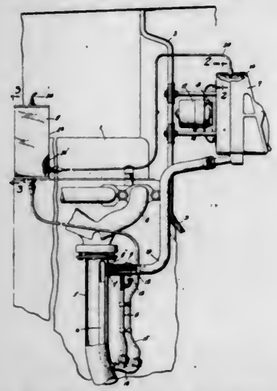
2,153,107
AUTOMATIC CENTRAL BUFFER COUPLING FOR RAILWAY CARS
Stefan Torma, Budapest, Hungary
Application November 18, 1935, Serial No. 50,437
In Germany November 19, 1934
15 Claims. (Cl. 213—89)



1. Automatic central buffer coupling for railway cars comprising, a coupler head having two diametrically arranged projections, the inner surface of each projection comprising three surfaces

arranged substantially perpendicular to one another and connected by two intersecting oblique plane surfaces while the transmission of the tractive force takes place at two points in the horizontal central plane, and the two points transmitting the tractive force being opposite each other with respect to a line in said plane which connects together the draft bar joint point of the coupling, and the point of intersection of the extension of the said three surfaces which are arranged substantially perpendicular to one another.

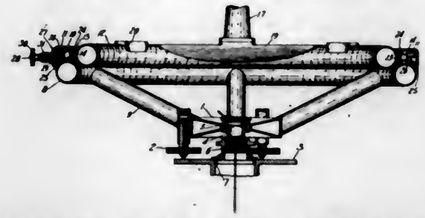
2,153,108
STEAM HEATING SYSTEM
Arthur F. Underwood, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 30, 1932, Serial No. 649,495
5 Claims. (Cl. 237—12.3)



1. A steam heating system for motor vehicles comprising in combination with the vehicle engine and its exhaust pipe, a radiator for the vehicle, a steam generator adapted to contain a vaporizable liquid and associated with said exhaust pipe so as to be heated by the exhaust gases passing therethrough, means connecting said generator to said radiator for the supply of steam to the radiator and the return of condensate to the generator, and means to automatically control the quantity of steam generated by automatically varying the amount of liquid in said generator comprising a vented expansion tank, means connecting said generator to said expansion tank into which liquid will be forced by steam pressure developed in said generator, said expansion tank being continuously vented to the atmosphere through an air cooled condenser to condense any vapors from the liquid in said tank and return the condensate to the system.

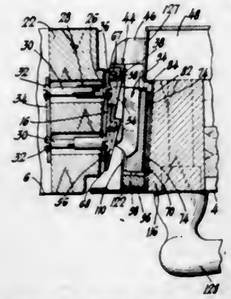
5. In a steam heating system, the combination with a boiler adapted to contain a vaporizable liquid and generate steam on application of heat thereto, a radiator, means connecting said boiler to said radiator for the supply of steam to the radiator and the return of condensate to the boiler, a vented expansion tank so connected to said boiler as to receive liquid therefrom and automatically control the amount of liquid available for steam generation therein, a relatively restricted connection from a normal point of air accumulation in said radiator to said expansion tank, and a thermostatically operated valve in said radiator to substantially close the connection of said radiator to said expansion tank when said radiator becomes filled with steam.

2,153,109
THEODOLITE
Curtis H. Veeder, Hartford, Conn.
Application April 10, 1937, Serial No. 136,171
14 Claims. (Cl. 33—72)



1. In a theodolite, a horizontal limb having a peripheral graduated circle open at the center, an alidade also open at the center, and ball bearing means for rotatably supporting said alidade on said circle providing the sole vertical and lateral support for said alidade.

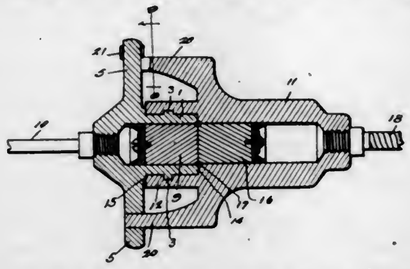
2,153,110
DOOR BUMPER AND LOCK STRIKER
Ronald J. Waterbury, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1934, Serial No. 733,389
17 Claims. (Cl. 16—85)



1. In a combined dovetail and lock striker for the doors of automotive vehicles, a backing plate secured to the door, a bumper movably mounted in said plate for movement in a horizontal direction, resilient means between the plate and the bumper to enable the bumper to have a limited movement relative to the plate, and a striker plate resiliently mounted for limited movement in all directions and secured to the body post and interfitting with the bumper in dovetail fashion when the door is closed.

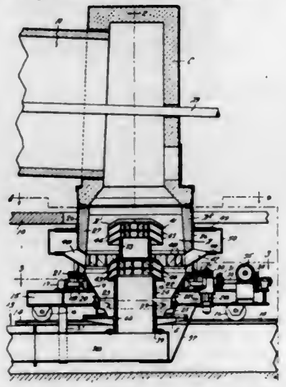
2,153,111
BRAKE SYSTEM COUPLER
James Roy Watson, San Bernardino, Calif.
Application March 2, 1938, Serial No. 193,601
5 Claims. (Cl. 188—3)

1. A brake system coupler of the class described comprising a cylinder open at one end, means for connecting the closed end of said cylinder to one of the brake systems, a piston operable in the cylinder, an integral sleeve extending longitudinally from the open end of the cylinder, said sleeve having internal spiral grooves, said sleeve being of greater diameter than the cylinder for providing a shoulder at the open end of said cylinder, a substantially cylindrical removable member threadedly mounted in the sleeve and engaged with the shoulder, a shoulder on said member engaged with the free end of the sleeve, means on said member operatively connected to the other brake system for actuating the piston for operating said one brake system, and coacting means on the member and



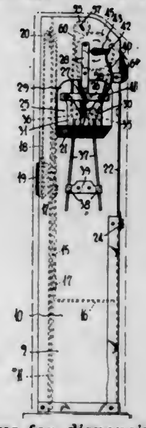
the cylinder for retaining said cylinder against rotation, the last named means including arms projecting from the member, said arms having recesses therein, fingers mounted on the cylinder at right angles to the arms and engageable in the recesses, and means on the arms for releasably securing the fingers in the recesses.

2,153,112
CLINKER COOLER
Clifton N. Windecker, Painesville, Ohio; Robert Erwin Windecker, Irene W. Alonso and Charles Edward Windecker, executors of estate of said Clifton N. Windecker, deceased
Application April 21, 1938, Serial No. 203,429
18 Claims. (Cl. 263—53)



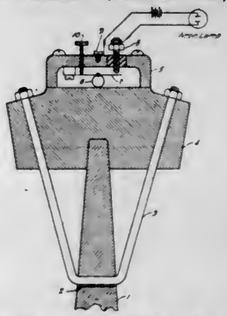
1. In a machine of the character described, in combination with an internally fired kiln, means for cooling clinkers delivered from said kiln and supplying heated air for combustion of fuel therein, said means comprising fixed and rotatable parts, one within the other, together defining an annular space for receiving clinkers from said kiln, said receptacle communicating with said kiln, means carried by and cooperating with said parts for causing clinkers to form a uniformly distributed mass or bed in said space, means for continuously removing clinkers from a lower portion of said space, means for forcing air through a bed of clinkers in said space, an air outlet from said space other than to said kiln and means adjustably controlling the flow of air from said outlet whereby a greater or lesser proportion of the air passing through said bed of clinkers may be caused to enter the kiln.

2,153,113
TOWEL DISPENSING CABINET
Courtney P. Winter, Chambersburg, Pa., assignor to United States Paper Mills, Inc., Chambersburg, Pa., a corporation of Pennsylvania
Application December 30, 1937, Serial No. 182,621
19 Claims. (Cl. 312—54)



3. An apparatus for dispensing towels from a stack of interfolded towels comprising means for withdrawing towels one after another from one end of the stack and from opposite sides of the latter, and movable means operatively connected with said withdrawing means for alternately pressing against the end of the stack near each side while a towel is being withdrawn from that end of the stack at the opposite side of the latter.

2,153,114
APPARATUS FOR SHOWING THE NATURE OF COMBUSTION IN INTERNAL COMBUSTION ENGINES
Gerrit Daniël Boerlage, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 16, 1935, Serial No. 40,752
In the Netherlands January 18, 1935
1 Claim. (Cl. 200—52)

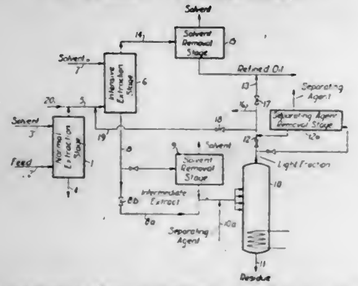


In apparatus for showing the occurrence of detonative combustion in the cylinder of an air-cooled internal combustion engine, a saddle shaped anvil fastened to a cooling fin on the outside wall of said cylinder, a hardened steel ball in contact with said anvil, a flat spring attached at about its midpoint to said ball and holding the same in contact with said anvil, an insulated electrical contact post positioned near one end of said spring whereby vibratory contact with said electrical contact post will result from detonative combustion in said cylinder.

2,153,115
PROCESS OF PREPARING ACETYLENE
Robert E. Burk, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 28, 1937, Serial No. 161,473
6 Claims. (Cl. 260—679)

5. A process of the character described, which comprises selectively taking up acetylene from an acetylene-containing gas by subjecting the latter to a dione of slight polymerizing tendency.

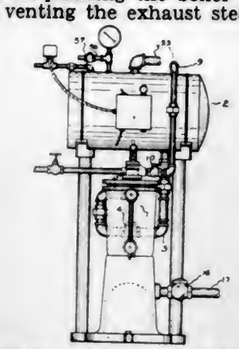
2,153,116
EXTRACTION PROCESS
Egon Eichwald, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 26, 1937, Serial No. 155,635
In Great Britain August 14, 1936
14 Claims. (Cl. 196—13)



1. A process for producing a lubricating oil having a low Conradson carbon residue, comprising the steps of extracting a mineral lubricating oil stock in an intensive extraction stage with a selective solvent for aromatic hydrocarbons to produce an extract soluble in said solvent and a raffinate insoluble therein, said extract containing at least 50% by weight of the oil introduced into said extraction stage and the kinematic viscosity at 50° C. of the raffinate being greater than the kinematic viscosity at 50° C. of the extract in the extract phase in equilibrium with said raffinate in said intensive extraction stage, separating the raffinate and extract, fractionating at least a portion of said extract into a light fraction containing oil having a low Conradson carbon residue and a heavier residue, and incorporating at least a portion of said light fraction into the raffinate to form a lubricating oil of low Conradson carbon residue.

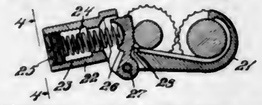
2,153,117
CONDENSATE RETURN SYSTEM
Leonard D. Goff and Rollo O. Monroe, Three Rivers, Mich., assignors to The Johnson Corporation, Three Rivers, Mich., a corporation of Michigan
Application June 22, 1936, Serial No. 86,479
1 Claim. (Cl. 137—103)

A method of returning condensate to a boiler and creating a partial vacuum in the return line of a steam system, which comprises the steps of directing the condensate from the return line into an enlarged chamber, continuously discharging said condensate from said chamber into a second chamber, except during the period of discharge of said second chamber, so as to maintain a large vapor space therein of substantially constant volume, discharging condensate from said second chamber at intervals determined by the level therein into the boiler by mechanical pumping acting against the head between the boiler and said second chamber while steam is being directed at boiler pressure into said second chamber for equalizing the boiler pressure, and thereafter venting the exhaust steam from said



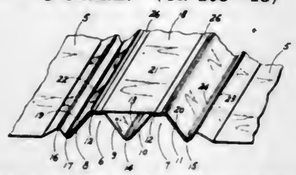
second chamber into the vapor space of said first chamber, the venting into said first chamber and the admission of steam to said second chamber being mechanically effected independently of the source of steam pressure.

2,153,118
TENSIONING DEVICE FOR DRAFTING MACHINES
Thomas Harris, Providence, R. I., assignor to Harris Textile Machinery Corporation, a corporation of Rhode Island
Application February 26, 1937, Serial No. 127,891
6 Claims. (Cl. 19—135)



1. In combination with a drafting machine, a drive roll, a driven roll, a pressure device for urging the driven roll toward the drive roll comprising a body having a hook-shaped portion to embrace the drive roll at one end, an abutment at its other end, a spring engaging said abutment, a member pivoted in said body and engageable by said spring and movable into engagement with the driven roll to urge it toward the drive roll, and means to limit the pivotal movement of said member under the action of said spring in the direction of the driven roll.

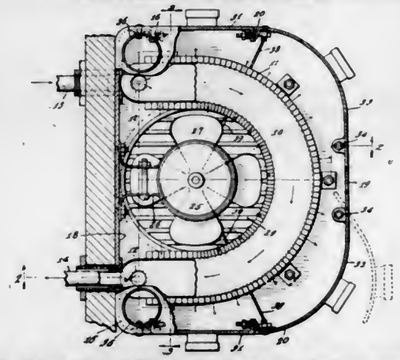
2,153,119
ROOFING STRUCTURE
Julius Kahn and Walter F. Schulz, Youngstown, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application February 2, 1937, Serial No. 123,646
3 Claims. (Cl. 108—18)



1. A lap joint for roof sheathing comprising two metal sheets overlapping at their marginal edge portions, the overlapping portions of the upper sheet having a raised central part flanked by downwardly diverging straight legs terminating

in short upwardly and outwardly curved parts, the overlapped portion of the lower sheet having a trough flanked by substantially flat parts merging into downwardly diverging straight legs terminating in upwardly and outwardly curved parts, the central part of the overlapping portion of the upper sheet lying on the substantially flat parts of the lower sheet, the downwardly diverging legs of both sheets being parallel and intimately pressing against each other, and the upwardly curved parts of the upper sheet nesting in the corresponding parts of the lower sheet, and means passing through the central overlapping part of the upper sheet and through the lower sheet to hold them in assembled relation.

2,153,120
AUTOMOBILE BODY HEATER
Edmund Ludlow and Earl C. Booth, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application May 24, 1937, Serial No. 144,453
5 Claims. (Cl. 257—137)

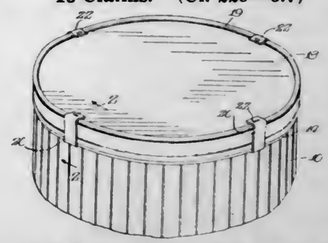


3. An automobile body heater of the circulating fluid type, comprising a casing having top and bottom walls, a rear wall adapted to be secured adjacent the dash of an automobile, and a horizontally curved wall extending between said top and bottom walls at the sides and across the front of the casing, said casing being provided with air-inlet and air-outlet openings, said air-outlet openings being distributed along said horizontally curved wall and being directed in different directions, adjustable closures for said air-discharge openings, an air-heating core within said casing, said core comprising a plurality of generally semicircular tubes disposed with their ends adjacent said rear wall, headers interconnecting corresponding ends of said tubes, inlet and discharge fittings connected respectively to said headers and extendng through said rear wall near opposite ends thereof, and means within said casing for advancing air through said core and discharging it through said air-outlet openings.

2,153,121
LUBRICATING COMPOSITION
John M. Musselman, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 2, 1936, Serial No. 99,093
4 Claims. (Cl. 87—9)

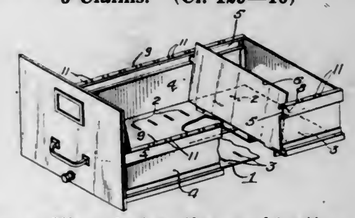
1. A lubricating composition, consisting of a mineral oil of lubricating viscosity as a continuous menstruum and a small amount of an alkaloid of the quinine group therein.

2,153,122
CONTAINER CONSTRUCTION
Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application December 1, 1937, Serial No. 177,437
13 Claims. (Cl. 229—5.7)



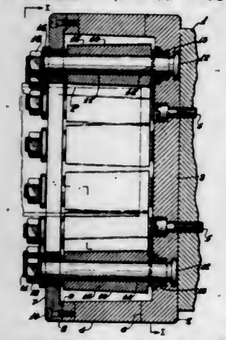
1. A container construction comprising the combination with the body member, of an anchor ring secured to the body member and extending above the upper margin thereof, a closure seating on the top of the anchor ring, and clips having swinging connection with the anchor ring such as to retain them thereon while permitting them to be moved inwardly and outwardly relative to the body member, said clips having portions for clamping engagement with the closure to hold it down on the anchor ring.

2,153,123
SWAY DIVIDER FOR VERTICAL FILING RECEPTACLES
George Ruck, Philadelphia, Pa., assignor to Columbia Steel Equipment Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 26, 1937, Serial No. 122,450
5 Claims. (Cl. 129—16)



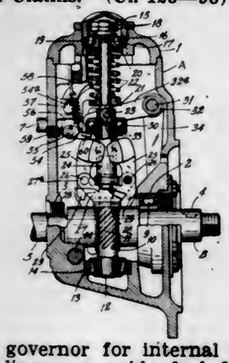
1. In a filing device, the combination with a receptacle having bottom and side walls, of a member adapted to extend transversely between said side walls and to thereby divide the interior of the receptacle into a plurality of compartments, means for anchoring said divider in the bottom wall of the receptacle, said anchoring means comprising a slot in said bottom wall and a tongue at the lower end of said divider adapted to occupy said slot whereby the divider may be adjusted at the top between a normal position perpendicular to said bottom wall and positions inclined to the perpendicular, means providing a longitudinal socket in at least one of said side walls adjacent the upper portion of the divider, and a tongue on said divider adapted for engagement in said socket and by said engagement limiting the extent of said divider adjustment, the upper edge of said last-named tongue in the said normal position of the divider closely adjoining the top wall of said socket and thereby preventing retraction of the first-named tongue from its slot, and the second-named tongue being of sufficiently lesser depth than the said socket to permit retraction of the first-named tongue from its slot by movement of the divider longitudinally of the drawer beyond the said inclined position.

2,153,124
CUTTING TOOL
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application December 7, 1935, Serial No. 53,283
3 Claims. (Cl. 29—105)



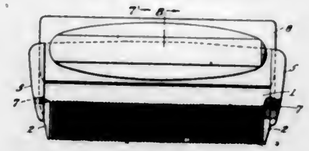
1. A cutting tool comprising a frame having two parallel radially extending walls, a plurality of annularly arranged pivots passing through one of said walls, a clutch member secured to the frame surrounding each pivot and having a plurality of uniformly spaced clutch faces, a cutter member mounted on each pivot provided with a plurality of uniformly spaced cutting edges and similarly spaced clutch faces complementary to those of the clutch member and axially movable into and out of engagement therewith, and clamping means holding said faces in engagement with each other.

2,153,125
GOVERNOR
Alden P. Thomas, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application August 16, 1937, Serial No. 159,315
14 Claims. (Cl. 123—98)



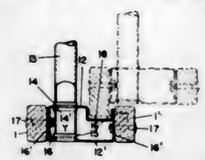
1. A speed governor for internal combustion engines including a movable fuel feed control member and a shaft driven by said engine, governor means responsive to the speed of said shaft and operatively connected to said fuel feed control member to actuate the same when the speed of said shaft varies, manually operable means associated with said governor means for actuating said movable fuel feed control member, and means releasable in the inoperative position only of said governor means for preventing movement of said fuel feed control member by said manually operable means beyond a predetermined fuel feed position.

2,153,126
HAIR COMB
Ivan Andersson, Hartford, Conn.
Application February 2, 1937, Serial No. 123,652
9 Claims. (Cl. 132—15)



1. A container construction comprising the so as to enable them to be folded up with the teeth of the one comb occupying the spaces between the teeth of the other comb, a movable plate arranged normally to rest on one side of the combs to prevent the said combs from being folded up or unfolded, means for holding, and for enabling said plate to be moved way from its normal position for the purpose of releasing the said combs for folding up or unfolding.

2,153,127
LADDER
Edmund J. Arps, Oshkosh, Wis., assignor to Duo-Safety Ladder Corporation, Oshkosh, Wis.
Application February 8, 1937, Serial No. 124,701
1 Claim. (Cl. 228—59)

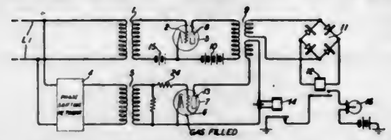


In a ladder, rails of skeleton-like form including longitudinally extending spaced strips, and an all-metal fitting disposed between the strips, said fitting comprising a pair of inner and outer spaced plates having alined openings, right-angular interengaging flanges extending from the plates for connection with the strips, tubular rungs having ends fitted through the alined openings of the plates, beads formed on the rung on opposite sides of the inner plate forming shoulders against the inner and outer surfaces of the inner plate, means securing the end of the rung to the outer plate, whereby the plates and the rung form a single unit, and means for securing the flanges of the plates to the strips.

2,153,128
SELECTIVE SIGNALING SYSTEM
Albert E. Bachelet, Mount Vernon, and William H. T. Holden, New York, N. Y.; said Bachelet assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Holden assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 15, 1936, Serial No. 100,848
5 Claims. (Cl. 179—84)

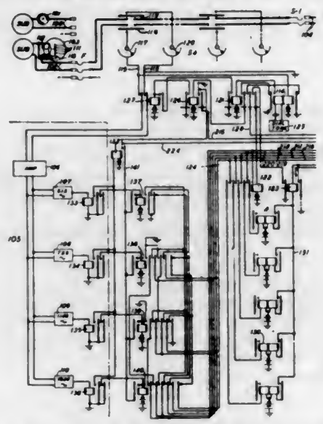
1. In an alternating current selective signal receiving arrangement, a signal device, means comprising a gas-filled discharge device for controlling said signal device, a source of alternating current comprisng a line, connections between said line and the input and output circuits of said discharge device and a phase shifting network included in the connection between the line and

the input circuit of the discharge device so constructed that its attenuation is substantially independent of all frequencies transmitted over said line and to cause the displacement of phase of



waves within a predetermined critical range of said transmitted frequencies by 180 degrees with respect to the waves within the same critical range supplied to the output circuit of the same device.

2,153,129
TELEPHONE SYSTEM
Henry M. Bascom, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1937, Serial No. 161,749
7 Claims. (Cl. 179—18)

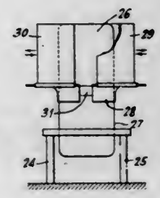


1. In a telephone system, a telephone line, a transmitter for said line for sending series of direct current impulses representing telephone designations, a second telephone line and a transmitter therefor for sending over the line alternating currents of different frequencies representative of telephone designations, a receiving mechanism arranged to cooperate with either of said lines and to receive either the direct current impulses transmitted over said first-mentioned line or the alternating currents transmitted over said second line, and means controlled by said receiving mechanism in accordance with the designations received over said lines for establishing telephone connections.

2,153,130
ROTOGRAVURE INK
Ernest Loring Baxter, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 2, 1937, Serial No. 167,015
4 Claims. (Cl. 95—9)

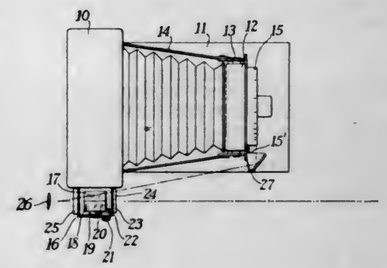
1. Photographic backing paper carrying indicia composed of a non-hardened prolamine and coloring matter, overcoated with a water-soluble colloid.

2,153,131
HIGH FREQUENCY OSCILLATOR
Joachim Böhme, Berlin-Schoneberg, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application October 22, 1938, Serial No. 236,412
In Germany November 19, 1937
5 Claims. (Cl. 250—27.5)



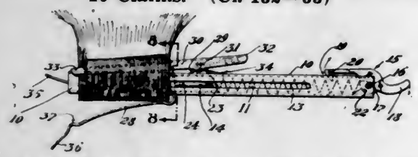
1. An electron discharge device having an envelope comprising a pair of metallic cup-shaped members and an insulating member sealing the open ends of said cup-shaped members together, a pair of oppositely disposed electrode mount assemblies including a cathode and anode enclosed within said envelope, each of said cup-shaped members being capacitively associated with a different one of said anodes and a metallic member supported by and electrically connected to one of said cup-shaped members and extending toward and opposite the other cup-shaped member in spaced relationship to form with the other cup-shaped member an oscillating load circuit for said electron discharge device.

2,153,132
FOCUSING ARRANGEMENT FOR CAMERAS
Raymond E. Crowther, London, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 20, 1937, Serial No. 126,935
In Great Britain May 22, 1936
4 Claims. (Cl. 95—44)



4. In combination a camera having a lens and a focusing mechanism, a range finder secured to the camera, and having a movable element to adjust its setting, a scale in the field of view of the range finder carried by said movable element to indicate said setting, a second scale carried by said mechanism and extending laterally from the camera lens into the field of view of said range finder, whereby both scales may be viewed simultaneously with the range finder field.

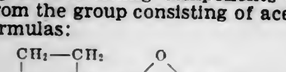
2,153,133
DEVICE FOR CURLING AND LOCKING HAIR
Angelo Cuomo, Brooklyn, N. Y.
Application August 23, 1937, Serial No. 160,376
10 Claims. (Cl. 132—33)



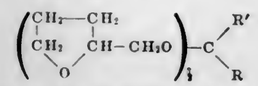
1. A device for working hair comprising a tubular member, hair fastening means pivotally mounted on said member, compressed pin pushing means, slidable axially in said member, and terminal automatic locking means on said member for retaining said pin carrying and pushing means and adapted to release said carrying means, and permit clamping of a hair curl formed by said device.

2,153,134
YARN TREATING PROCESSES AND COMPOSITIONS THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,682
22 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning, and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening components an acetal selected from the group consisting of acetals having the formulas:



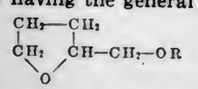
and



where R and R' is a substituent selected from the group consisting of hydrogen, alkoxy and alkyl and tetrahydrofurfuryl.

2,153,135
YARN TREATING PROCESSES AND COMPOSITIONS THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,683
22 Claims. (Cl. 28—1)

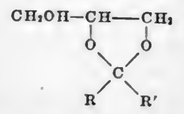
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing a tetrahydrofurfuryl ether having the general formula:



where R is an alkyl, alkoxyalkyl, hydroxyalkyl, hydroxyalkoxyalkyl, aralkyl, or aryl group.

2,153,136
YARN CONDITIONING PROCESSES AND COMPOSITIONS THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,686
18 Claims. (Cl. 28—1)

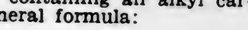
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning, and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a derivative of glycerol having the general formula:



where R and R' are substituents selected from the group consisting of hydrogen, a cyclic system of carbon atoms (cyclohexyl, cyclopentyl, etc.) alkyl, aryl, alkylene and heterocyclic groups.

2,153,137
YARN CONDITIONING PROCESSES AND COMPOSITIONS THERFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,687
18 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing an alkyl carbonate having the general formula:



where R and R' are organic radicals selected from the group consisting of alkyl, hdroxyalkyl and alkoxyalkyl groups.

2,153,138
CONDITIONING OF YARN
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,691
18 Claims. (Cl. 28—1)

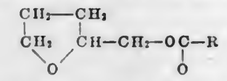
1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like, which comprises applying thereto a lubricating and softening composition containing a polyketone having the general formula:



where R and R' are alkyl groups and the ketone groups are either adjacent to one another or separated by one or more carbon atoms.

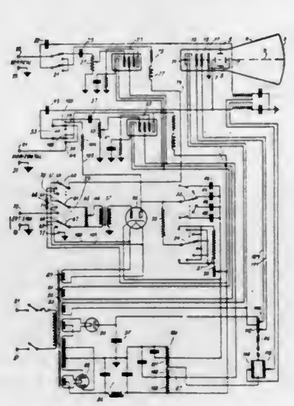
2,153,139
YARN CONDITIONING PROCESSES AND COMPOSITIONS THEREFOR
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1937, Serial No. 176,699
18 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component esters of tetrahydrofurfuryl alcohol having the general formula:



where R is an organic radical selected from the group consisting of alkyl and aryl groups, in which substituents selected from the group consisting of OH, OCH_3, OC_2H_4—OC_2H_5 and the like may replace hydrogen.

2,153,140
OSCILLOGRAPH
William F. Diehl, Haddonfield, and Harold J. Schrader, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 28, 1934, Serial No. 759,498
4 Claims. (Cl. 178—7.7)

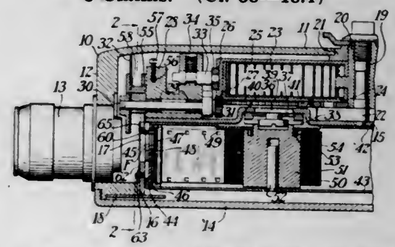


1. In oscillograph apparatus, a cathode ray tube having means therein to produce an electron beam and associated means for controlling the path of the produced beam and means to control the operation of the tube comprising an oscillation generator for controlling the path of the beam in one plane, means to control the beam motion in a transverse plane under the influence of signals received from an external source, power supply means to supply operating voltages for said tube and selective means to control the oscillation generator by signals received from an external source, or signals received from an external synchronizing signal source or from the power supply means.

2,153,141
RUBBER COMPOUNDING
Karl H. Engel, West Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 14, 1936, Serial No. 74,274
8 Claims. (Cl. 106—23)

1. A composition comprising rubber compounded with coal tar oil containing substantial portions of monomethyl and dimethyl naphthalene fractions and being substantially free of oil constituents boiling above about 300° C.

2,153,142
FILM ADVANCING MECHANISM FOR MOTION PICTURE APPARATUS
Henry N. Fairbanks, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 165,362
In Germany September 25, 1936
3 Claims. (Cl. 88—18.4)



1. In a motion picture apparatus, the combination with an objective assembly, a frame member provided with an exposure opening which is in alignment with said objective assembly, a film guiding means behind said frame member for supporting across said opening a film strip having perforations along at least one margin thereof, and a film advancing means located at one side of said frame member and including a claw member in front of said frame member and extending therethrough for engaging the marginal perforations on the near side of said film strip, adjacent the opening in said frame member, and for intermittently advancing said film strip, of a plane spring member mounted on the front of said frame member at the opposite side of said exposure opening with respect to said film advancing means, provided with an opening corresponding to said exposure opening and for engaging and urging said claw member, on the near side of said opening, toward the film strip.

2,153,143
NONDISCOLORING, LIQUID ANTISEPTIC SOAP
Louis J. Figg, Jr., and Edward E. Shaulis, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 28, 1938, Serial No. 187,557
6 Claims. (Cl. 87—5)

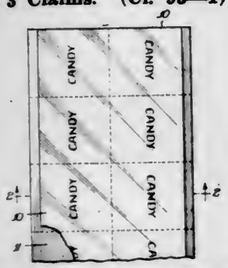
1. A liquid, antiseptic toilet soap comprising soap, water, hardwood oil whose boiling range is between 180° C. and 240° C. in a proportion which would otherwise cause substantial darkening thereof, a blending agent for the soap and the hardwood oil, and a halide selected from the group consisting of the bromides and iodides of potassium, sodium, caesium, lithium, barium,

strontium, calcium, and magnesium, in sufficient quantity to prevent the wood oil from darkening in the light and air.

2,153,144
METHOD OF FORMING LABELS

Paul M. Gilfillan, Chicago, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware

Application April 14, 1936, Serial No. 74,305
3 Claims. (Cl. 93—1)

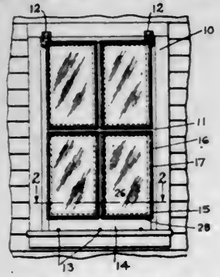


1. The method which comprises adhesively securing the printed side of a web of transparent cellulose sheeting having printed thereon a series of at least four label units to a fibrous web of paper having edges extending beyond the transparent cellulose sheeting, said securement being substantially continuous except for an unglued longitudinally extending central strip, severing the unglued central strip from the transparent cellulose sheeting, and cutting the combined web into at least four series of labels including a longitudinal cut along the unglued central strip.

2,153,145
CONVERTIBLE STORM SASH AND WINDOW SCREEN

Anthony Gimmelli, Waterbury, Conn.

Application March 29, 1938, Serial No. 198,626
6 Claims. (Cl. 20—55)



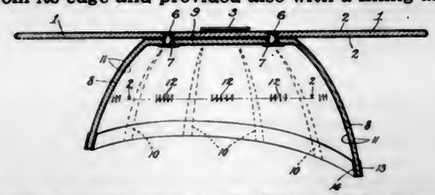
1. In a convertible storm sash and fly screen, a main frame having an opening therein with a curved forwardly directed bead surrounding the edge of the opening, a removable second frame having a curved outer edge adapted to fit said bead, and a web portion shaped to seat upon the inner edge surface of the opening in said main frame, a plurality of swingable hooks pivoted to said removable frame, and a corresponding number of pins secured to said main frame for engagement with said hooks.

2,153,146
CAP

Edward W. Holmes, Chicago, Ill., assignor to E. R. Moore Company, Chicago, Ill., a corporation of Illinois

Application March 12, 1938, Serial No. 195,464
2 Claims. (Cl. 2—175)

1. In combination in a mortar board cap, a rigid flat top, a covering therefor, a skull cap, said skull cap including a base portion shaped to approximately the shape of a head said skull cap provided with slashes, extending inwardly from its edge and provided also with a lining and

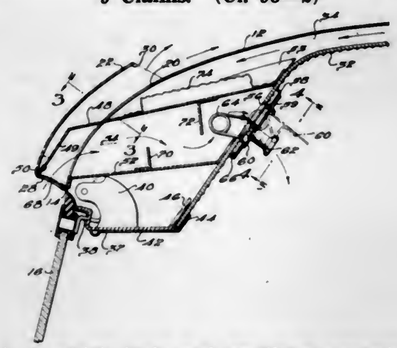


an elastic exterior cover portion, and additional elastic means tending normally to draw the edges of said slashes toward each other, the lining, the base portion and the cover being sewed together only at points spaced away from said slashes, the slashes being free from sewing.

2,153,147
VEHICLE VENTILATING AND SIGNAL UNIT

Alfred R. Lintern, Detroit, Mich., assignor to Evans Products Company, a corporation of Delaware

Application August 12, 1936, Serial No. 95,508
9 Claims. (Cl. 98—2)

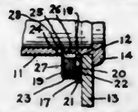


1. A vehicle body and ventilator comprising a roof structure and a forwardly facing wall adjacent thereto, an opening in the upper portion of said forwardly facing wall communicating with the interior of the body, a deflector means positioned over said opening forwardly spaced from said wall and arranged to separate the air stream passing over the body so as to direct a portion thereof into the opening and a portion thereof away from the opening, and means engaging said deflector means and extending through said opening to provide a plurality of separated ducts communicating with the interior of said body.

2,153,148
FASTENING MEANS

Frederick Lux, Waterbury, Conn., assignor to The Lux Clock Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application September 11, 1937, Serial No. 163,443
9 Claims. (Cl. 248—27)



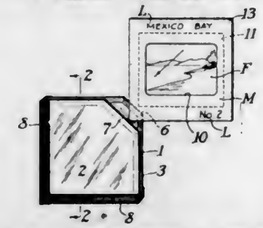
1. In a fastening means of the type described, an annular first member having an opening to

receive the body portion of an instrument casing, and a screw-threaded second member rotatably mounted in said first member having a portion of its perimeter adapted to extend inwardly beyond the inner rim of said first member and having another portion of its perimeter cut away to form a longitudinal notch to permit said second member to lie out of contact with said casing in one position and being adapted to have its threads engage and be imbedded in the material of said casing to secure said first member thereto and to move said first member longitudinally along the body portion of said casing when said second member is twisted to a second position.

2,153,149
LANTERN SLIDE

John B. MacHarg, Appleton, Wis., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 8, 1937, Serial No. 141,490
1 Claim. (Cl. 88—26)

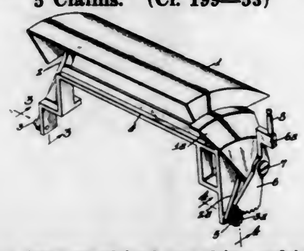


A holder for lantern slides comprising a pair of spaced substantially rectangular plates, a binding holding pairs of adjacent edges of the plates in spaced relation, pairs of adjacent edges of the plates diagonally opposite the edges bound together being left open for the diagonal positioning and removal of a lantern slide, the facing edges of the open pair of adjacent plates including a beveled surface to facilitate loading a slide therebetween, one beveled corner projecting beyond the other to facilitate entering the slide, the spacing plates being substantially equal to the thickness of a normal lantern slide, and the spacing at the beveled edges being considerably greater than the thickness of a slide, whereby the slide may be readily moved diagonally through the two open sides between the spaced plates and the slide may be positioned by the bound edges of the slide holder.

2,153,150
TYPOGRAPHICAL MACHINE

Walter H. Medford, Brooklyn, N. Y.

Application January 15, 1938, Serial No. 185,084
5 Claims. (Cl. 199—53)

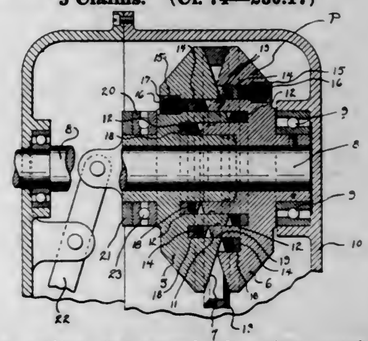


1. In a typographical machine which has a mold and which has a pot which is movable towards and away from said mold, a guard pivotally mounted on said pot, and means operative to turn said guard relative to said pot so that the guard is moved over the top of said mold when the pot is moved to casting position.

2,153,151
SPEED CHANGING MECHANISM

Frank Morella, Milwaukee, Wis., assignor of one-fourth to H. C. Bennallack, Milwaukee, Wis.

Application June 4, 1938, Serial No. 211,737
5 Claims. (Cl. 74—230.17)

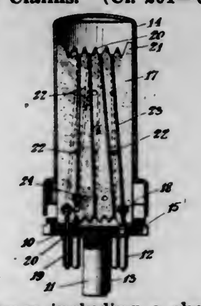


1. A pulley for speed changing mechanism comprising a pair of independent sections, one of which at least is movable toward the other, the meeting faces of each of the sections being provided with mating annular ribs and channels, whereby the sections can be telescoped one within the other.

2,153,152
RESISTANCE

George J. Mucher, Brooklyn, N. Y., assignor to Clarostat Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York

Application May 29, 1937, Serial No. 145,410
4 Claims. (Cl. 201—67)



1. A resistance including a sheet of insulated material, a resistance wire encircling said sheet, a base, means connected to said wire and to said base for mounting said sheet, and a shell also mounted by said base and having an internal diameter substantially equivalent to the width of said sheet the side edges of said sheet having slidable contact with the inner face of said shell at diametrically oposite points within the same.

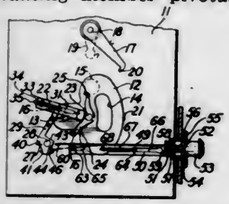
2,153,153
SHUTTER REBOUND STOP

John B. Nelson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 8, 1937, Serial No. 178,785
10 Claims. (Cl. 95—59)

1. In a camera, the combination with a front

board having a lens opening therein, a shutter pivotally mounted on said board and having an elongated exposure opening formed therein, of a shutter actuating member pivotally mounted



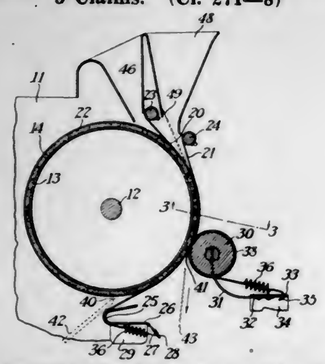
on and movable bodily with said shutter, an arm pivotally mounted on said board, means for resiliently connecting said member and said arm, a cam surface on said arm, and means for engaging said cam surface to move said shutter.

2,153,154

APPARATUS FOR PHOTOGRAPHICALLY RECORDING DOCUMENTS

Wade S. Nivison and Joseph R. Putlock, New York, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 1, 1937, Serial No. 162,004
5 Claims. (Cl. 271—8)



1. In an apparatus for photographically recording documents comprising, in combination, a housing, a rotating drum mounted in said housing for advancing different types of documents through the photographic field of a camera so as to be photographed thereby, sets of stationary guide wires extending over the periphery of said drum to hold said documents in engagement therewith during the passage through said field, said sets defining separate paths for said documents, means for securing the ends of said wires to said housing, means secured to certain of said ends for separately tensioning said sets, separate feeding entrances for said paths, and spaced exits for separately discharging documents from said paths in different directions.

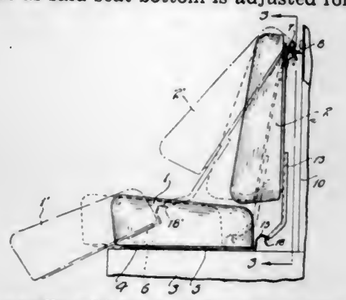
2,153,155

SEAT

John W. Page and Willard H. Jump, Adrian, Mich., assignors to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan

Application December 21, 1938, Serial No. 247,086
3 Claims. (Cl. 155—116)

1. A vehicle seat including a seat back, a seat bottom, a support for holding the seat back in upright position, a support for the seat bottom along which the seat bottom is adjustable forwardly and rearwardly throughout a predetermined normal range, said seat bottom support being the sole support for supporting the seat bottom and any load imposed thereon throughout its entire range of adjustment, a swingable and shiftable connection between the upper end of the seat back and said seat back support comprising an inverted V bracket supported entirely by the seat back and a slotted bracket supported entirely by the seat back support, the apex of the inverted V bracket remaining clear and above the slotted bracket within the normal range of adjustment of the seat bottom and back whereby the seat back is free to swing about said connection and shift upwardly and downwardly along said seat back support as said seat bottom is adjusted forwardly



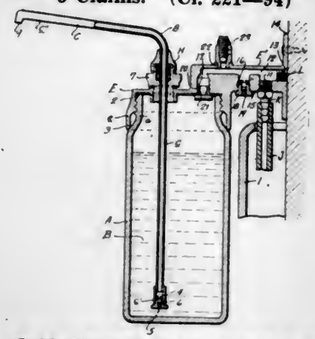
or rearwardly without transferring any load from the seat bottom to said seat back support, and a hinge connecting said seat back to said seat bottom, said hinge including a bracket secured to the lower end of said seat back and a bracket secured to said seat bottom, one of said brackets having a hooked end and a shoulder adjacent said hooked end and the other a socket for receiving the said hook, the said hook interengaging the said socket with the shoulder bearing against the socketed bracket throughout the normal range of adjustment of the said seat bottom and back whereby the seat back is supported by the seat bottom bracket, the hooked end of the one bracket being freely and automatically disconnectable from the said socket by moving the seat bottom and back forwardly beyond the normal range of adjustment.

2,153,156

FLUID DISPENSING APPARATUS

Charles F. Pollnow, St. Louis, Mo., assignor to Vestal Chemical Company, St. Louis, Mo., a corporation of Missouri

Application May 2, 1938, Serial No. 205,495
5 Claims. (Cl. 221—94)



3. In fluid dispensing apparatus a supporting

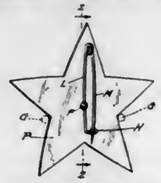
bracket integrally including a closure cap for engaging a fluid container and an outwardly extending supporting arm provided with an elongated bore terminating at its inner end in an outlet duct opening upon the undersurface of the closure cap for communication with the interior of the fluid container, and at its other end terminating in a diametrically enlarged passage provided with a pair of inlet-openings, said arm being further provided with a first intermediate duct opening at its inner end upon the bore and at its outer end upon the face of the arm for receiving a check-valve, said arm further being provided with a second duct positioned between the first duct and the outlet duct, and opening at its inner end into said bore and at its outer end upon the outer face of the arm for receiving an adjustable pressure relief valve.

2,153,157

SOLDERLESS BADGE PLATE AND PIN ASSEMBLY

Charles Priesmeyer, Park Ridge, Ill., assignor to Gustav A. J. Meyer, Chicago, Ill.

Application March 31, 1938, Serial No. 199,083
7 Claims. (Cl. 24—150)



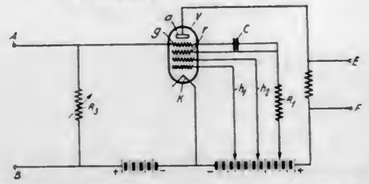
1. A badge comprising a badge plate having a perforation; a two-pronged rivet having its shank extending rearwardly through the said perforation and having its head engaging the front of the said plate; and a pin or the like including a shank straddled by the prongs of the rivet and bearing forwardly against the said plate; the said prongs having their rearward portions curved toward each other behind the said pin shank to clamp the latter rigidly to the said plate.

2,153,158

RELAXATION CIRCUIT ARRANGEMENT

Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 5, 1935, Serial No. 9,366
In Germany March 6, 1934
3 Claims. (Cl. 250—36)



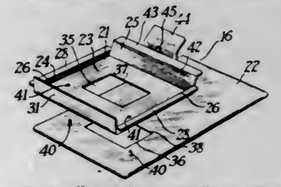
1. An electronic system comprising a single thermionic tube having a cathode, an anode, and a plurality of control electrodes, a plurality of purely resistive elements, a biasing voltage source connected to the cathode and through one of the purely resistive elements to one of the control electrodes of said tube, a second voltage source connected between the cathode and anode through another of the purely resistive elements, said second voltage source being connected between the cathode and another of the control electrodes of said tube through another of said purely resistive elements, a capacitive element connection between the first and second named control electrodes, said purely resistive elements, capacitative element, and second voltage source being mutually proportioned so that a single stable operating state of the system is produced, in which state the system operates in absence of control impulses, and means for supplying control impulses across the resistive element connected between the cathode and the first named control electrode for periodically changing the operation of the system from the stable operating state to an instable operating state.

2,153,159

FILM GATE FOR ENLARGING PRINTERS

Alvin E. Schubert, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 29, 1937, Serial No. 123,010
10 Claims. (Cl. 88—24)



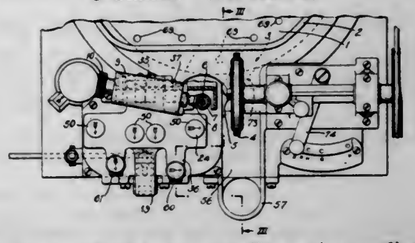
1. In a photographic printing machine, the combination with a support, of a film gate comprising a pair of detachable gate members removably mounted as a unit on said support for positioning and clamping a film substantially in a plane to permit printing therefrom, said members being formed with registering apertures, means including positioned pins on one of said members for maintaining said apertures in registry one of said members being movable substantially parallel to the other member, to permit said film to be inserted between said gate members, means associated with one of said members for guiding and directing said film between said members, and means for moving said movable member.

2,153,160

PREDETERMINING MECHANISM FOR COIN COUNTING MACHINES

Bruno E. Seemel, Brooklyn, N. Y., assignor to Automatic Coinwrapping Machine Corporation, New York, N. Y., a corporation of New York

Application March 29, 1935, Serial No. 13,590
9 Claims. (Cl. 133—8)



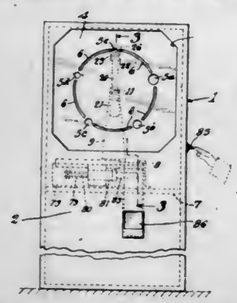
5. In a machine for counting coins cyclically in lots of a predetermined number of coins per lot, the combination with coin counting mechanism driven by the coins, means to direct the coins over the counting mechanism to count the

same, means to stop the flow of coins when the last coin of each lot is counted, and means to start the counting of successive lots, of means to lock the machine against the starting of a second counting cycle until the full count of a predetermined number of coins in the first cycle has been made, said means including a member driven with said counting mechanism and controlling the release of the lock.

2,153,161
RUBBING WAX COMPOSITION
Abraham Shapiro, Chicago, Ill.
No Drawing. Application July 11, 1936, Serial No. 90,186
3 Claims. (Cl. 134—15)

2. A rubbing wax composition consisting of an aqueous emulsion of a dispersion of carnauba wax in a hydrocarbon distillate having a boiling range of 360° F.–500° F. and a flash point of about 140° F. and a water-soluble emulsifier.

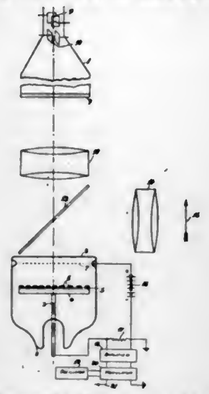
2,153,162
TARGET DEVICE
Frank Smardo, Chicago, Ill., assignor to Phoebus Corporation, Chicago, Ill., a corporation of Illinois
Application October 18, 1937, Serial No. 169,596
16 Claims. (Cl. 273—101.1)



1. In a target device, a generally opaque fixed target member, a rotor, a photosensitive member mounted on said rotor, and means for rotating said rotor, said fixed target member having a plurality of areas positioned along the path of movement of said photosensitive member, through which the photosensitive member is visible to a marksman positioned forwardly of said fixed target member, said areas being arranged concentrically of the path of rotation of said rotor.

2,153,163
TELEVISION TRANSMITTING AND THE LIKE SYSTEM
William Francis Tedham, Abbey Wood, London, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 23, 1934, Serial No. 754,385
In Great Britain December 6, 1933
6 Claims. (Cl. 178—7.2)

1. A television transmitting apparatus comprising a sealed envelope containing a signal electrode, a screen consisting of a plurality of photo-electrically active elements, an anode, and a partial insulation between said elements themselves and them and said signal electrode; means for maintaining said anode at a positive potential with respect to said signal electrode; optical means for projecting an image of the object to be transmitted upon said elements causing them to emit photo-electrons; means for scanning said elements with a beam of radiant energy such as light causing another emission of photo-electrons, said emissions resulting in leakage currents from



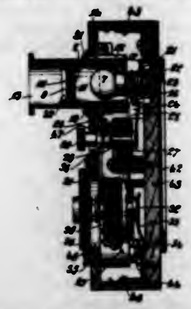
any of said elements through said partial insulation to said signal electrode, said leakage currents resulting from scanning being at least as great as any of said other leakage currents; an output circuit associated with said signal electrode; and means for transmitting signals generated in said output circuit.

2,153,164
BUILDING
Charles W. Tingley, Milwaukee, Wis., assignor to Josephine A. Tingley and Daniel M. Tingley
Application February 20, 1937, Serial No. 126,854
7 Claims. (Cl. 20—49)

1. In a window construction, slide plates having laterally extending feet on their lower ends, a sash freely removable from off of the supporting feet and between the slide plates, counterbalancing means for the sash connected with the slide plates, and means for detachably locking the sash in an adjusted vertical raised position.

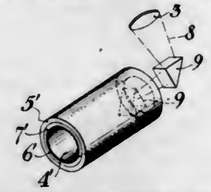
2,153,165
PHOTOMETER
Eugene T. Turney, Holmes, N. Y.
Application May 10, 1938, Serial No. 206,987
2 Claims. (Cl. 88—23)

1. A complete, unitary, portable photometer, comprising a small hand case provided with a light screen, a light source in said case back of said light screen and including an electric lamp and a battery in circuit relation therewith, resistance means in said case and connected in said battery circuit for balancing the intensity of said light source as appearing at said light screen with the intensity of a standard light source to



thereby "standardize" the instrument and separate independently adjustable resistance means in said case and connected in said battery circuit for regulating the intensity of said light source to match surrounding light conditions as observable on said light screen.

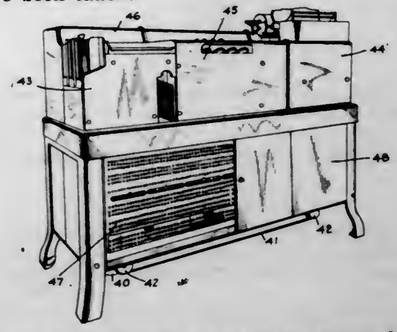
2,153,166
PHOTOGRAPHIC MATERIAL
Clarence L. A. Wynd, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 24, 1937, Serial No. 132,795
4 Claims. (Cl. 95—8)



1. A photographic material comprising a cylindrical base, a flexible transparent intermediate layer adhering to one surface thereof closely, firmly, unbrokenly and in a manner to be strippable as a unit therefrom when slit lengthwise of the cylinder and a second layer coated firmly on the surface of the intermediate layer which surface is the one not in contact with the cylindrical base, said second layer carrying a photosensitive material.

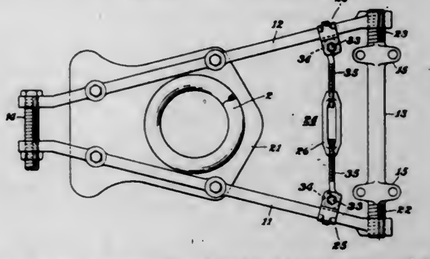
2,153,167
TABULATING MACHINE
James W. Bryce, Bloomfield, N. J., and George F. Daly, Johnson City, N. Y., assignors, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 21, 1930, Serial No. 430,257
5 Claims. (Cl. 235—61.7)

1. A record controlled accounting machine having an automatic group control system divisible into ranked sections, an accumulator associated with each section, total taking means controlled by the system for normally taking totals successively from all accumulators associated with sections of lower rank and the accumulator associated with the section in which a group change occurs and means for limiting the number of operations of the total taking means to that actually required by the operation of the control system, reset mechanism and means controlled by the total taking mechanism for calling the same into operation to reset simultaneously all accumulators from which totals have been taken.



2. In an accounting machine, an accumulating circuit and a printing circuit insulated from each other, an electrical entry control device, a socket in said accumulating circuit and a socket in said printing circuit to permit of independent plugging of said circuits to said entry control device and a split socket having a portion connected to each of said first named sockets to permit plugging of both circuits to the entry control device by a single plugging operation.

2,153,168
TAKE-UP DEVICE FOR AUTOMOBILE WHEEL SUPPORTING STRUCTURES
Louis Broadman, East Cleveland, Ohio
Application May 20, 1937, Serial No. 143,674
2 Claims. (Cl. 267—20)

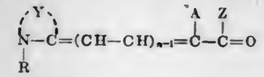


1. In an automobile front wheel system of the individually suspended type, the combination of a supporting frame comprising a pivot pin threaded at its ends and a pair of control arms with tapped inner ends threaded on the ends of said pivot pin so as to pivot thereon, and a take-up device comprising a clamp on each of said control arms adjacent to the inner end thereof, and means connecting said clamps for pulling said inner ends of said control arms toward each other to maintain a tight fit between the threads on said pin and control arms.

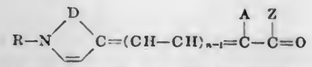
2,153,169
PHOTOGRAPHIC EMULSION
Leslie G. S. Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 13, 1936, Serial No. 95,930
In Great Britain November 15, 1935
14 Claims. (Cl. 95—7)

1. A photographic silver halide emulsion con-

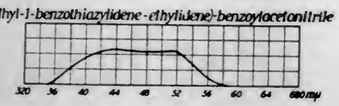
taining a sensitizing dye selected from the group of dyes characterized by one of the following two formulas:



and



wherein D represents a radical selected from the group consisting of vinylene and phenylene



groups, *n* represents a positive integer not smaller than two and not greater than three, R represents an alkyl group, Y represents the non-metallic atoms necessary to complete a heterocyclic nucleus selected from the group consisting of five-membered and six-membered heterocyclic nuclei, A represents a cyano group when Z represents a member selected from the group consisting of aryl groups and arylamino groups, A represents an acyl group when Z represents a member selected from the group consisting of alkyl and aryl groups and A represents a quinolyl group when Z represents a carbalkoxy group.

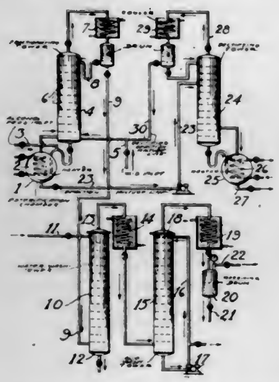
2,153,170

PROCESS FOR PRODUCING ALKYL HALIDES

Hyym E. Buc, Roselle, and Anthony H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application August 22, 1936, Serial No. 97,328

12 Claims. (Cl. 260—657)



1. An improved process for producing volatile alkyl halides that comprises refluxing a mixture of a volatile alcohol and an aqueous hydrogen halide in the reaction zone, maintaining pressure and temperature conditions on the reaction zone sufficient to cause the vapors withdrawn from the reaction zone to be essentially alkyl halide and to reflux the unreacted alcohol and the aqueous hydrogen halide, removing the aqueous mixture of alcohol and hydrogen halide, rectifying the mixture so as produce a distillate containing less water and returning the distillate to the reaction zone.

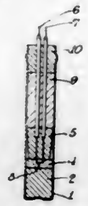
2,153,171

ELECTRIC BLASTING CAP

Lawton A. Burrows, Wenonah, N. J., and Stanley L. Handforth, Gordon Heights, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 19, 1936, Serial No. 111,580

3 Claims. (Cl. 102—10)



1. The method for the reduction of the inherent time lag in seismographic blasting between the breaking of the firing circuit and the detonation of the explosive charge, by the elimination of that portion of said time lag due to premature rupture of the bridge wire of the electric blasting cap; which comprises controlling the electric current to said electric blasting cap so that the bridge wire of said electric blasting cap will be heated to a sufficient temperature to detonate said cap but insufficient to cause fusion of said bridge wire, whereby said electric circuit will be disrupted substantially concurrently with the detonation of said blasting cap and thus more nearly coincident with the detonation of said explosive charge.

2,153,172

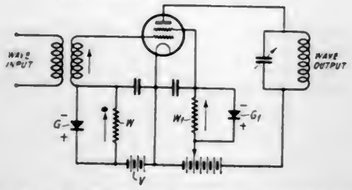
TRANSMITTER TUBE CIRCUIT

Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 27, 1936, Serial No. 82,042

In Germany June 18, 1935

4 Claims. (Cl. 179—171)



1. In a signalling system, a tube relay having a cathode, an anode, and a grid electrode, alternating current circuit means for impressing wave energy on said cathode and said grid electrode, a source of direct current and a substantially unilateral device connected in series between said grid electrode and said cathode, alternating current circuit means for deriving wave energy from said cathode and said anode, said substantially unilateral device being of high impedance to current flow in one direction and of low impedance to current flow in the other direction and being poled to permit said source of potential to apply the desired operating potential to said grid electrode and normal current to flow between said grid electrode and cathode and to present a short circuit to a flow of current in the wrong direction between said grid electrode and cathode caused by secondary emission from said grid to thereby prevent the application of abnormal potentials to said grid electrode.

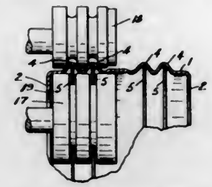
2,153,173

METHOD OF MAKING BRAKE DRUMS

Donald J. Campbell, Spring Lake, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan

Original application October 12, 1936, Serial No. 105,293. Divided and this application July 27, 1937, Serial No. 155,889. Renewed November 7, 1938

3 Claims. (Cl. 29—152.2)



1. The method of making brake drums which comprises providing a cylindrical steel shell having between its ends a plurality of outwardly extending annular corrugations, locating in said corrugations heat transfer members, bending the side walls of said corrugations against the sides of said heat transfer members, revolving the said steel shell and heat transfer inserts and while the shell is revolving, casting into the said shell and onto the said heat transfer members a metal lining, cooling the said shell, lining and inserts, severing the shell and lining circumferentially into a plurality of brake drum portions.

2,153,174

ELECTRIC CABLE

John Collard, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application February 19, 1937, Serial No. 126,612

In Great Britain February 22, 1936

6 Claims. (Cl. 178—45)



1. An electric transmission system embodying a co-axial cable, comprising an inner insulating sheath and a centre conductor, an auxiliary conductor helically wound over said sheath in such a manner as to form a balanced circuit for reducing low frequency interference, a conducting sheath of lead surrounding the auxiliary conductor, inner sheath and centre conductor for reducing or eliminating interference at high frequencies, and tape of soft iron applied externally to the sheath of lead for reducing interference at frequencies intermediate the said low and high frequencies.

2,153,175

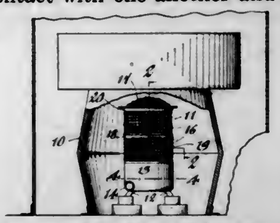
COMBUSTION CHAMBER FOR OIL BURNERS

Robert E. Duffy and Clarence W. Uschold, Buffalo, N. Y.

Application November 1, 1935, Serial No. 47,853

2 Claims. (Cl. 158—1)

1. A combustion chamber for oil burners, comprising a cylindrical body composed of a base-section having a fuel-inlet adjacent its bottom and a superposed refractory section in which the fuel is burned, said refractory section having a cross-section simulating rows of solid interconnected, substantially ball-like elements in tangential contact with one another and being provided with openings formed between the non-contacting portions of such elements.



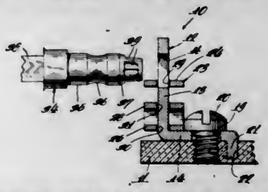
2,153,176

ELECTRICAL CONNECTION MEANS

Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana

Application August 23, 1935, Serial No. 37,491

11 Claims. (Cl. 173—328)



2. Receptacle means, comprising: a wall, having an aperture for receiving a conductor terminal, and having also spaced abutments formed within the confines of said wall; and biasing means, comprising a plurality of overlying connected portions, said portions being slotted to straddle said wall, and being movable relative to each other in a plane including said wall; one of said portions having limited movement between said spaced abutments formed on said wall, and having a part constructed and arranged to yieldably engage a conductor terminal disposed in said aperture.

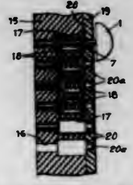
2,153,177

BRUSH FRAME CONSTRUCTION

William E. Ecker, Forest Hills, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 22, 1936, Serial No. 75,679

4 Claims. (Cl. 175—298)



1. A device of the character described comprising, in combination, an insulated member having individual recesses disposed therein, individual conducting segments inserted in said recesses, means inserted in said conducting segments comprising individual springs each having convolutions of varying diameters, the convolutions of the largest diameters arranged to engage the conducting segments, a second insulating member having a plurality of individual conducting pin openings smaller in diameter than the end diameter of the springs, said member secured

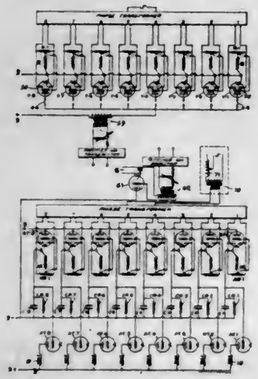
to the first-mentioned member so as to confine the springs within the recesses of said first member, conducting pins insertible through the pin openings to engage the spring convolutions of less diameters, and means whereby, upon removal of the second member, the springs and conducting segments may be freely removed and replaced.

2,153,178

METHOD OF AND MEANS FOR SIGNALING

Clyde J. Fitch, Jersey City, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 7, 1934, Serial No. 756,443
13 Claims. (Cl. 178—67)



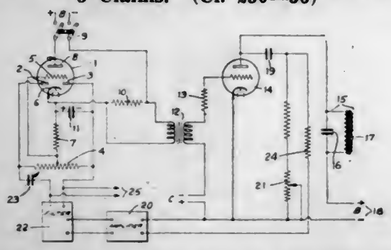
1. The method of signaling which comprises selecting a predetermined number of current impulses in combination and differing in phase from each other for particular controlling purposes, applying the selected impulses to a transmission circuit in a particular timed relationship, and separating the out of phase impulses at the receiver to operate a controlled unit in accordance with the signal.

2,153,179

OSCILLATOR CIRCUIT

Clyde J. Fitch, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 10, 1936, Serial No. 100,070
5 Claims. (Cl. 250—36)



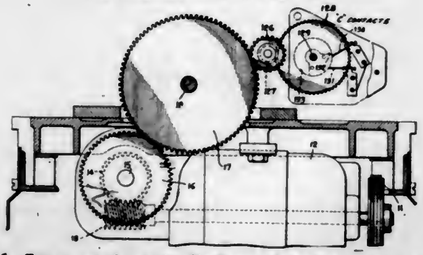
1. The method of producing electrical variations in an electric circuit which consists in supplying energy to said circuit, producing from said supply of energy current variations of a predetermined frequency in a portion of said circuit and transforming said current variations to unidirectional pulses as the current variations pass through zero and utilizing said pulses to sustain further production of said current variations.

2,153,180

CARD FEEDING MECHANISM

Frederick L. Fuller, West Orange, N. J., and George F. Daly, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application November 5, 1936, Serial No. 109,227. Divided and this application November 11, 1937, Serial No. 174,028
10 Claims. (Cl. 271—10)



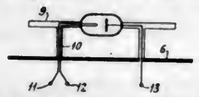
1. In a card controlled machine, a card feeding mechanism, a cyclically operable shaft, and a drive intermediate said card feeding mechanism and said shaft, said drive comprising a Geneva drive and including driving means to drive said card feeding mechanism to feed the card at a uniform speed synchronously with the rotation of said shaft.

2,153,181

ULTRA SHORT WAVE CIRCUIT

Ernst Gerhard and Waldemar Ilberg, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application January 12, 1938, Serial No. 184,543
In Germany January 13, 1937
8 Claims. (Cl. 250—20)



8. An ultra short wave receiving system comprising, in combination, a diode, connections from the filament and anode of said diode extending through opposite sides of said diode, a half wavelength dipole antenna coupled at one end thereof to each of said connections, and a lead extending from a voltage nodal point on each dipole to a source of potential, a reflecting surface, said leads passing through said surface at spaced points and being insulated therefrom, and a hollow pipe surrounding and shielding said leads between said surface and said dipoles for supporting said dipoles, said pipes being T-shaped in form and one of them being divided throughout its length into two metallic parts which are insulated from each other.

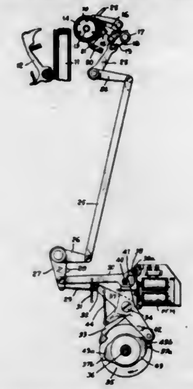
2,153,182

RECORD CONTROLLED MACHINE

Alvin E. Gray, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 11, 1935, Serial No. 20,919
6 Claims. (Cl. 197—114)

1. In a machine controlled by accounting and statistical records, a rotatable platen adapted to support a record sheet on which items are recorded by the machine under control of said records, means to automatically rotate the platen to line space each item from the others, and means



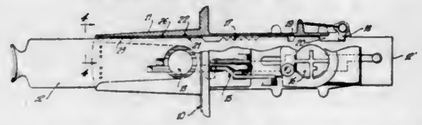
controlled by designations in predetermined records for suppressing line spacing with respect to certain items.

2,153,183

COIN SLIDE

Bernhard C. Grunig, Chicago, Ill.

Application December 16, 1937, Serial No. 180,187
9 Claims. (Cl. 194—97)



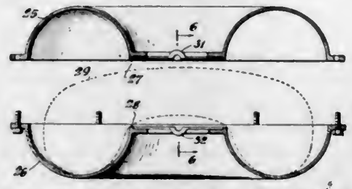
1. The combination, with a coin control of the reciprocable slide variety including a slide reciprocably movable in a guide and having detent means positioned adjacent a particular edge portion of the slide for controlling legitimate operation of the latter, of fraud-preventive means including a finger mounted for movement with the slide and having a portion projecting into the space between said particular edge of the slide and the opposite portion of the guide near which said detent means is mounted.

2,153,184

MANUFACTURE OF HOLLOW ARTICLES OF RUBBER

John A. Hagen, Passaic, N. J., assignor to Kaysam Corporation of America, Dover, Del., a corporation of Delaware

Application April 19, 1938, Serial No. 202,833
12 Claims. (Cl. 18—47.5)



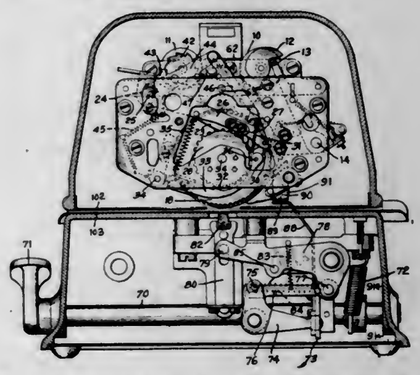
1. Process of making hollow articles of rubber, which comprises forming an inflated hollow article by gelling latex in a layer on the inner surface of a closed hollow mold containing a gaseous medium; removing the inflated article from the mold; compressing opposite walls of the article into cohering contact with each other within the periphery of the article; and curing the article while the same is sufficiently inflated to produce a cured article of the desired size and shape.

2,153,185

ELAPSED TIME PRINTER

Laurence S. Harrison, Hartsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 18, 1936, Serial No. 101,371
9 Claims. (Cl. 234—43)



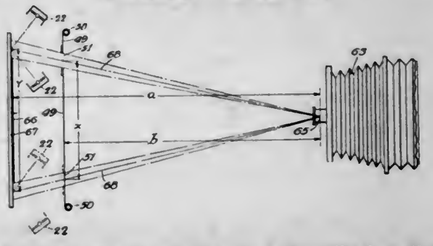
6. An elapsed time recorder comprising time-controlled type elements advanced from a starting position in accordance with elapsed time, impression-taking means coacting with the type elements to print elapsed time, manual means for causing operation of the impression-taking means, and automatic restoring means controlled by the manual means for automatically restoring the type elements to the starting position after the printing operation.

2,153,186

SCANNING MACHINE

Charles L. Henderson, Appleton, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application May 25, 1936, Serial No. 81,598
11 Claims. (Cl. 88—24)

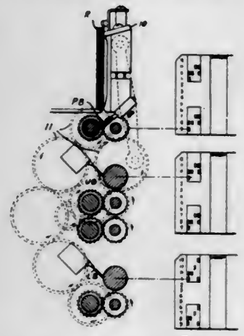


8. In apparatus of the class described, a light source for illuminating the object to be photographed, means supporting said light source for movement across said object in a plane substantially parallel thereto, a screen having a scanning aperture formed therein, means supporting said screen for movement across said object in a plane substantially parallel to, but spaced some distance from, the plane of movement of said light source, and means for moving said light source and said aperture across said object at differing, predetermined rates of movement.

2,153,187
AUTOMATIC CONTROL FOR TABULATING MACHINES

Robert B. Herbert, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 29, 1935, Serial No. 13,691
3 Claims. (Cl. 235—61.7)

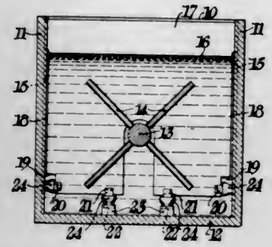


1. In a machine of the class described, three sensing stations, means for feeding cards past said stations in succession, means controlled by the first two stations for determining whether the cards fed are of a single-card or multiple-card group, adding and listing control mechanism and means controlled by said determining means for causing the third station to control either the adding or listing control mechanism accordingly as the cards sensed are of a multiple-card or single-card group.

2,153,188
CATHODE SUPPORT FOR ELECTROLYTIC UNITS

Kenneth C. D. Hickman, Rochester, N. Y., assignor by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application December 17, 1935, Serial No. 54,874
4 Claims. (Cl. 204—5)

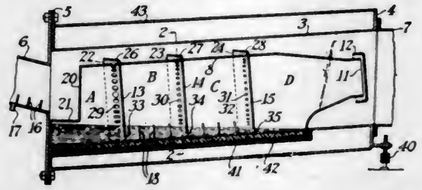


1. An electrolytic unit for depositing a metal from an electrolyte, comprising a cell adapted to contain the electrolyte to a predetermined level and having side walls which are provided with grooves, a cathode adapted to be immersed in said electrolyte and having side edges which are cut away below the level of the electrolyte and which submerged side edges are provided with a recess, a connection attached to said cathode within the recess thereof and for engaging the side walls of the cell to position the cathode therein, and a skirt member encircling said connection within said recess and for minimizing the deposition of the metal on said connection.

2,153,189
HIGH VACUUM PUMP

Kenneth C. D. Hickman, Rochester, N. Y., assignor, by mesne assignments, to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application May 18, 1937, Serial No. 143,305
11 Claims. (Cl. 230—101)

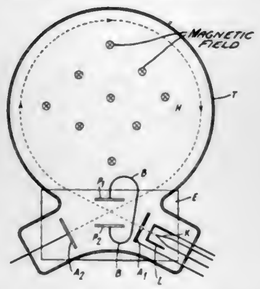


1. A condensation pump adapted to employ an organic pumping fluid comprising in combination, a main pump casing the longitudinal axis of which is approximately horizontal, adapted to be connected at the high vacuum end to the receptacle to be evacuated and at the other or low vacuum end to a backing pump, a plurality of jets located in series in the main casing and having substantially the same geometrical form as, and approximately co-axial with the main casing, a boiler adapted to convert the pump fluid into separate vapor streams of compounds of progressively decreasing vapor pressure, means for conveying the lowest vapor pressure stream to the jet operating under the highest vacuum, means for conveying the progressively increasing vapor pressure streams to each succeeding jet operating at successively higher pressures and means for condensing the pumping vapors and returning the condensate to the boiler.

2,153,190
OSCILLATOR

Hans E. Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 14, 1937, Serial No. 136,744
In Germany April 8, 1936
14 Claims. (Cl. 250—36)

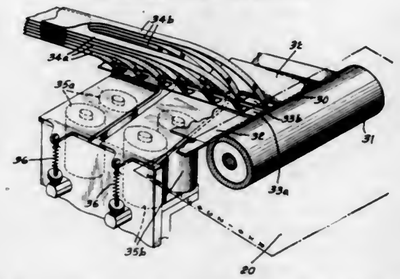


13. An electronic oscillator comprising means for producing a beam of electrons, means for directing the produced beam along a predetermined path, means for producing displacement currents from the directed beam of electrons, means for producing oscillatory energy from the produced displacement currents, means for subsequently directing the beam of electrons to cross the predetermined path whereby the oscillatory energy is augmented at the point of cross-over by the subsequently directed beam of electrons.

2,153,191
SORTING MACHINE

Anton Juriga, Kothen, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 22, 1937, Serial No. 121,809
In Germany June 26, 1936
3 Claims. (Cl. 209—110)

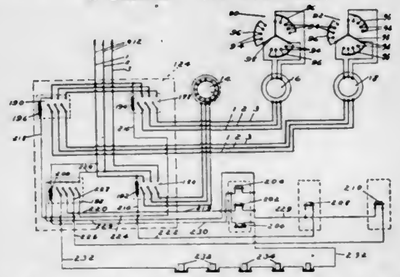


1. In combination, an analyzing device comprising means for causing electric current to flow through holes in a card, a pair of magnets operable by said analyzing device, a pair of groups of superimposed blades forming distributing passages for the cards, the receiving end of the first blade of one group being longer than the end of the first blade of the second group, the end of the first blade of said second group being longer than the end of the second blade of the first group and so on, and all the blade ends of each group resting on a separate plate so positioned that said card while emerging from the analyzing devices passes between the blade ends and said plates, means for bringing about a lowering of either plate and all of the blades on such plate except those superimposed upon the card being analyzed upon the analyzation of a card to thereby open a passageway for the card between a blade in one group and a blade in the other group, the particular passage opened depending upon the position of the card at the instant of lowering the blades.

2,153,192
CONTROL CIRCUIT

Richard E. Koontz, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application September 25, 1937, Serial No. 165,621
2 Claims. (Cl. 172—239)

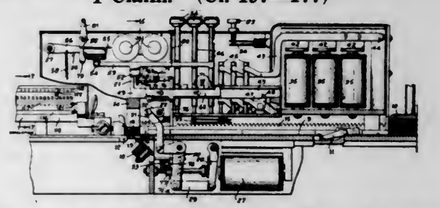


1. A control circuit for a plurality of variable speed alternating current motors comprising independently adjustable rheostats connected to and controlling the speed of said motors respectively, power lines, switches for connecting said motors with their rheostats individually to the power lines, a solenoid for operating each switch, a manually-operable device corresponding to each motor for closing a circuit between two of the power lines through the solenoid of the switch for that motor for individually energizing said motors, a manually-operable multiple switch for closing circuits between two of the power lines through all of said solenoids to start all of said motors, a holding circuit closed by actuation of said multiple switch for holding said multiple switch in closed position, and means for breaking the holding circuit and thereby opening the multiple switch and breaking all of the solenoid circuits.

2,153,193
RECORD CARD FEEDING MECHANISM

William Lang, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application July 19, 1933, Serial No. 681,071. Divided and this application December 12, 1935, Serial No. 54,025
1 Claim. (Cl. 197—177)

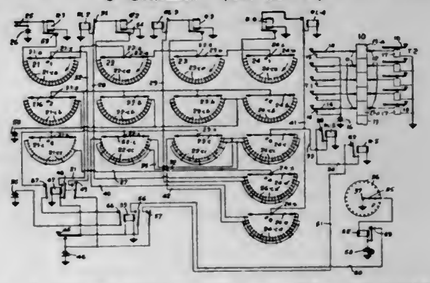


In a machine of the class described, the combination of a carriage for perforated cards, a contact device carried by said carriage, a plurality of stationary contact segments arranged to be successively engaged by said contact device as the carriage is advanced step by step, an escapement device for advancing said carriage, a skip bar carried by the carriage, a controlling magnet for causing said skip bar to disconnect the escapement device from control of the carriage and settable means including plug connections for causing a circuit to be completed by said contact device and one or more of said segments to energize said magnet to automatically effect the disconnection of said escapement device.

2,153,194
SYSTEM OF CODING AND DECODING

Walter S. Lemmon, New York, Clyde J. Fitch, Endicott, and Richard F. Walz, New York, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

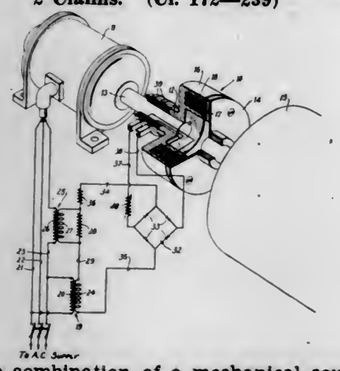
Application September 5, 1935, Serial No. 39,294
9 Claims. (Cl. 35—4)



1. A coding and decoding machine comprising a manually operable primary machine, a secondary machine operable from the first, coding

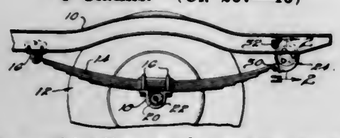
means comprising a single movable circuit changing device connecting the machines to control operation of the secondary machine from the primary machine including a series of electrical circuits, each adapted to be selectively closed by operation of the primary machine, means to position the coding means to transpose the said series of circuits interconnecting the machines, and a plurality of interconnected electrical control means under control of the primary machine to control the said positioning means at irregular and arbitrary intervals, thereby altering the position of the coding means and transposing the said interconnecting circuits.

2,153,195
CONTROL FOR ELECTRIC CIRCUITS
Edgar D. Lilja, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 17, 1936, Serial No. 106,086
2 Claims. (Cl. 172—239)



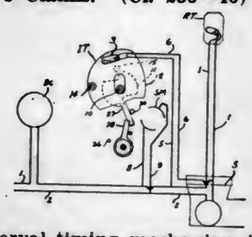
1. The combination of a mechanical coupling device having an energizing winding and driving and driven clutch elements adapted for gripping engagement when the winding is energized, an electric motor arranged to drive said driving element, means providing a source of alternating current for said motor, a rectifier having its output terminals connected to said energizing winding, and means for supplying an alternating current to the input terminals of said rectifier which varies in inverse relation to fluctuation in the current supplied from said source to said motor.

2,153,196
SPRING UNIT
Borge Martins, Copenhagen, Denmark
Application October 8, 1937, Serial No. 168,073
In Sweden October 20, 1936
6 Claims. (Cl. 267—46)



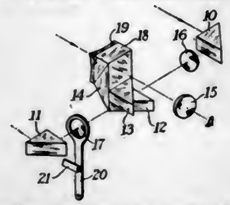
1. In combination, a leaf spring, an auxiliary circular spring means connected to said leaf spring, a co-operative bearing surface along which said means may progressively contact or bear in response to pressures exerted on the leaf spring and another co-operative surface opposite to the first named surface along which the spring may also progressively contact or bear in response to opposite pressures exerted on the leaf spring.

2,153,197
CONTROL SYSTEM FOR STOKERS
Ira E. McCabe, Chicago, Ill.
Application September 3, 1935, Serial No. 38,879
5 Claims. (Cl. 236—46)



1. An interval timing mechanism in the control circuit of an electrically operated and controlled stoker mechanism co-acting with a combustion responsive mechanism for feeding fuel independently of other controls including a timer switch in an independent circuit to the stoker motor, a pivoted carrier plate mounting said switch, a continuously rotating timer disc, means upon the carrier plate coacting with means upon the timer disc to open and close the switch continuously and successively for periodic intervals of time, and means upon the carrier plate adapted to coact with the combustion responsive mechanism to open the timer switch upon a rise in temperature of the products of combustion and maintain it open independent of the timer disc until a drop in said temperature occurs and then to permit the switch to be closed by the timer disc at its succeeding closed interval, said carrier plate provided with a toothed segment adapted to be engaged by a pivoted latch to maintain the switch in open position and means coacting with the timer disc to free the carrier plate to close the switch if a drop in the temperature of the products of combustion has occurred and is maintained during the preceding open interval of the timer disc.

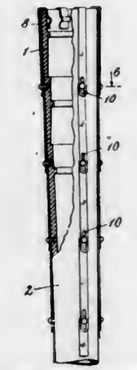
2,153,198
RANGE AND VIEW FINDER SYSTEM FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application August 1, 1936, Serial No. 93,824
1 Claim. (Cl. 88—2.6)



A combination range and view finder system comprising an observation opening, a view finder field lens in front of said opening and cooperating therewith to provide at a certain magnification an image of the field of view, a base type range finder having spaced beam accepting elements, beam combining units and including lens means for providing images at a magnification different from that for the field of view, and a reflecting means for directing the range finder beams through the observation opening, said reflecting means being semi-transparent and positioned in light transmitting relation between said field lens and said opening, whereby the range finder images and the view finder image are observable at different magnifications and within one apparent field.

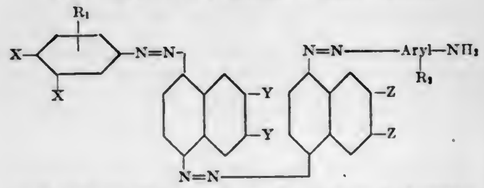
2,153,199
TANK FILLING DEVICE
Thomas S. Miller, Rome, N. Y.
Application August 1, 1935, Serial No. 34,208
16 Claims. (Cl. 221—84)

1. An attachment for fluid delivery nozzles comprising an adaptor portion, a tubular portion communicating with the adaptor portion, and electric conducting elements comprising segments of flexible metal strips pivotally connected through holes in the ends of the strips and radially disposed about the attachment and extending substantially the entire length thereof.



2,153,200
DIAZO COMPOUNDS
Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Murphy, Penns Grove, N. J., administratrix, and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1937, Serial No. 160,854
8 Claims. (Cl. 260—169)

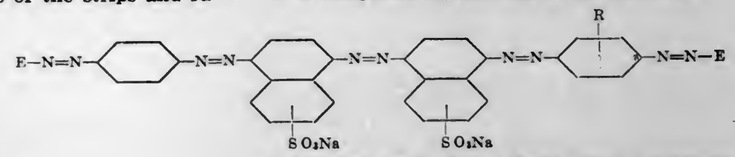
1. A compound represented by the formula



in which one X is amino and the other X is hydrogen, one Y and one Z are sulphonic acid and the other Y and other Z are hydrogen, R_1 is at least one of the group consisting of hydrogen, alkyl, alkoxy, aryl and halogen, R_2 is at least one of the group consisting of hydrogen, alkyl, alkoxy and hydroxy and aryl is one of the group consisting of benzene and naphthalene in which amino is in the 4-position with respect to the azo coupling.

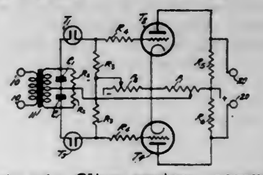
2,153,201
FAST POLYAZO DYES
Arthur R. Murphy, deceased, late of Penns Grove, N. J., by Margaret R. Murphy, administratrix, Penns Grove, N. J., and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1937, Serial No. 160,855
13 Claims. (Cl. 8—46)

1. A compound represented by the formula



in which R is at least one of the group consisting of hydrogen, alkyl, alkoxy and hydroxy; E is the radical of an azo dye coupling component which is devoid of solubilizing groups; and the naphthalene-containing components are residues of Cleve's acid.

2,153,202
ELECTRICAL FILTER
Harry J. Nichols, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 17, 1934, Serial No. 740,285
4 Claims. (Cl. 178—44)

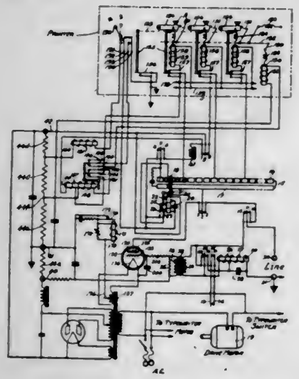


1. An electronic filter system comprising an input circuit receiving electrical signals, capacitor means charged responsively to said electrical signals, means for controlling the charging of said capacitor means, a gaseous discharge electronic tube energizable upon the application, to said capacitor means, of a predetermined potential, a steady potential source of electrical energy for supplying energy to said electronic tube, a discharge circuit for said electronic tube, and control means for limiting the current discharge through said discharge circuit, said control means comprising a discharge circuit cut-off relay.

2,153,203
COMMUNICATION SYSTEM
Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application January 29, 1934, Serial No. 708,767, now Patent No. 2,104,571, dated January 4, 1938. Divided and this application May 12, 1937, Serial No. 142,092
16 Claims. (Cl. 178—25)

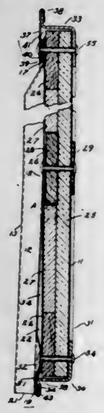
1. In apparatus of the character described including a sending station and a receiving station, typewriter mechanism at each of said stations movable to upper and lower case positions, an

actuating member at said sending station controlling movement of said mechanism thereat from one case position to another upon successive operations, an actuable member at said receiving station for moving the mechanism thereat from one case position to another upon successive operations, transmission means for caus-



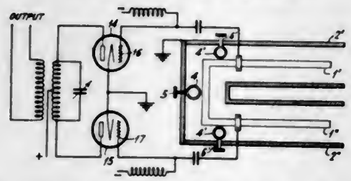
ing operation of said actuable member in response to an operation of said actuating member, and additional actuating means for causing operation of said actuable member only when said mechanism at said receiving station is in non-corresponding position with the mechanism at said sending station.

2,153,204
IRONCLAD DOOR
John B. Olson, Fort Atkinson, Wis., assignor to James Mfg. Co., Fort Atkinson, Wis.
Application August 14, 1936, Serial No. 95,990
9 Claims. (Cl. 189—46)



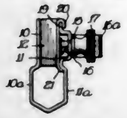
1. A door of the class described, comprising front and rear sheathings having spacing means therebetween forming a door panel, a frame adapted to tightly embrace the front and rear edges of said panel, not including the bottom edge of said front sheathing, said frame comprising bars being Z-shaped in cross section, forming the rear and outer edges thereof, the front flange extending outwardly forming a door jamb, plates forming the front of said frame the outer edges of which are secured to said jamb, the bottom of said front sheathing extending to the bottom edge of said jamb and being positioned in front of the bottom frame plate.

2,153,205
TUNING ARRANGEMENT
Charles W. Park, Bolinas, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application April 19, 1937, Serial No. 137,623
10 Claims. (Cl. 178—44)



1. A resonant circuit comprising a pair of conductors having substantially uniformly distributed inductance and capacitance and so coupled as to form a tuned circuit, means for tuning said resonant circuit comprising an electrically closed path of low resistance placed in the magnetic field of said circuit, said path being rotatable through an arc for changing the resonant frequency of said line.

2,153,206
LATCH
Wendell Pease, Chicago, Ill.
Application July 15, 1936, Serial No. 90,623
6 Claims. (Cl. 292—337)

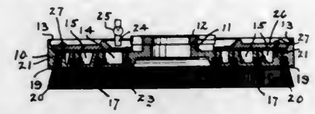


4. A latch adapted for mounting on a window having a bottom stile, same comprising a body member having spaced side walls adapted to receive the stile between them, a bottom wall connecting said side walls and adapted to extend across the bottom of the stile, an end wall adapted to abut a margin of the window, and a bolt slidably mounted on one of the side walls and shiftable to and from a position in which one of its ends is projected beyond the end wall.

2,153,207
ROTARY BRUSH
Edward L. Petty, Brazil, Ind., assignor to Continental Car-Na-Var Corporation, Brazil, Ind.
Application February 12, 1938, Serial No. 190,178
2 Claims. (Cl. 15—180)

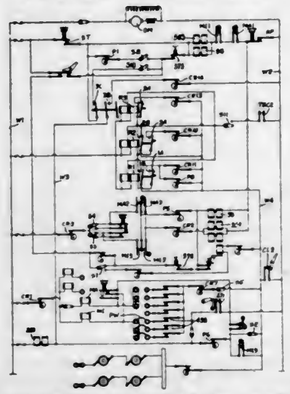
1. A revoluble scrubbing brush adapted to be employed with a fluid poured onto the top side of the brush, comprising a head having on its upper side a fluid distributing area and a plurality of arcuate depressed regions in said area, all of the regions having a plurality of fluid discharge holes in their under sides; a plurality of rows of bristles carried by the head to extend downwardly therefrom; a driving member to revolve the brush, said regions being formed to have their outer ends spaced around a head of their inner ends when the head is revolved whereby the side walls of said depressed regions tend in part to overcome the centrifugal effect on fluid in the groove; a flange

around said brush; and a plate extending inwardly from said flange over at least the outer



portions of said regions; ribs extending between and defining side walls of said regions; and said plate being seated on said ribs.

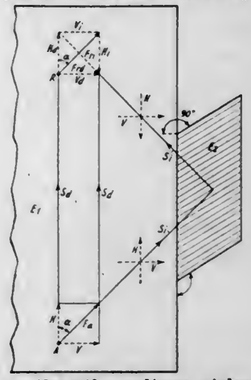
2,153,208
RECORD CONTROLLED MACHINE
Edward J. Rabenda, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 27, 1935, Serial No. 28,609
3 Claims. (Cl. 235—61.6)



1. In a machine controlled by perforated accounting and statistical records wherein said records control printing of items on work sheets, line spacing mechanism operable to feed the work sheet in progressive steps to space items on the work sheet, a circuit for controlling the operation of said mechanism with means to close said circuit at predetermined intervals, a series of relays operable to render the circuit closing means effective a predetermined number of times, and means controlled by the records for rendering the relays operative.

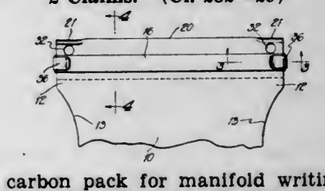
2,153,209
METHOD OF AND MEANS FOR REDUCING DISTURBANCES
Hans Scharlau, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 23, 1935, Serial No. 55,698
In Germany December 22, 1934
3 Claims. (Cl. 250—11)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

3. A transmitting antenna emitting waves polarized at an angle to the vertical, a receiving antenna and a reflecting surface, said transmitting and receiving antennas being arranged parallel to each other whereby the voltage pickup of the direct wave is a maximum and said antennas being arranged at such an angle with respect to the reflecting surface that the waves reflected from said reflecting surface and arriving at said receiving antenna are polarized in a different direction than the directly transmitted



waves and so that the voltage pickup of said reflected wave is a minimum.

2,153,210
CARBON PACK
William F. Simonson, Forest Hills, N. Y.
Application July 6, 1936, Serial No. 88,969
2 Claims. (Cl. 282—29)

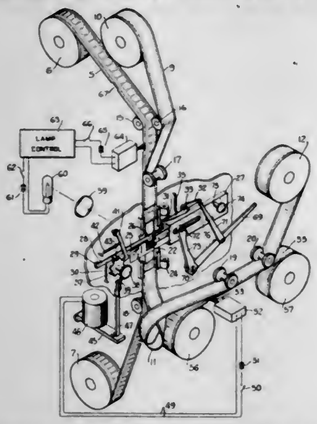


1. A carbon pack for manifold writing comprising in combination, a plurality of superimposed transfer sheets, a binding strip extending from one edge to the opposite edge of the transfer sheets and being of greater length than the distance between said edges, means for securing the binding strip to one face of the transfer sheets with the transfer sheets disposed intermediate the ends of the strip, a flexible carrier plate bearing on another face of the transfer sheets, said plate being elongated in a direction transversely of the transfer sheets to furnish a support for a part of the area of said transfer sheets and the plate being no greater in length than the distance between the aforesaid edges, the free end portions of the binding strip overlapping respectively the corresponding edges of the transfer sheets and the ends of the carrier plate at each side of the transfer sheets, and a clip embracing the overlapped ends of the binding strip and also another portion of the strip adjacent the overlapped portion thereof to removably attach the transfer sheets to said carrier plate.

2,153,211
COMPOSITE PRINTING OF MOTION PICTURE FILM
Joseph H. Spray, Rutherford, N. J., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application March 21, 1935, Serial No. 12,203
6 Claims. (Cl. 95—75)

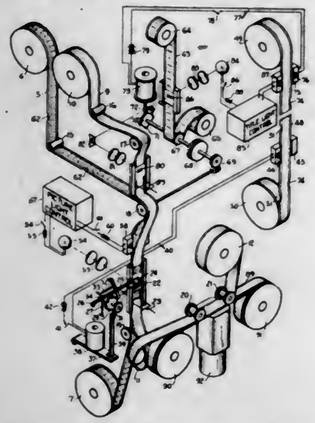
1. In a system for printing positive motion picture film from a motion picture negative film, a picture aperture, means for moving said films past said aperture at a certain rate of speed, a mask adapted to be placed in the same portion

of said aperture at predetermined intervals during the printing of said picture, and means for controlling the adjustment of said mask, said means including another film, and a breaker



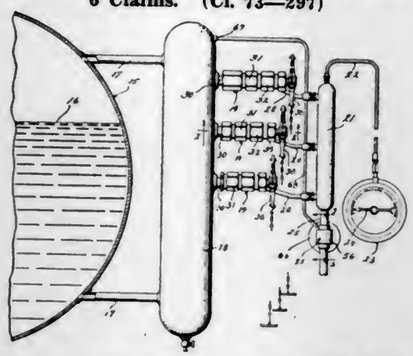
switch operated by said last mentioned film, and a ratchet mechanism operated by said switch for placing said mask in said aperture upon one energization and removing said mask upon another energization.

2,153,212
COMPOSITE PRINTING APPARATUS FOR MOTION PICTURE FILM
Joseph H. Spray, Rutherford, N. J., assignor to United Research Corporation, Burbank, Calif., a corporation of Delaware
Application February 18, 1936, Serial No. 64,518
6 Claims. (Cl. 88—24)



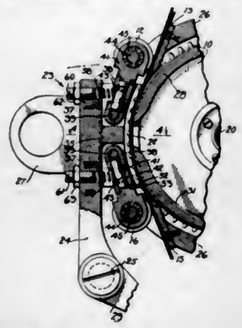
1. In a picture and title printing system, the combination of a sensitized film, a picture film, a title film having each frame constituting a different title, a control film, means for advancing all of said films simultaneously except said title film, means for advancing said title film one frame at predetermined intervals determined by said control film, a title printing gate having a title printing aperture under control of said control film, a picture printing gate having an aperture, and means associated with said picture printing gate for decreasing the aperture thereof by an amount comparable in size to that of said title printing aperture, said last mentioned means being under control of said control film.

2,153,213
APPARATUS FOR DETERMINING LIQUID LEVELS
Willis P. Thomas, Highland Park, Curtis L. Howse, Detroit, Harry E. Brelsford, Birmingham, and Frank Bowers, Detroit, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application July 31, 1935, Serial No. 33,926
6 Claims. (Cl. 73—297)



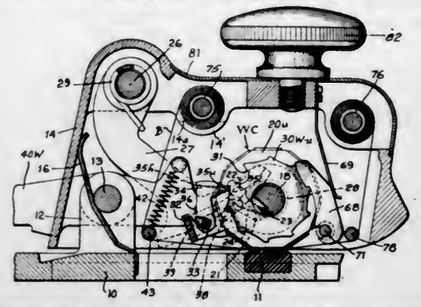
1. In an apparatus for determining whether or not water is at a predetermined level in a boiler, means for tapping the boiler at the said predetermined level, means providing a restricted zone for receiving the fluid discharged from the boiler at said level, pressure responsive means connected with said restricted zone, means providing a discharge orifice for said restricted zone, and pressure actuated means responsive to the pressure in the boiler for adjusting the size of said discharge orifice.

2,153,214
PRESSURE PAD
Albert W. Tondreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application October 3, 1936, Serial No. 103,900
6 Claims. (Cl. 95—75)



6. In a printer, the combination of a light block having curved shoes at opposite sides thereof, a slot extending through each end of said light block, a pin in each of said slots, an arm in each of said slots and pivotally mounted on each of said pins, said arms projecting outwardly from said light block in the general direction of the curvature of said shoes, a self-aligning roller on each of said arms, a bracket secured to said block and extending over said slots, a spring barrel in said bracket opening into each of said slots, and a spring for each of said spring barrels.

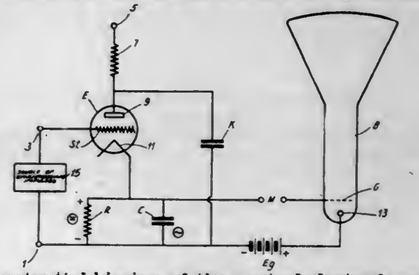
2,153,215
PERCENTAGE COUNTER
Torkel Edwin Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 26, 1936, Serial No. 102,652
1 Claim. (Cl. 235—91)



Numbering apparatus comprising number wheels, a ratchet wheel fixed to the units order number wheel, a member given recurrent operations, a pawl for engaging said ratchet wheel, a movable carrier for said pawl given a single oscillation by said member upon each single operation of said member, said oscillation of the carrier causing the pawl, when the latter is engaged with its ratchet wheel, to advance the ratchet wheel one step and adding one to the units order wheel, a cam disk mounted coaxially with the number wheels and having a plurality of notches around its periphery for receiving the pawl to enable the latter to engage its ratchet wheel and having between said notches arcuate dwell portions engageable with the pawl to hold the latter disengaged from the ratchet wheel, a ratchet disk fixed to the cam disk, and a dog carried by said carrier for engaging the ratchet disk to advance the latter and the cam disk one step upon an operation of the member to thereby after successive operations of the member periodically place a notch of said disk in coaction with the pawl to render the latter effective upon the next operation of said member to advance the units order wheel one step, said pawl when received in a notch engaging the front wall of the latter so as to advance the cam disk and ratchet disk a plurality of steps of the latter when advancing its own ratchet wheel.

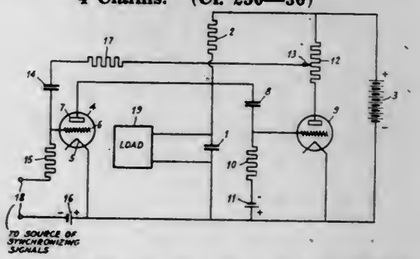
2,153,216
ELECTRON TUBE SYSTEM
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 17, 1936, Serial No. 69,319
In Germany March 26, 1935
4 Claims. (Cl. 250—27)

1. In a signalling system wherein is provided a cathode ray tube having a source of electrons and a control electrode and a saw-tooth oscillator, the method of operating which comprises the steps of supplying modulating potentials to the control electrode, biasing the control electrode to cut-off potential, and counteracting the cut-



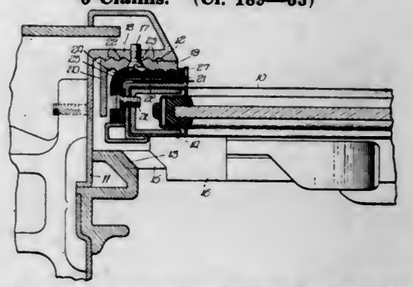
off potential biasing of the control electrode only when the saw-tooth oscillator is operating.

2,153,217
OSCILLATION GENERATOR
Jan van der Mark, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application June 12, 1936, Serial No. 84,806
In the Netherlands June 12, 1935
4 Claims. (Cl. 250—36)



1. In combination, an oscillator for producing electrical waves, an input control circuit for said oscillator, a load circuit connected to said oscillator, a thermionic amplifier having an input circuit connected in parallel to the load circuit, and feedback means from the thermionic amplifier to the input control circuit, said feedback means comprising time constant means whose period is small compared with the frequency of the produced electrical waves, whereby the frequency of the produced electrical waves may be varied independently of the amplitude of said waves.

2,153,218
SASH GUIDE
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application March 22, 1937, Serial No. 132,269
6 Claims. (Cl. 189—65)



1. In window construction, a vertically slidable sash provided with soft resiliently compressible facings on the outer surfaces of its side rails,

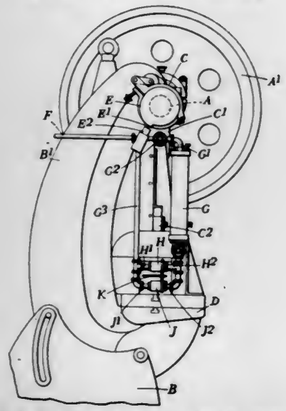
and guides for the sash provided with vertically extending serrations in the plane of the outer surfaces of the side rails for embedded association with the facings.

2,153,219

LUBRICATING SYSTEM FOR PUNCH PRESSES

Wilhelm Walter, Stuttgart, Germany, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application April 24, 1936, Serial No. 76,249
In Germany May 25, 1935
10 Claims. (Cl. 164—86)



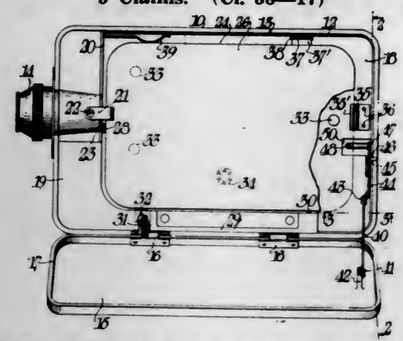
1. In a lubricating system for a punch press, comprising a frame including a stationary member, a reciprocating member for intermittently cooperating with said stationary member, a work guiding means for directing to said members the material upon which an operation is to be performed, a spray assembly mounted for movement with respect to the material and for directing a spray of lubricant onto said material prior to its entry between said members, and an actuating means connected to said spray assembly for moving the same to vary the direction of said spray along said material.

2,153,220

EJECTOR FOR MOTION PICTURE APPARATUS OF THE MAGAZINE TYPE

Otto Wittel, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application January 11, 1935, Serial No. 1,372
5 Claims. (Cl. 88—17)



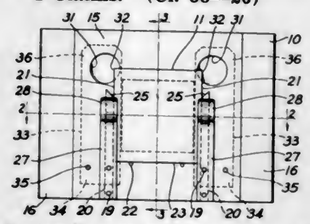
1. In a motion picture apparatus, the combination with a casing providing a chamber for a film magazine, and resilient means within said chamber for engaging and locating a film magazine in an operative position within said chamber and formed to move said magazine after a predetermined displacement from said operative position into a more accessible position, of an ejecting means for moving the film magazine from said operative position and effecting said predetermined displacement of said magazine.

2,153,221

ADAPTER FOR MINIATURE LANTERN SLIDES

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 4, 1938, Serial No. 188,687
4 Claims. (Cl. 88—26)



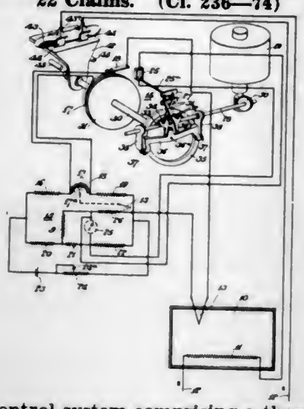
1. An adapter for use with a miniature lantern slide, comprising in combination, a plate having a viewing aperture formed therein, a pair of spaced guide members on said plate adapted to engage opposite edges of said slide to position the latter in horizontal alignment with said aperture, said guide members being formed with recesses therein, pins on said plate adapted to engage another edge of said slide to support the latter, said pins cooperating with said guide members to position said slide in registry with said aperture, a pair of leaf springs overlying said guide members, and portions on said leaf spring arranged to extend into said recesses, to engage said slide to yieldably hold the latter in engagement with said plate.

2,153,222

CONTROL SYSTEM

Felix Wunsch, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 20, 1934, Serial No. 753,859
22 Claims. (Cl. 236—74)



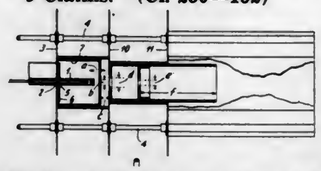
1. A control system comprising a thermocouple responsive to a temperature to be controlled, means including an electro-responsive device connected in circuit with said thermocouple for measuring said temperature, relay apparatus controlled by said measuring means for controlling said temperature, and means operative, upon the opening of the thermocouple circuit, to maintain a current through said device for reducing said temperature below a predetermined value.

2,153,223

CATHODE RAY TUBE

Arthur James Young, Putney, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application August 23, 1935, Serial No. 37,462
In Great Britain August 30, 1934
9 Claims. (Cl. 250—162)



2. A cathode ray tube comprising a cathode, an annular cylindrical electrode surrounding said cathode, a positioning insulator supporting said cathode co-axially with said electrode, a disk electrode mounted on said insulator, and means directly connecting said last named electrode to the cathode.

2,153,224

WINDSHIELD WIPER

Max Zaiger, Swampscott, Mass.

Application December 31, 1934, Serial No. 759,943
2 Claims. (Cl. 15—250)



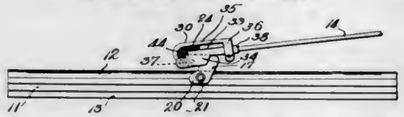
1. A clip for securing a wiper element to a wiper arm, said clip having two spaced sides connected at one end and adapted to fit between the side flanges of a wiper arm having a U-shaped attaching portion, each side having at said end a notch in its top edge to receive the end of the wiper arm and each side also having at its opposite end an L-shaped resilient extension presenting a resilient arm projecting therefrom, said resilient arms being adapted to embrace the wiper arm, said clip having integral therewith at the end thereof at which the sides are connected a finger extending therefrom which overlies the end of the wiper arm and restrains forward or upward movement thereof relative to the sides of the clip.

2,153,225

CLIP FOR WINDSHIELD WIPERS

Max Zaiger, Swampscott, Mass.

Application April 24, 1935, Serial No. 17,935
2 Claims. (Cl. 15—250)



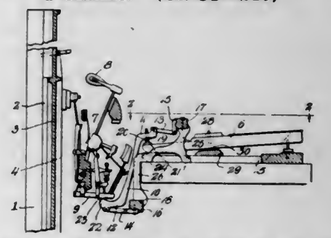
1. A clip for windshield wipers, comprising spaced side portions having depending ears for fastening the clip to a wiper blade, a bridge member connecting said side portions at one end of the clip, and a finger extending from said bridge and overlying the top edges of said side portions, the sides of the clip being constructed and arranged to fit between the side flanges of a wiper arm having a U-shaped attaching member, or to receive therebetween the L-shaped end of a hook type wiper arm, said finger having an opening for receiving the tip of said L-shaped end, and said side portions having inwardly projecting detents beneath which the bend of said L-shaped end may be snapped to secure said end within the clip.

2,153,226

PIANO

Paul M. Zeidler, Mount Vernon, N. Y.

Application March 10, 1936, Serial No. 68,125
4 Claims. (Cl. 84—240)



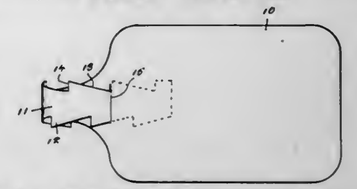
1. A motion transmitting means for use in a piano having a key and a hammer action including a motion transmitting member arranged below the level of the key, comprising a motion transmitting element bridging the space between the key and motion transmitting member, said element being engageable at its upper end by the key for receiving motion therefrom and engageable at its lower end with the wippen for transmitting motion thereto, upper and lower supporting elements disposed respectively above and below the level of the key, and parallel motion links connecting said motion transmitting element at its upper and lower ends respectively with said upper and lower supporting elements and mounting said motion transmitting element for movement when actuated by the key to transmit to said member a working movement of the same range and degree of angularity as that transmitted thereto by the key.

2,153,227

TAG

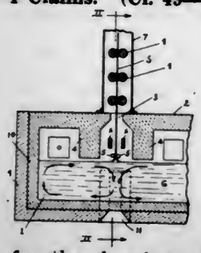
Edwin Elmer Allstatter, Middletown, Ohio

Application April 26, 1938, Serial No. 204,407
2 Claims. (Cl. 40—21)



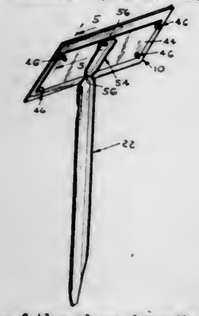
1. A tag of light flexible material like paper comprising a body, a strap extending from one end of the body, the said body having a slot therein next to the strap for receiving the same, and slanted substantially triangular shaped saw tooth-like formations in staggered relation to each other at opposite longer edges of the strap, the slot being of a length less than the greater width of the strap at each tooth formation.

2,153,228
GLASS DRAWING TANK
Walter O. Amsler, Butler, Pa., assignor to Frazier-Simplex, Inc., a corporation of Delaware
Application March 29, 1937, Serial No. 133,523
4 Claims. (Cl. 49—17)



4. A tank for the drawing of glass in sheet form having a roof provided with a transverse slot through which the sheet is drawn, and having walls of heat-insulating character exposed externally to the cooling effect of the atmosphere, the said walls immediately beneath and substantially in the plane of the said slot in the roof being of diminished heat-insulating effect, whereby, in operation, the meniscus that forms at the base of the developing sheet is stabilized in position.

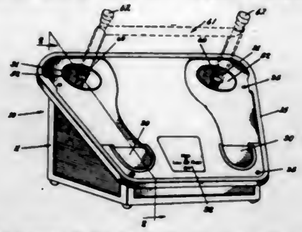
2,153,229
GRAVE MARKER AND OTHER INDICATOR
Sidney Arkin, Chicago, Ill.
Application March 30, 1938, Serial No. 198,869
5 Claims. (Cl. 40—124.5)



2. A device of the class described comprising a metal plate having an opening therein, cast metal character units mounted on said plate and received in said opening with the characters on said units visible at the front of the plate, bosses integral with and projecting from the rear of said plate, a sheet metal member overlying said units in engagement therewith at the rear of the plate for holding said units in position, said sheet metal member having openings through which said bosses project, members surrounding said bosses and engageable with said holding member and screws threaded into said bosses and engageable with said members for releasably securing said holding member in position.

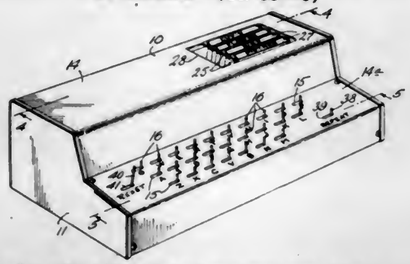
2,153,230
VIBRATOR
Edgar W. Bagnell, Glendale, Calif., assignor of one-half to Henry D. Sawtell, Los Angeles, Calif.
Application August 4, 1936, Serial No. 94,201
6 Claims. (Cl. 128—52)

6. In a vibrator for treating the human body, the combination of: a frame; a relatively straight magnet core mounted on said frame, opposite ends of which are spaced apart a substantial distance; an electric winding on said core; armature members spaced apart a substantial distance and juxtaposed relative to opposite end portions of said core which extend beyond said winding so that when said winding is energized with alternating current said armature mem-



bers are caused to vibrate in parallel directions disposed crosswise to the longitudinal axis of said core; a housing enclosing said frame, said core, said winding and said armature members, said housing having openings opposite said armature members; and foot contacting means provided on said armature members and extending through said openings in position to be engaged by the balls of the feet for treatment of the latter.

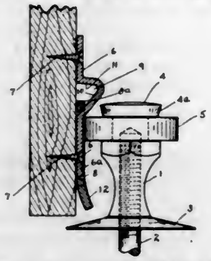
2,153,231
EDUCATIONAL AND AMUSEMENT DEVICE
Walter E. Barnard, Wethersfield, Conn.
Application August 5, 1937, Serial No. 157,563
17 Claims. (Cl. 35—6)



1. An educational and amusement device comprising a display element mounted for movement between retracted and display positions, means yieldingly urging said element into display position, a plurality of hooks on said element individually and selectively settable in either of two correct positions, one of which is an active position and the other an inactive position, and a plurality of latches each engageable with those hooks on said element which are set in active positions to extend in the same directions and clearing the other of said hooks, to hold said element in retracted position, whereby when all of the latches that are engaged with all of the hooks that are set in active positions, are operated to release the hooks engaged thereby, said element will be automatically operated into display position.

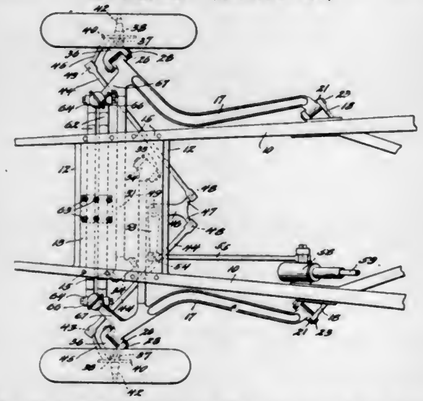
2,153,232
DOOR STOP
Kenneth H. Beck and Edward H. Blackburn, Pittsburgh, Pa.
Application November 5, 1935, Serial No. 48,310
Renewed March 8, 1938
3 Claims. (Cl. 292—246)

1. A door catch assembly comprising a mounting plate adapted to be secured to the face of a door and regionally deflected outwardly intermediate its height to provide a transverse recess open to the face of the door, said regional outward deflection of the mounting plate providing as it is mounted on a door a lower seat adjacent the face of the door and an upper seat spaced outwardly from the face of the door, and a latch element loosely confined in the said recess for both rotating movement therein and for bodily movement between an inoperative position in the said lower seat and an operative position in the



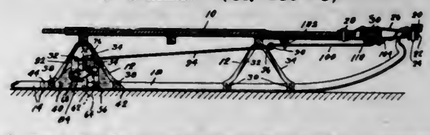
said upper seat in the recess defined by outward regional deflection of the mounting plate, said latch element being in the form of a yoke dimensioned to embrace a space greater than that occupied by the region of the mounting plate which in mounted position of the mounting plate lies below the said transverse recess formed therein, so that the latch element when in its inoperative position in the lower seat of the recess may lie under the influence of gravity in approximate parallelism with the face of the door.

2,153,233
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor, by mesne assignments, to Robert C. Watson and Jennings Bailey, Jr., trustees, both of Washington, D. C.
Application March 16, 1933, Serial No. 661,124
10 Claims. (Cl. 280—95)



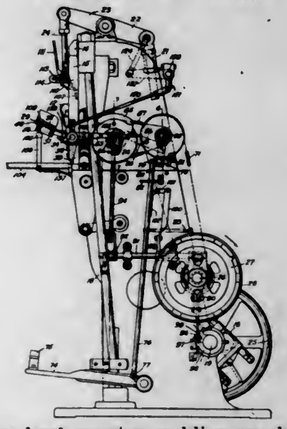
8. In a motor vehicle, the combination with a vehicle frame structure, of a pair of steerable road wheels disposed at opposite sides of and adjacent the forward end of said frame structure, means associated with each of said wheels and said frame structure for supporting and guiding said wheels for independent rising and falling movement, each of said wheel supporting and guiding means including at least one link having arms diverging from a wheel for pivotal connection to said frame structure, means providing a pivotal connection between the ends of said diverging arms of each of said links and said frame structure whereby each of said links swings about an axis inclined at an acute angle with respect to the longitudinal vertical midplane of the vehicle, the diverging ends of the arms of one of said links lying on opposite sides of a vertical plane containing said axis of the other of said links, steering knuckles for said wheels, tie rod means articulated to said knuckles, and steering motion imparting means operably connected to said tie rod means and positioned in the spaces provided by the diverging arms of said links.

2,153,234
BRAKE MECHANISM FOR SLEDS
Fred Buccella, Winchester, Mass.
Application December 23, 1936, Serial No. 117,308
9 Claims. (Cl. 188—8)



1. In a brake mechanism for sleds, a supporting plate having means for securing the plate to a sled runner and outstanding means providing an elongated straight guideway of non-circular cross-section overhanging one side of the runner, a ground engaging brake member having a corresponding non-circular part reciprocable in a straight line in said guideway, and means carried by said plate having a part overlying the side of said guideway for reciprocating said brake member.

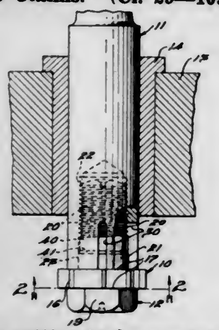
2,153,235
SHOE HEEL COUNTER MOLDING MACHINE
William Hedger Chamberlain, Higham Ferrers, England
Application June 17, 1937, Serial No. 148,795
In Great Britain November 18, 1936
16 Claims. (Cl. 12—66)



1. A shoe heel counter molding machine, comprising a mold, means for opening said mold by separating its parts to leave a narrow gap between them and for subsequently closing said mold, a wiper adapted to rise and fall over the face of said mold, a clutch controlling said opening and closing means and said wiper, means for engaging said clutch, a carrier having an upward rocking movement for presenting a

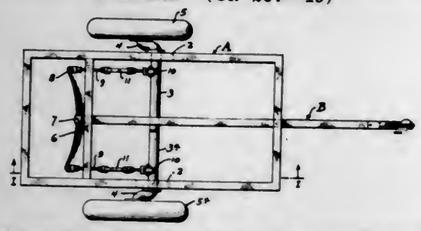
counter blank to said mold, said carrier including jaws adapted to engage a counter blank by the edge normally projecting from the mold, means for rocking said carrier towards said mold, the rocking movement of said carrier towards said mold causing said counter blank to enter edgewise in the gap between the parts of said jaws retaining their engagement with said edge after the remainder of the blank has entered into said gap, mechanical means for operating said clutch engaging means and subsequently operating said rocking means, and means for disengaging said jaws in advance of the fall of said wiper.

2,153,236
TOOL
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 19, 1937, Serial No. 137,675
8 Claims. (Cl. 29—103)



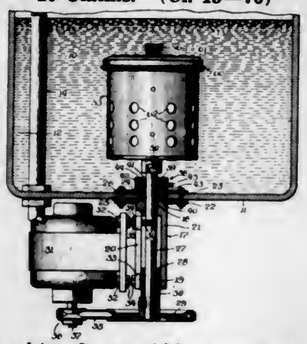
1. A rotary cutting tool comprising a disk cutter having peripheral teeth and a cylindrical opening extending axially therethrough, a supporting bar having a radially expansible end face abutting one end face of the cutter, pilot means centering the cutter on the bar, said pilot means radially expanding the end of said bar to form a tight fit therewith, and means engaging the other end face of the cutter in a relation to hold the cutter in tightly abutting relation against the bar end.

2,153,237
SPRING SUSPENSION FOR VEHICLES
Aurelius R. Clark, Martinez, Calif.
Application June 30, 1937, Serial No. 151,131
1 Claim. (Cl. 267—19)



A spring suspension for vehicles comprising a pair of bearing members secured to the main frame of a vehicle one on each side thereof, an axle extending crosswise of the frame and through the bearings, said axle being divided centrally into two sections, one axle section having a hole drilled in its end, and threaded, and the other axle section having a projection which is externally threaded, and said projection being screwed into the internally threaded portion of the adjacent axle section to connect the divided axle against longitudinal separation but permitting free rotation of each axle section with relation to the other, a crank arm on the outer end of each axle, a spindle on the outer end of each crank arm, a wheel journaled on each spindle, a leaf-spring disposed crosswise of the frame and secured thereto, said spring being flexible in a horizontal plane, a second crank arm adjacent the outer end of each axle section, rods connecting said crank arms with opposite ends of the leaf-spring, and means for shortening or lengthening the rod connection between the spring and the last named crank arms to increase or decrease the tension of the spring.

2,153,238
METHOD OF AND APPARATUS FOR WASHING RECEPTACLES SUCH AS TUMBLERS AND THE LIKE
Vincent W. Cunningham, Chicago, Ill.
Application May 14, 1932, Serial No. 611,263
10 Claims. (Cl. 15—76)

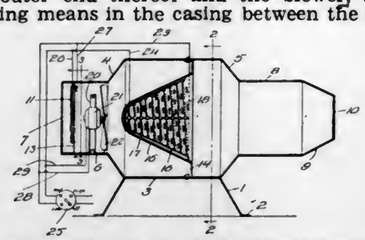


6. A machine for scrubbing tumblers comprising, in combination, a tank for cleansing fluid, rotatable brushing means in said tank, a hollow housing surrounding said brushing means and having a substantially cylindrical side wall and transverse end walls, one of said end walls defining an inlet opening substantially centered on the axis of rotation of said brushing means below the normal fluid level in said tank and through which fluid may flow into the adjacent end of said brushing means, and one of the other walls defining an outlet opening at least a portion of which is spaced a distance from said axis, which is greater than the distance between said axis and the most remote portion of said inlet opening, and said outlet opening being spaced axially from said inlet opening substantially at the other end of said brushing means so that fluid flowing through said housing from said inlet opening to said outlet opening traverses and flushes the brushing means throughout its entire length, and means for rapidly rotating said brushing means.

2,153,239
ELECTRIC HEATER
Urbano Curci, Ridgway, Pa.
Application March 21, 1938, Serial No. 197,284
4 Claims. (Cl. 219—39)

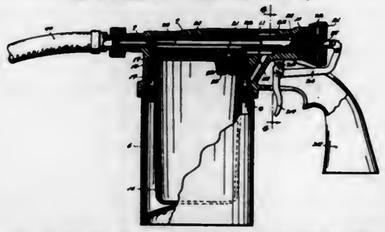
1. An electric heater comprising a casing, a screened inlet portion and a screened outlet portion for said casing, said outlet portion having a restricted outer end, a blower in the inlet portion, initial heating means in the inlet portion between

the outer end thereof and the blower, master heating means in the casing between the blower



and the outlet portion, and said master heating means including a conical body having its apex end directed toward the blower.

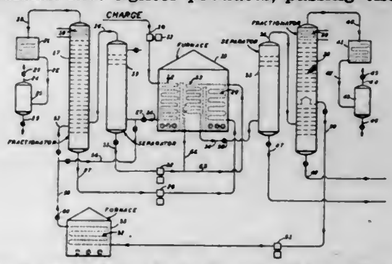
2,153,240
SPRAYING MACHINE
Clarence O. Dailey and Peter P. Metz, Seattle, Wash.
Application March 14, 1936, Serial No. 68,816
12 Claims. (Cl. 299—85)



11. In a machine for diluting liquid chemicals, a pressure tank, a compressible reservoir for the chemical received in said tank, means for compressing said reservoir under static pressure from a source of pressure dynamically influencing a stream of a diluting agent, a mixing chamber and a connecting duct leading thereto from the reservoir, a reducer of a predetermined fixed flow capacity received in said duct, a conduit leading to the mixing chamber for supplying the dynamic stream of the diluting agent, a valved conduit leading from the mixing chamber for delivering the diluted chemical, and means operating co-incident to a closing of the valve in said delivery conduit for isolating the chemical reservoir from the mixing chamber and thereby trapping the agent in the mixing chamber against admission to the chemical reservoir.

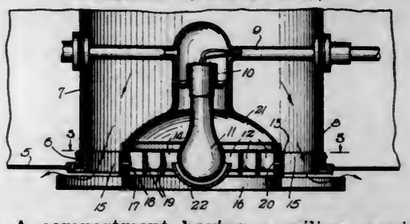
2,153,241
CONVERSION OF HYDROCARBON OIL
Richard J. Dearborn, Summit, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 6, 1936, Serial No. 94,544
1 Claim. (Cl. 196—49)

A method of treating hydrocarbon oil to form lower boiling hydrocarbons suitable for motor fuel which comprises passing charging stock comprising the residual constituents of crude petroleum once through a single-pass cracking zone wherein it is subjected to cracking conditions of temperature and pressure to effect conversion into lighter products, directing the resultant cracked products into a primary separating zone wherein separation of vapors from liquid residue occurs, subjecting the separated vapors to fractionation in a primary fractionating zone to separate a reflux condensate from lighter products, passing said reflux condensate through a primary section of a cracking coil under superatmospheric pressure and applying heat thereto to subject the oil flowing therein to cracking temperature and effect conversion into lighter products, withdrawing liquid residue from said primary separating zone and merging said liquid residue with the products from the primary section of said cracking coil for passage through a subsequent section thereof while applying heat thereto to maintain the merged products at cracking temperature and effect conversion into lighter products, passing the re-



sultant cracked products from said cracking coil into a second separating zone wherein separation of vapors from residue occurs, passing the separated vapors into a second fractionating zone wherein the vapors are fractionated to separate a reflux condensate from lighter products, subjecting the later reflux condensate to cracking conditions of temperature and pressure in a separate cracking zone to effect an additional conversion into lighter products and directing the resultant cracked products into the primary separating zone.

2,153,242
CAR COMPARTMENT ILLUMINATING AND VENTILATING MEANS
Henry Dreyfuss, New York, N. Y., assignor to The New York Central Railroad Company, a corporation of New York
Application December 3, 1936, Serial No. 114,076
2 Claims. (Cl. 240—7.35)



1. A compartment having a ceiling provided with an aperture therein, an annular ventilating casing rising from the aperture, a frame ring disposed within the base of the casing in line with the aperture and concentric with and in spaced relation to said casing so as to provide an air passage therebetween connecting the compartment with said chamber, an incandescent lamp arranged within the chamber and having its bulb portion depending into the space bounded by the frame ring, a reflector fixed to the casing and surrounding the lamp above the annular member and having a dome-shaped part overhanging the annular member in closing relation thereto, said dome-shaped part having its concaved side facing downward and forming a reflecting surface for reflecting light rays from the lamp downward through the annular member, a shield disposed centrally of the annular member beneath the

bottom of the bulb for preventing direct downward transmission of light rays therefrom, a unitary grating comprising a plurality of ring-shaped members disposed edgewise in a vertical plane concentric with each other and with the annular member and in the space between the annular member and bulb portion of the lamp to provide unobstructed passages for the direct downward reflection of light rays from the reflector and baffles about said shield and coacting therewith to guard said space from visual observation of said lamp therethrough from below, and means detachably connecting the grating with the frame ring.

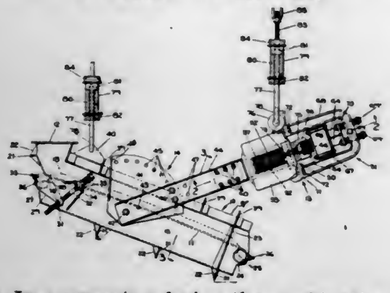
2,153,243

VIBRATORY SCREEN

James A. Flint, Bexley, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado

Application December 12, 1934, Serial No. 757,160

9 Claims. (Cl. 209—329)



2. In a screening device, the combination with a deck having a screen thereon, of a motor for imparting vibratory motion to said deck, and means for connecting said motor to said deck at a variable angle with respect to said screen, which variable angle may be adjusted from an acute angle to an obtuse angle with respect to one end of the screen.

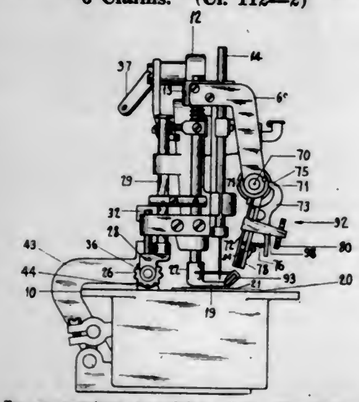
2,153,244

ELASTIC TAPE ATTACHING MECHANISM

Joseph Galkin, New York, N. Y.

Application September 14, 1936, Serial No. 100,778

6 Claims. (Cl. 112—2)



1. In a sewing machine for attaching elastic tape, comprising in combination a head having a tape threading aperture, a work supporting base having a concave and arcuate seat fixed thereto, a toothed pull-feed roller having a plurality of teeth in pressure contact with said arcuate seat and downwardly engaging and feeding a tape across said work supporting base, a four-motion feed member below said work supporting base and upwardly engaging a body fabric in spaced relation from the engagement thereof by said pull-feed roller, a presser-foot downwardly and forcibly engaging the work while it is being fed by said feed members said presser-foot having tape threading means on its front end for guiding a tape thereunder, an edge-folder, a tape-guide having spring-pressed jaws extending to said edge-folder and close to the front of said presser-foot for directing a tape in tensioned condition on top of a marginal fold formed in a body material by said edge-folder, said toothed tape pulling roller being mounted close to the rear of said presser-foot, means for rotating said roller and a vertically disposed and spring-tensioned tape supply spool supported endwise on a thrust bearing for supplying an elastic tape in slightly tensioned condition to said tension tape guide, said tape threading aperture and tape-guide and threading means being in alinement and causing said elastic tape to move in a line through said sewing machine.

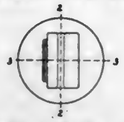
2,153,245

RECEPTACLE CLOSURE

Harry G. Gansz, Cincinnati, Ohio

Application August 26, 1937, Serial No. 161,018

4 Claims. (Cl. 221—60)



1. A closure device of the class described comprising a base having opposed flattened walls, and an arcuate face between said walls, each wall having a pocket formed therein, the base being provided with an opening extending therethrough and in the direction of extension of said opposed walls, and a slide comprising a yoke portion with a leading edge and a trailing edge, and a pair of arms each of the arms having a side area substantially coextensive with the arcuate face of the base to provide edge seals therefor, a trunnion formed at the free end of each arm and received in the pockets formed in the base, the yoke portion of the slide having a sealing face adapted to be moved over the opening through the base, by turning the trunnions in the pockets, and means at the leading and trailing edges of the slide for completing the sealing of the arcuate face of the base.

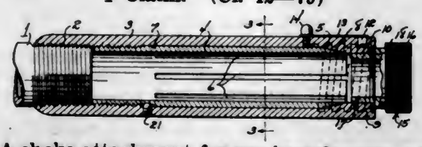
2,153,246

ADJUSTABLE CHOKE FOR SHOTGUNS

Clyde M. Gibson, Huntington, W. Va.

Application October 11, 1937, Serial No. 168,482

1 Claim. (Cl. 42—79)



A choke attachment for gun barrels comprising a supporting sleeve internally threaded for coupling to the muzzle end of a shotgun barrel, a choke sleeve threaded in said supporting sleeve at that end of the latter which couples with the gun barrel, the choke sleeve being longitudinally slotted beyond the threaded portion and extending nearly to the end of the supporting sleeve, the latter at the end remote from the threaded end being provided with coarse interior threads, an adjusting collar exteriorly threaded to engage said interior threads and beveled on the interior periphery to engage the adjacent end of the choke sleeve which is exteriorly beveled, the adjusting collar extending beyond the supporting sleeve and being peripherally milled, a pin threaded radially into the supporting sleeve from the outer surface thereof to function as a sight, a leaf spring lying flat on the supporting sleeve and retained in position thereon by said pin, the spring extending in the direction of the length of the supporting sleeve, and a dog carried by the spring at the end remote from the pin and passing through a clearance opening in the supporting sleeve to engage notches formed at spaced points around the periphery of the adjusting collar to preclude rotation of the latter after adjustment, the spring allowing the dog to yield in the manual adjustment of the collar.

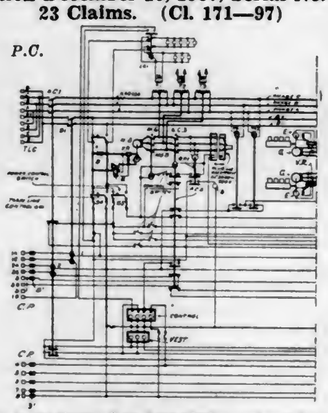
2,153,247

ELECTRIC LIGHT AND POWER SYSTEM

William S. H. Hamilton, Larchmont, N. Y., assignor to The New York Central Railroad Company, a corporation of New York

Application December 10, 1937, Serial No. 179,209

23 Claims. (Cl. 171—97)



17. In a system for supplying electric current to a plurality of train-line conductor sections, a source of current supply, complementary switch members for connecting the conductor sections to establish a train line circuit, motors in the conductor sections, electromagnetic energizing switches connected in the conductor sections for connecting the same with the source of current supply, relays in said sections cooperatively acting to successively and in timed order operate said switches in such manner that the operation of a preceding energizing switch will initiate an action for energization of a succeeding energizing switch, and control means for sequentially starting the motors in the energized conductor sections.

2,153,248

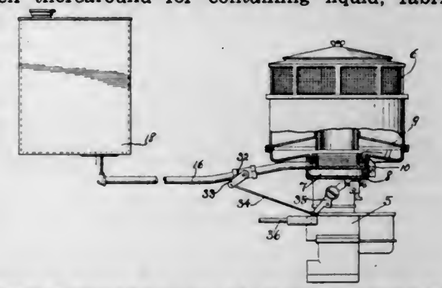
AIR HUMIDIFIER FOR INTERNAL COMBUSTION ENGINES

William G. Hardt, Chicago, Ill.

Application June 4, 1938, Serial No. 211,762

8 Claims. (Cl. 261—107)

1. A humidifier mountable in the connecting portion between a carburetor and an air cleaner of an internal combustion engine, said humidifier comprising a casing fitting in said connecting portion and including an inner air channel and a well therearound for containing liquid, fabric



means stretched across said air channel and having the end means extending into the well, and means removably and adjustably mounted on the casing for securing the fabric means firmly in place but permit removal thereof.

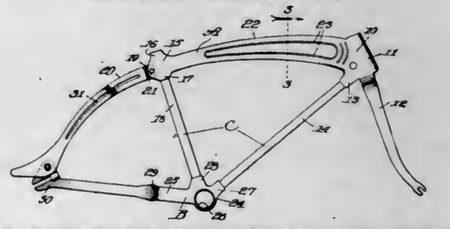
2,153,249

BICYCLE FRAME

Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois

Application January 11, 1937, Serial No. 120,087

15 Claims. (Cl. 280—281)



1. A bicycle frame comprising hanger, cluster, and head members two of said members being portions of a single casting.

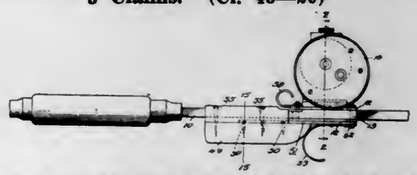
2,153,250

FISHING REEL

Emery D. Howe, Coldwater, Mich.

Application April 29, 1938, Serial No. 205,085

5 Claims. (Cl. 43—20)



1. The combination with a fish rod, of a toothed rack disposed lengthwise of the fish rod, a reel supporting frame movable lengthwise of the rack in reverse directions, a shaft on the frame geared to the rack to be driven in reverse directions by the rack, clutch gears loose on the shaft, a reel rotating gear disposed between the clutch gears and meshing at diametrically opposite points with both of said clutch gears, a dog and ratchet mechanism establishing driving connection between the driven shaft and one of the clutch gears, a dog and ratchet mechanism establishing driving connection between the driven

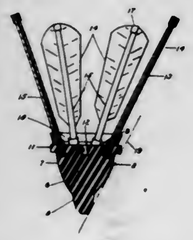
shaft and the other clutch gear, and shift fingers fixed to the driven shaft and connected to respective dog and ratchet mechanisms for declutching one of the clutch gears from the shaft and clutching the other clutch gear to the shaft for driving the reel rotating gear continuously in one direction.

2,153,251

SHUTTLECOCK

Alexander A. Hudson, Cincinnati, Ohio; Georgianna Hudson executrix of said Alexander A. Hudson, deceased, assignor to B. J. McCashen, Cincinnati, Ohio

Application March 18, 1938, Serial No. 196,748
3 Claims. (Cl. 273—106)



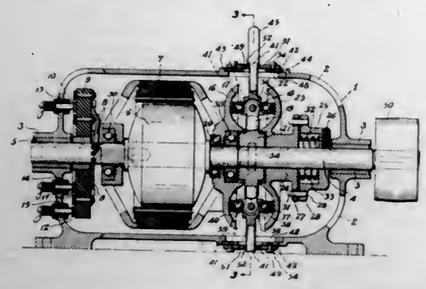
1. A shuttlecock comprising a resilient head of a truncated spheroidal shape and having a circular rim disposed adjacent its flattened portion, a flared crown for the head extending upwardly therefrom and comprising a plurality of feathers, shafts on the feathers embedded in the flattened portion of the head and spaced equidistant from the rim, and an adhesively treated compression band encircling the feathers adjacent the flattened portion of the head and adapted to be moved vertcially to regulate the flare of the crown.

2,153,252

VARIABLE SPEED ELECTRICAL APPARATUS AND CONTROL THEREFOR

William P. Hunsdorf, Cleveland, Ohio

Application August 19, 1936, Serial No. 96,857
11 Claims. (Cl. 172—239)



4. A single phase induction motor having in combination, a revolving field member and a revolving armature member in concentric rotatable relation, main field coils and starting field coils on said field member, separate circuits for said field and starting coils, a centrifugal switch member for disconnecting said starting coil, a latch element for holding said centrifugal member out of action, and current actuated means for releasing said latch member.

2,153,253

NEEDLE ADAPTER

Maxwell Hurston, Washington, D. C.

Application April 11, 1936, Serial No. 73,951
5 Claims. (Cl. 128—275)



1. A holder for a hollow needle adapted to embrace selectively differently dimensioned receptacles for a fluid passing through said needle comprising an arm member, a pair of arcuate resilient clips for engaging the external lateral surface of said receptacle at opposite sides thereof extending laterally from the lower portion of said arm member, the upper portion of said arm member terminating in a rest at the upper end of said holder and mounted over the upper edge of said receptacle, and a retaining member for the hollow needle forming an extension of said rest and adapted to overlie the interior of said receptacle, said rest and resilient clips constituting the sole means of engagement of the holder onto the receptacle.

2.153,254

METHOD AND MEANS OF MEASURING FLUID FLOW

Mordica O. Johnston and Christian W. Savitz, Glendale, Calif.; said Savitz assignor to said Johnston

Application November 20, 1936, Serial No. 111,922
4 Claims. (Cl. 73—51)



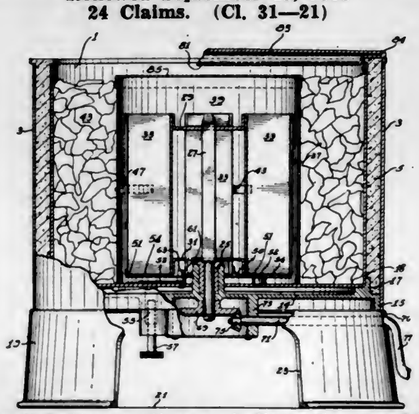
1. A device for detecting the flow of fluid within a conduit by the sound vibrations set up by the fluid as it flows through the conduit which comprises a dome member, means for detachably securing said dome member over the opened end of the conduit, a fluid vent formed through the wall of said dome, a microphone mounted within the dome and disposed in the path of travel of sound waves propagated by said sound vibrations whereby electrical sound impulses will be created within the microphone, means for electrically amplifying said impulses, a stylus, actuating means therefor responsive to said amplified electrical impulses, a recording ribbon upon which a graph may be marked by said stylus, and means for moving said recording ribbon with relation to the stylus at a uniform rate of speed.

2,153,255

BUTTER DISPENSING DEVICE

Frank W. Knott, Detroit, Mich., assignor, by mesne assignments, to National Sanitary Butter Dispenser, Inc., a corporation of Michigan

Application February 6, 1936, Serial No. 62,577
Renewed September 19, 1938
24 Claims. (Cl. 31—21)



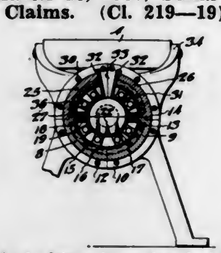
1. A butter cutting and dispensing machine comprising revolvable means for carrying a large piece of butter, means for determining the protrusion of the butter carried by said revolvable means, and butter cutting means disposed adjacent the path of movement of said revolvable means for cutting off a pat of butter from the protruded portion of the large piece of butter as it is carried by said revolvable means.

2,153,256

ELECTRIC BAKING IRON

Max Kovensky, Miami, Fla.

Application March 18, 1937, Serial No. 131,729
3 Claims. (Cl. 219—19)



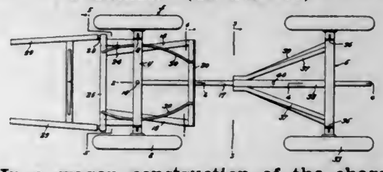
1. An electric baking iron for baking a dough mixture around a frankfurter sausage comprising, upper and lower mold and baking members each provided with mating substantially semi-cylindrical recesses to provide a substantially cylindrical mold and baking recess of greater length and diameter than a sausage when the two members are fitted together, a supporting structure by which the lower member is mounted with its line of division in substantially a horizontal plane, hinge means by which the upper member is hingedly and swingably connected at one end upon the lower member, and a plurality of laterally spaced rows of supporting members within the recess of the lower member upstanding in substantially perpendicular relation with respect to the plane of separation of the two members and from the bottom of the recess to cradle and support and hold a frankfurter sausage against lateral shifting without penetration of the casing thereof and thus substantially center the frankfurter sausage within the baking recess, said upper member having a trough formation and opening at the top thereof through which dough can be poured to flow into the recess to fill on all sides around and encase the frankfurter sausage as thus supported and said supports due to lack of penetration of the casing of the frankfurter sausage permitting retention of moisture and juices therein and by reason of their perpendicular arrangement allowing removal of the baked product without tearing or breaking the dough around the supports.

2,153,257

WAGON

William E. Kudrna, Bunnell, Fla.

Application June 26, 1937, Serial No. 150,613
3 Claims. (Cl. 280—80)



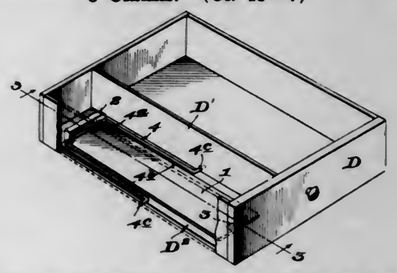
1. In a wagon construction of the character described, a gear assembly constructed of metal with the several metallic elements entering into the construction thereof being welded together at the joints therebetween, and said gear assembly including a wheel supported axle, web plates rising from the ends and intermediate portions of the axle and a bolster fixedly supported on the upper ends of said web plates above said axle, said end web plates including flanges positioned crosswise of the ends of the bolster and secured thereto to form abutments for each end of the bolster.

2,153,258

COMBINED TIE RACK AND DRAWER

Joseph H. Lane, Chattanooga, Tenn., assignor to Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee

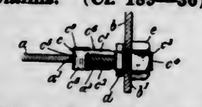
Application August 26, 1938, Serial No. 227,003
8 Claims. (Cl. 45—7)



1. In combination, a drawer, a tie-rack normally lying within the drawer, a handle at the front end of said tie-rack, a tie-supporting bar

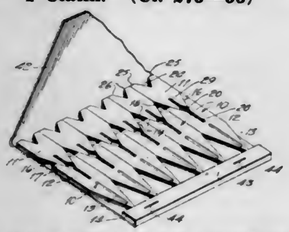
adjacent the opposite end of said tie-rack; and a U-shaped bail connecting the tie-rack and drawer permitting the tie-rack to be swung upwardly and outwardly of the drawer.

2,153,259
SECURING MEANS
Frederick Arthur Manning, London, England
Application June 9, 1938, Serial No. 212,826
In Great Britain June 14, 1937
7 Claims. (Cl. 189—36)



1. In combination, structural members located edge to side, one of which members constituting the edge member having a hole spaced apart from its edge leaving a fillet at the edge, the other member constituting the side member having a hole formed therein, a two-part bolt having one part adapted to fit at each side of the said fillet and to engage in the hole in the edge member, means for attaching said bolt parts together on the edge member in a position in which it projects therefrom, said projecting part of the bolt passing through the hole in the side member and means for securing said side member to the bolt.

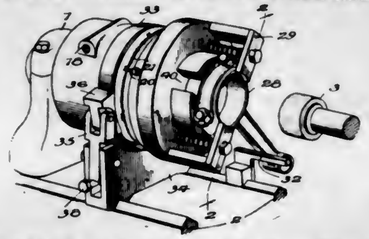
2,153,260
GOLF TEE
Edward Mayl, Suitland, Md.
Application September 16, 1937, Serial No. 164,251
1 Claim. (Cl. 273—33)



A blank for a golf ball tee comprising a strip of stiff cardboard-like material having a base portion, a tee forming section attached to the upper edge of the base, said tee forming section having an elongated V-shaped lower ground engaging portion formed by side edges converging to a blunt point, the pointed end forming the connection with the base, and a second tee forming section attached to the first section by weakened lines, the two sections having slots constructed and arranged for cruciform engagement of the sections with each other, said pointed portion having a reinforcing rib struck from the material of the section and extending longitudinally of the median line of the pointed portion.

2,153,261
WORK HOLDER FOR GRINDING MACHINES
William M. McAfee, Richmond, Va., assignor of one-half to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application June 14, 1938, Serial No. 213,667
9 Claims. (Cl. 51—237)

1. In a grinding machine, a rotatable driving member, a member secured to said driving member for rotation therewith and having a surface eccentric with respect to the axis of rotation of said driving member, a work-holder-supporting member, carried by the member secured to said driving member, said work-holder-supporting member having an eccentrically positioned bore, a work-holder member mounted within said bore,



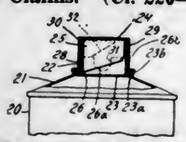
and means for preventing rotation of said work-holder member with said work-holder-supporting member whereby a gyratory motion will be imparted to the work-holder member and the work carried thereby upon rotation of the driving member.

2,153,262
EXTENSION TABLE
Thurlow E. McFall, Sparta, Mich., assignor to Michigan Artcraft Company, Sparta, Mich., a corporation of Michigan
Application April 20, 1938, Serial No. 203,088
8 Claims. (Cl. 311—67)



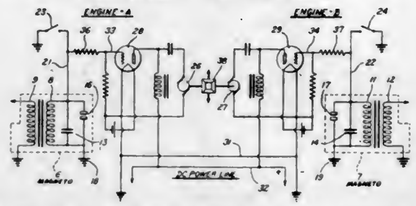
1. In a table, two extensible frame sections having supporting legs at their outer portions, a top member permanently secured over one of said sections, a second narrow top member movably mounted with respect to the second section and adapted to be moved to the outer portion thereof when the extensible sections are brought together, or inwardly against the edge of the permanent top member when said sections are extended, and a third top member hingedly connected to the narrow top member and movable therewith and adapted to be swung in one position to cover both of the other top members, or at the other position to lie in the same horizontal plane therewith and be supported by the second of said extensible frame sections, as specified.

2,153,263
CONTAINER
Joseph F. Martter and Perry F. Martter, Los Angeles, Calif.
Application May 11, 1937, Serial No. 141,908
6 Claims. (Cl. 220—48)



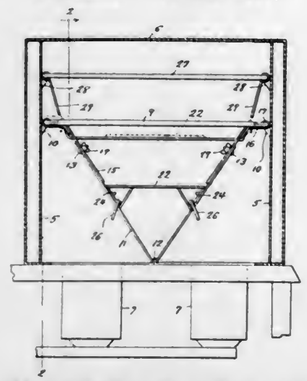
1. A container comprising a body, an end secured thereto, the end having an aperture, a neck in the aperture, a seal closing the aperture, a cap mounted within the neck and provided with an inwardly projecting sleeve having a cutting edge, the cap being movable in the neck to force said cutting edge through the seal, and a removable collar on the sleeve and engaging the neck for maintaining the cap with the sleeve out of contact with the seal.

2,153,264
SYNCHRONIZATION INDICATOR FOR INTERNAL COMBUSTION ENGINES
Charles I. McNeil, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 1, 1935, Serial No. 43,105
2 Claims. (Cl. 177—311)



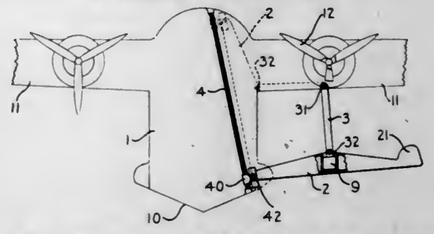
1. In a system for indicating synchronism of a pair of internal combustion engines, each having a magneto with engine driven breaker points constituting a part thereof, a vacuum tube corresponding to each of said magnetos, each vacuum tube having its grid circuit alternately energized and de-energized by the opening and closing of the breaker points of its corresponding magneto to cause a pulsating current in its plate circuit, a pair of transformers to change said pulsating currents to alternating currents, a pair of synchronous motors operated by said alternating currents, and differential means connecting said motors whereby an indication of the difference in frequency of interruption and hence of the speed of said engines is given.

2,153,265
OVEN HEAT REGULATOR
Robert E. Meeks, Gatesville, Tex.
Application November 29, 1937, Serial No. 177,113
5 Claims. (Cl. 126—337)



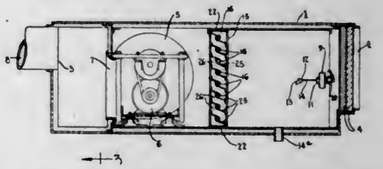
2. A heat regulator for ovens comprising a pair of upwardly diverged wall structures, an article supporting grating at the top of the wall structures, said wall structures being provided with hot air openings therein, and dampers on the walls for closing the said openings, said openings being formed by striking out the wall structures to define prop members, said prop members in turn defining crotches in which the said dampers are operative, said props being upwardly disposed, and a plate adapted to be supported by the said props.

2,153,266
RETRACTABLE HYDROSTABILIZER FOR AIRPLANES
Robert J. Minshall and Edward C. Wells, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application August 3, 1937, Serial No. 157,122
5 Claims. (Cl. 244—102)



1. In combination with an airplane having a recessed hull formed to float upon the water, and having a wing projecting from the hull, above the water, a hydrostabilizer projecting laterally from the hull adjacent the water line, strut means secured at its upper end to the wing upon a longitudinal pivotal axis, and pivotally secured at its lower end to the hydrostabilizer, and means to move the inboard end of the hydrostabilizer upward, thereby to swing the hydrostabilizer into an upright position within the hull recess, the several parts being so proportioned and organized as to swing the strut means, by such movement of the hydrostabilizer, into substantial coincidence with the wing.

2,153,267
AIR CONDITIONING APPARATUS
Clark T. Morse, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application April 9, 1936, Serial No. 73,580
4 Claims. (Cl. 257—67)



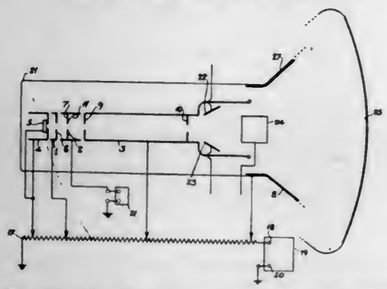
1. In an extended-surface heat exchanger, a tube of heat conducting material for tempering the air and extending in a substantially horizontal direction and transverse to the direction of air flow, a plate member providing extended surface and having a longitudinally extending stepped portion conforming to the surface of said tube and secured in intimate heat transfer relation to said tube, said plate member being inclined to the path of air flow so that moisture entrained in the air to be heated will strike and be deposited upon said plate member upon deflection of the air stream by said plate member, said tube being spaced from the discharge edge of said plate member so that moisture deposited on said plate member may if unevaporated flow downward into the higher heat zone of said tube thereby increasing evaporation of the deposited moisture.

2,153,268
WELL TOOL
Glen H. Neighbors, Shreveport, La.
Application September 22, 1938, Serial No. 231,259
2 Claims. (Cl. 166—2)



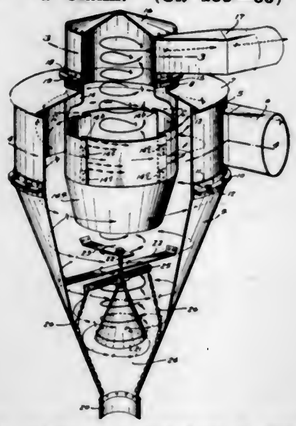
1. A device of the character described, comprising, a mandrel equipped with slips adapted to engage the inner wall of a tubing and secure said mandrel fixed thereto, a bored barrel slidably mounted in said mandrel and fashioned with ports adapted for effecting communication between said tubing and the bore of said barrel subjacent said mandrel, said barrel provided with a section subjacent said ports, sealing elements carried by said section and adapted for engagement with said tubing whereby to effect flow of fluid through said section and through said ports, means connected to said barrel for moving the latter relative to said mandrel for disposing said ports within said mandrel, and a shear pin securing said mandrel to said barrel whereby to maintain said ports spaced below said mandrel.

2,153,269
CATHODE RAY TUBE
Frederick Hermes Nicoll, Ickenham, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 25, 1936, Serial No. 65,593
In Great Britain February 25, 1935
20 Claims. (Cl. 250—27)



1. An electric circuit comprising a cathode ray tube of the hard type, having arranged within its envelope in the order mentioned and in register with each other, a cathode, a first accelerator, a decelerator having an apertured diaphragm, second accelerator and a screen, the apertured diaphragm in said decelerator having a surface of dished shape with its concave side turned towards said screen, and means for applying to said accelerators potentials positive with respect to the cathode potential and to said decelerator a potential approximately equal to the potential of said cathode.

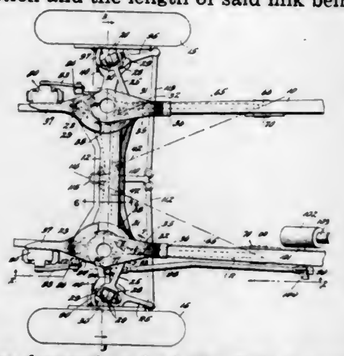
2,153,270
DUST COLLECTOR
Arthur B. Osgood, Minneapolis, Minn.
Application April 21, 1938, Serial No. 203,278
1 Claim. (Cl. 183—83)



A dust collector comprising a casing having annularly spaced inner and outer cylindrical walls connected by a substantially horizontal cover or top wall and providing therebetween an unrestricted annular passageway, said inner and outer walls being formed adjacent said top wall with tangentially disposed discharge and inlet openings respectively which openings communicate with said annular space to discharge therewithin in the same direction, said outer wall having a constricted lower dust receiving portion depending below the lower open end of said inner cylindrical wall whereby to provide an air outlet stack centrally through said casing, and said stack being provided with a dome the side wall of which is a substantial continuation thereof above said top wall and having a tangential outlet leading therefrom over said top wall to cooperate with said tangential inlet in causing air under treatment to whirl violently through said annular air passage and also throughout said central outlet stack, whereby dust entrained with the air in said central stack will be thrown against the inner wall of said stack and expelled therethrough into the whirling incoming air stream in said annular passageway for further separation therefrom.

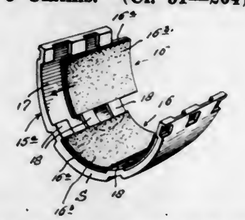
2,153,271
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor, by mesne assignments, to Robert C. Watson and Jennings Bailey, Jr., trustees, both of Washington, D. C.
Application December 15, 1933, Serial No. 702,615
13 Claims. (Cl. 280—95)

12. In a motor vehicle, the combination with a vehicle frame, of a pair of steerable road wheel assemblies disposed at opposite sides of and adjacent one end of the frame, means supporting said wheel assemblies for independent substantially vertical movement in separate arcuate paths, a longitudinally extending steering drag link having an operative connection adjacent the forward end thereof with one of said wheel assemblies, an operating member for said drag link, and an articulated connection between said member and said link adjacent the rearward end of the latter, the location of said articulated connection and the length of said link being such



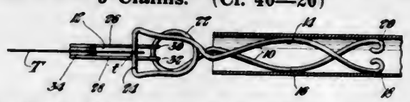
that the forward end of the link describes an arcuate path about the point of connection of the link and the said member conforming substantially to the arcuate movement of that part of the wheel assembly with which the link is connected.

2,153,272
ABRADING LINER
Frank Postma, Ridgewood, N. J.
Application August 18, 1938, Serial No. 225,617
5 Claims. (Cl. 51—204)



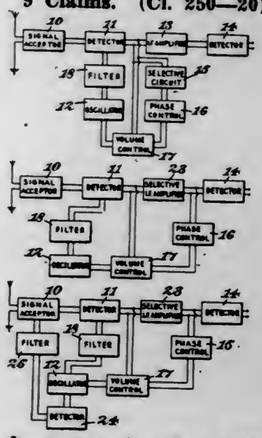
1. As a new article of manufacture, an abrading liner for engine crank shaft bearings, consisting of a pair of semi-cylindrical outer carrier shells of relatively stiff and strong sheet material adapted to seat against the bore of the bearing and having a series of transverse recesses on the inner face thereof, and a plurality of abrading elements, each removably disposed in one of said recesses and composed of a thin flexible member having an abrading inner surface.

2,153,273
TAG HOLDER
Norman F. Rearic, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application December 14, 1938, Serial No. 245,789
5 Claims. (Cl. 40—20)



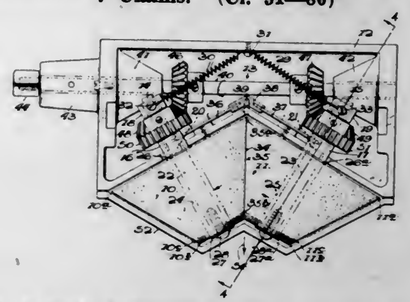
1. A tag holding device comprising oppositely disposed outwardly bowed legs, each having respective outwardly and inwardly curved bearing portions for engagement with inner opposite walls of a tube, a bridge portion forming a continuation of one of said legs, a spring portion connected therewith and forming a continuation of the other leg, and means pivotally mounted on said spring portion and provided with a tag engaging element effective to hold in a predetermined position relative to said legs, a tag whose eye is pierced by said bridge portion.

2,153,274
WIRELESS SIGNALING APPARATUS
James Robinson, London, England
Application November 16, 1936, Serial No. 111,166
In Great Britain November 22, 1935
9 Claims. (Cl. 250—20)



1. High frequency signaling apparatus comprising a frequency-changer having a thermionic valve detector and oscillator, to which detector wave-signals are applied, means for applying the beat frequency signals derived from the frequency-changer to the said oscillator in order to change the amplitude of the signal input to the said detector.

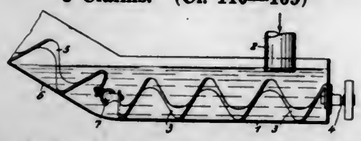
2,153,275
MACHINE FOR GRINDING OR SHARPENING EDGE TOOLS
Ernest G. Schulze, Jersey City, N. J.
Application December 14, 1936, Serial No. 115,839
7 Claims. (Cl. 51—80)



5. A knife sharpening device comprising two rotatable shafts disposed at an acute angle relative to each other, two rotatable members each provided with a peripheral abrasive surface arranged at an oblique angle relative to its axis of rotation, said members being mounted, one on each shaft, with their oblique peripheral surfaces in contact to form therebetween a continuous V-shaped throat which varies in cross-section from end to end to receive and abrade a knife blade passed through said throat in contact with

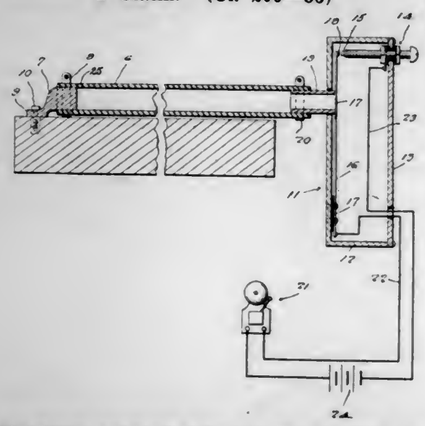
said members, and means for urging one shaft toward the other to maintain the rotatable members in contact.

2,153,276
DEVICE FOR REMOVING ASHES
Georg Schwabach, Berlin-Charlottenburg, Germany
Application July 24, 1936, Serial No. 92,331
In Germany July 29, 1935
3 Claims. (Cl. 110—165)



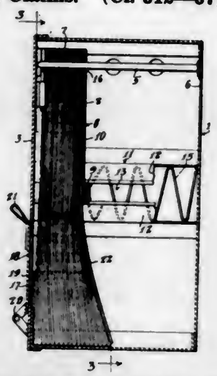
1. A device for quenching ashes, cinders, slag and the like discharged from a furnace comprising in combination a down-pipe, a trough disposed below said down-pipe, said trough being adapted to contain water and having a lower cylindrical portion, a horizontal conveyor worm in said trough with its blades contacting said cylindrical portion of the latter, said conveyor worm consisting of a twisted metal band devoid of any internal support, means to rotate said conveyor worm, and elevator means coupled to said worm to lift the ashes above the level of the water in said trough at a point out of the range of said down-pipe and then to discharge the ashes from said trough.

2,153,277
SAFETY SIGNALING MEANS
John M. Sharp, Columbus, Ohio
Application October 25, 1937, Serial No. 170,934
1 Claim. (Cl. 200—86)



Signaling apparatus for use on a vehicle ramp including a hose section having a closed end and anchored to said ramp to extend across the same for compression by a vehicle passing thereover to expel air therefrom out of the other end thereof, a nipple of rigid material secured in said other end of the hose section with one end extending from said section, a signal box adjacent said other end of the hose section having an aperture therein into which said extending end of the nipple projects, a fixed contact in said box, and a movable contact comprising a leaf spring fixed at one end in said box to be flexed into engagement with the fixed contact and having a diaphragm-like portion normally engaged with said extending end of the nipple and closing the same, whereby air issuing from said nipple flexes said movable contact.

2,153,278
TOWEL DISPENSING HOLDER
James H. Shelley, Los Angeles, Calif., assignor, by mesne assignments, to Protecto Products Co., Inc., a corporation of California
Application February 24, 1936, Serial No. 65,252
11 Claims. (Cl. 312—37)



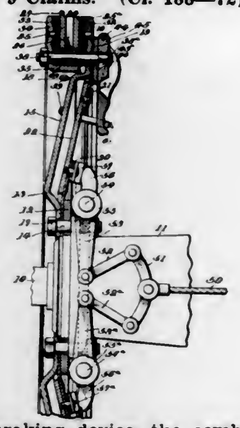
8. In a towel dispensing holder, the combination of a casing open at the front to receive a perforated pack of towels, supporting means for the pack including a supporting bar extending forwardly from the rear wall of the casing and projecting through the perforations of the pack, a pusher extending transversely within the casing, means for guiding the same on the side walls of the casing, means for forcing the pusher forwardly against the pack in front of it, a removable cover for the front of the casing having a delivery opening through which the towels may be removed one by one, and means extending down from the pusher for yieldingly engaging the lower portion of the pack for pressing the same forward, said last-named means including a leaf spring secured at its upper end to the pusher.

2,153,279
TOILET SEAT COVER DISPENSER
James H. Shelley, Los Angeles, Calif.
Application April 15, 1938, Serial No. 202,214
2 Claims. (Cl. 312—50)



1. In a toilet seat cover dispenser, the combination of a holder having a forward wall with an opening therein, a plurality of seat cover envelopes received in the said holder, disposed one behind the other, said envelopes having forward and rear walls with openings therein registering with the opening in the forward wall of the holder, said envelopes operating to carry packs of the seat covers accessible through the aligning openings, and cooperating with the holder so that when the seat covers in the foremost envelope have been withdrawn through the said forward opening in the holder, then the seat covers in the next adjacent envelope toward the rear can be removed by pulling the same through the aligning openings in the outermost envelope and through the said forward opening of the holder.

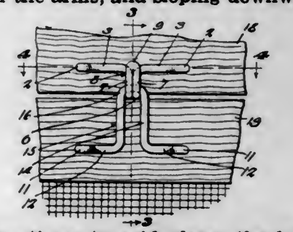
2,153,280
BRAKING DEVICE
Frederick L. Shelor, Sandston, Va., assignor to Innovation Brakes, Inc., Richmond, Va., a corporation of Virginia
Application November 2, 1936, Serial No. 108,876
9 Claims. (Cl. 188—72)



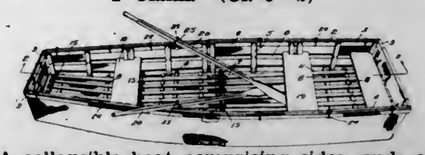
1. In a braking device, the combination of a rotatable member, a braking member connected to said rotatable member for rotation therewith, a plurality of non-rotating discs, flexible means connecting said discs and forming therebetween a chamber adapted to be placed under vacuum for causing relative movement of said discs, brake shoes disposed on opposite sides of said braking member, a lever mechanism connecting said brake shoes with said discs whereby to effect relative movement of said brake shoes into contact with said braking member when the chamber between said discs is placed under vacuum and mechanically actuated means connected to said discs for effecting relative movement of said brake shoes into contact with said braking member through said lever mechanism.

2,153,281
OUTSIDE WINDOW SCREEN HANGER
Ephraim K. Spyker, Sacramento, Calif.
Application December 12, 1936, Serial No. 115,592
1 Claim. (Cl. 16—172)

In a device for hanging window screens, an upstanding U-shaped eye and means for attaching it to a screen frame: and a hook engaged detachably with the eye, the hook being provided with oppositely-extended, horizontal, axially-alined arms supplied with means for attaching the hook to a window frame, the hook having an upwardly-convexed bend projecting upwardly above a horizontal plane coincident with the upper edges of the arms, and sloping downwardly in opposite directions, to said plane, the length of each arm being greater than the width of the eye.

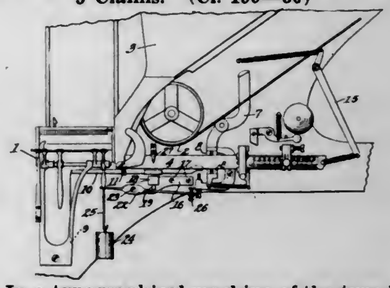


2,153,282
CONVERTIBLE ROWBOAT AND TENT
Roy W. St. Dennis, Millbrook, N. Y.
Application December 28, 1936, Serial No. 118,010
1 Claim. (Cl. 9—2)



A collapsible boat comprising sides, ends and a bottom each separable from one another, said side and ends having notches, projections formed on said sides and ends and extending into said notches, overlapping brackets secured to the sides and ends, substantially U-shaped clamps secured on said ends and overlying the notches of the ends to confine the projections of the sides therein, said sides including spaced strips, extensions formed on the bottom and fitting between said strips, tie rods connecting the sides and arranged adjacent the bottom, braces resting on said bottom and of skeleton formation, ribs for said sides and grouped in closely related pairs, projections on said braces and extending between the pairs of ribs, seats carried by said braces and notched to receive the ribs, separable fasteners connecting the braces to said sides, and a cover secured to said sides and ends and underlying the bottom, said fasteners of a ball and yieldable socket construction whereby to facilitate ready attachment and detachment of said cover relative to said sides, ends and bottom.

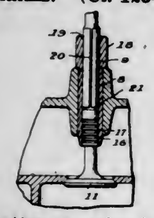
2,153,283
FRICTION APPLYING MEANS FOR TYPOGRAPHICAL MACHINE ASSEMBLER SLIDES
Irwin G. Stein, Columbus, Ohio
Application March 8, 1938, Serial No. 194,623
5 Claims. (Cl. 199—30)



1. In a typographical machine of the type having an assembler slide bar, lock means for pre-

venting retractive movement of the slide bar during the matrices assembling operation, and means for releasing said lock means, a shoe movably supported adjacent said slide bar, a lever pivoted intermediately of its ends adjacent the support for said shoe, and a weight provided at one end of said lever and operating to move said shoe into engagement with said slide bar, the opposite end of said lever being engaged by said lock releasing means to move said shoe away from said slide-bar upon the operation of releasing said lock means.

2,153,284
ENGINE VALVE
Frank Steiner, Hempstead, N. Y.
Refiled for abandoned application Serial No. 29,754, July 3, 1935. This application December 23, 1936, Serial No. 117,422
5 Claims. (Cl. 123—188)



1. In combination, a valve having a head and a stem, a seat for the head, a guide in which the stem is mounted for restricted sliding movement and a plurality of grooves and flanges formed on the valve stem adjacent said head and located thereon in position to be covered by the guide when the valve is seated and a predetermined number only exposed when the valve is opened.

2,153,285
MEANS FOR LAUNCHING TORPEDOES
John Edward Thornycroft, Westminster, England
Application June 8, 1938, Serial No. 212,562
In Great Britain March 26, 1938
10 Claims. (Cl. 114—18)



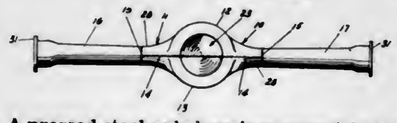
1. Means for launching torpedoes from a navigable surface water vessel, comprising a torpedo tube mounted on the deck of said vessel at a permanent angle to the centre line thereof with its forward end terminating at or near to the gunwale of said vessel and means associated with the forward end of said tube to extend beyond said gunwale whereby a torpedo launched from said tube will be supported during launching without coming into contact with the deck or side of said vessel.

2,153,286
PROCESS FOR PREPARING WETTING AGENTS AND DETERGENTS
William J. Sweeney, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1933, Serial No. 704,749
9 Claims. (Cl. 260—460)

8. Process for preparing wetting agents and detergents comprising cracking a paraffinic petroleum fraction selected from the group consisting of petrolatum and paraffin wax to provide a cracked fraction containing a mixture of olefines having more than 6 carbon atoms per molecule, reacting the said mixture of olefines with a strong inorganic polybasic acid, and neutralizing the resulting mixture of alkyl acid derivatives of said acid.

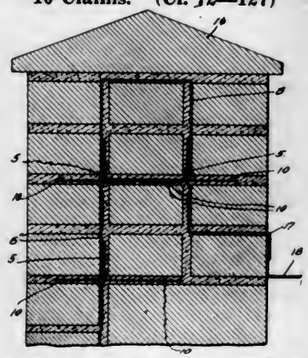
9. Process for preparing wetting agents and detergents comprising cracking a paraffinic petroleum fraction selected from the group consisting of petrolatum and paraffin wax to provide a cracked fraction containing a mixture of olefines having more than 6 carbon atoms per molecule, reacting said mixture of olefines with sulphuric acid, and neutralizing the resulting mixture of alkyl acid derivatives of said acid.

2,153,287
AXLE HOUSING
Robert H. Wallace and Ernest Riemenschneider, Lakewood, Ohio, assignors to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application February 27, 1936, Serial No. 66,081
3 Claims. (Cl. 74—607)



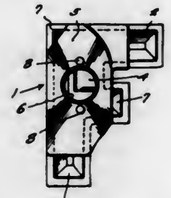
2. A pressed steel axle housing comprising a pair of complementary half shell stampings, said stampings being formed into substantially U-shaped cross section with an enlarged central part gradually tapering out at each end into a smaller arm of U-section, said stampings being butt-welded together along their longitudinal edges to form a central hollow banjo portion tapering down at opposite sides into short tubular oppositely extending arms with the seam extending longitudinally of the housing, said banjo portion having its rear side extended rearwardly to form a closed dome-shaped extension, and tubular extensions butt-welded to said short tubular arms to complete said housing and to form a pair of welds transversely of the welds securing the two stampings together, the axle housing being of uniform wall thickness from the banjo portion to and across the said butt-welds.

2,153,288
WATERPROOFING CONSTRUCTION FOR WALLS
Edward J. Walsh, Peekskill, N. Y.
Application August 30, 1938, Serial No. 227,574
10 Claims. (Cl. 72—127)



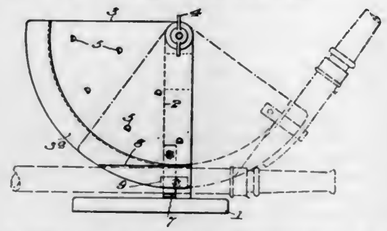
1. In a wall construction composed of an outer tier of facing units and a back-up wall construction therefor joined by mortar and having waterproof sheets arranged therein, waterproofing strips arranged in the mortar between the facing units and back-up wall construction and having overlapping relation with the waterproof sheets, and anchoring means secured on the waterproofing strips and embedded in the mortar to secure the waterproofing strips in place and aid in tying the units and back-up wall construction together.

2,153,289
BRANDING IRON
Walter S. Wyman, Meeker, Colo.
Application November 29, 1937, Serial No. 177,119
1 Claim. (Cl. 158—14)



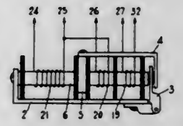
A branding iron of the class described comprising a hollow base part made in the form of the character or design to be branded, a solid branding part formed integrally on the front of the base part and having a narrow front edge, the walls of the hollow base part sloping outwardly and rearwardly from the front wall to which the branding part is connected, a rearwardly extending cover part having its edges connected to the rear edges of such walls, said cover part terminating short of the ends of the hollow base part to leave portions of the hollow portion of the base part exposed to provide outlet openings, said cover part having an approximately centrally arranged opening therein with the cover part sloping outwardly from its edges to said opening therein, said last-mentioned opening being adapted to receive the outlet end of a torch, said cover part and the hollow portion of the base part forming a combustion chamber and the exposed ends of the hollow portion forming outlets for the products of combustion, and means for attaching the iron to the outlet end of said torch.

2,153,290
GARDEN HOSE HOLDER
George Ansorge, Kew Gardens, N. Y.
Application July 25, 1936, Serial No. 92,470
5 Claims. (Cl. 248—82)



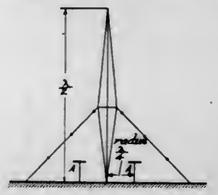
1. A garden hose holder comprising, a base, an upstanding bracket secured to said base, an element having a curved peripheral channel, said element being mounted on said bracket and adapted for arcuate movement, a finger extending across the open portion of said channel adjacent one end thereof, part of the channel wall adjacent said finger being cut away to permit the insertion of a hose between the finger and the channel base and between the holder base and the channel base when said element is in loading position, and the remainder of the channel being adapted to form with the holder base a partly closed space for retaining the hose when the channel is in operating position.

2,153,291
ELECTROMAGNETIC RELAY
Pier Bakker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 14, 1936, Serial No. 79,637
7 Claims. (Cl. 175—320)



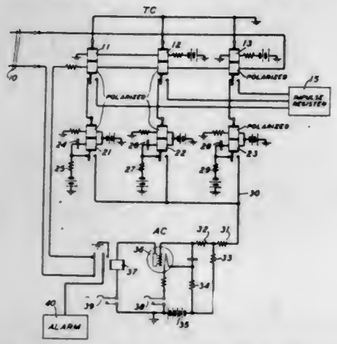
1. An electro-polarized relay having a core and an armature actuatable when the core is sufficiently energized, contact springs actuatable by said armature when it is attracted to the core, a polarizing winding, an operating winding, and a holding winding, all on said core, said armature being non-responsive to energization of said polarizing winding alone, but responsive to simultaneous energization of the polarizing winding and the operating winding to actuate said contact springs, and circuit connections rendered effective upon the actuation of said contact springs for energizing the holding winding in a direction to aid in holding the armature actuated.

2,153,292
ANTENNA
Walter Berndt, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 18, 1936, Serial No. 91,265
In Germany August 19, 1935
3 Claims. (Cl. 250—33)



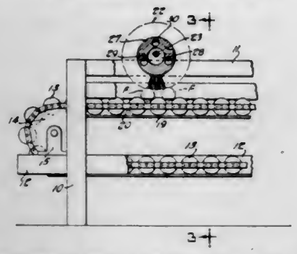
1. An antenna system having, in combination, a vertical radiating element whose length is approximately one-half the length of the communication wave, and means for energizing said element whereby there is produced a traveling wave component therein, and means comprising another radiating element for producing a radiation field which is maximum at zero degrees and substantially zero at 90° with respect to the horizontal, which combines with the radiation from said vertical radiating element to compensate for the distortion of the vertical radiation pattern by said traveling wave component.

2,153,293
SIGNALING SYSTEM
Frank E. Blount, Cedar Grove, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 17, 1937, Serial No. 137,436
9 Claims. (Cl. 179—175.2)



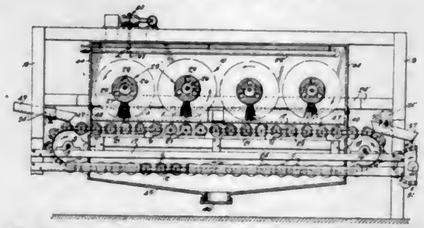
1. In combination, an impulse receiving relay, a test relay operated upon receipt of an impulse by said impulse relay and adapted to remain operated for a predetermined interval of time, a three-element gas-filled tube, circuit means comprising contacts of said relays for initiating the energization of said tube when an impulse received by said impulse relay is shorter than said predetermined interval, and a relay connected in the anode circuit of said tube.

2,153,294
BRUSHING DEVICE
Ronald R. Brogden, Orlando, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida
Application March 21, 1936, Serial No. 70,127
13 Claims. (Cl. 15—181)



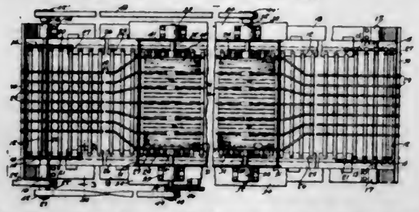
1. A brushing device of the character described comprising the combination, with a rotary cylindrical brush roll having a rigid core, of means for maintaining and positively driving said brush roll with its axis of rotation substantially horizontal while permitting free vertical movement of said roll within predetermined limits, said means comprising a horizontally mounted driving shaft, and a plurality of coupling members rigidly mounted on said shaft in spaced relation thereto for rotation therewith, said coupling members entering loosely into a corresponding plurality of cooperating sockets with which the brush roll core is provided, said sockets laterally surrounding and confining the respective coupling members therewithin for continuous positive driving engagement with said core while permitting the aforesaid vertical movement of said roll.

2,153,295
MACHINE FOR BRUSHING AND OTHERWISE TREATING FRUIT AND OTHER ARTICLES
Ronald R. Brogden, Orlando, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida
Application March 21, 1936, Serial No. 70,128
22 Claims. (Cl. 91—39)



18. In a fruit brushing machine, in combination, means for advancing fruit from the introductory end toward the discharge end of the machine along a predetermined path, a brush roll located above the fruit path, and means for rotatably driving the brush roll including a plurality of rigid coupling elements each engaging said roll, the brush roll being mounted to yield upwardly relative to the drive means and the fruit advancing means in response to upward pressure of the fruit.

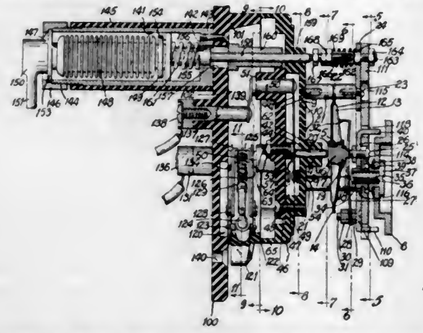
2,153,296
MACHINE FOR TREATING EGGS
Ronald R. Brogden, Orlando, Fla., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida
Application March 21, 1936, Serial No. 70,129
30 Claims. (Cl. 91—39)



24. Brushing apparatus comprising a brushing unit, means for supporting and rotating the unit, an associated conveyor traveling beneath the unit and means for guiding articles on the conveyor along a predetermined path into brushing engagement with the brushing unit, said unit comprising an axial series of brushing sections in register with said path, each section being separately yieldable upwardly when subjected to upward pressure by an article on the conveyor engaging said section.

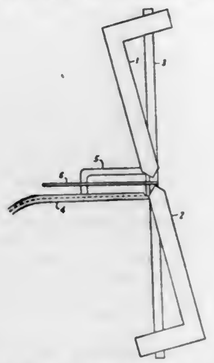
2,153,297
THERMOSTATIC CONTROL
Benjamin J. Butler, Attleboro, Mass., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application May 4, 1936, Serial No. 77,706
4 Claims. (Cl. 200—83)

2. An electrical control comprising a snap-acting disc, means supporting said disc at the periphery thereof leaving the central portion of said disc free to snap, stationary contact means, movable contact means operated by the central portion of said disc arranged to cooperate with said stationary contact means, means abutting the central portion of said disc to limit the amplitude of movement thereof, a resilient lever having one of its ends bearing upon said disc between the said central and peripheral portions thereof, and its other end relatively fixedly



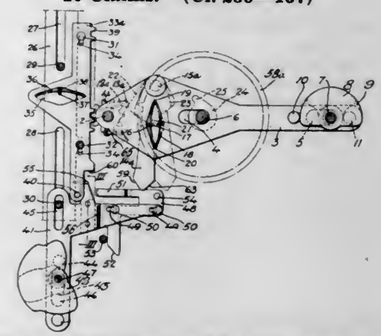
mounted, said lever controlling the tendency of said disc to snap, and pressure-responsive means arranged to apply force to an intermediate portion of said lever, and through said lever to the central portion of said disc, said pressure-responsive means including lost-motion means whereby the pressure is ineffective until it reaches a predetermined value.

2,153,298
AERIAL
Edward Cecil Cork, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a British company
Application November 21, 1936, Serial No. 112,024
In Great Britain November 30, 1935
4 Claims. (Cl. 250—33)



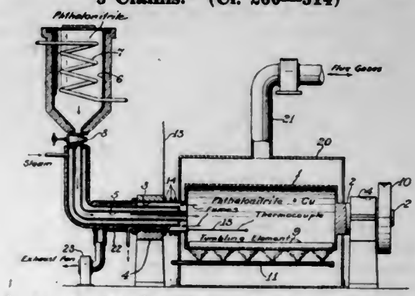
1. A short wave aerial for the reception of a carrier wave and a wide range of side band frequencies, comprising a conductor the physical length of which is approximately equal to a half wavelength of the carrier frequency and a feeder system coupled to the midpoint of said conductor, said conductor being so constructed and arranged that its overall length is less than that of a half wavelength of the carrier frequency, the surface area of said conductor being relatively large compared to a straight aerial of the same physical dimensions, whereby the selectivity that would otherwise be produced by the arrangement of the conductor is substantially counteracted, said surface area being so arranged that the distributed capacity of the aerial increases toward the ends of said conductor.

2,153,299
TENS TRANSMITTING DEVICE FOR CALCULATING MACHINES AND THE LIKE
Tord Olof Rickard Dahlberg, Stockholm, Sweden, assignor to Kooperativa Förbundet Forening u. p. a., Stockholm, Sweden
Application May 7, 1936, Serial No. 78,353
In Sweden May 22, 1935
10 Claims. (Cl. 235—137)



1. In a calculating machine, the combination with setting members, a totalizing shaft, totalizing wheels rotatable on said shaft, and means for reciprocating said shaft and totalizer wheels substantially at right angles to the longitudinal axis of said shaft into operative and non-operative positions with respect to said setting members, of a reciprocating tens transporter for one denomination, a cam on the totalizer wheel of the next lower denomination to correspond with the highest denominational number on the wheel, and a guide member adjustable into operative position by said cam to guide said tens transporter of the next higher denominational order during its movement in one direction into a position for cooperative engagement with the corresponding setting member, said guide member being arranged to be adjustable by said totalizer wheel into operative and inoperative position of the latter with respect to the setting members.

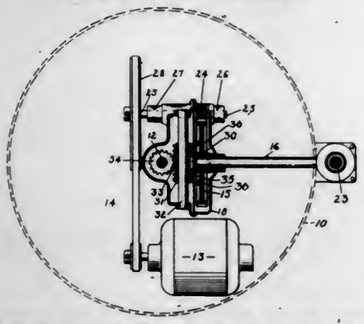
2,153,300
MANUFACTURE OF METAL-PHTHALOCYANINES
Miles A. Dahlen and Stanley R. Detrick, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 5, 1937, Serial No. 129,287
3 Claims. (Cl. 260—314)



1. A process for the manufacture of copper

phthalocyanine which comprises heating together phthalonitrile and copper in a quantity so limited as to avoid the development of a temperature above 250° C., then adding another quantity of phthalonitrile, likewise avoiding the development of a temperature above 250° C. and repeating the cycle until the apparatus is substantially full of reacting materials to its optimum capacity, then baking the entire mass at a temperature between 220° and 250° C. and recovering the reaction mass.

2,153,301
WASHING MACHINE DRIVE MECHANISM
Vernon E. Dunn, Fairfield, Iowa
Application March 15, 1935, Serial No. 11,187
Renewed August 25, 1938
5 Claims. (Cl. 74—78)



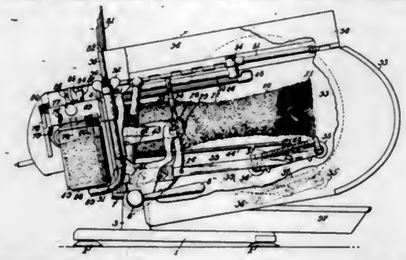
1. Means for oscillating a washing machine dolly, said dolly having a vertical shaft and a drive pinion on said shaft, said means comprising a round bar mounted horizontally, a member slidable on said bar, rack teeth on said member engaging said pinion, a disc mounted for rotation and faced toward a side of said member, inter-engaging means between said disc and said member for effecting reciprocation of said member by rotation of said disc, said disc and member having mutually contactable portions preventing any substantial pivoting in either direction of said member on said bar.

2,153,302
SAPONIFICATION OF OXIDIZED HYDROCARBONS
Frederick J. Ewing, Pasadena, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 4, 1937, Serial No. 119,003
11 Claims. (Cl. 260—452)

1. In a process for treating products of liquid phase oxidation of hydrocarbons the steps of separately removing easily saponifiable compounds consisting of the carboxylic acids and the easily saponified lactones present in said products of oxidation and treating the remaining products of oxidation with alcoholic alkali solution to recover therefrom an acidic fraction having a high ratio of acid number to saponification value.

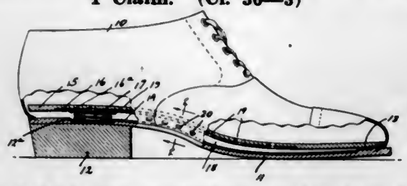
2,153,303
DISHWASHING APPARATUS
George Thomas Fielding, Stamford, Conn.
Application June 27, 1934, Serial No. 732,697
16 Claims. (Cl. 15—74)

1. A dish washing device comprising, in combination, a pair of rotary bristle scrubbing brushes mounted in substantially the same plane and in substantially parallel relation with the peripheries of said brushes in contiguous relation, the bristles of said brushes being more dense at one end than at the other, and means for rotatably supporting the article to be cleansed



between said brushes in a position to have a denser portion of the brushes engaging on one side of substantially the center of said article and the less dense portion engaging the other side to cause one portion of the brushes to impart a rotative movement to the articles while the other portion of the brushes retard said rotative movement.

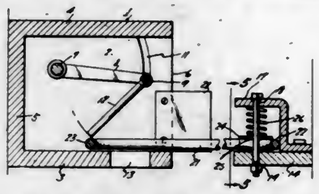
2,153,304
SHOE
John Gruber, New York, N. Y.
Application February 8, 1937, Serial No. 124,653
1 Claim. (Cl. 36—3)



In a shoe, the combination of an outer sole having a depression on the inner face of the heel end thereof, a metal reinforcing plate extending over and embedded in the inner face of said outer sole, said metal plate having a depressed portion engaging said depression in said outer sole, a leather insole, a metal reinforcing plate extending over and embedded in the inner face of said insole, a coil spring bearing with its lower end in said depressed portion of said first named metal plate and means on the inner face of said second reinforcing plate to engage the upper end of said spring, said insole and its reinforcing plate being perforated to form air vents, and said coil spring being adapted to yieldingly support said insole and its reinforcing plate at an elevation from said outer sole to form an air channel.

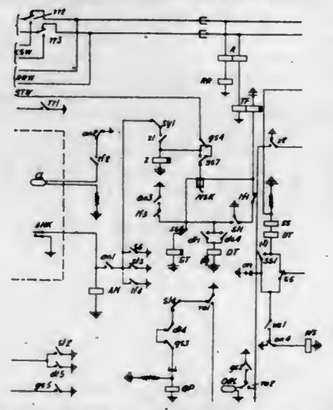
2,153,305
CAR COUPLING
John Gumkowski, Johnston City, Ill., assignor of one-half to Michael Shannon, Johnston City, Ill.
Application May 17, 1937, Serial No. 143,093
2 Claims. (Cl. 213—205)

1. In a car coupling assembly of the kind described, a base plate for mounting upon an end of a car, an angular bracket having a foot portion secured to the base plate and having an arm extended outwardly therefrom and in parallelism with the base plate, an elongated open coupling link having one end positioned between the base plate and the said arm, a flat spring-supporting loop embracing this end of the coupling link, a bolt passed through the bracket arm, through the flat spring-supporting loop of the underlying end of the coupling link and through the base plate, and an expansion coil spring seat-



ed over the bolt and braced at its ends between the bracket arm and the upper side of the spring-supporting loop, whereby the coupling link is maintained in a substantially horizontal alignment for engaging at its free open end a co-operating coupling assembly at the end of an adjacent car.

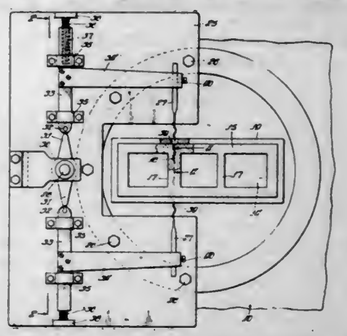
2,153,306
TELEPHONE SYSTEM
Bernard Anthony Hensler, London, England, assignor to Siemens Brothers & Company Limited, London, England
Application August 17, 1935, Serial No. 36,703
In Great Britain August 22, 1934
14 Claims. (Cl. 179—18)



1. In a telephone system, selecting switches, a marking device for each switch register senders, means for transmitting digits to a plurality of registers in turn, means for subsequently connecting the selector switches for use and for connecting the registers to the marking devices of the selectors, each register having means for transferring its setting in code to a marking device, each device effecting marking connections for setting its selector switch in accordance with the received code.

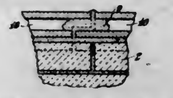
2,153,307
TILE MAKING MACHINE
Henry Jansen, Chicago, Ill., assignor to Janline Tile Company, Inc., Chicago, Ill., a corporation of Illinois
Application April 1, 1937, Serial No. 134,315
8 Claims. (Cl. 25—20)

1. A device for forming a plurality of longitudinally aligned recesses in a moving block of plastic material, said device comprising an elongated bar or plate reciprocally movable into and out of the path of said block and having its opposite edges so positioned as to be intersected



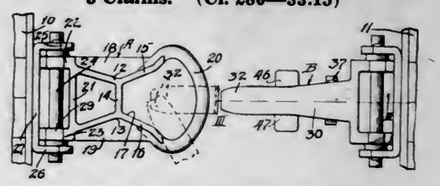
throughout their length by a plane parallel to said path, and mechanism operable to reciprocally move the bar into and out of engagement with the block.

2,153,308
COPING
Charles H. Miller, Shaker Heights, Ohio, assignor to Universal Sewer Pipe Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1937, Serial No. 175,291
4 Claims. (Cl. 72—88)



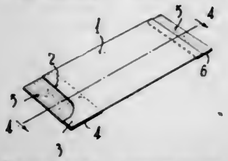
1. A coping section having a portion of generally channel-shape adapted to embrace the edge of a wall, the inner faces of the flanges of said channel-shaped portion converging in a direction away from the web thereof.

2,153,309
VEHICLE COUPLING
Harold E. Milz, Chicago, and Lawrence J. Kline, La Grange, Ill., assignors to The Mercury Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1937, Serial No. 143,882
3 Claims. (Cl. 280—33.15)



3. A coupling for connecting two vehicles in end-to-end relation, said coupling comprising a draw-bar on each vehicle and pivotally connected thereto, respectively, and cooperable latching means carried by said bars and at the free ends thereof and supported disposed normally positioned below a plane passing through the centers of said pivotal connections of said bars, said latching means being arranged to so coact when the bars are brought into end-to-end relation for coupling as to impose forces on said bars tending to swing said bars in a downward direction only.

2,153,310
PACKAGE SEAL AND LABEL
Claude Newman, Lincoln, Nebr., assignor to American Seal Company, Lincoln, Nebr., a corporation of Nebraska
Application December 6, 1937, Serial No. 178,402
2 Claims. (Cl. 24—17)



1. A package seal comprising an elongated sheet of rectangular form having a transverse zone of non-drying adhesive at one end, the other end of the sheet being cut away on a transverse line extending partly across the same to provide a notch and a corner portion forming a tab, and a strip coated with non-drying adhesive applied to one face of the sheet at the notched end and extending transversely entirely across the same, whereby the adhesive is exposed through said notch, but covered at the corner by said tab.

2,153,311
PROCESS FOR PREPARING 2-KETO-ALDONIC ACIDS AND THEIR SALTS
Richard Pasternack, Brooklyn, N. Y., and Peter P. Regna, North Bergen, N. J., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application September 1, 1938, Serial No. 227,964
7 Claims. (Cl. 260—535)

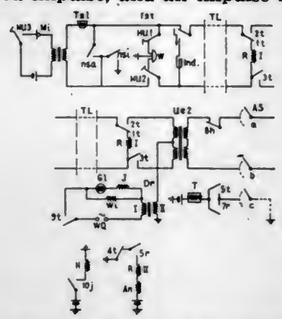
1. Process which comprises oxidizing with chromic acid a substance selected from the group consisting of aldonic acids and their salts.

2,153,312
PROCESS FOR THE PREPARATION OF ISODIBENZANTHRONE
Melvin A. Perkins, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1938, Serial No. 203,826
3 Claims. (Cl. 260—358)

1. In the process for preparing isodibenzanthrone from compounds of the class consisting of Bz-1,Bz-1'-dibenzanthronyl selenide and Bz-1,Bz-1'-dibenzanthronyl sulfide wherein the selenide and sulfide are prepared in alcoholic medium, the step which comprises fusing the dibenzanthronyl selenide or sulfide with caustic alkali in the same alcohol medium in which it has been formed, without removal of the impurities which are present, prior to the alkali fusion.

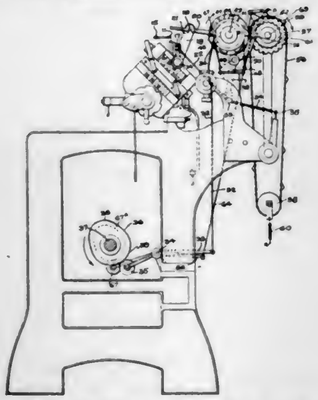
2,153,313
AUTOMATIC TELEPHONE SYSTEM
Rudolf Pfannschmidt, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application April 27, 1936, Serial No. 76,663
In Germany April 30, 1935
12 Claims. (Cl. 179—16)

1. In a repeating system, a line, means for transmitting impulses over said line, a local circuit including a source of alternating current, a transformer having its secondary winding connected to said line and its primary winding included in said local circuit for varying the impedance of the local circuit in response to each transmitted impulse, and an impulse responding



relay also included in said local circuit operated each time the impedance thereof is varied by said impulse transmission.

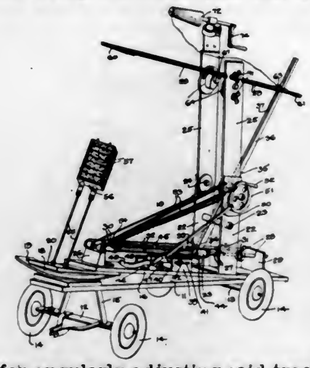
2,153,314
FULL-FASHIONED KNITTING MACHINE
Emil F. Richter, Philadelphia, Pa., assignor to Artcraft Silk Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 22, 1936, Serial No. 81,170
4 Claims. (Cl. 66—127)



1. In a full-fashioned knitting machine, in combination, a plurality of reciprocable thread carrier bars, means for effecting the individual reciprocation of said bars in a predetermined order, said means including a bar-engaging arm slidably mounted upon a rock shaft, and means for angularly adjusting the said rock shaft whereby to present said arm for engagement with the several carrier bars in the desired predetermined order, said means including a cam wheel, a lever operated by said cam wheel, the cam wheel being intermittently actuated through a ratchet mechanism for actuating said lever through strokes of varying degree.

2,153,315
CATAPULT
Emil F. Richter, Philadelphia, Pa.
Application June 18, 1936, Serial No. 85,866
4 Claims. (Cl. 124—7)

1. A catapult comprising a longitudinally slotted member affording a guide track for a projectile, a relatively fixed support for said member, an arm pivoted upon said support and having a branch thereof projecting through said slot for rotation in the plane thereof to propel the projectile along the track and into space, and



means for angularly adjusting said track support about a horizontally disposed axis as well as for independent angular adjustment of said track with respect to its support.

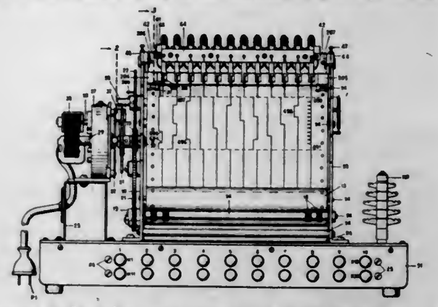
2,153,316
METHOD FOR THE PRODUCTION OF PLASTICS
Earl C. Sherrard, Edward Beglinger, and John P. Hohf, Madison, and Ernest Bateman, deceased, late of Madison, Wis., by William T. Bateman, Madison, Wis., special administrator, assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application January 28, 1938, Serial No. 187,565
6 Claims. (Cl. 260—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for producing a moldable hydrolyzed vegetable fibrous material, in which the desired cellulose-lignin ratio is obtained, which comprises hydrolyzing the vegetable fibrous material with substantially 2 parts of acid and substantially 250 parts of water per 100 parts of vegetable fibrous material under controlled conditions of steam pressure and time of hydrolysis, thereby producing a material having the properties of plastic flow and maximum tensile strength when subjected to heat and pressure.

2,153,317
RECORDING APPARATUS
Arthur T. Sigo, Maywood, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 2, 1934, Serial No. 728,683
10 Claims. (Cl. 234—1.5)

1. In a multiple pen recorder, a plurality of pens constituting a group, an overflow pen, pen relays for operating said pens, a chain circuit extending through contacts on said relays for operating said overflow pen, and means including terminals to which the relays and contacts thereof are connected which enables the pens to be readily formed into two groups, each group having an overflow pen, and a chain circuit for operating it.

6. In a multiple pen recorder having a frame and a moving paper roll, a supporting strip, a row of magnets mounted on said strip, an ink reservoir also supported on said strip, a row of pens supported on said reservoir, means whereby each magnet controls one of said pens, and means pivotally supporting said supporting strip in said

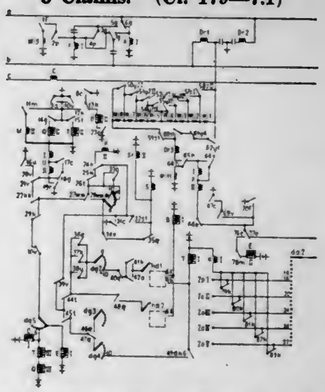


frame, whereby movement of the strip on its pivots will cause the pens to simultaneously approach or recede from the said roll without changing the relation of the pens to the reservoir.

2,153,318
PROCESS FOR PRODUCING RESINLIKE CONDENSATION PRODUCTS
Kurt Stickdorn, Rosslau, Anhalt, Germany, assignor to Deutsche Hydrierwerke Aktiengesellschaft, Berlin-Charlottenburg, Germany, a corporation of Germany
No Drawing. Application September 27, 1935, Serial No. 42,461. In Germany September 27, 1934
6 Claims. (Cl. 260—100)

1. A process for producing resin-like condensation-products comprising the reduction of materials selected from the group consisting of natural resins and resin-acids to produce products of alcoholic character and the condensation of these products with inorganic acids in the presence of a catalyst.

2,153,319
AUTOMATIC TELEPHONE SYSTEM
Herbert Töpfer and Hans Joachim Lurk, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany
Application July 31, 1937, Serial No. 156,812
In Germany August 4, 1936
8 Claims. (Cl. 179—7.1)



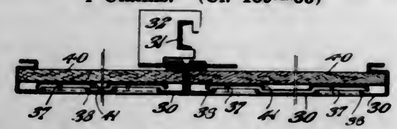
1. In a telephone system, lines, means including a trunk line for establishing a connection

between different ones of said lines, a metering impulse transmitting device, means responsive to completion of said connection for operating said device to transmit predetermined metering impulses thereover, means in said device operated on termination of said completed connection to cause a more rapid transmission of metering impulses yet to be transmitted.

2,153,320
BUILDING CONSTRUCTION

Frederick M. Venzie, Philadelphia, Pa., assignor to Veco Corporation, a corporation of Pennsylvania

Application November 5, 1935, Serial No. 48,288
4 Claims. (Cl. 189—85)

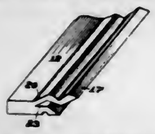


4. A ceiling surfacing unit comprising a metal pan having a multiplicity of perforations therethrough; detachable metal means covering each of said perforations and means for spacing said last named means from and above said perforations.

2,153,321
METHOD OF MANUFACTURING BEADED WELTING

William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour

Application July 22, 1938, Serial No. 220,687
8 Claims. (Cl. 12—146)



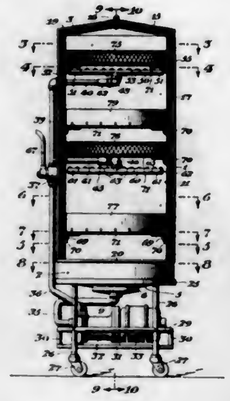
1. The method of producing two welt strips from a double fillet of less width than the combined width of stock in single fillets required for the two beaded welts made from said strips, each strip being of greater overall width than one-half of the width of said fillet and each having a rabbet along one edge adapted for cutting a flange for forming-up into a longitudinal bead within the edges of a severed strip, comprising severing the fillet longitudinally by a three-part cut formed by a buried center bar lying in a plane oblique to both faces of the fillet, a bar at one end thereof emerging at one face of the fillet and extending in a direction inclined to said face and inclined away from said end of the center bar, and a bar at the other end thereof emerging at the opposite face of the fillet and extending in a direction inclined to said face and inclined away from said end of the center bar, the emergence of one of said end bars being along a line that defines the overall width of the beaded welt to be produced from the welt strip thus severed from the fillet.

2,153,322
DISHWASHING MACHINE

Frank G. Walker, Santa Barbara, Calif.

Original application July 26, 1930, Serial No. 470,801. Divided and this application October 5, 1934, Serial No. 746,938
2 Claims. (Cl. 141—9)

2. A dish-washing machine comprising a semi-cylindriform casing merging into a cylindrical base, a concentric semicylindriform lining for said casing, a semicylindriform closure mounted

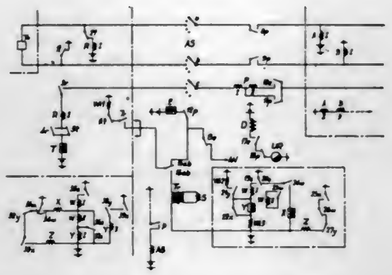


to oscillate into and out of the space between said casing and its lining, and means carried by said semicylindriform liner arranged to support articles to be washed.

2,153,323
TELEPHONE SYSTEM

Max Langer, Berlin-Hermsdorf, Eduard Wochinger, Berlin, and Josef Kuchley, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany

Application November 30, 1936, Serial No. 113,504
In Germany November 29, 1935
15 Claims. (Cl. 179—8)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

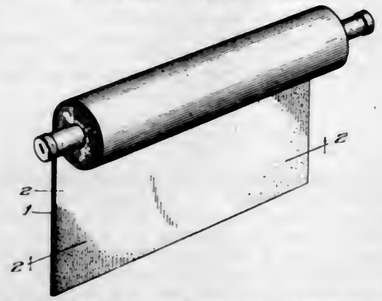


1. In a signalling system, a plurality of lines, a group of automatic switches adapted to be taken for use by calling ones of said lines and each operative to forward a connection from a calling line to a desired called line, registering means, means operative only when all of said switches are busy and responsive to an attempt of a calling one of said lines to take one of said switches for use for causing said registering means to register the call, and means whereby said last-named means causes said register means to register two substantially simultaneous calls originated when all of said switches are busy.

2,153,324
DUPLICATING PAD OR ROLL AND METHOD FOR ITS USE

Johan Bjorksten, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application May 23, 1938, Serial No. 209,498
7 Claims. (Cl. 41—31.6)



1. A duplicating pad or roll comprising an acrylate resin.

2,153,325
PRINTING MACHINE

Herbert Cole, New York, N. Y.

Application August 8, 1936, Serial No. 94,925
11 Claims. (Cl. 101—416)

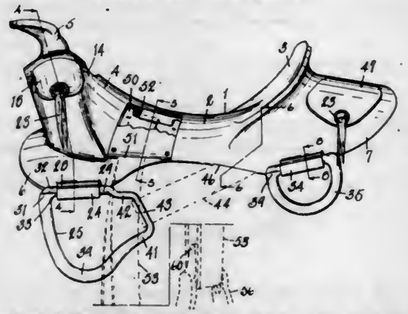


1. In a printing press of the type comprising a platen, a conveyor and sheet receiving means; means for effectively drying and setting the ink upon the sheets, said means including a rod-like source of radiant heat transversely across said conveyor, contiguous thereto and between said platen and said receiving means, and a condenser reflector associated with said source for playing the heat upon a localized region of the sheet in the course of its travel therepast.

2,153,326
SADDLE

Herbert E. Crouter, Flint, Mich.

Application January 22, 1938, Serial No. 186,401
18 Claims. (Cl. 54—44)

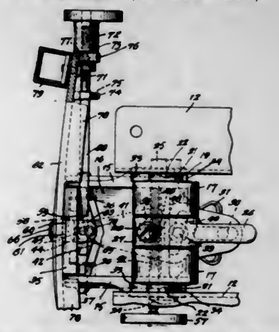


1. A saddle of substantial thickness and hollow in the interior thereof to minimize the weight thereof, said saddle having side portions adapted for engagement with the back of an animal throughout a substantial area to distribute the weight of the saddle and rider, said saddle being formed whereby the middle thereof is spaced substantially above the back of the animal, said saddle having front and rear central passages alined with said middle and groups of front and rear apertures therein to ventilate the interior thereof, said saddle having hollow spaces therein opening to the top thereof and forming compartments, and covers hingedly mounted on the saddle to close said compartments, said hollow spaces having provision for supporting an article receiving member.

2,153,327
POSTURE CHAIR

Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application September 7, 1935, Serial No. 39,542
Renewed December 23, 1938
9 Claims. (Cl. 155—157)



8. A chair iron comprising a bracket member, a back member pivoted to said bracket member on a substantially horizontal hinge axis, and means for adjusting the angular relation between said back member and bracket member comprising a part movably connected to said bracket member adapted to have rocking movement about an axis transverse to said hinge axis, a shaft journaled in said bracket member substantially parallel to said hinge axis, operative connections movable along said shaft between said shaft and part causing turning of said shaft to rock said part, operative connections from said part to said back member spaced from the hinge axis, cooperating with the connection of said part with said bracket member, the construction and arrangement of said operative connections causing rocking of said part to turn said back member on said hinge axis, and operating means secured to said shaft.

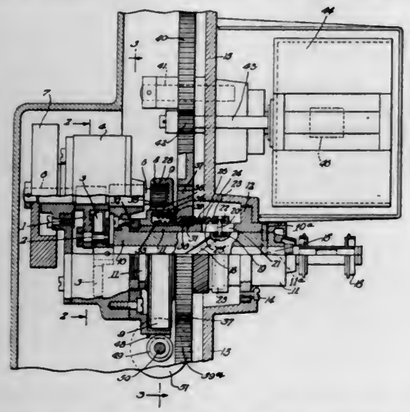
2,153,328
MOTION PICTURE PROJECTOR

Kurt Hoffmann, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany

Application January 10, 1938, Serial No. 184,276
In Germany January 13, 1937
7 Claims. (Cl. 88—18)

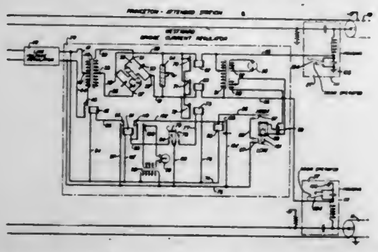
1. In a motion picture projector having a picture window, the combination with a rotary shutter and a film sprocket secured at one end of a shaft at the other end of which is secured a Geneva wheel driven intermittently by a continuously rotating drive wheel, of a picture framing means comprising a manually adjustable member for adjusting the axis of said drive wheel about the axis of said Geneva wheel and thus transmitting an additional rotative movement to said film sprocket for moving the film

relatively to the picture window, means for driving said drive wheel and said rotary shutter, said means including a gear rotatable about the axis of said shaft and arranged between said film sprocket and said Geneva wheel and meshing with a pinion, a second shaft on which said pinion and said drive wheel are secured, said means including also a transmission between said gear and said



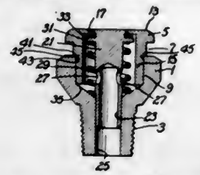
shutter, and means actuated by said manually adjustable member for rotatably adjusting said gear relatively to said transmission about the axis of said Geneva wheel the same amount the said drive wheel is adjusted by said manually adjustable member so that the relative position between said drive wheel and said shutter remains unchanged.

2,153,329
CARRIER LINE POWER SUPPLY
Robert P. Jutson, Halesite, N. Y., and Joel L. Larew, South Amboy, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1937, Serial No. 150,516
9 Claims. (Cl. 179—170)



1. In a signal transmission system having geographically spaced repeater stations and a transmission line extending therebetween, means at one repeater station to apply a substantially constant-current power to said transmission line for operating one or more of said spaced repeater stations comprising a power source at said one station, a current regulator for said source, means for connecting said source to said regulator, means responsive to increases and decreases in the voltage of the power applied to said transmission line to actuate said connecting means to disconnect said source from said regulator, and means responsive to such disconnection to render said regulator inert.

2,153,330
LUBRICANT FITTING
Jonathan Kludt, Detroit, Mich., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application January 27, 1938, Serial No. 187,169
2 Claims. (Cl. 29—157)

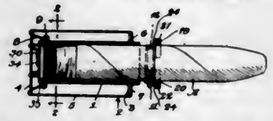


1. A lubricant-receiving fitting comprising a hollow body portion, a relatively ductile bead extending from said body portion around its hollow portion, a relatively hard sleeve having a groove with a portion engageable with the bead adapted to turn said bead into the groove upon forcing said sleeve into the hollow portion, said sleeve having an inward flange forming a lubricant inlet with a one piece surface surrounding said inlet and spring-pressed valve means located between said sleeve and the body portion and after assembly being normally biased to close said inlet and being permanently retained in position between the body portion and the sleeve.

2,153,331
PROCESS FOR THE PREPARATION OF GUNPOWDER BY MEANS OF AN ACETONE AND ALCOHOL SOLVENT MIXTURE
Alfons Kunz, Fuzfo, Hungary, assignor to Nitrokémia Ipartelepek Részvénytársaság, Budapest, Hungary, a Hungarian company
No Drawing. Application November 10, 1936, Serial No. 110,191. In Hungary August 28, 1936
2 Claims. (Cl. 52—20)

1. A process for preparing nitrocellulose gunpowder wherein a volatile alcohol-acetone mixture is employed for gelatinisation and wherein the proportion of acetone used in said mixture is 25–35% and the nitrocellulose employed with this mixture consists of ⅕ to ⅓ parts by weight of a product with a nitrogen content of less than 12.5% and ⅘ to ⅔ parts by weight of a product with more than 13% nitrogen content.

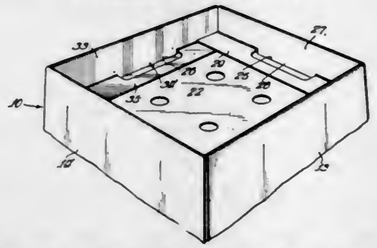
2,153,332
SAFETY HOLDER FOR CIGARS AND CIGARETTES
Murrey Lewis, New York, N. Y.
Application February 11, 1938, Serial No. 189,914
3 Claims. (Cl. 131—174)



1. A safety holder for cigars including a wire mesh housing open at one end and closed at the opposite end, a cage secured to said housing and projecting beyond the closed end thereof, said cage being formed with a plurality of bars parallel with but spaced from said housing and at the projecting end being provided with inturned sections for maintaining the bars spaced from the housing, a ring carried by said inturned sections

arranged in a plane substantially parallel to said closed end whereby the device may be set on its end, and means adjacent the open end for holding a cigar with the ignited end positioned in the housing.

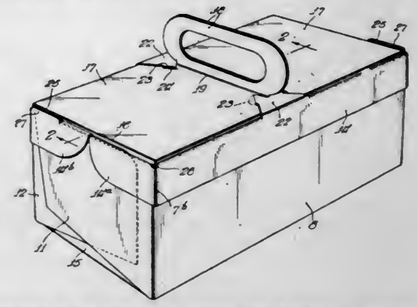
2,153,333
CARTON
Roy E. Lowey, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application March 18, 1937, Serial No. 131,593
8 Claims. (Cl. 229—16)



8. A carton for retaining yieldable materials and adapted to be filled in an upside-down position, said carton comprising a rectangular top wall, four side walls associated therewith, means for engaging the side wall panels in container-forming position, a bottom panel hingedly associated with one of the side walls along a line spaced inwardly from the lower edge of said side wall and being provided with a shallow notch in an edge thereof, and means for retaining and supporting the bottom panel in position above the lower edges of the side walls when the carton has been placed in upright position, said means comprising a flap extension on at least one of the remaining side walls, said flap extension comprising a centrally disposed, rigid tongue part inserted into the space provided between the notched edge of the bottom wall and the adjacent side wall, said flap extension also including another part, extending beyond and on each side of the tongue part, and folded to lie flat against the lower face of the bottom panel, whereby, when the carton has been filled with yieldable contents, the bottom wall may be engaged in place between the contents and the flap extension by moving the flap extension across the surface of the bottom wall until the tongue part snaps into the space provided by the above mentioned notch in the edge of the bottom wall.

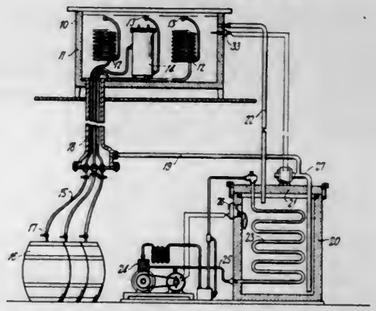
2,153,334
BASKET
Roy E. Lowey, Evanston, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application March 5, 1938, Serial No. 194,061
16 Claims. (Cl. 229—36)

9. In a receptacle of the character described formed from a single sheet of material, a bottom wall, opposite side walls and opposite end walls, said side walls being integral with and directed upwardly from said bottom wall and having downwardly folded marginal portions providing cuffs along their upper edges, each of said end walls including a flap integral with and extending upwardly from an end of the bottom wall substantially to evenness with the upper edges of the side walls and thence extending by an extension over the top of the receptacle toward the opposite flap extension, the adjacent ends of said extensions being bent upwardly and providing a handle thereat, and locking tabs struck from the receptacle side walls adjacent to the top edges



thereof and to the position of said handle for locking engagement with each of said extensions, each of said extensions having a slit therethrough for reception of said locking tabs.

2,153,335
REFRIGERATING UNIT
Michael A. Martin, Erie, Pa.
Application February 11, 1937, Serial No. 125,240
5 Claims. (Cl. 225—40)



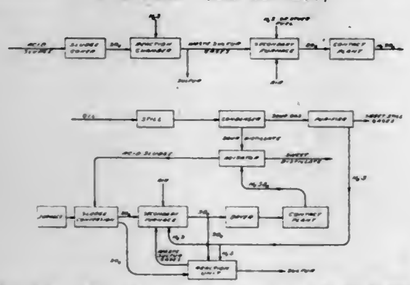
1. The combination with a beverage dispenser adapted to contain a cooling liquid, a beverage container disposed at a point remote from the dispenser and a beverage supply line extending from the container to the dispenser, of a closed tank containing a relatively large supply of cooling liquid, mechanical refrigerating means for cooling the liquid in the tank, means controlling operation of the refrigerating means responsive to the temperature of the cooling liquid in the tank, a relatively large conduit extending a substantial distance from the dispenser in encircling relation to the beverage supply line, the conduit opening into the dispenser at one end and at its opposite end being closed to sealingly engage the beverage supply line, a cooling liquid supply connection extending from the tank and joining the conduit adjacent the closed end thereof, a return cooling liquid connection extending from the dispenser to the tank, whereby a closed cooling liquid circuit is effected including the dispenser, the tank and the conduit, intermittently operable pump means for forcing relatively cold cooling liquid from the tank through the conduit and to the dispenser responsive to the temperature of cooling liquid in the dispenser, and the cold liquid from the tank pre-cooling the warm beverage from the container passing through the conduit prior to said beverage entering the dispenser.

2,153,336
FLASHLIGHT
Wesley J. Officer, Hampden, and Orville T. Wood, Clinton, Mass., assignors to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application June 19, 1936, Serial No. 86,050
1 Claim. (Cl. 240—10.66)



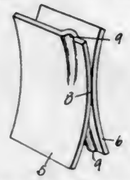
A hood for a flashlight having a cylindrical threaded portion to which the hood may be attached to conceal the threaded portion, said hood comprising a hollow member flared outwardly toward the front and provided with a threaded forward portion to receive a lens bezel, the rear marginal portion of the hood having a bead, a cylindrical sleeve, having a threaded portion, within the hood, the rear edge of said cylindrical sleeve having a continuous bend around the bead of the hood to secure said sleeve and hood together and prevent relative axial displacement, and means at the bead to prevent relative rotation of the sleeve and hood.

2,153,337
RECOVERY OF SULPHUR FROM PETROLEUM
Thomas Clifford Oliver, Jackson Heights, Long Island, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application August 25, 1936, Serial No. 97,729
1 Claim. (Cl. 23—167)



In the refining of petroleum by a process involving the agitation of a sour distillate with an amount of sulphuric acid sufficient to produce a sweet distillate and acid sludge, the thermal decomposition of the acid sludge in a sludge decomposition zone under conditions such that a substantial part but not all of its sulphur content is evolved in the form of sulphur dioxide gas, and the reconversion of this sulphur dioxide gas to sulphuric acid for reuse in the process, the steps which consist of distilling a sulphur-bearing petroleum oil and thereby obtaining a sour gas and the sour distillate referred to, separating sulphur from the sour gas in the form of hydrogen sulphide, adding a part of said hydrogen sulphide to the gases from the sludge decomposition zone, burning the mixture, reacting in a separate zone sufficient amounts of the resulting sulphur dioxide gas with the remainder of the hydrogen sulphide to produce free sulphur and converting the remainder of the sulphur dioxide to sulphuric acid for reuse in the process, the amount of hydrogen sulphide added to the acid sludge gases being sufficient to form enough sulphur dioxide to (1) make up for losses of sulphur in the system, and (2) react with the remainder of the hydrogen sulphide to produce free sulphur.

2,153,338
PISTON SKIRT EXPANDER
Harold P. Phillips, Webster Groves, Mo., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application August 25, 1937, Serial No. 160,769
6 Claims. (Cl. 309—12)



1. A piston expander comprising longitudinally bowed spring members disposed to face oppositely in back to back supporting engagement, said members being joined at their rear edges by an integral tie portion with both ends projecting beyond the ends of the tie portion, one end of each spring member being grooved for engagement with the edges of a split in a split piston skirt.

2,153,339
FLOAT
Charles H. Reeves, Denver, Colo., and John W. Warden, El Paso, Tex.
Application March 4, 1938, Serial No. 193,860
4 Claims. (Cl. 43—49)

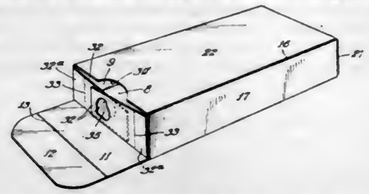


1. A float comprising a central connecting member, a plurality of elongated buoyant members of sector-shaped cross section, having straight angularly related sides, hinged at their upper ends to the connecting member, the straight sides being parallel when the members are in normal position, the several members being movable through an angle of substantially 90 degrees, into a radiating position, and means for limiting the movement to substantially 90 degrees.

2,153,340
CARTON
Charles S. Reid, Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application March 17, 1938, Serial No. 196,348
6 Claims. (Cl. 229—38)

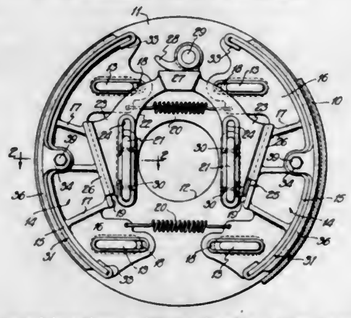
1. In a box an end closure comprising, a flap attached to each of opposite sides of the box at said end, each of said flaps having a free end portion adapted to over-lap and to be secured to the free end portion of the other flap, each of said flaps being weakened transversely along a line spaced from the attached end of the flap, and a tuck flap attached by one end to one of another pair of substantially opposite sides of the box at said end of the latter and adapted

substantially to cover the first said flaps and to have its free end tucked between edges of the



first said flaps and the adjacent edge portion of the other of the last said pair of opposite sides.

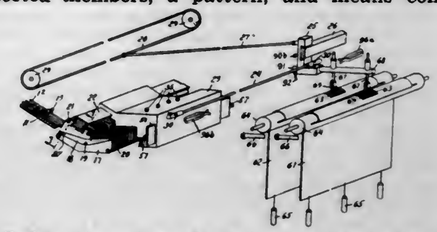
2,153,341
BRAKE LINING
Peter Ruffino, Brooklyn, N. Y.
Original application March 22, 1935, Serial No. 12,345, now Patent No. 2,100,174, dated November 23, 1937. Divided and this application March 26, 1937, Serial No. 133,146
1 Claim. (Cl. 188—234)



In combination with a brake shoe having an arcuate shape flange and an integral web extending inwardly from the inner side thereof, a brake lining unit including an arcuate shape base member of a length approximating the length of said arcuate shape flange and conforming to the curvature thereof and disposed against the outside of said flange, preformed hook portions integral with the ends of said base member arranged in hooking engagement with the ends of said flange and having notches in their inner sides to accommodate said web, a boss extending outwardly from said web approximately midway between the ends of said brake shoe and having a threaded hole therein, an ear formed integral with said base member and extending inwardly from the outer side thereof and overlying said boss, a threaded bolt passing through said ear and threaded into said threaded hole, and a strip of friction lining material secured to and covering the outer side of said arcuate shape base member.

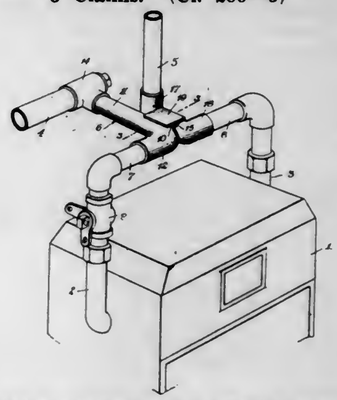
2,153,342
PATTERN CONTROL MECHANISM
Yves Ruinnet, Neuilly, France, assignor to Lefier Patent Company, Inc., a corporation of New York
Application September 17, 1936, Serial No. 101,251
In France December 31, 1935
40 Claims. (Cl. 66—75)

1. In a textile machine having a plurality of elements to be controlled, respective control members associated therewith for controlling the operation thereof, an electromechanical translating device for progressively selecting control members and positively engaging and moving the selected members, a pattern, and means con-



trolled by the pattern for actuating the device in conformity with the pattern.

2,153,343
GAS METER MANIFOLD
Ernest W. Ruscher, New York, N. Y.
Application January 6, 1938, Serial No. 183,691
3 Claims. (Cl. 285—3)



1. A gas meter supporting manifold comprising an L-shaped tubular member, a second tubular member having a section extending in one plane and extensions at each end of said section, said extensions extending in planes at right angles to each other and to said section, and a connector for connecting said tubular members, said section being parallel with one leg of said L-shaped tubular member and said connector being positioned to connect the last mentioned leg and said section in spaced relation with a space open to the atmosphere therebetween.

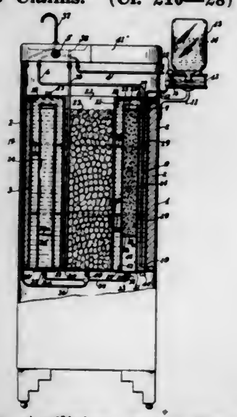
2,153,344
ATTACHED OPENER FOR CONTAINERS
Julius Edward Selliken, Brooklyn, N. Y.
Application December 24, 1936, Serial No. 117,426
2 Claims. (Cl. 220—53)



1. In combination with a container having a cylindrical neck opening and an outwardly extending circumferential ridge formed on said neck opening, a cap for closing said neck opening, comprising a top portion for extending across the open end of said cylindrical neck opening and

having an opening, a downwardly extending tubular skirt portion continuing from the periphery of said top portion and encasing the top end of said cylindrical neck opening and having its bottom edge portion clamped around said ridge to prevent axial movement of said cap with relation to said neck, said skirt portion being formed of separate sections having their adjacent edge portions arranged one above the other in edge alignment, a strip of material securely attached over the adjacent edge portions of said sections for holding said sections together to close said neck opening, and an element extending at right angles from one end of said strip and being substantially L-shaped with one arm extending longitudinally upward along said skirt portion with the other arm extending radially inward over said top portion and across said opening and being securely attached to the material around said opening for closing the same.

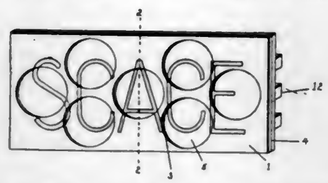
2,153,345
WATER STERILIZING APPARATUS
Francesc Senyal, New York, N. Y.
Application July 16, 1938, Serial No. 219,491
6 Claims. (Cl. 210—28)



1. A water sterilizing apparatus having the combination of a water reservoir tank, a water pressure service pipe leading to and into said tank, a valve for said pipe, a vessel containing sterilizing fluid, means for producing admixture of the water from said pipe and said fluid upon the opening of said valve, a pipe leading from said admixing means to and into the bottom of said tank, said tank divided into upper and lower compartments by a horizontal wall having a limited opening, a tank containing cooling means located within said water tank, a tank containing filtering material located within said water tank in both of its said compartments and extending through said wall, said last tank having a perforated area for admitting thereinto water from said water tank and a perforated area for outletting the water, a pipe leading from said filtering material tank to a consumption outlet, and said outlet situated above the inlet of said sterilizing fluid to said admixing means.

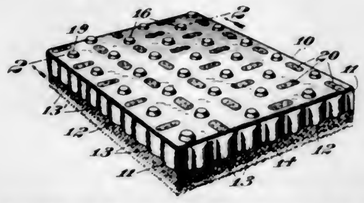
2,153,346
DISPLAY APPARATUS
Steven E. Scace and William B. Scace, Chicago, Ill.
Application January 14, 1938, Serial No. 184,958
7 Claims. (Cl. 40—34)

1. In a display apparatus having a continuous display front made up of stationary display sections and rotatable display sections, the combination of a plurality of said rotatable display sections each of said rotatable display sections mounted on a shaft, a hole through said shaft parallel to the plane of rotation of said shaft



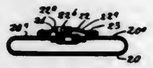
and perpendicular to its length, a pin longer than the diameter of said shaft, said pin reposing in the said hole in said shaft, a recession in the face of each aforesaid rotatable display section in which the ends of the aforesaid pin repose and driving means for rotating said rotatable display sections.

2,153,347
PAVING PLATE
Charles Schenck, Coopersburg, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application October 9, 1936, Serial No. 104,747
2 Claims. (Cl. 94—15)



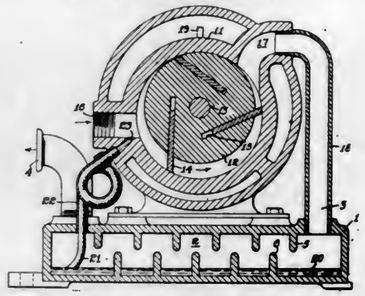
1. A metallic surface plate having a depending corrugated flange on each side thereof the outermost portions of the corrugations lying within a plane substantially at a right angle to said tread portion and the innermost portions of the corrugations being at an acute angle to the tread portion, and having a plurality of grooved anchor bolts extending downwardly through said plate and welded thereinto.

2,153,348
TIE
David Sobel, Brooklyn, N. Y.
Application February 9, 1938, Serial No. 189,519
2 Claims. (Cl. 2—146)



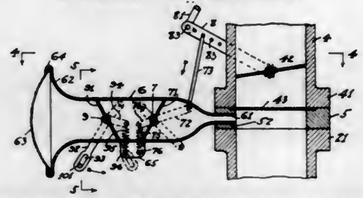
1. A tie, comprising a strip of material folded into a tie casing, stitches between the adjacent edges of said strip for holding said strip in its folded condition, stringers of hook fasteners mounted longitudinally along the center of the back of said tie over said stitches for hiding said stitches from view and for adding stiffness to said tie, and a control slide for opening and closing said slide fasteners, whereby said slide may be moved to close said fasteners for giving said tie one stiffness and said slide may be moved to open said fasteners to give said tie another stiffness.

2,153,349
AIR BLOWER
Samuel Squiller, Pittsburgh, Pa., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application September 4, 1936, Serial No. 99,446
Renewed February 18, 1939
2 Claims. (Cl. 230—207)



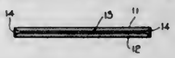
1. An air blower comprising a substantially flat hollow base constituting a combined oil and baffle chamber, having an inlet and outlet for air and having vertically disposed baffle members extending from opposite walls of said hollow base and interposed between said inlet and outlet, said oppositely disposed baffle members being spaced throughout substantially the entire longitudinal extent of said chamber, a blower mounted on said base having its air outlet passage connected to the inlet of said hollow base and having an air inlet passage open to the atmosphere, and means for conducting oil from the hollow base to the inlet passage of the blower to be entrained in the air passing to the blower, said blower being operative to deliver air under pressure to the hollow base to subject the air to swirling movement through the baffle members of the base and to cause the oil in the air to be pecipitated before passing from the outlet of said base.

2,153,350
AUXILIARY AIR INTAKE FOR INTERNAL COMBUSTION ENGINES
Emil Stimac, Detroit, Mich.
Application July 26, 1937, Serial No. 155,715
3 Claims. (Cl. 123—119)



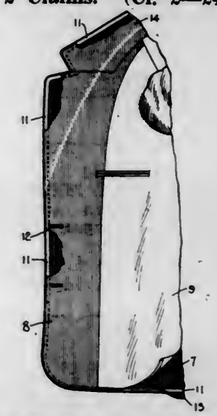
1. An auxiliary air inlet device for internal combustion engines comprising a gasket adapted to fit between the opposed flanges of a carburetor delivery conduit and of a manifold intake conduit, said carburetor delivery conduit being controlled by a throttle valve the said flange having an opening continuous with the bores of said conduits, and having an elongated slot substantially circumferentially disposed with respect to said opening; a cylindrical member having one end flattened and secured within said slot and having at the other end a bell-mouthed inlet opening; a butterfly valve pivotally mounted within said member and operatively connected to the throttle valve operating mechanism of the carburetor; and a second butterfly valve similarly mounted within said member and operated by a thermostatic element mounted adjacent the exhaust manifold of the engine.

2,153,351
TEXTILE ARTICLE
Alfred J. Steinberger, Jamaica, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 24, 1936, Serial No. 60,746
6 Claims. (Cl. 154—46)



1. An article comprising cut laminated material formed of flexible sheets at least one of which is non-thermoplastic and at least one of which is of thermoplastic material, the filaments or fibers along the cut edges of the laminae being coated by the flow of thermoplastic material, whereby the filaments or fibers are bound together and fraying is prevented.

2,153,352
WEARING APPAREL
Alfred J. Steinberger, Jamaica, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Original application December 4, 1935, Serial No. 52,774. Divided and this application November 19, 1937, Serial No. 175,368
2 Claims. (Cl. 2—243)

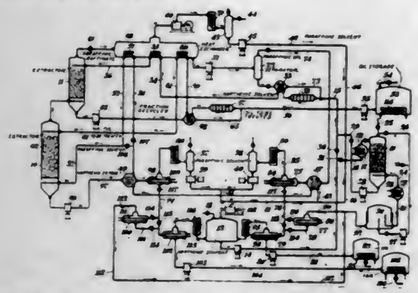


1. In an outer garment, means for reinforcing the seams of the garment and for preventing wrinkling and puckering of the outer material of the garment along the seams thereof, said means comprising a narrow strip of textile material, containing an organic derivative of cellulose, confined to the region adjacent to the seam being reinforced and at least locally coalesced to the material of the garment along the seams thereof.

2,153,353
PROCESS FOR SEPARATION OF MINERAL OIL
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application July 20, 1932, Serial No. 623,483
8 Claims. (Cl. 196—13)

1. Process of separating a residual mineral oil

stock, without preliminary precipitation of asphalt, which comprises counterflowing a paraffinic solvent and a naphthenic solvent having a general solvent power for all naphthenic type oils including naphthenes and asphaltenes, and having a capacity to dissolve substantially as large an amount per volume of solvent as has nitrobenzene, introducing the oil to be treated, containing its entire asphalt content, to said counterflowing solvents at a point space from the point where fresh paraffinic solvent is introduced, controlling the temperature of the extraction at a point where the paraffinic and naphthenic solvent cause the oil to separate into layers, separating the layers and recovering the solvents from the separated layers.



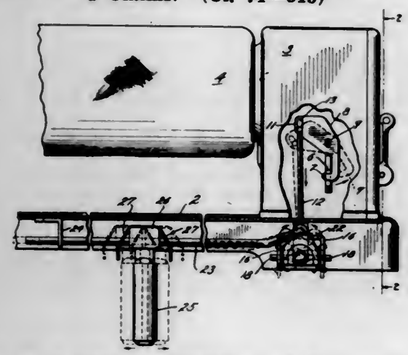
3. In a process for separating mineral oil containing paraffinic and naphthenic constituents into fractions respectively more paraffinic and more naphthenic than the original oil, the steps comprising contacting the oil with liquid propane and nitrobenzene, and separating the resultant solutions by difference of specific gravity, the said propane and nitrobenzene being adapted to form a layer solvent system when contacted with each other.

2,153,354

IRONER CONTROL MECHANISM

Merlin S. Vincent, Newton, Iowa, assignor to Automatic Washer Company, Newton, Iowa, a corporation of Delaware

Application October 13, 1937, Serial No. 168,710
4 Claims. (Cl. 74—515)



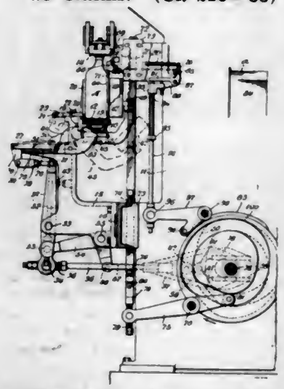
1. In a control mechanism of the character described having a releasable member adapted normally to engage another member for retaining the latter in predetermined position, said releasable member being movable between a released and an engaging position with respect to said other member, means for operating said releasable member comprising, a pull rod, a forked member secured to said rod, said forked member having closed slots in its arms, a rockable member mounted upon a fixed pivot between said arms and having portions disposed in and movable between the ends of said slots, a crank secured relative to said rockable member, and means including a push-pull rod connected with said crank for rocking said rockable member.

2,153,355

MECHANISM FOR APPLYING LABELS

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application March 5, 1938, Serial No. 194,059
23 Claims. (Cl. 216—55)



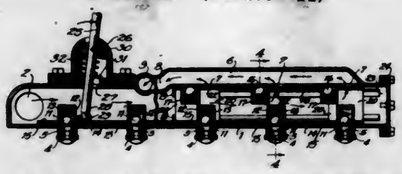
9. The combination of a support for an article, carrying means on which the opposite ends of an adhesive coated label are temporarily adhered whereby said label is supported in applying relation to said article, and movable applying means arranged to develop a pressure on said label for removing it from said carrying means and attaching said label to said article.

2,153,356

CIRCULATING SPRAY BAR

Earl Walker, Sullivan, Ill.

Application November 19, 1937, Serial No. 175,465
10 Claims. (Cl. 299—34)



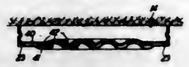
1. A distributor bar comprising a tubular member having an inlet opening adjacent one end and a plurality of recirculation ports in the side wall adjacent the other end, an enclosed longitudinally-extending chamber on said tubular member covering said recirculation ports and having connection with a discharge conduit, a plurality of longitudinally-spaced spray nozzles on said tubular member, a valve member housed within said tubular member for each of said nozzles and recirculation ports, and means within said tubular member arranged to actuate all said valve members simultaneously, the valve means for said ports being arranged to be in open position when said spray nozzles are closed and in closed position when said spray nozzles are open.

2,153,357

ACOUSTIC DAMPING MATERIAL

Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1936, Serial No. 110,645
4 Claims. (Cl. 181—33)



3. A sound absorbing structure for the acoustic treatment of rooms comprising a plurality of adjacently disposed corrugated diaphragms of lightweight material not substantially more than 10 mils thick not less than 12 inches square, each of the diaphragms having flanges holding it in spaced relation to the wall of a room, said flanges having openings forming air paths between the spaces back of adjacent diaphragms.

2,153,358

TEXTILE MATERIAL AND METHOD OF MAKING THE SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 3, 1936, Serial No. 62,167
8 Claims. (Cl. 18—54)

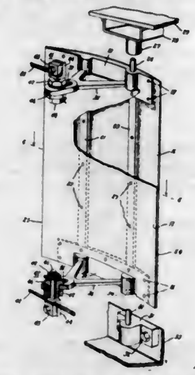
1. In the method of forming spun yarns containing comparatively short lengths of artificial fibres, the step of forming on the fibres a continuous film of a solution which comprises 85 to 95% of a diluent and 15 to 5% of a mixture which contains 1 to 25% of an electrolyte together with a solvent for said electrolyte, which solvent has a boiling point above 100° C.

2,153,359

AIR FLOW CONTROL APPARATUS

Robert G. Anderson, Karl J. Ahnell, and Townsend R. Goldsmith, Erie, Pa., assignors to General Electric Company, a corporation of New York

Application April 1, 1938, Serial No. 199,372
9 Claims. (Cl. 98—110)



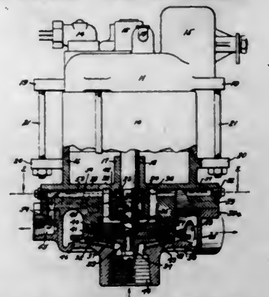
1. Air flow control apparatus comprising a plurality of longitudinal louver blades, said blades pivotally mounted at opposite ends for adjustable movement from a closed to a predetermined opened position, lever arms extending substantially perpendicularly from the surfaces of said blades adjacent the opposite ends thereof, cable means pivotally secured to said arms along corresponding ends of said blades, and motor means operatively connected to said cable means for adjusting said blades and retaining said blades in a predetermined position of adjustment.

2,153,360

MOTOR DRIVEN FLUID PUMP

Claude H. Auger and Samuel B. Puffer, Saugus, Mass., assignors to General Electric Company, a corporation of New York

Application May 26, 1936, Serial No. 81,853
1 Claim. (Cl. 103—113)



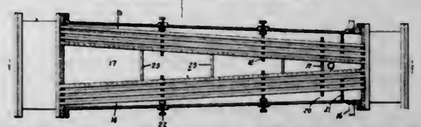
A pump arrangement including the combination of a centrifugal pump having an impeller chamber with an impeller, a vertical drive shaft connected to the impeller and a combined discharge and separating chamber surrounding the impeller chamber and forming an outlet opening near the bottom of the chamber, the discharge and separating chamber having an inclined ceiling reaching a maximum height above the outlet opening, and auxiliary pumping means having an inlet connected to the ceiling of the discharge chamber at a point where it reaches a maximum height whereby gas contained in liquid being pumped is removed from the discharge chamber by the action of the auxiliary pumping means.

2,153,361

SURFACE CONDENSER

Frank S. Bennett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 23, 1938, Serial No. 241,981
8 Claims. (Cl. 257—43)



1. A surface condenser comprising a horizontally arranged longitudinal drum having an inlet adjacent one end for elastic fluid to be condensed and an outlet for non-condensables adjacent the opposite end, a pair of banks of water tubes extending longitudinally of said drum, said banks being spaced relatively wide apart at the inlet end of said drum and relatively close together at the opposite end of said drum so as to form a triangular space between said banks of tubes, a water inlet chamber communicating with said banks of tubes adjacent the non-condensables outlet end of said drum, a water outlet chamber communicating with said banks of tubes adjacent the elastic fluid inlet of said drum, a chamber in said drum beneath said banks of tubes in communication with said triangular space for substantially the length of said drum, said last mentioned chamber being adapted to

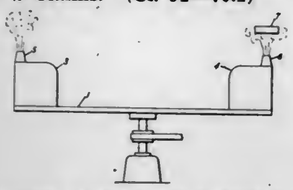
be maintained partly filled with condensate the upper surface thereof to be contacted by elastic fluid passing from said inlet through said triangular space.

2,153,362
EXTENSION LADDER CONSTRUCTION
Thomas Bonville, Portland, Maine
Application July 9, 1936, Serial No. 89,793
5 Claims. (Cl. 228—18)



1. A bracket for slidably connecting the side members of extension ladder sections comprising a portion adapted to be secured to a side member of one section and a U-shaped portion adapted to receive a side member of the other section, and a pair of rollers for each surface of said U-shaped portion, a slot for each of said rollers whereby said U-shaped recess may be made to provide a close fit for said side member.

2,153,363
LAMINATED METAL BODY
Ernst Brüche, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application December 8, 1936, Serial No. 114,831
In Germany December 18, 1935
2 Claims. (Cl. 91—70.1)



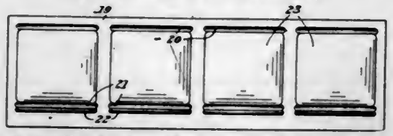
1. The process of depositing alternate layers of different solid vaporizable materials on a surface adapted to condense such materials which comprises providing separate sources of the materials, heating such sources to effect vaporization of the materials, and moving the sources along a reentrant path while continuing such vaporization to bring the sources successively and repetitively into proximity to said surface.

2,153,364
BRAKE DRUM
Donald J. Campbell, Spring Lake, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application October 12, 1936, Serial No. 105,293
1 Claim. (Cl. 188—218)



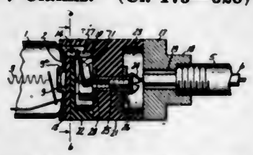
A brake drum comprising a single piece steel shell having at one of its open ends an inwardly extending flange and an outwardly extending annular groove in spaced apart relation to said flange, a cast metal lining fused to the inner periphery of said shell and a circularly formed heat transfer insert extending into said groove and embedded into the said metal lining.

2,153,365
MANUFACTURE OF CONTAINERS
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application December 18, 1934, Serial No. 758,034
8 Claims. (Cl. 113—120)



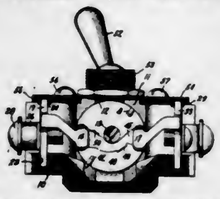
1. A method of making a container, comprising providing a substantially flat blank, dieforming said blank while in substantially flat condition to bow the same, bending said blank to form at least a portion of a generally polygonal container body member with at least one substantially straight corner edge portion, and thereafter bowing said corner edge portion.

2,153,366
LAMP SOCKET
William G. Darley, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application March 3, 1937, Serial No. 128,805
7 Claims. (Cl. 173—328)



1. A lamp holder for a cylindrical lamp comprising a stationary cylindrical casing having a radially opening recess at one end, contact means in the recess and a cylindrical adapter of substantially the same diameter as said casing having a contact member disposed within the recess and engaging the contact means, the adapter being movable laterally of said stationary casing to bring the contact means and contact member into interengagement with the cylindrical adapter located at the end of the casing in axial alinement with the cylindrical casing to form a lamp holder having a substantially smooth, continuous exterior surface.

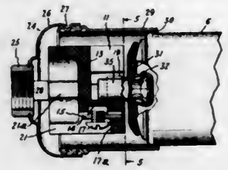
2,153,367
ELECTRIC SWITCH
Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application August 14, 1936, Serial No. 96,058
4 Claims. (Cl. 200—67)



1. An electric switch comprising a base of insulating material having a central chamber and a side opening communicating therewith, stationary contacts extending into said central chamber, a terminal plate for securing each of said

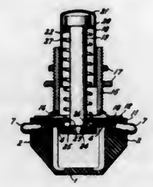
contacts in position by engagement with shoulders around the side opening of said chamber and seated in a slot in said base, and a plate of insulating material secured to said base and having slots to engage each of the terminal plates for properly positioning the stationary contacts with respect to each other.

2,153,368
LAMP SOCKET
Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 3, 1937, Serial No. 128,804
7 Claims. (Cl. 173—328)



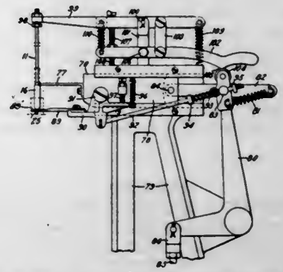
7. In a lamp socket, a base having a laterally opening recess at one end, contact means in said recess, a disk having a projecting pin on one side engaging said contact means and having spring means on the other side adapted to engage a lamp ferrule whereby the lamp may be moved laterally on said base to engage and disengage said pin with said contact means, a cap attached to the other end of the base having a flange surrounding the end and a sleeve detachably connected to the cap and surrounding the base, said sleeve being of a diameter substantially the same as that of the lamp.

2,153,369
ELECTRIC SWITCH
Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Original application July 29, 1936, Serial No. 93,237. Divided and this application September 9, 1937, Serial No. 163,089
8 Claims. (Cl. 200—159)



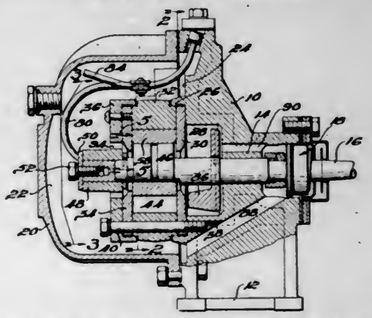
2. In an electric switch, a housing having a tubular sleeve, a push button having a tubular body slidable in said sleeve, a washer fixed in the body of said push button, an operating rod projecting through said washer and extending beyond said push button, a shoulder on said rod cooperating with said washer to hold the rod in the push button, guiding means for the operating rod, said operating rod having a loose fit in said washer permitting a limited angular movement with respect to the push button whereby binding of the guiding rod in its guiding means is decreased, and a coil spring arranged around said operating rod and extending within the body of the push button for biasing the push button outward.

2,153,370
APPARATUS FOR SEALING ELECTRIC LAMPS AND SIMILAR ARTICLES
John F. Donovan, East Cleveland, and Frank J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application March 26, 1936, Serial No. 70,952
6 Claims. (Cl. 49—2)



6. In a device of the type described, the combination of a rotatable turret, a plurality of heads on said turret each comprising a bulb holder and a mount holder, the bulb being held with its open end uppermost and the mount holder being arranged above the bulb holder to hold a mount in axial alignment with said bulb, and means disposed adjacent to the periphery of said turret for locating said mount in definite relation to said bulb comprisng a standard, a slide mounted on said standard to reciprocate toward and away from the heads on said turret, a positioning finger extending from said slide and arranged so that the end thereof is between the edge of the upper end of a bulb and the lower end of a mount in one of said heads when said slide is in its forward position, a movable finger also mounted on said slide and arranged to engage the lower end of said bulb, means for moving the end of said finger upward to move said bulb in its holder and cause the edge of the upper end thereof to engage the end of said positioning finger to definitely locate said bulb, a lever mounted on said standard and extending above the mount in said head, and means for moving said lever downward a predetermined distance to engage said mount and move it downward a definite distance into said bulb.

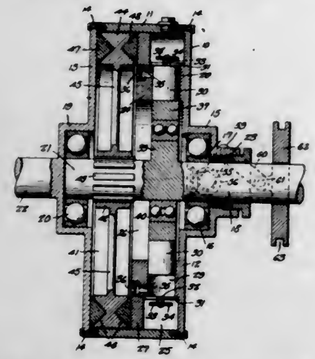
2,153,371
REFRIGERATING APPARATUS
Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application November 27, 1935, Serial No. 51,760
15 Claims. (Cl. 230—145)



1. A rotary compressor comprising a cylinder

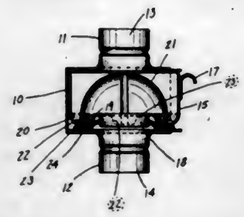
block providing a cylindrical pumping chamber, a rotor oscillatable in said chamber, a blade reciprocably mounted in the wall of said cylinder block and cooperable with said rotor for separating the high and low pressure sides of said compressor, spring means constraining said blade into engagement with said rotor, means whereby the rear face of said blade may be subject to the discharge pressure of said compressor, and a means for subjecting the blade to the pressure on the high pressure side of the compressor for constraining said blade to follow said rotor upon oscillation thereof, the relationship, formation and construction of the blade and rotor being such that all contact between these two parts occurs upon that side of the central blade axis toward the high pressure side of the compressor.

2,153,372
AUTOMATIC HYDRAULIC CLUTCH
John R. Hyde, Pittsburgh, Pa., assignor of one-tenth to Walter Bold, Pittsburgh, Pa.
Application July 19, 1938, Serial No. 220,088
4 Claims. (Cl. 192—85)



1. A hydraulic clutch device comprising, a hollow cylindrical body, a driving shaft entered axially and rotatable in said body, the body having an annular compression chamber adjacent one end thereof, said chamber being defined by the adjacent end wall portion and peripheral wall portion of the body, together with an annular inner wall projecting from the adjacent end wall, the inner end wall of said chamber being defined by a compression ring movable annularly with the cylindrical body between the circumference of the annular inner wall and inner face of the cylindrical outer wall but movable independently endwise relative to said body wall portions, a clutch element located in the cylindrical body between the opposite end wall and the annular inner wall thereof, said clutch member having a hub portion splined on said drive shaft whereby the element is rotatable with said shaft but is movable endwise independently of the shaft, said clutch element having a peripheral ring portion circumferentially adjacent the cylindrical wall of said body, brake shoes interposed between the adjacent end wall of the body and said peripheral ring portion of the clutch element and between said peripheral portion and said compression ring, variable by-pass means between said annular compression chamber and the space within said annular inner wall, means for pumping liquid from the main interior space of the cylindrical body into said compression chamber, and a cam element on said drive shaft for actuating said pumping means.

2,153,373
DRAIN TRAP
William Ingalls, Bedford, Ind.
Application November 23, 1938, Serial No. 241,904
6 Claims. (Cl. 182—8)

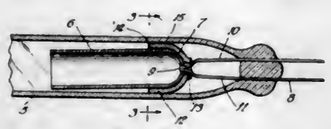


1. A drain trap including a housing having an inlet opening at the top, an outlet opening at the bottom and an opening at one side, a receptacle insertable in said housing through said side opening and positioned when so inserted to receive drainage from said inlet opening, said receptacle having an outlet opening in the bottom thereof communicating with the outlet opening of said housing, and means in said receptacle adapted to form a water seal permitting flow of drainage through said outlet openings but preventing return movement of gases.

2,153,374
METHOD OF MAKING DECORATIVE MATERIALS
Samuel T. Kantor, New York, N. Y., assignor to American Foil Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 19, 1938, Serial No. 208,949
5 Claims. (Cl. 41—10)

5. A method of producing a decorative material which comprises spraying a film of Cellophane with a solution consisting essentially of water, sulphonated castor oil, and glycerin to at least thoroughly dampen the same, crushing the thus treated material, festooning the material, drying the same and at least partially straightening out the crushed material at some stage in the process after crushing.

2,153,375
ELECTRODE MOUNTING FOR NEON TUBES
Frank Kaspar, Cicero, Ill., assignor to General Scientific Corporation, Chicago, Ill., a corporation of Illinois
Application October 10, 1938, Serial No. 234,147
6 Claims. (Cl. 176—126)



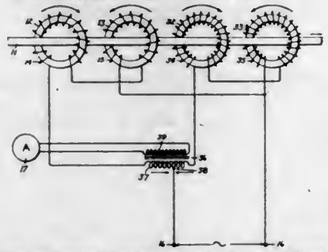
1. The electrode end of a gaseous conduction tube, comprising a length of glass tubing closed at one end, a tubular electrode in said tube, a lead-in wire having two branches which are secured to said electrode and a cup-shaped insulating member covering the lead-in wire end of the electrode, said cup-shaped member being held in position on the electrode by said branches of the lead-in wires.

2,153,376
FILM PROCESSING APPARATUS
Hayden B. Kline, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 1, 1937, Serial No. 172,140
8 Claims. (Cl. 271—2.3)



1. Apparatus for handling photographic film during processing comprising a concatenate series of unitary helix-forming devices rotated in the same angular direction on each of which, in response to rotation of the helix-forming device, the film is automatically advanced in an otherwise unguided helical path the pitch of which is sufficient in and of itself to prevent the overlapping of adjacent turns of film, alternate ones of the several helix-forming devices going to make up such series being disposed with their axes in the same horizontal plane.

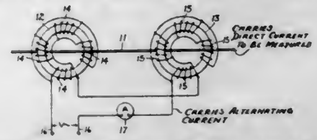
2,153,377
DIRECT CURRENT MEASUREMENT MEANS
Werner Krämer, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application February 8, 1938, Serial No. 189,449
In Germany February 26, 1937
5 Claims. (Cl. 171—95)



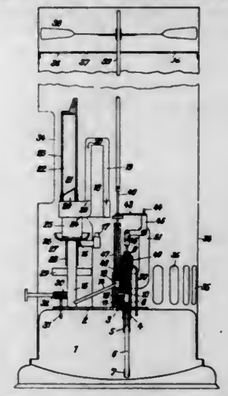
4. Direct-current-responsive apparatus comprising a principal induction device and a compensating induction device having alternating-current windings, a source of alternating-current energizing said windings and alternating current responsive means differentially responsive to currents drawn by said windings from the alternating-current source, said induction devices including in addition to the alternating-current windings magnetic core material to which the windings are in inductive relation, and direct-current windings in inductive relation to the core material and adapted to carry direct-current to be measured, the design being such that the core material in the principal induction device operates in the relatively steep middle portion of the magnetization curve and the core material in the compensating device operates in the substantially linear initial portion of the magnetization curve.

2,153,378
CURRENT RESPONSIVE ARRANGEMENT
Werner Krämer, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application April 4, 1938, Serial No. 199,991
In Germany April 16, 1937
5 Claims. (Cl. 171—95)

1. An induction measuring system for direct current comprising a core composed of highly saturable magnetic material of such dimensions as to be saturated throughout the range of direct currents to be measured, a direct-current winding in inductive relation thereto, an alternating-current winding also in inductive relation to said core, a source of alternating current and an instrument in series with said source and said alternating-current winding.



2,153,379
DEVICE FOR FEEDING LIQUID FUEL
Paul Lucas, Berlin-Friedenau, Germany, assignor to Ehrich & Graetz Aktien-Gesellschaft, Berlin, Germany
Application December 6, 1937, Serial No. 178,366
In Germany December 3, 1936
4 Claims. (Cl. 158—36.3)

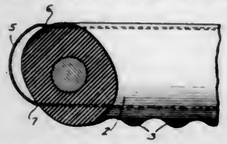


2. Device for continuously feeding liquid fuel to the vaporizer of stoves, incandescent lamps, cookers and the like, comprising a fuel container, a vaporizer, a nozzle, a mixing pipe, a burner, a flue for the exhaust gases from the burner, a liquid fuel pump in the shape of a piston pump, including a cylinder and a movable piston therein, a vane-wheel motor at the upper end of the flue rotatable by the lifting pressure of the hot exhaust gases, a vertical spindle for the vane-wheel motor, means for positively coupling said vertical spindle of the vane-wheel motor to said movable piston, said means consisting of a crank, a connecting rod and a bell crank lever, and connecting conduits between the fuel container and the vaporizer.

2,153,380
METHOD OF MOUNTING ORNAMENTAL ACCESSORIES ON STEERING WHEELS
George Albert Lyon, Allenhurst, N. J.
Application November 25, 1936, Serial No. 112,664
4 Claims. (Cl. 153—1)

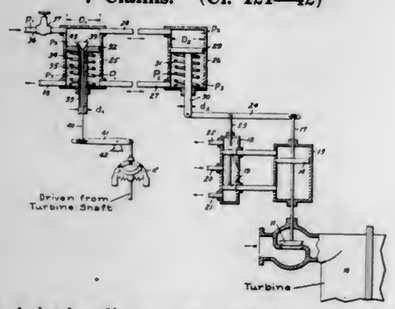
1. The method of mounting a metallic band to a steering wheel rim, with the central body portion of the band spaced therefrom, which includes pressing a band whose edge diameters are slightly less than the maximum outside diameter of said rim over the rim until one of the edges of said band is in engagement with the

outer surface of the rim, and then rolling the opposite edge of said band into direct contact



with said rim while leaving the central body portion of said band spaced from said rim.

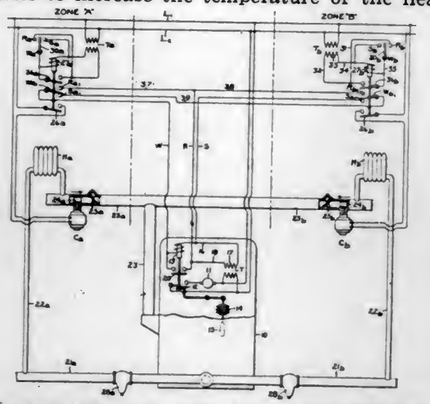
2,153,381
HYDRAULIC CONTROL MECHANISM
Arnold Maas, Berlin-Tegel, Germany, assignor to General Electric Company, a corporation of New York
Application November 27, 1937, Serial No. 176,939
In Germany March 1, 1937
7 Claims. (Cl. 121—42)



7. A hydraulic remote control mechanism including the combination of a speed governor, a valve for controlling the flow of elastic fluid to an engine, means for transmitting movement of the governor to the valve comprising a first and a second cylinder each having a piston with a stem and a biasing spring for the piston, means connecting the stem of the second cylinder to the valve, conduit means directly connecting the cylinders, means for conducting fluid under pressure to one of the cylinders, means including a bore formed in the piston and the stem of the first cylinder for discharging fluid therefrom, and a valve having a stem connected to the speed governor and located in the bore for controlling the fluid discharge.

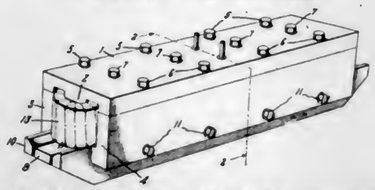
2,153,382
ZONE HEATING SYSTEM
Samuel Martin, Jr., Verona, N. J., assignor to General Electric Company, a corporation of New York
Application June 22, 1935, Serial No. 27,900
4 Claims. (Cl. 236—1)

3. A dual zone heating system including in combination, a separate thermostat in each zone operable in response to variations in the temperature thereof from a predetermined value, an automatic heating means operable to vary the temperature of a heat transfer medium, a thermostat responsive to the temperature of the heat transfer medium for controlling said automatic heating means to maintain the medium above a predetermined minimum temperature, a pair of heat transfer control means, each independently operable under the control of a corresponding one of said thermostats for controlling the distribution of the heat transfer medium to the corresponding zone to maintain the temperature therein at said predetermined value, and electroresponsive means having an actuating winding connected to be energized by each of said thermostats when the temperature in the corresponding zone thereof decreases below the predetermined value thereof for controlling said heating means to increase the temperature of the heat



transfer medium above said predetermined minimum value independently of the control of said thermostat and connected to be jointly controlled by said thermostat to control operation of the heating means to decrease the temperature of the heating medium to said predetermined minimum value only when the temperature in each zone is above the predetermined values therefor.

2,153,383
ELECTROMAGNETIC RAIL BRAKE
Günther Mathes, Berlin-Siemensstadt, Germany, assignor to General Electric Company, a corporation of New York
Application July 20, 1938, Serial No. 220,361
In Germany August 18, 1937
5 Claims. (Cl. 188—165)



1. An electromagnetic rail brake comprising a magnetic core having three legs with their adjacent sides extending lengthwise of the rail, brake shoes respectively secured to said legs and adapted to engage the top of the rail, and a magnetizing winding around the center leg of said core.

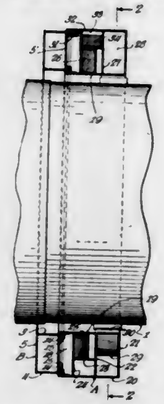
2,153,384
FOOTBALL PRACTICE DEVICE
Joseph Mazza, Des Moines, Iowa
Application October 21, 1937, Serial No. 170,233
4 Claims. (Cl. 273—55)



1. In a device of the class described, a horizontally disposed frame member, spaced apart,

upright elements secured to said horizontal frame member for supporting said frame member at a substantial distance above the ground, a plurality of track members rigidly secured to the under side of said horizontal frame member, said track members being substantially square in cross section and having a slot opening extending down the lower surface its entire longitudinal length, a roller assembly supported within each of said track members and riding therein, a tongue secured to each of said roller assemblies and extending below said track and a tackling dummy yieldingly secured and suspended from said tongue on said roller assembly; said rollers rolling in said track members and carrying said dummies.

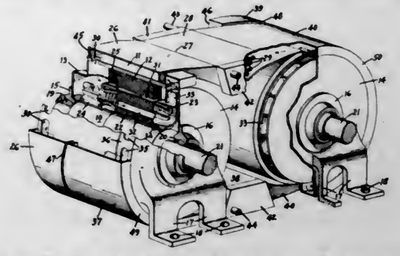
2,153,385
KILN CONSTRUCTION
Roland E. Minogue, Manitowoc, Wis.
Application March 31, 1938, Serial No. 199,089
11 Claims. (Cl. 214—18)



1. The combination of a rotary kiln having a passage therethrough for hot gases, feeding means for feeding finely divided material to said kiln, said feeding means comprising two cooperating parts, one of said parts comprising a first annular member secured to and carried by said kiln and surrounding the external peripheral portion of said kiln and providing a chamber open only on one side, said chamber being distinct and separate from the passage through said kiln, said annular member having at least one passage opening into said kiln, the other of said parts comprising a second annular member separate from said kiln and closing the open side of said first annular member, means holding said second annular member in contact with said first annular member, and feeding means leading through said second annular member into the chamber of said first annular member.

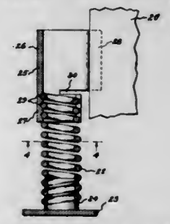
2,153,386
DYNAMO-ELECTRIC MACHINE
Arthur H. Morey, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 18, 1938, Serial No. 185,527
5 Claims. (Cl. 171—252)

1. A ventilating system for dynamo-electric machines including a plurality of dynamo-electric machines each having a frame, means for providing a substantially uniform supply of cooling medium peripherally to a portion of one end of one of said dynamo-electric machine frames, means for circulating cooling medium from said end of said dynamo-electric machine toward the other end thereof, a cooler, means for collecting the cooling medium adjacent the other end of said one dynamo-electric machine frame and for conducting cooling medium to said cooler, means for providing a substantially uniform supply of cooling medium from said cooler pe-



ripherally to an adjacent portion of one end of another dynamo-electric machine frame, a second cooler, and means for collecting cooling medium adjacent the other end of said other dynamo-electric machine frame and for conducting cooling medium to said second cooler, said second cooler being arranged in communication with said first-mentioned supply means.

2,153,387
RESILIENT MOUNTING
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1936, Serial No. 116,586
1 Claim. (Cl. 248—20)

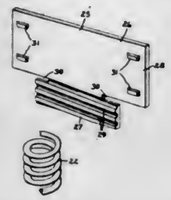


A resilient mounting for a machine including a base, a helical spring secured to said base, means including a unitary sheet metal bracket for supporting said machine on said spring, said bracket including a body and a stem, said body having legs flared outwardly in opposite directions and secured to said machine, and means including indentations formed in said stem and engaging the coils of said spring for securing said stem thereto.

2,153,388
METHOD OF MAKING RESILIENT MOUNTINGS FOR MACHINES
Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application December 18, 1936, Serial No. 116,586. Divided and this application June 12, 1937, Serial No. 147,947
7 Claims. (Cl. 29—150)

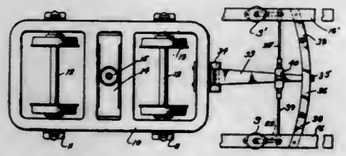
1. A method of making a resilient mounting comprising a helical supporting spring and a unitary sheet metal bracket which includes forming a sheet metal bracket blank provided with a body portion and a stem portion, providing on the inner surface of said stem portion fastening

means for engaging said spring, bending the stem portion of said blank into a substantially U-shape, placing the coils of said spring between



the legs of said U-shaped stem portion in registry with said fastening means, and bending the outer ends of the legs of said U-shaped stem portion into engagement with the coils of said spring.

2,153,389
RAILWAY CAR SWAY CONTROL MECHANISM
Charles E. Perkins, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application October 11, 1937, Serial No. 168,380
1 Claim. (Cl. 105—199)



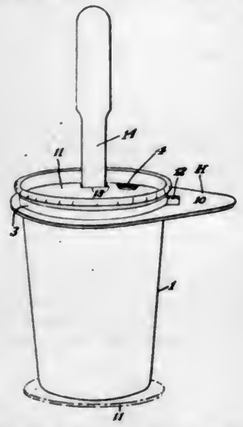
In a railway car comprising a body structure and a truck structure pivoted thereto, a tongue hinged to one end of the truck for vertical swing and extending outwardly from the truck, a supporting bar on the body structure along which the outer end of the tongue may travel during lateral oscillation of the truck relative to the body structure, and linkage connecting the tongue end with the body structure and including hydraulic shock absorber mechanism functioning to dampen the relative lateral swing of the body structure and truck, the hinged connection of said tongue with the truck permitting vertical oscillation of the truck.

2,153,390
LEADING-IN WIRE FOR ELECTRIC DEVICES
Marcello Pirani, Berlin-Wilmersdorf, and Hans Wolff, Zeuthen, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 14, 1933, Serial No. 702,425. In Germany January 6, 1933
3 Claims. (Cl. 49—92)

3. As a new article of manufacture, a boron-silicate glass article having sealed therein a leading-in wire consisting of an alloy of tungsten and nickel.

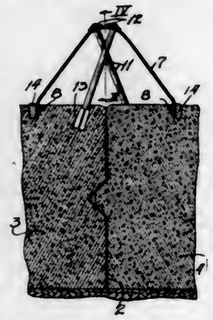
2,153,391
CUP HOLDER
Henry Projansky, Revere, Mass.
Application March 10, 1938, Serial No. 195,087
3 Claims. (Cl. 294—27)

1. A holder for paper cups and the like, said holder being formed of thin flat stock to present tapered sides and arcuate ends, said holder having a circular cup-receiving aperture concentric with the wider arcuate end and said narrower end constituting a tapered handle adequate for ad-



vertising matter and having maximum strength adjacent said cup-receiving aperture and permitting a plurality of handles to be commonly held in support of filled cups.

2,153,392
ROAD TRAFFIC LANE DIVIDER
Robert R. Robertson, Chicago, Ill.
Application December 11, 1936, Serial No. 115,280
7 Claims. (Cl. 94—1.5)

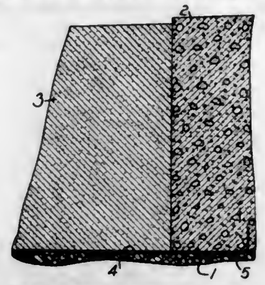


1. The combination with a concrete road having a groove in the top thereof, of a traffic lane divider seated upon the road to cover the groove, and a base portion formed on the traffic lane divider and transversely compressible to be sprung into the groove to hold the traffic lane divider anchored in position.

2,153,393
ROAD SEAL
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application April 14, 1937, Serial No. 136,724
3 Claims. (Cl. 94—33)

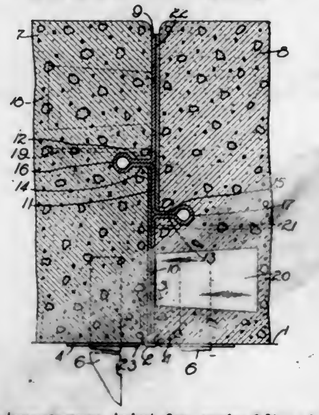
1. The combination with a road subgrade and a concrete slab supported thereon, of a seal device comprising a plate member supported on the subgrade beneath the concrete slab, anchoring means formed on the plate member and extending into the concrete, and an extension integrally

formed with the plate member and projecting beyond the side of the concrete slab to divert water



away from the side of the slab to obviate the entrance of water under the slab.

2,153,394
TRANSVERSE ROAD JOINT
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago Heights, Ill., a corporation of Illinois
Application May 24, 1937, Serial No. 144,423
12 Claims. (Cl. 94—18)



1. In a transverse joint for embedding between adjacent concrete road slabs, a joint forming mechanism comprising an upper plate including anchoring members projecting from one side thereof, a lower plate including anchoring members projecting from one side thereof, an intermediate plate disposed between the upper plate and the lower plate and substantially in the plane of one of said plates, looped anchoring sections projecting from opposite sides of the joint forming mechanism and integrally connecting the upper plate and said lower plate with the intermediate plate, and coverings of compressible material disposed on diagonally opposite sides of the joint forming mechanism to cover one side of the upper plate and one side of the lower plate, and both sides of the intermediate portion of the joint to obviate the adherence of said intermediate portion of the joint to said road slabs.

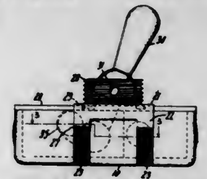
2,153,395
DECORATIVE SHIELD FOR LAMPS
Henri Sadacca, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1936, Serial No. 94,616
4 Claims. (Cl. 240—10)

1. A device adapted to be attached to a support comprising an ornamental member including spaced projecting lugs having at the base thereof a flat face, a clip comprising an attaching end and having an opposite end including a flat portion, a flat head disposed at an angle to said



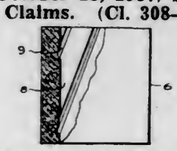
portion and having in the plane thereof a connecting neck which is adapted to frictionally engage between said lugs, whereby one face of said head and neck may engage against the first mentioned face.

2,153,396
SLOW BREAK SWITCH
Robert F. Sambleson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 9, 1937, Serial No. 173,619
4 Claims. (Cl. 200—151)



1. In a switch, a housing having a bearing surface therein a fixed contact member and a movable contact member, said movable contact member having a cam portion, cam-operating means movable along said bearing surface and coacting with said cam portion to separate said contacts, an insulating slider movable co-extensively with said means and adapted to be inserted between said contact blades when in separated position, and means to move said cam-operating means and slider.

2,153,397
MACHINABLE SINTER BEARING
Louis Sandler, New Castle, Pa., assignor to Johnson Bronze Company, New Castle, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 169,114
9 Claims. (Cl. 308—240)

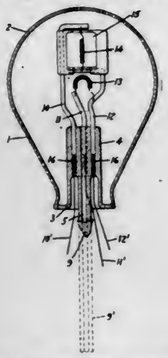


1. A sinter bearing comprising a porous metal member provided in its bearing surface proper with a plurality of parallel longitudinally disposed channels communicating with the bearing pores, the walls of said channels being mold finish.

2,153,398
ELECTRIC LAMP
Alfred Sittel, Fichtenau, kreis Niederbarnim, Germany, assignor to General Electric Company, a corporation of New York
Application August 25, 1937, Serial No. 160,850
In Germany October 3, 1936
3 Claims. (Cl. 176—36)

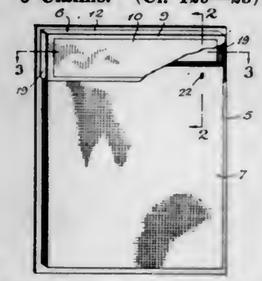
1. In an electrical device comprising a vitreous bulb having an electric energy translation element sealed therein, a stem of non-vitreous

ceramic material comprising a stem tube having a flared outer end sealed to an opening in said bulb and an integral exhaust tube within said stem tube extending longitudinally thereof, the inner end of said stem being transversely closed except as to a plurality of longitudinally ex-



tending openings therethrough one of which communicates with said exhaust tube, lead-in wires extending through the other of said openings and being hermetically sealed therein by fused vitreous material, and means hermetically sealing the outer end of said exhaust tube.

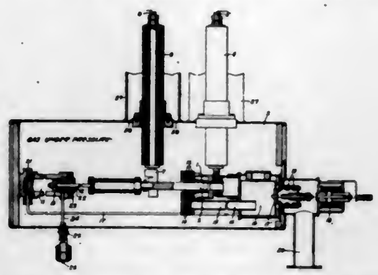
2,153,399
SAMPLE BINDER
Augustus Steinthal, New York, N. Y.
Application February 4, 1938, Serial No. 188,599
6 Claims. (Cl. 129—25)



6. A sample holder for swatches or the like, comprising a receptacle having opposed walls, end walls combining therewith to form an open end for receiving the ends of swatches, one of said opposed walls having an inturned flange along one edge thereof, inturned flaps extending from said end walls and engaging the other of said opposed walls, and headed fasteners extending through said flange, swatches, flaps and said other wall and having their heads interposed between the first named wall and said flange.

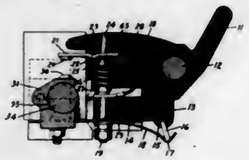
2,153,400
ELECTRICAL SWITCH GEAR
Henry Trencham, Ruislip, England, assignor to General Electric Company, a corporation of New York
Application December 31, 1937, Serial No. 182,875
In Great Britain December 14, 1936
5 Claims. (Cl. 200—148)

1. An electric high tension circuit-breaker comprising a casing for confining an insulating and arc-extinguishing gas under pressure, relatively movable contacts wholly disposed and sealed within said casing and insulated therefrom so that no live parts are exposed exteriorly of said casing, piston means within said casing for operating said contacts, valve means independent of said contacts for controlling an ex-



haust opening in said casing and for releasing pressure at one side of said piston for causing opening of said contacts, and a second valve means for releasing pressure at the opposite side of said piston for causing closing of said contacts.

2,153,401
ELECTRIC SWITCH
John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application September 29, 1937, Serial No. 166,277
7 Claims. (Cl. 200—154)

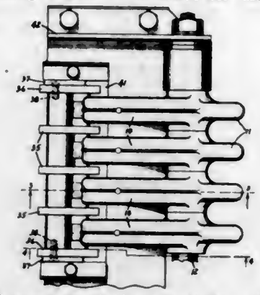


1. A switch comprising an operating member, a support, means pivotally mounting said member on said support for pivotal movement between open and closed circuit positions, a handle on said member, a switch contact, a conducting strip supporting said contact, a projection on said operating member forming a bearing for said strip, a spring between said operating member and said support for holding said strip on said operating member, a stationary contact secured to said support in position to be engaged by said movable contact when said operating member is moved to its closed circuit position, said strip moving on said projection as a pivot against the force applied by said spring to provide a wiping action upon engagement of said contacts.

2,153,402
ELECTRIC SWITCH
John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Original application September 29, 1937, Serial No. 166,277. Divided and this application June 30, 1938, Serial No. 216,790
7 Claims. (Cl. 200—10)

1. The combination with a switch provided with cooperating movable and stationary contacts, said movable contact being mounted for movement in a predetermined plane, of a substantially straight bar shaped permanent arc extinguishing magnet adjacent said stationary contact extending in a direction substantially

at right angles to said plane of movement, said magnet being made of a material having a high



coercive force consisting mainly of aluminum, nickel, and iron.

2,153,403
IRONING MACHINE
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application August 13, 1936, Serial No. 95,834
9 Claims. (Cl. 38—66)



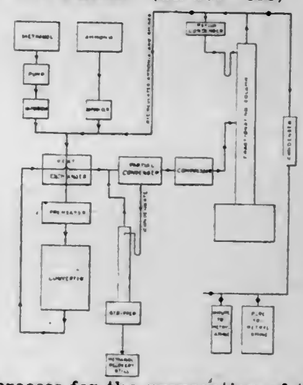
1. In an ironing machine, a buck on which the material may be arranged, a shoe having heating elements and a vapor pervious work contacting surface comprising metal fibers heated by said elements to a temperature substantially above the carbonizing temperature of the materials to be ironed whereby when the buck and shoe are in pressing engagement heat is conducted from said fibers for converting the moisture in the material being ironed into steam, and passage means associated with said shoe to exhaust to the atmosphere any steam which passes through said fibers.

2,153,404
METHOD OF MAKING STEMS FOR SEALED ELECTRICAL DEVICES
Arthur J. White, Cleveland Heights, and Percy J. Johnson, Shaker Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application April 19, 1934, Serial No. 721,270
5 Claims. (Cl. 49—78)



1. The method of making stems for sealed electrical devices which consists in assembling a stem tube, an exhaust tube inside of said stem tube and closed at one end and leading-in wires extending longitudinally between said tubes, fusing together portions of the walls of said stem tube and exhaust tube around their entire peripheries to enclose portions of said leading-in wires therein, the entire fused portions of said stem and exhaust tubes forming the side walls of a chamber and the closed end of the exhaust tube forming the end wall of said chamber, and delivering air pressure into said exhaust tube to prevent the said walls of the chamber from collapsing and to blow an aperture through a portion of said chamber.

2,153,405
MANUFACTURE OF TRIMETHYLAMINE
Chester E. Andrews, Overbrook, and Le Roy U. Spence, Cheltenham, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
Application May 21, 1936, Serial No. 80,952
8 Claims. (Cl. 260—585)

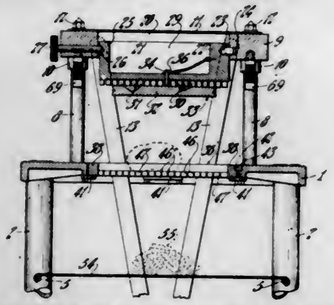


1. A process for the preparation of trimethylamine which comprises passing a mixture of methanol and ammonia at a temperature between 300° C. and 350° C. over a dehydrating catalyst, condensing from the product methanol and water, compressing the resulting mixture of ammonia and amines, fractionally distilling said mixture under a gauge pressure of approximately 200 pounds, retaining the residue in the still pot while continuously circulating the distillate with added methanol and ammonia over the dehydrating catalyst and back into the fractionating column until the system is charged with sufficient ammonia to produce the desired amount of trimethylamine, thereafter continuing the circulation of distillate with added methanol only until the material in the still contains at least 85% trimethylamine and then separating the reaction product by distilling at a pressure above 60 pounds gauge into one fraction containing trimethylamine and any unreacted ammonia, monomethylamine, and dimethylamine and a second fraction consisting of substantially pure trimethylamine.

2,153,406
PROCESS FOR THE PREPARATION OF METHACRYLIC ACID
Walter Bauer, Darmstadt, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application June 30, 1936, Serial No. 88,089. In Germany July 2, 1935
4 Claims. (Cl. 260—530)

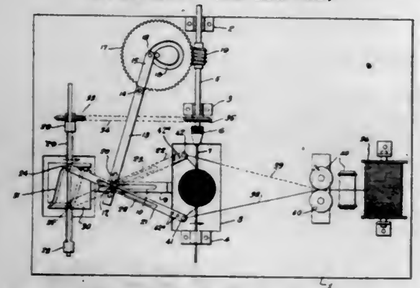
1. The process of oxidizing methacrolein to methacrylic acid which comprises treating the methacrolein in an inert anhydrous solvent with gaseous oxygen in the presence of an oxidation catalyst which is an organic salt of a metal of the group consisting of copper, nickel, cobalt and manganese.

2,153,407
VEGETABLE DICING, SLICING, AND SHREDDING MACHINE
Samuel J. Bell, Springfield, Mass., assignor to Arthur S. Hall, Springfield, Mass.
Application October 20, 1936, Serial No. 106,604
4 Claims. (Cl. 146—169)



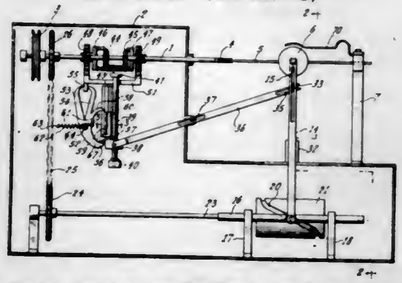
1. In a vegetable slicing, dicing, and shredding machine, a table provided with a rectangular opening, shelf members secured on the under side of said table and projecting into said opening, a knife frame freely supported in said opening and slidably supported on said shelf members to permit limited movement during operation of the machine, legs supporting said table, a platform supported on said legs below said table for receiving material forced through said knife frames, posts vertically supported on said table, a die frame, bushings in said die frame and projecting below said die frame, said bushings being slidably engaged on said posts, means for moving said die frame downwardly toward said table, means for normally supporting said die frame in a raised position above said table, a spacer plate secured on the top of said posts, a die block removably and adjustably supported in said die frame, a plurality of punch elements projecting downwardly on said die block, said knife frame being provided with a plurality of spaced, intersecting knife blades permanently fixed therein and having their cutting edges in one plane, the plane of said cutting edges being positioned below the upper surface of said table, said knife blades being spaced to provide openings which will register with one or more of said punch elements, said bushings serving as stops to prevent engagement of said die frame with the cutting edges of said knives.

2,153,408
METHOD OF MAKING GOLF BALLS
Boris Bogoslowsky, New York, N. Y.
Application January 29, 1937, Serial No. 122,957
10 Claims. (Cl. 154—19)



1. The method of forming a resilient ball, which comprises rotating a mandrel about its axis, winding an elastic strand under tension about a center point in said axis from a feed point which oscillates with varying amplitude in relation to said center point and in timed relation to the rotating mandrel with each oscillation of said feed point corresponding to more than 180° of rotation of the mandrel, and removing the mandrel after the ball is formed.

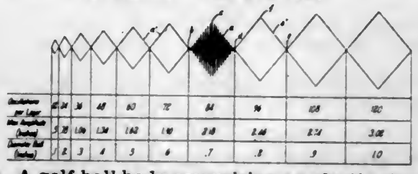
2,153,409
MACHINE FOR MAKING GOLF BALLS
Boris Bogoslowsky, New York, N. Y.
Application April 28, 1937, Serial No. 139,359
12 Claims. (Cl. 242—3)



5. In a machine for winding golf balls, in combination, a mandrel, means for rotating said mandrel, means for guiding a strand of elastic material to be wound on said mandrel, means for producing successive relative oscillatory movements between said mandrel and said guide means to vary the angle of incidence between said strand and said mandrel, means to vary the amplitude of said successive oscillatory movements continuously during the winding operation between successive maximum and minimum amplitudes, and means to vary the extent of successive maximum amplitudes and also to vary the period between successive maximum amplitudes of said oscillatory movements.

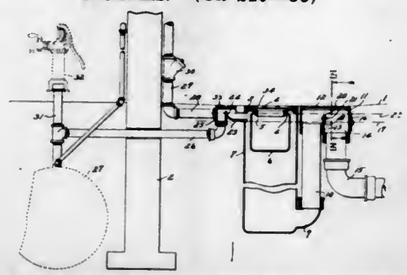
10. In a machine for winding golf balls, in combination, a mandrel having a weakened portion intermediate its length, means for rotating said mandrel, means for guiding a strand of elastic material to be wound on said mandrel about said weakened portion as a center, and means for producing relative oscillatory movement between said mandrel and said guide means about said weakened portion as a center to vary the angle of incidence between said strand and said mandrel.

2,153,410
GOLF BALL
Boris Bogoslowsky, New York, N. Y.
Application March 28, 1938, Serial No. 198,362
10 Claims. (Cl. 273—62)



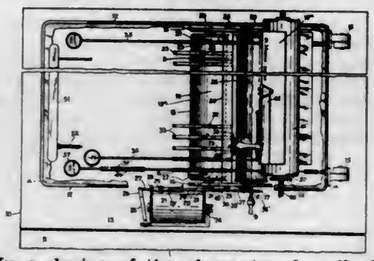
1. A golf ball body comprising an elastic strand under tension, said strand being wound in successive series of convolutions in respect to a given axis of rotation, the successive convolutions of each series crossing an imaginary equatorial line lying in a plane perpendicular to said axis of rotation at progressively increasing angles up to a maximum angle approaching 90° and then at progressively decreasing angles down to a minimum angle approaching 0°.

2,153,411
DRAINAGE SYSTEM FOR SEPARATING OIL FROM WASTE WATER
Edward W. N. Boosey, Detroit, Mich.
Application October 26, 1936, Serial No. 107,546
5 Claims. (Cl. 210—56)



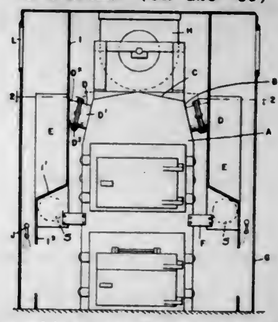
1. A drainage system comprising a container, a head extending into the container at the top and having a central discharge opening, a grating carried by the head, a receptacle supported on the said head having a closed bottom and side walls into which liquid flows from the discharge opening of the head, the walls at the upper end of the receptacle having apertures through which liquid flowing into the receptacle overflows therefrom to the container, a sewage outlet at the bottom of the container having a vertical portion for determining the level of liquid in the container, an oil outlet opening to the top of the container below the said head, said outlet being constructed to provide a dam, a vertical plate at the upper end of said vertical portion of the sewage outlet having an aperture for discharge of material and determining the normal water level at a point below the oil outlet and further having a vertically adjustable portion providing a dam determining the flow water level in a plane below the plane of the dam in the oil outlet, and providing a structure in which, as mixed water and oil are discharged into the container through the grating, the increased level of liquid in the container causes oil accumulated on the surface to flow over the dam in the oil outlet, a storage tank to which the oil may flow from the said outlet, and a vent means connected with the outlet and venting the tank and container.

2,153,412
AUTOMATIC MONITOR FOR MACHINE CONTROLS
John P. Buckley, Washington, D. C.
Application December 17, 1937, Serial No. 180,432
24 Claims. (Cl. 35—48)



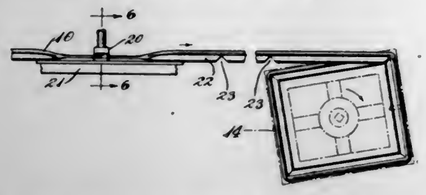
1. In a device of the character described, the combination with a keyboard and a holder for a printed lesson sheet shiftably mounted and having a shield associated therewith and movable into and out of concealing relation to a portion of a sheet carried by the sheet holder; of means for controlling manipulation of keys of the keyboard including an electric circuit maker and breaker having a stationary contact and movable contacts individually movable towards the stationary contact when keys of the keyboard are depressed, insulating material movable across the stationary contact and having openings for exposing portions of the stationary contact under predetermined movable contacts as the insulating material is moved across the stationary contact, and means for imparting movement to the insulating material including an element energized when a movable contact engages the stationary contact; and means for recording movements of the shield out of shielding relation to the sheet holder including a marker movable into and out of marking engagement with the printed lesson sheet and controlled by movements of the shield relative to said sheet holder.

2,153,413
WARM AIR FURNACE
Ernest I. Dail, Lansing, Mich., assignor to Dail Steel Products Company, Lansing, Mich., a corporation of Michigan
Application July 6, 1936, Serial No. 89,201
6 Claims. (Cl. 126—99)



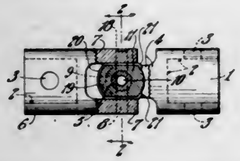
1. The combination of a substantially rectangular casing containing a combustion chamber, a rectangular radiator casing arranged at one side parallel to and spaced from said combustion chamber casing, connections for passing the gaseous products of combustion from the combustion chamber to the upper portion of said radiator downward therethrough and outward from the lower portion thereof to the chimney connection, a jacket surrounding said furnace casing and radiator and spaced therefrom, a cold air entrance opening in the upper portion of said jacket adjacent to the outer wall of the radiator, a baffle extending through said jacket separating the space therein adjacent the outer walls of said radiator from the space between the inner wall of said radiator and combustion chamber casing, said baffle being in the plane of the inner wall of said radiator for the greater portion of the height of said radiator and forming a continuation of the inner wall of said radiator said baffle terminating above the base to connect said spaces at the lower ends thereof, and air propelling means in the upper portion of said furnace for drawing the air towards the same, thereby causing the air entering said opening to pass downward through said outer chamber then upward through said inner chamber and then outward to the points of distribution.

2,153,414
METHOD OF MAKING GASKETS
Howard M. Dodge, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 26, 1936, Serial No. 65,839
4 Claims. (Cl. 18—6)



1. The method of making gaskets of polygonal form which comprises notching a strip of plastic material at spaced intervals, winding the strip about a polygonal form with its notched portions adjacent corners thereof, and vulcanizing the strip while it is conformed to the form.

2,153,415
UNIVERSAL JOINT
Frederick C. Fett and Ralph K. Goddard, Springfield, Mass., assignors to Curtis Universal Joint Co., Inc., Springfield, Mass., a corporation of Massachusetts
Application October 20, 1937, Serial No. 170,032
4 Claims. (Cl. 64—17)



1. In a universal joint construction, a center block, a pivot pin, said center block having opposed, parallel flat faces and being bored perpendicular to said faces for receiving said pivot pin, said center block being provided with transverse grooves in said faces and communicating with said bore, said pivot pin being provided with spaced segmental grooves registering with the grooves in said center block and a U-shaped wire keeper engaged in the grooves in the center block and pivot pin for holding said pivot pin against axial movement.

2,153,416
TREATMENT OF ANIMAL AND VEGETABLE FIBERS
Leo Frenkel, New York, N. Y., assignor to The Hatters' Fur Exchange, Inc., Walden, N. Y., a corporation of New York
No Drawing. Application May 22, 1936, Serial No. 81,273
5 Claims. (Cl. 8—109)

1. In the bleaching of fibers the method which comprises treating the fibers with a solution of hexamethylenetetramine, hydrogen peroxide and a catalyst.

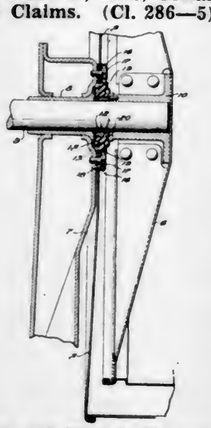
2. In the bleaching of fibers the method which comprises treating the fibers with a solution of hexamethylenetetramine, hydrogen peroxide, a catalyst, and a detergent comprising an oil having one or more chlorinated compounds and an emulsifying agent.

2,153,417
SURGICAL INSTRUMENT
Edward Gauly, Cleveland, Ohio
Application January 26, 1937, Serial No. 122,404
3 Claims. (Cl. 128—297)



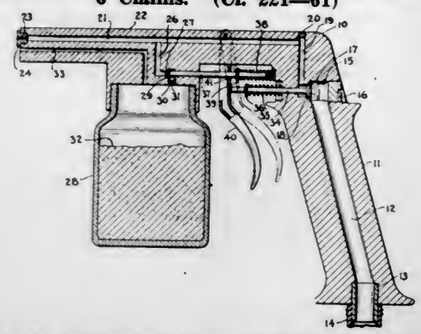
2. An attachment for a surgical, liquid dispensing instrument comprising an axially perforated, angularly bent spatula means, means at one end of said spatula means for connecting same to a surgical instrument, a flat, thin, somewhat flexible, axially perforated end portion at the other end of said spatula means, and a slot in said other end portion of said spatula means at the end thereof intersecting its axial perforation.

2,153,418
SEAL CONSTRUCTION
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application June 22, 1936, Serial No. 86,472
2 Claims. (Cl. 286—5)



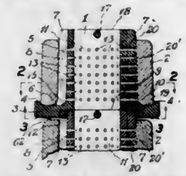
1. A seal for a rotating shaft comprising a sealing ring having an inside diameter less than the outside diameter of the shaft to be sealed, a two-part casing for supporting said ring axially including axially spaced radially extending walls abutting opposite axial end faces of said sealing ring, a resilient ring surrounding and bearing upon the outer circumferential surface of said sealing ring, said casing being adapted and arranged to exert radial compression on said resilient ring when secured in position and means for securing said casing walls together.

2,153,419
COMBINED BLOWER AND POWDER SPRAYING DEVICE
Harley W. Hoffman, Akron, Ohio
Application October 29, 1937, Serial No. 171,739
6 Claims. (Cl. 221—61)



1. A combined air blower and powder spraying device comprising means providing an air duct, a valve on said air duct, means providing an air outlet duct from said valve, a powder receptacle, means providing a duct connecting said air outlet duct with said powder receptacle, a valve on said connecting duct, means providing an air and powder outlet duct from said receptacle, and means for operating said valves so as to supply a stream of air only from said device or a stream of air along with entrained powder.

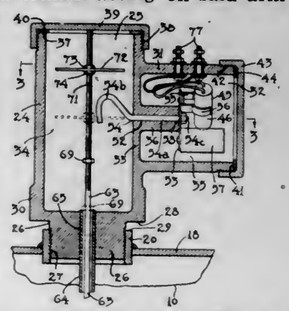
2,153,420
PACKAGE INSERT ADAPTABLE FOR THE MOUNTING OF FINE FILAMENTOUS THREAD IN ANNULAR PACKAGE FORM
Charles A. Huttinger, Lakewood, Ohio, assignor to Acme Rayon Corporation, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1936, Serial No. 117,620
3 Claims. (Cl. 18—8)



3. Package inserts adaptable for the mounting of fine filamentous thread in annular package form consisting of an integrally formed rubber column and a package-supporting flange outwardly-extended therefrom, said column having a passage therethrough and having a multiplicity of ports communicating with said passage, said column being provided with spaced outwardly-extended rubber bars inegrally formed therewith for holding portions of the inner face of a package mounted on the column at spaced distances exteriorly of the exterior of the column, in the normal annular shape of the package, the adjacent spaced bars being spaced apart a distance sufficient to form openings permitting substantial portions of the package to move inwardly relatively to the column, under the action of a treating liquid.

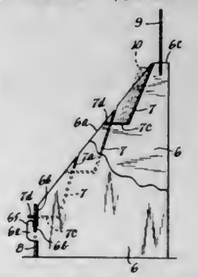
2,153,421
FLOAT SWITCH
William R. Jessup, Minneapolis, Minn.
Application July 9, 1937, Serial No. 152,745
5 Claims. (Cl. 200—84)

1. A unitary device of the character described comprising an upright case formed with a horizontal branch, the case having an opening at its upper end and a removable cap normally closing said opening, said branch having an opening at its outer end and a removable cap normally closing the opening therein, a plug at the lower end of the case for attachment to a fitting in an opening in the top of a tank, a float rod, said plug having a bore therein slidably receiving said rod for vertical movement, a float mounted on the lower portion of said rod and adapted with said portion of said rod to be passed through said tank fitting and positioned within the tank, an arm rockably mounted within the device, the outer end of said arm being disposed within said branch and the inner end thereof within the case, an electric switch within said branch, said switch having a part movable with said arm, means within said branch acting on said arm to move



the arm in one direction and "throw off" the switch, an actuating member mounted on the upper portion of the float rod and adapted, upon the descent of said rod, to engage the inner end of said arm from above and move the arm to "throw on" the switch, the opening in the case initially admitting said actuating member to the case, the opening in the branch initially admitting said switch and companion parts to said branch, the removal of the cap from the case normally affording access to said actuating member and to the interior of the case and its contained parts independently of and apart from the branch and the parts contained therein, the removal of the cap from the outer end of said branch normally affording access to the switch and companion parts independently of and apart from the case proper and the parts contained therein.

2,153,422
DISPLAY RACK
Julius Kroman, Minneapolis, Minn.
Application October 15, 1938, Serial No. 235,197
5 Claims. (Cl. 211—72)



1. A disassembleable display rack comprising, a pair of similar aligned panels normally situated in respective spaced, parallel, vertical planes

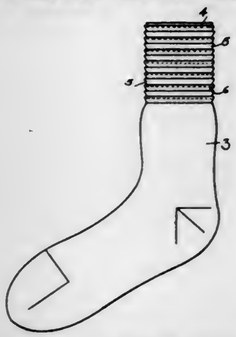
and each having a sloping forward edge, a series of generally rectangular article-supporting members arranged parallel to each other in a series extending parallel to said forward edges, each of said members normally extending from one to the other of said panels and being bent to be disposed other than horizontally in its upper portion and to extend generally forwardly in its lower portion, supporting elements projecting outwardly from the respective end edges of each of said members, said panels supportingly receiving said elements, and supporting elements projecting forwardly from the forward edge of each of said members, each of said members adjoined by another one of said members thereabove in its upper portion supportingly receiving the forwardly projecting supporting elements of said other one of said members.

2,153,423

HOSIERY

William J. Longtin and Walter A. Saussaman, Reading, Pa., assignors to Infants Socks, Inc., Reading, Pa., a corporation of Delaware

Application September 26, 1936, Serial No. 102,644
8 Claims. (Cl. 66—173)



2. A tubular knit stocking having a pain leg and a rib top, said rib top comprising inside rib and outside plain wales and having a series of ornamental raised roll welts in each of which a small roll of plain jersey fabric is knitted on the plain outside wales for several courses with the stitches of the inside rib wales for said several courses being held loops, and one or more elastic threads inlaid in one or more spaced courses throughout the rib top portion having said series of ornamental welts.

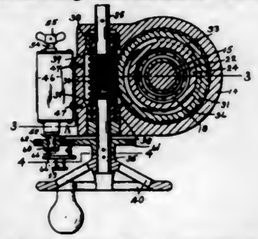
2,153,424

POSITION INDICATOR FOR MACHINE TOOLS

William L. MacRae, Syracuse, N. Y., assignor to Dalrae Tools Company, Syracuse, N. Y., a partnership composed of De Forest Alonzo Lapham and William L. MacRae

Application October 7, 1937, Serial No. 167,796
2 Claims. (Cl. 90—16)

1. In a machine of the class described having a rotatable tool supporting spindle mounted in a case for axial movement with respect to said case toward and from a work support, positioning mechanism including a shaft operatively connected with said spindle and rotatably mounted in said case, said shaft being extended outwardly at one end beyond said case and having handle means connected therewith whereby the shaft may be manually rotated, means for indicating the position of the tool with respect to the work including a mechanical counter of the multiple register wheel type having mechanical connections between the wheels for periodically transmitting motion from a wheel of one denomination to an adjacent wheel of another denomination and a rotatable drive shaft operatively connected with one of said register wheels, means operatively connecting the mechanical counter to the case in close proximity to the first mentioned shaft, and means operatively connecting the shaft of said positioning mechanism with the drive



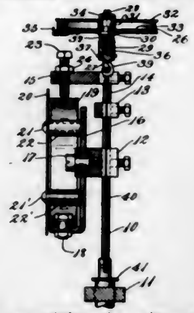
shaft of said counter for actuating said latter shaft in predetermined relation to said axial movement of the spindle including a pair of gear members, one of said gear members being mounted on the shaft of the positioning mechanism intermediate the handle and said case, the other one of said pair of gears being fixedly secured to the drive shaft of the mechanical counter, and an idler gear rotatably connected with the case in meshing engagement with said pair of gear members.

2,153,425

APPARATUS SENSITIVE TO ATMOSPHERIC CONDITIONS

Albert T. Matthews, Thomaston, Ga., and Charles C. Cadden, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 6, 1936, Serial No. 57,698
3 Claims. (Cl. 297—1)



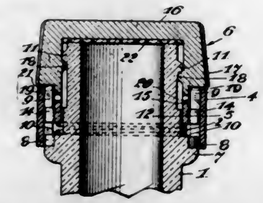
1. Apparatus sensitive to atmospheric conditions, said apparatus comprising an element responsive to humidity changes, an element movable in the vertical direction in response to temperature changes, a carrying structure interposed between said elements and resting with at least a part of its weight upon the temperature responsive element to follow the vertical movements thereof, said carrying element including adjustable means for varying the vertical position of said carrying structure with relation to said temperature-responsive element to compensate for adjustment of said temperature-responsive element, the humidity responsive element being suspended from said carrying structure and movable therewith, and a control element mounted for operation by movement of said humidity responsive element.

2,153,426

SEALED PACKAGE AND PARTS THEREOF

William L. McNamara and John Errett, Connellsville, Pa., assignors, by mesne assignments, to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application December 18, 1933, Serial No. 702,884
12 Claims. (Cl. 215—7)



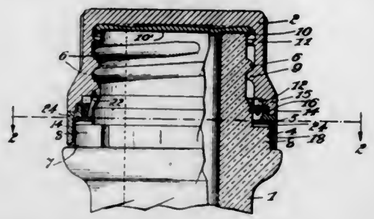
6. In a device of the class described, the combination of a container having a projection thereon and having external screw means, a preformed rupturable member adapted to fit over the end of the container and having a portion thereon adapted to lock with said projection on the container to prevent more than a predetermined amount of rotation thereof with respect to the container without causing said portion to ride over said projection and rupture said rupturable member, a screw closure cap secured to the external screw means on said container, and means for locking said closure cap to said rupturable member to prevent removal of said closure cap from the container without rupture of said rupturable member.

2,153,427

CAP AND PACKAGE

Joseph R. Fleisch, Clifton, N. J., and John Kosar, Brooklyn, N. Y., assignors to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application September 17, 1934, Serial No. 744,292
17 Claims. (Cl. 215—7)



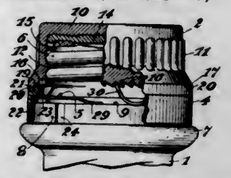
9. In a container closure means, the combination of an internally threaded closure adapted to engage an external thread on a container and to close the container opening, an externally visible preformed readily breakable indicator member structurally separate from the closure and adapted to be freely assembled with the container without substantial change in size or shape, a metallic ring having resilient prongs and serving to connect the indicator member with the closure to permit relative rotation in one direction and to prevent relative rotation in the opposite direction and cooperating with the closure to prevent removal of the indicator members from the closure means while the former remains unbroken, and means for normally causing the breaking of the indicator member upon substantial rotative movement thereof.

2,153,428

NONTAMPERABLE PACKAGE AND PARTS THEREOF

John G. Kosar, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application October 15, 1935, Serial No. 45,055
8 Claims. (Cl. 215—7)



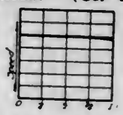
2. In a device of the class described, the combination of a breakable collar having a pair of recesses therein and a resilient split ring member having radially outwardly extending portions fitting into said recesses, said ring member having a downwardly facing spring portion and having one end thereof extending upwardly to provide a projection for engaging a closure cap.

2,153,429

ADJUSTMENT OF SPEED-LOAD CHARACTERISTICS OF MILL MOTORS

Edward N. Millan and Ernest G. Schlup, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application June 6, 1936, Serial No. 83,974
6 Claims. (Cl. 80—35)



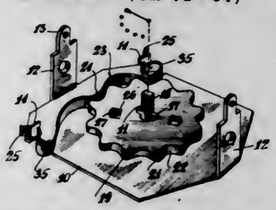
1. The method of operating a tandem train of hot or cold mills, which includes providing motors therefor having adjustable speed-load characteristics, and adjusting the characteristics of said motors so that their curves are progressively different from the first to the last mill.

2,153,430

SWITCH INDEX MECHANISM

Kennard Newman, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

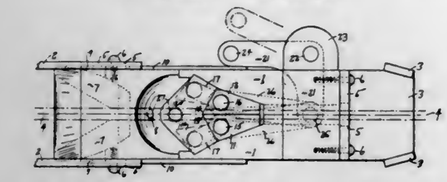
Application November 20, 1937, Serial No. 175,612
1 Claim. (Cl. 74—97)



An electric switch index mechanism comprising a switch mounting plate, a rotor control shaft passing therethrough, a notched disc mounted on said shaft to rotate therewith, said disc being adjacent said mounting plate, a pair of opposed projections upstanding from said mounting plate beyond the edge of said notched disc, and a replaceable index spring mounted between said projections, said index spring comprising a leaf

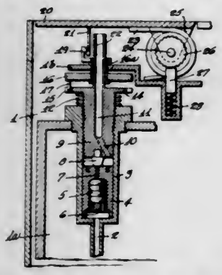
spring having a central disconformity engaging the edge of said notched disc, the ends of said leaf spring being angularly disposed with respect to the body of said spring and having hooked ends engaging and hooking against the inner sides of said upstanding projections whereby said spring is held in compression between said projections.

2,153,431
ROD TRIMMING DEVICE
Stone C. Osberg, Poland, Ohio
Application March 23, 1938, Serial No. 197,537
6 Claims. (Cl. 80—3)



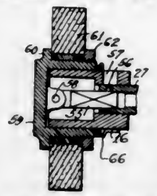
1. In a rod trimming device, adapted to be positioned between the stands of a continuous rolling mill, and comprising a body member, a pair of dies having opposing cutting edges movably positioned within the said body member and adapted to trim the "fin" or "overfill" from a rod being passed therethrough, the said dies being positioned adjacent to and parallel with the said rod when in trimming position and held in correct trimming position by their wedging, through their sides, against a hollowed out portion of the said body member, together with means for moving the said dies to an open position so that a rod entering the device will pass the cutting edges thereof with ease, and to move the said dies to a trimming position once the rod has entered between the said dies.

2,153,432
LIGHTER
Otto Reich, Vienna, Austria, assignor of one-half to Julius Vignati, Vienna, Austria
Application November 13, 1935, Serial No. 49,454
In Austria November 17, 1934
6 Claims. (Cl. 67—7.1)



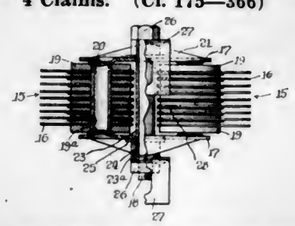
1. In a lighter, comprising an outer case, a gas compartment in said case, a casing projecting into said compartment, a tube at the lower end of said casing establishing communication between said compartment and the interior of said casing, a body in the lower end of said casing having a central bore widened at its lower end, a plurality of superposed porous elements in the widened end of said bore, a plug screwed into the upper end of said casing and having a central bore, a burner tube forming an extension of said bore, a closing member between said plug and said body, said member adapted to be pressed against the upper side of said body to close the bore thereof, and operating means for turning said plug to lift said closing member off said body to control the passage of gas from said compartment to said burner.

2,153,433
DRIVE ADAPTER FOR MACHINES
Adolph O. Schaefer, Brooklyn, N. Y., assignor to Atlantic Service Company Inc., Brooklyn, N. Y., a corporation of New York
Application April 8, 1937, Serial No. 135,709
3 Claims. (Cl. 64—4)



3. An adapter for a driving mechanism comprising a frame with a rotating shaft, an arbor with means for attaching to said frame having a hollow core with a spindle coupled to said rotating shaft, a hollow cap for the end of said arbor rotating on said arbor, a grinding tool mounted on said cap and coupling means connecting the inside centre of said cap with said spindle.

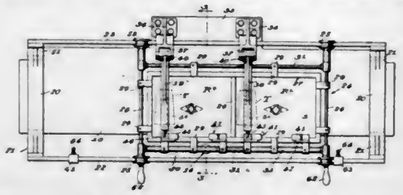
2,153,434
RECTIFIER
Kurt E. Schimkus, Chicago, Ill., assignor, by mesne assignments, to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 15, 1934, Serial No. 753,139
4 Claims. (Cl. 175—366)



1. A dry surface contact rectifier comprising, in combination, a pair of stacks of rectifying couples arranged side by side, an elongated bridge member extending from one stack to the other at each end thereof, a central insulated securing device extending between said bridges and adapted to exert pressure through said bridges upon said stacks, and disks interposed between the ends of said stacks and said bridges and having engagement with said bridges only over central portions of said disks.

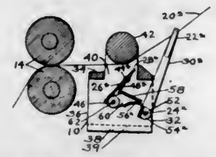
2,153,435
MULTICOLOR STENCILING APPARATUS
Henry W. Schneider and Edward R. Lowndes, Toledo, Ohio, assignors to Libbey Glass Company, a corporation of Ohio
Application July 2, 1937, Serial No. 151,674
9 Claims. (Cl. 101—115)

1. In a multi-color stenciling apparatus, a stencil screen movable in its own plane and provided with spaced pervious portions, means for supporting a plurality of articles having curved surfaces in tangential rolling line contact with



said screen, and a squeegee for each pervious portion of the screen.

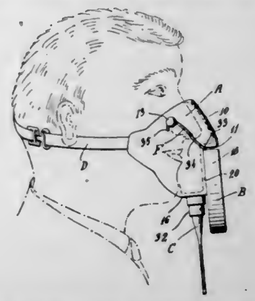
2,153,436
TRAPPING OR CUTTING DEVICE FOR USE IN TWISTING, WINDING, SPINNING, DOUBLING, OR LIKE MACHINES
Rudolph C. Scholz, Providence, R. I., assignor to Henry Owens & Company, Inc., Providence, R. I., a corporation of Rhode Island
Application August 10, 1938, Serial No. 224,077
12 Claims. (Cl. 57—87)



1. A trapping or cutting device for use in twisting, winding, spinning, doubling or like machines having twisting or draft means acting on a plurality of strands capable of exerting a uniform tension on the strands with variations in the slack thereof, comprising individual cutting or trapping means for each strand, individual strand guide means for each strand adapted to keep said strands separate and yieldable resilient means interposed between each strand guide means and its cutting or trapping means, each of said individual strand guide means being pivotally mounted to be supported by its respective strand in a normal operating position substantially above but slightly offset from its pivot to normally exert a light weight on its respective strand and adapted to drop of its own weight a substantial distance away from its pivot to continuously maintain a uniform tension on said strand with increasing leverage until either on an accumulation of a predetermined amount of slack in or on breakage of said strand, said strand guide means may drop with sufficient increased leverage to actuate of its own power said yieldable means to actuate all said cutting or trapping means to break all said strands.

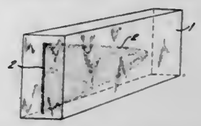
2,153,437
RESPIRATOR
Nathan Schwartz, New York, N. Y.
Application June 16, 1937, Serial No. 148,437
5 Claims. (Cl. 128—146)

1. A respirator, a hollow mask body of substantially flexible material, adapted to cover the nose and mouth of the wearer, having a set back portion below the nose line defining a horizontal nose covering portion and a vertical mouth covering portion, a supporting element having a central portion as well as sides and terminal ends, with the said central portion emplaced in the said set back portion, the sides extending to the nasal area of the said body, and the terminal ends arranged thereat to cause pressure to the said body at the said nasal area, thereby providing a



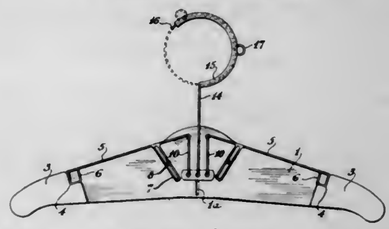
leak proof engagement between the face of the wearer and the said body at the said area.

2,153,438
ICE CUBING MACHINE
Henry C. Sheldon, Oak Park, and Willis H. Towne, Wilmette, Ill., assignors to Gifford-Wood Company, Hudson, N. Y., a corporation of New York
Application October 14, 1937, Serial No. 168,960
2 Claims. (Cl. 143—38)



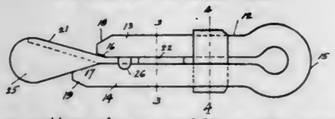
1. In a device of the character described for forming prisms from a cake of ice, the combination with ice-cutting means disposed in planes substantially at right angles to each other, said means including a plurality of laterally spaced cutting elements for parallelly scoring said ice cake in one direction, the central cutting elements being more closely spaced than the remaining, substantially equally spaced elements whereby prisms may be severed from a central zone of said ice cake of a lesser width than those from zones contiguous thereto, of means for segregating the prisms of different widths.

2,153,439
GARMENT HANGER
Herbert L. Stell, Cleveland, Ohio
Application August 1, 1936, Serial No. 93,843
6 Claims. (Cl. 223—93)



1. A clothes hanger comprising a frame, a pair of garment engaging arms movably carried thereby, the frame being formed to provide arm receiving recesses, the arms being movable from a position in the recesses of the frame to a position thereabove.

2,153,440
COTTER PIN
Sven J. Strid, Chicago, Ill., assignor to T & S Corporation, Chicago, Ill., a corporation of Illinois
Application April 10, 1937, Serial No. 136,170
5 Claims. (Cl. 85—8.5)



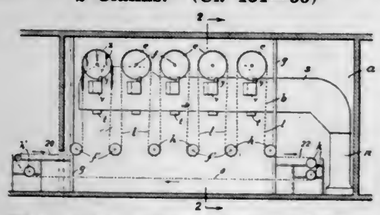
3. In a cotter pin assembly, a pin comprising a pair of arms connected together by a loop portion, one of said arms being materially longer than the other, the free ends of said arms being slightly spread apart and beveled at their inner and outer sides, and a spreader member between said arms having shoulders extending laterally outwardly at one end and a wedge portion at the other end with the thin portion of the wedge on the side toward the shoulders.

2,153,441
FLUID CONTAINER AND METHOD OF PRODUCING
Neil E. Tillotson, Watertown, Mass.
Application May 19, 1937, Serial No. 143,570
3 Claims. (Cl. 91—68)



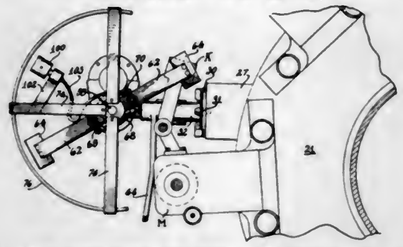
1. The method of producing a flexible hot water bag, which consists in cutting and joining a napped fabric to form a bag closed except for a mouth opening at one end and with the napped surfaces at the inside of the bag, distending the bag through a collapsible form inserted through the opening, closing the mouth of the bag to prevent entry of liquid, dipping the exposed surface of the bag in rubber latex to thoroughly coat the exposed surface of the bag exteriorly, curing the latex coating, removing the form, and turning the bag right side out to expose the untreated napped surface and locate the rubber coating at the inside of the bag.

2,153,442
METHOD FOR CONDITIONING TOBACCO
Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 6, 1935, Serial No. 53,137
2 Claims. (Cl. 131—55)



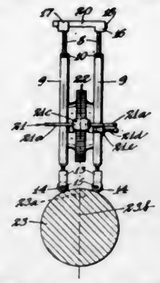
1. The method of conditioning tobacco which includes moving dry tobacco in a conditioned atmosphere for the purpose of moistening the tobacco characterized by the fact that the rate of movement of the tobacco in the conditioned atmosphere is increased after the tobacco has absorbed sufficient moisture to have acquired a pliability.

2,153,443
LUBRICATING DEVICE FOR CUT-OFF KNIVES
Bernard Wellnitz, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 14, 1937, Serial No. 148,090
17 Claims. (Cl. 49—5)



1. The combination with a rotary glassware forming machine having an annular series of blank molds, a cut-off knife for each mold and means for actuating the knife to sever glass in the mold from a supply body, of a lubricant carrying swab adapted to register and contact with said knives for applying lubricant thereto, and means for moving said swab into contact with successive knives when the latter are out of glass severing position.

2,153,444
CENTERING GAUGE
Henry J. Wepplo, Minneapolis, Minn.
Application August 12, 1938, Serial No. 224,473
12 Claims. (Cl. 33—185)

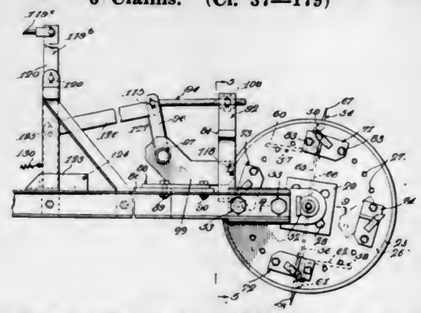


1. A centering device for use in placing the axis of a cylindrical element in a plane extending parallel to and midway between the respective radially disposed faces of a rotary cutter comprising, a pair of parallel, elongated members adapted to be placed adjacent said respective faces in parallel relation therewith, means interconnecting said members to permit longitudinal movement of one thereof relative to the other, said elongated members being adapted at one end of the pair thereof for engagement with the periphery of said cylindrical element, and an indicating element carried by one of said members and co-acting with a portion of the other of said members to indicate when said periphery-engaging ends of the respective members have become situated in a common plane normal to a line extending radially of said cutter to said axis.

2,153,445
PROCESS OF PREPARING STARCH PASTES
John J. Willaman, Robert A. Diehm, and Edward W. Clark, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application April 21, 1936, Serial No. 75,548
17 Claims. (Cl. 195—114)

1. In a process of preparing a starch paste by diastatic enzyme action the improvement which comprises incorporating in the reaction mixture an activating amount of an inorganic oxidizing agent that will react with water to liberate oxygen selected from the group consisting of the alkaline earth peroxides and alkali, alkaline earth and ammonium salts of hydrochlorous, persulphuric and perboric acid.

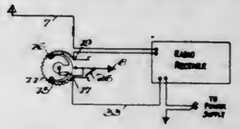
2,153,446
MACHINE FOR LEVELING LAND AND FORMING BORDERS
John J. Allison, Chandler, and Isham F. Collier, Tempe, Ariz.
Application April 20, 1938, Serial No. 203,176
6 Claims. (Cl. 37—179)



1. In a mobile machine of that type including a body part and a controllable revoluble scraping and dumping structure carried by and spaced from said body part, said machine comprising a pair of sets of spaced keepers adapted for connection to, selectively adjustable relative to and disposed in laterally extended relation with respect to the ends of said structure, a pair of spaced upstanding parallel oppositely shiftable latching members disposed in the path of and for coaction with selected keepers for selectively controlling intermittent successive complete revolutions and intermittent successive part revolutions of said structure to provide for alternate successive scraping and dumping actions of the latter, upstanding supports adapted to be secured to said body part, said supports extending into and having means at the rear thereof for pivotally supporting said members intermediate the ends of the latter, and spring controlled shifting means common to said members adapted to be carried by said body part, said spring controlled means being journaled in the front of said supports and pivotally connected to the upper ends of said members.

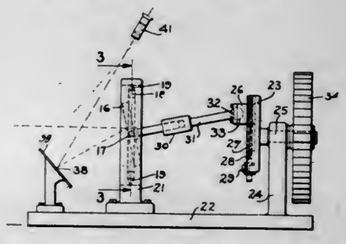
2,153,447
RADIO RECEIVER
Ira O. Banks, Higginsville, Mo.
Application October 24, 1936, Serial No. 107,487
4 Claims. (Cl. 250—20)

1. In a radio receiver having a signal input circuit, a power supply circuit and a common return such as a ground for said circuits, a resistance unit comprising a single unbroken resistance having opposed terminals connected respectively to said signal input circuit and said power supply circuit and a movably mounted contact member connected to said common return, said contact



member having thereon a pair of contacts engaging said resistance and spaced a predetermined distance apart so as to always render ineffective a section of the resistance therebetween, the contacts being positively connected for movement in unison.

2,153,448
APPARATUS FOR OBSERVING REVOLVING OBJECTS
Arthur Robert Boaz, Acton, London, England, assignor to R. Hoe & Co., Inc., New York, N. Y., a corporaton of New York
Application August 30, 1935, Serial No. 38,509
6 Claims. (Cl. 88—14)

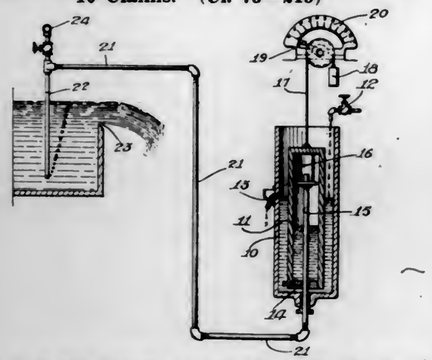


1. In an apparatus for observing an object on a revolving element, a fixed light reflecting surface, an inclined reflecting surface mounted for universal movement which varies its inclination and maintains it in continuous reflecting relation with the fixed reflecting surface, means for operably connecting the revolving element and the said movable reflecting surface to impart universal movement to the said reflecting surface in synchronism with the revolving element thereby varying the inclination of the movable reflecting surface in accordance with the movement of the object on the revolving element to continuously reflect an image of the revolving object to the fixed reflecting member, the fixed reflecting member reflecting the said image to a fixed viewpoint.

2,153,449
CLARIFICATION OF RAYON SPIN BATHS
Robert B. Booth, Westfield, N. J., assignor to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware
No Drawing. Application July 7, 1937, Serial No. 152,469
4 Claims. (Cl. 209—166)

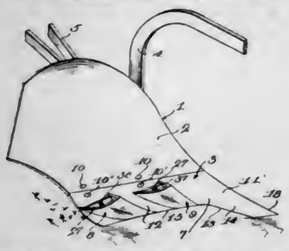
1. A method of clarifying fouled regenerating baths from the regeneration of hydrated cellulose from viscose which bath contains sulphur deposited out of solution, which comprises subjecting the bath to froth flotation and removing the froth which contains the bulk of the turbid impurities.

2,153,450
SINGLE HEAD METER
Moro M. Borden, Philadelphia, Pa., assignor to Simplex Valve and Meter Company, Philadelphia, Pa., a corporation of Delaware
Application May 16, 1938, Serial No. 208,305
10 Claims. (Cl. 73—215)



1. In a weir meter or the like, a weir, a liquid-containing chamber, an open-bottomed float in the chamber, an indicator operated by the float, a bubble pipe having its mouth submerged in the liquid upstream of the weir, a conduit connecting said bubble pipe and the interior of said float and a source of gaseous pressure communicating with said conduit, the mouth of said bubble pipe being submerged in the liquid to an extent such that the effective pressure in the float counterbalances the effective weight of the float when flow over the weir is zero.

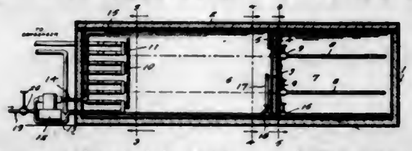
2,153,451
PLOWSHARE STRUCTURE
William E. Brelsford, Mendota, Ill., assignor of one-third to Kenneth Austin Davis, Mendota, Ill.
Application April 20, 1938, Serial No. 203,174
5 Claims. (Cl. 97—125)



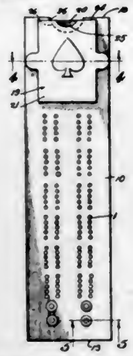
1. A plowshare structure including a plowshare member formed of a leading part and a follower part, said leading part being pointed, and a plurality of pointed soil breaking and pulverizing elements positioned against and disposed in diagonal relation with respect to the outer side of said following part, each of said elements having the front thereof in transverse cross section of a contour corresponding to the segment of a circle.

2,153,452
COOLER
Charles I. Brown, Duboistown, Pa.
Application April 29, 1938, Serial No. 205,078
1 Claim. (Cl. 62—101)

A chilling device comprising a cabinet, a partition dividing said cabinet into separable chambers adapted to contain liquid and having a doorway, a door for opening and closing said doorway of the partition, valve controlled perforated pipes having their inlets communicating with one of said chambers and extending into the other chamber and supported by the partition, a chilling means located in said one of the chambers, and a circulating means for receiving liquid from said chambers and discharging said liquid onto the chilling means for return to said one of the chambers and to the other chamber by way of said perforated pipes.



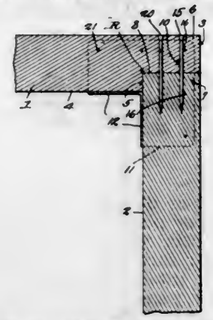
2,153,453
CRIBBAGE BOARD AND CARD PACK HOLDER
Paul Bucklin, Pawtucket, R. I.
Application May 31, 1938, Serial No. 211,034
4 Claims. (Cl. 273—148)



1. In a card pack holder, an elongated board having supporting feet at one end, an end opening card pack holder on the upper side of the board at the other end thereof, and a tensioned connection between the holder and board secured to the holder and slidably extending downwardly through the board whereby downward pressure on the board adjacent the holder separates the board and holder for the ready removal of a pack of cards from the holder.

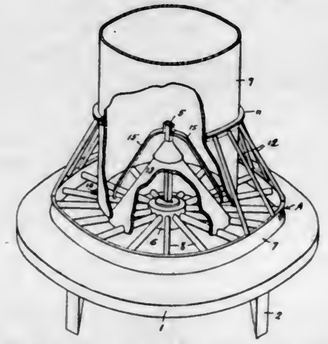
2,153,454
SCREEN FRAME CONSTRUCTION
Alfred Butler, Albion, Mich., assignor of one-third to Ruth B. Bentley, Marshall, Mich.
Application November 8, 1938, Serial No. 239,552
1 Claim. (Cl. 156—14)

A screen frame comprising first and second members arranged at right angles to each other, the first member being provided at one end, and on its inner edge, with a rectangular recess, the recess forming a transverse shoulder and a longitudinal tongue in the first member, the terminal portion of the second member abutting against the inner edge of the tongue and against the inner edge of the shoulder, the tongue being provided with a transverse bore, a plate overlapping the first and second members and provided on its inner edges with projecting flanges engaging the inner edges of the first and second members, the plate having holes located on opposite sides of the inner edge of the tongue, a first securing element mounted in the bore and entering the terminal portion of the second member, and second securing elements mounted in the holes of the plate and entering the first and second members, the flanges, the holes and the bore



being so located relatively to each other as to position the first securing element and the second securing elements in such manner that when the second securing elements are in place, the second securing elements, respectively, will have holding contact with the first securing element, within the first and second frame members.

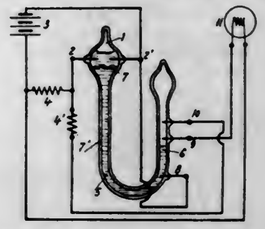
2,153,455
ROTARY LIVESTOCK FEEDER
Carl G. Casper and Clarence Casper, Kenton, Ohio
Application April 15, 1938, Serial No. 202,308
3 Claims. (Cl. 119—54)



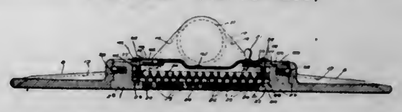
1. A feeder of the class described comprising a platform, a horizontally arranged wheel provided with spokes rotatably supported on the platform, a hopper carried by the wheel, and bars extending upwardly and inwardly from the rim of the wheel to the hopper, each bar being arranged above a spoke of the wheel.

2,153,456
PHOTOSENSITIVE GAS APPARATUS
Constantin Chilowsky, Paris, France
Application May 19, 1937, Serial No. 143,490
In France May 28, 1936
10 Claims. (Cl. 200—52)

1. An apparatus of the type described which comprises, in combination, a closed rigid vessel having a gas space adapted to be exposed to the action of light, a liquid in said vessel capable of being electrolytically transformed into at least two gases, chosen to combine together under the action of light with a reduction of the volume of the whole system of liquid and gases, two electrodes in said vessel immersed in said liquid, said liquid normally being capable of attacking said electrodes, an electrolytic circuit connected to said electrodes and including a source of current, said electrolytic circuit having a current flow sufficient to produce electrolysis of said liquid, an auxiliary circuit connected with said electrodes to modify the current flow of said electrolytic circuit and impress a current on said electrodes insufficient to produce electrolysis of said liquid, and means operatively associated with said vessel and responsive to variations in said volume for completing said auxiliary circuit when a predetermined degree of darkness exists, whereby attack on the electrodes by said liquid is prevented.



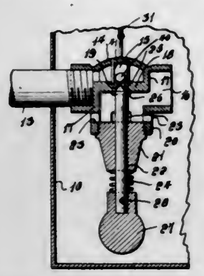
2,153,457
VACUUM NOZZLE
Jörgen F. H. Fechtenburg, Cheltenham Township, Montgomery County, Pa.
Application March 1, 1935, Serial No. 8,943
7 Claims. (Cl. 15—158)



1. A cleaner nozzle having a sledding surface provided with a suction slot and a down draft air slot arranged in parallel closely adjacent relation to each other at the lower ends thereof and with the upper end of the draft slot open to the atmosphere, a brush located in said draft slot, and transverse partitions in the draft slot with the lower edges thereof substantially flush with said sledding surface.

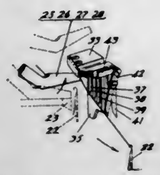
7. A cleaner nozzle provided with a suction slot and a down draft air slot arranged in parallel closely adjacent relation to each other at the lower ends thereof and with the upper end of said draft slot open to the atmosphere, a brush carrier removably mounted in the draft slot and comprising a longitudinal side wall, laterally spaced ribs extending transversely of the draft slot from said side wall, a brush mounted in the carrier and comprising a back bar disposed above the transverse ribs and bristles projecting downwardly from said bar between said ribs, lugs at the opposite ends of the carrier above and below said back bar, adjusting screws mounted in said lugs and having threaded engagement with the opposite ends of said back bar respectively, resilient means between the top face of the back bar and the under side of the upper lugs tending to move the brush downwardly at all times, and a cam bar slidable longitudinally of the carrier and having operative engagement with the adjusting screws for moving the brush bodily in the upward direction, said cam bar constituting a closure wall for the upper end of the draft slot and being perforated for sieving the air drawn into the draft slot.

2,153,458
VALVE
Jacob F. Ford, Konawa, Okla.
Application May 27, 1937, Serial No. 145,163
1 Claim. (Cl. 137—68)



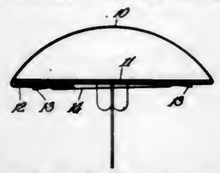
In combination with a liquid storage tank provided with inlet and outlet pipes, a casing having oppositely disposed open ends, a partition disposed longitudinally within said casing between said ends and including a longitudinally disposed intermediate portion provided with a vertical passage, said casing having a depending open end disposed beneath said intermediate portion, a plug removably mounted in said depending end and provided with a longitudinal bore disposed in alinement with said passage, a needle valve slidably mounted in said bore, one end of said needle valve being tapered to seat in and close the lower end of said passage, a head mounted on the opposite end of said needle valve and spaced from said plug, an expansion coil spring disposed between said plug and head for urging said needle valve into an open position, said casing being adapted to be disposed within said tank with one of its ends connected to the outlet pipe, said needle valve being disposed in the opposite end thereof, a float mounted in said tank and connected to said abutment and adapted to be actuated by the level of a liquid contained therein for closing the valve against the action of said spring, and a gravity actuated valve mounted in the first mentioned end of said casing and adapted for seating in the upper end of said passage.

2,153,459
YARN CONTROL MEANS FOR CIRCULAR KNITTING MACHINES
James L. Getaz, Maryville, Tenn.
Application May 8, 1937, Serial No. 141,547
18 Claims. (Cl. 66—140)



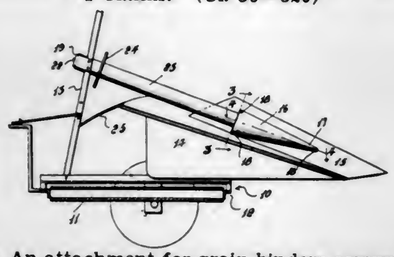
4. In a process of clamping and cutting yarns in a circular knitting machine, the steps of allowing the last needle taking a yarn to move past a motionless, stationary, vertical clamp located inside the needle circle and then placing the yarn in the clamp by moving the yarn finger feeding said yarn so as to cause the yarn to cross the needle circle and move up under the clamp, and immediately thereafter actuating a normally open shear to cut said yarn.

2,153,460
SHOW CARD AND THE LIKE
Frederick Kenwood Giles, Horney Common, England
Application October 29, 1938, Serial No. 237,739
In Great Britain October 8, 1937
5 Claims. (Cl. 40—124.1)



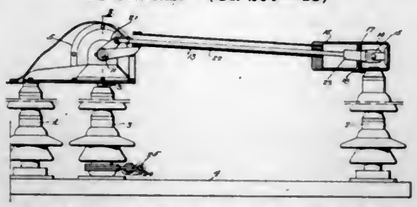
1. A showcard or display device comprising a blank of flexible or pliable material, at least one pair of flaps associated with said blank and disposed at the rear face thereof and at least one resilient member interconnecting said flaps, the arrangement being such that on release of pressure from the blank the resilient member will draw the flaps towards each other and thus cause said blank to assume a curved or rounded form.

2,153,461
ATTACHMENT FOR GRAIN BINDERS
Willis A. Gooden, Beverly, Ohio
Application March 17, 1938, Serial No. 196,505
4 Claims. (Cl. 56—320)



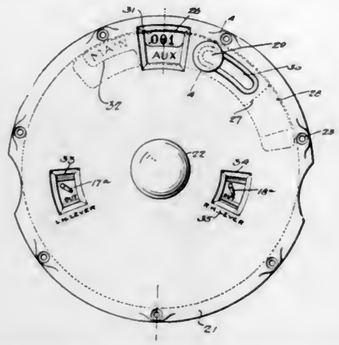
4. An attachment for grain binders comprising a rotatably mounted roller disposed above and adjacent to a divider board and adapted to be revolved by the weight of vines and grain to direct them onto a conveyor, and a disk-shaped member secured to said roller adjacent its rear or upper end and forming a guard to prevent the grain and vines from passing beyond the roller.

2,153,462
SWITCH-ACTUATING MECHANISM
John E. P. Grant, Swarthmore, Pa.
Application March 31, 1938, Serial No. 199,254
14 Claims. (Cl. 200—48)



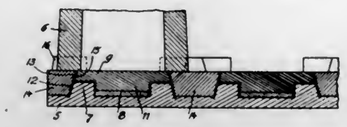
5. On the energized side of an electric switch, a switch member comprising relatively movable elements, a common drive shaft, and means for individually operatively connecting said elements with the shaft, at least one of said individual connecting means comprising an interrupted gear affording a delayed actuation of one of said elements by the drive shaft.

2,153,463
INDEX PLATE FOR BORING AND MILLING MACHINES
Charles L. Grover, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application August 24, 1937, Serial No. 160,693
2 Claims. (Cl. 116—124)



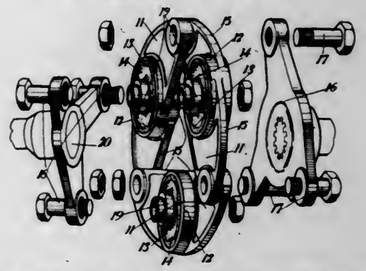
1. Indicating means for indicating the positions of a plurality of multi-position speed change levers controlling the output speed of a transmission having a plurality of outputs, said indicating means comprising relatively rotatable plates, one plate having a plurality of annular series of output speed indicia for and denoting the several delivered speeds of each output of the transmission and further having annular series of lever position indicia corresponding in number to the speed change levers and each series comprising indicia representing various positions of the associated lever, the other of said plates having an opening aligning with said speed indicia series and of a size to simultaneously singly expose an indicia of each of the output speed series, a shutter associated with said opening and constructed and arranged to selectively conceal the indicia of all but one of said series and a further opening in said plate for and aligning with each of said lever position series and of a size to singly expose the indicia thereof, and means to relatively rotate said plates.

2,153,464
SUPPORTING PLATE FOR CHILL MOLDS
Johannes Haag, Neunkirchen, District of Saar, Germany
Application June 2, 1937, Serial No. 146,048
In Germany December 10, 1936
6 Claims. (Cl. 22—139)



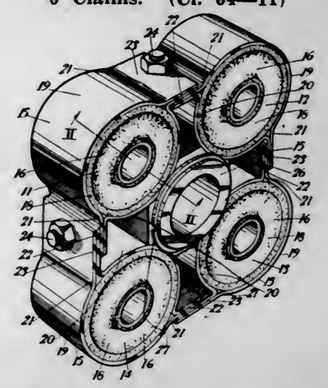
1. Apparatus for use in casting ingots comprising an ingot mold open at its lower end and a stool upon which said mold is supported, said stool comprising a base plate having a raised formation defining a recess at its upper surface, a wear resisting plate having an integral projection on its bottom surface cooperating with said base plate surface recess to removably seat said wear resisting plate upon said base plate and means for securing said wear resisting plate upon said base plate, said securing means cooperating with said wear resisting plate to support said ingot mold.

2,153,465
FLEXIBLE TRANSMISSION COUPLING
John Leslie Hardy, Birmingham, England, assignor to Hardy, Spicer & Co. Limited, Birmingham, England
Application October 11, 1938, Serial No. 234,473
In Great Britain August 26, 1938
6 Claims. (Cl. 64—11)



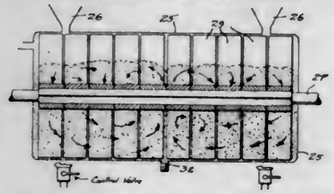
1. In a flexible transmission coupling between two elements, a coupling member, to be rigidly attached to one of the elements, built up of similar segments each consisting of a housing having lugs extending from opposite sides, said lugs adapted to be detachably secured to one another, flexible bushes secured in said housings, and pins secured in the bores of said bushes, said pins to be attached to the other element.

2,153,466
FLEXIBLE TRANSMISSION COUPLING
John Leslie Hardy, Birmingham, England, assignor to Hardy, Spicer & Co. Limited, Birmingham, England
Application October 10, 1938, Serial No. 234,316
In Great Britain May 12, 1938
6 Claims. (Cl. 64—11)



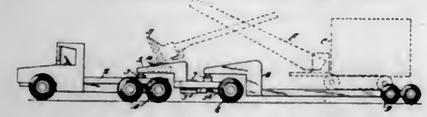
1. In a flexible transmission coupling between driving and driven pins, a coupling member including an even number of units, each unit including a flexible bush in the bore of which is secured one of the pins, and which is also secured to a housing therefor formed in said unit, said units being detachably secured to one another with said pins substantially parallel to and angularly spaced from one another about the main axis of the coupling and with the driving pins alternating with the driven pins.

2,153,467
PROCESS OF RECOVERING PRECIOUS METALS
Charles R. Hauke, Royal Oak, Mich., assignor to National Metallurgical Laboratory, Royal Oak, Mich., a copartnership consisting of Charles R. Hauke, Raymond B. Hauke, John P. McHale, Frank A. McRath, and Zeno Schoolcraft
Application October 21, 1938, Serial No. 236,329
4 Claims. (Cl. 209—175)



1. In a process for extracting precious metals from materials containing deposits of the same, the steps which consist in providing a batch of said material containing water to approximately the exact point of saturation of the material; then introducing caustic soda and mercury into said saturated material; and agitating the mass.

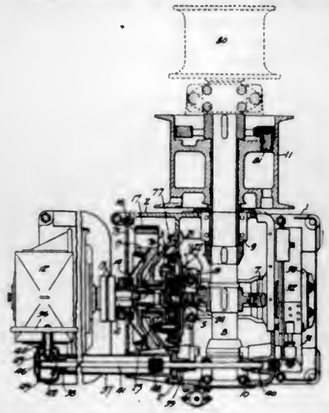
2,153,468
LOAD DISTRIBUTING, AUXILIARY POWER, DUO SEMI-TRAILER TRACTOR
Ernest A. Heyn, Los Angeles, Calif.
Application June 14, 1937, Serial No. 148,136
2 Claims. (Cl. 180—14)



1. A highway tractor train having a leader tractor, a train end semi-trailer, and an intermediate, auxiliary, semi-trailer with a connection hitching its forward end to the tractor at a point forward of the wheel group axis of the tractor to distribute vertical load to the fore and aft wheel system of the tractor, and the end semi-trailer having a hitch connecting it to the intermediate auxiliary at a point forward of the axis of its rear end supporting wheels to distribute vertical load to the fore and aft supports of the auxiliary so that each element of the train vertically receives a share of the load carried by the end semi-trailer to be transferred to the entire train wheel system; said intermediate auxiliary having a bed for direct reception of part of the load object carried by the rear-end semi-trailer: the load object forming no draft connection in the train.

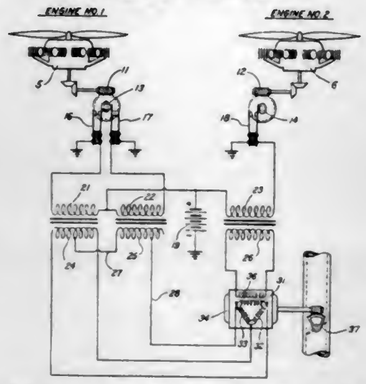
2,153,469
WINCH GEAR FOR HAULING, CARGO WORKING, AND LIKE PURPOSES
George Thomas Macfarlane, Northwood, England, assignor of one-half to The General Electric Company Limited, London, England, a corporation of Great Britain
Application June 24, 1937, Serial No. 150,204
In Great Britain June 2, 1936
4 Claims. (Cl. 192—4)

1. Winchgear comprising a shaft mounting the winch drum, a brake carrying shaft coupled to the drum shaft through reduction gearing, a holding brake mounted at one end of said brake carrying shaft through the medium of a unidirectional clutch and holding the drum against movement in the lowering direction, and an epicyclic reduction gearing coupling the other end of such brake carrying shaft to its prime mover,



said epicyclic gearing including a hoisting brake providing a reduced ratio drive for hoisting and an overhauling clutch providing an overdrive in the reverse direction for rotating the drum to drive down the empty hook.

2,153,470
INTERNAL COMBUSTION ENGINE
Charles I. McNeil, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application April 10, 1936, Serial No. 73,800
2 Claims. (Cl. 60—97)



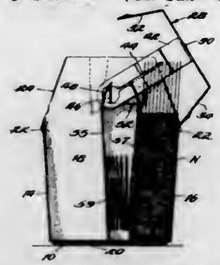
1. A synchronizer for the propellers of a multiengine aircraft having at least two engines, each equipped with a transformer and each constituting the driving means for one of the propellers, said synchronizer including, in addition to said transformers, means for sending pulsating current through the primaries of said transformers, means for inductively associating the secondary currents of said transformers whereby there is produced electromagnetically a rotational movement through an arc of length varying in proportion to the difference in speeds of the two engines, a throttle controlling fuel admission to one of said engines, and means for translating said rotational movement into a shifting of said throttle, to an extent proportional to the arc of the rotational movement.

2,153,471
FOOT WELL FOR BABY CARRIAGES
James Michal, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill.
Application March 22, 1937, Serial No. 132,424
7 Claims. (Cl. 280—47)



1. In a baby carriage, a pair of side members having terminal notches, a footwell swingable within the side members between raised and lowered positions, elements carried by the footwell and seating in said notches to maintain the footwell in the raised position, means to retract said elements from the notches and release the footwell for the lowering movement, and spring means to keep said elements in the notches, the edges containing said notches being cam-shaped to back said elements and compress said spring means as the footwell approaches the raised position on the return swing until the elements register with the notches and are projected into the same by said spring means.

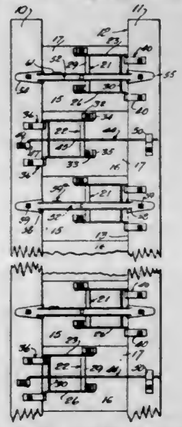
2,153,472
NAPKIN DISPENSER
Elmer C. Morris, Chicago, Ill., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application November 4, 1937, Serial No. 172,779
3 Claims. (Cl. 312—50)



1. A paper napkin dispensing cabinet comprising a substantially rectangular container having an open top end, a pair of side walls disposed at diverging angles and each having a portional opening therein in the upper edge thereof, a member having angularly bent ends secured to the inner side of the end walls of said cabinet, a top, a pair of end brackets secured to said top and disposed over said member and slidably and pivotally mounted thereon, said top having diverging side wall portions complemental to the side walls of said cabinet and cooperating with the portional openings to form elongated dispensing openings.

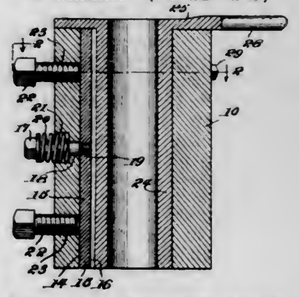
2,153,473
DOOR STRUCTURE FOR SILOS
Maurice W. Mott, Red Creek, N. Y.
Application April 22, 1938, Serial No. 203,696
3 Claims. (Cl. 20—1.4)

1. In silos, a pair of parallel spacer jambs providing a door opening, each of said jambs having the rear portion of its inner side edge formed with stepped rabbets, independently shiftable continuous closures for disposing in superimposed overlapping relation in said opening and for seating in the rabbets of said jambs, the abutting edges of each pair of superimposed closures being rabbeted to provide for the overlapping of such closures, the side edges of each closure being rabbeted to provide for the closure seating in the rabbets of the jambs, spaced inner pairs of spaced pivot receivers, each pair being secured to the front face of a closure, superposed spaced outer



pairs of spaced pivot receivers secured to the front face and extending inwardly from the inner side edge of each jamb, each pair of outer pivot receivers correlated with and arranged below the receivers of an inner pair, suspension means for each closure, each suspension means being formed with oppositely disposed pivots for mounting in the correlated pairs of receivers to provide in connection with the latter a hinge connection between a closure and a jamb, and superposed spaced combined step formers and spreader elements extending across each alternate closure, said elements being secured to the front faces and bearing against the inner side edges of the jambs.

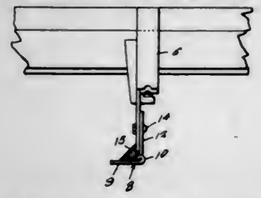
2,153,474
POLISH ROD CLAMP
Ira Naylor and Burl Yost, Winegars, Mich.
Application May 20, 1938, Serial No. 209,129
2 Claims. (Cl. 24—243)



2. A polish rod clamp comprising a hollow cylindrical body having a longitudinal slot in one side extending from end to end of the body to permit the body to be slipped laterally on to a polish rod, the body being provided on the inner wall with a longitudinal groove extending from

end to end of the body, a clamping jaw seated in said groove, a screw slidably fitted in the body and connected to the jaw for supporting the jaw in position, a spring sleeved on the screw and engaging the body, said spring constantly tending to urge said jaw into said longitudinal groove, screws threadedly engaged with the body on opposite sides of the first named screw and adapted to be advanced against the jaw to move the jaw into clamping engagement with the polish rod, a core rotatably mounted within the body and having a longitudinal slot in one side adapted to align with the slot in the body at one limit of movement to receive the polish rod and adapted to align with said longitudinal groove in the body at the opposite limit of movement to permit said jaw to pass into the core and engage the polish rod, a head on the core bearing against the top of the body, a handle on said head, a handle on said body, there being an arcuate groove formed in the outer wall of said core, and a screw engaged through said body and entering said arcuate groove for limiting rotary movement of the core relatively to the body.

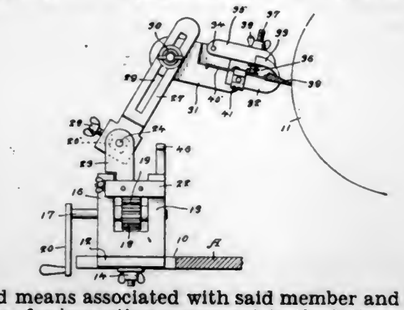
2,153,475
FOOT FOR EXPANSION JOINT SETTING APPARATUS
George T. Nelson, Lebanon, Tenn.
Application July 18, 1938, Serial No. 219,849
2 Claims. (Cl. 94—51)



1. In combination with an assembly frame including legs of a concrete joint setting apparatus, feet adjustably secured on said legs for supporting the assembly frame on a surface and each including a hinged tread portion capable of assuming a position in parallelism with the leg on the lifting of the frame so that said tread portion may move out of concrete with the least amount of disturbance to the concrete, and a stop carried by the leg for the limiting of the hinging movement of said tread portion in one direction and for maintaining the tread portion horizontally on a surface when under the load of the assembly frame.

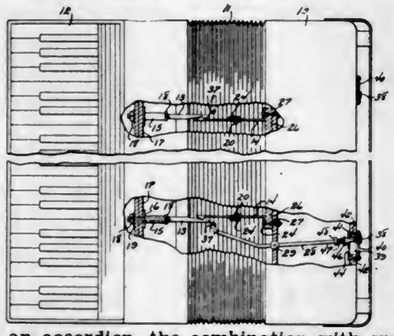
2,153,476
GRINDING MACHINE
Hallett Nickle Norman, Rockville, Conn.
Application March 17, 1938, Serial No. 196,512
3 Claims. (Cl. 51—224)

1. A machine of the character described comprising a support, a member carried by the support and having a track, a carriage movably engaging the said track, means for adjusting the member on the support in a direction at substantially right angles to the movement of the carriage, a rocking bar having pivotal connection in the carriage for movement on a horizontal axis and being flat faced, an arm slidably fitted on the flat-faced portion of said rocking bar, a tool holder adjustably engaged with said arm and having a vertical swing and adjustment longitudinally of said arm, means for securing the arm in adjusted position on the rocking bar, means for tensioning the rocking bar for urging the same for rocking movement in one direction,



and means associated with said member and carriage for imparting movement to the latter.

2,153,477
LOCKING MECHANISM FOR ACCORDIONS
Stanley Olson, Chicago, Ill.
Application February 23, 1937, Serial No. 127,304
1 Claim. (Cl. 84—376

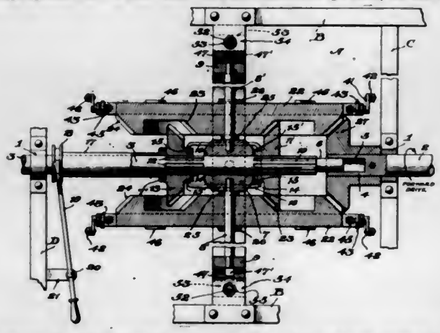


In an accordion, the combination with spaced relatively movable members constituting the ends of the accordion and the intermediate bellows, of a stationary hook adjustably secured to one of the members, a jointed hook secured to the other of said members and having a spring pressed free end interlocked with the first named hook, an operating lever having intermediate its ends a ball and socket connection with said last named member, said last named member forming an inner wall with one end of the accordion, an outer wall spaced from said inner wall and forming part of the accordion end structure, said lever having one end adapted to engage the hinged free end of the jointed hook and dislodge the hook from the companion hook when said lever is rocked on said ball as a pivot, a keeper on said outer wall, there being a slot in said keeper through which the free end of the lever projects, and is operable from the exterior of the accordion, said slot having enlarged ends, and a spring pressed stop sleeved on the lever releasably engageable selectively in said enlarged ends of the slot to hold said lever in either of its limits of pivotal movement.

2,153,478
GEAR TRANSMISSION
Samuel A. Owen and Everett P. Watt, Albuquerque, N. Mex.
Application March 11, 1937, Serial No. 130,383
21 Claims. (Cl. 74—259)

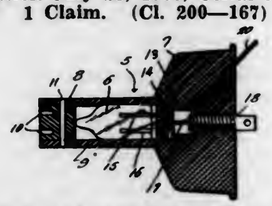
1. An automatic ratio gear transmission including a prime mover, a drive shaft adapted to

be placed into and out of driving connection with the prime mover, a gear member connected to said drive shaft and operable therewith, a driven shaft, transmission gears rotatably supported upon the driven shaft and in constant mesh with the gear carried by the drive shaft, a gear member slidably supported on the driven shaft and movable therewith, means to shift the last named gear member into and out of operable engagement with the transmission gears, locking



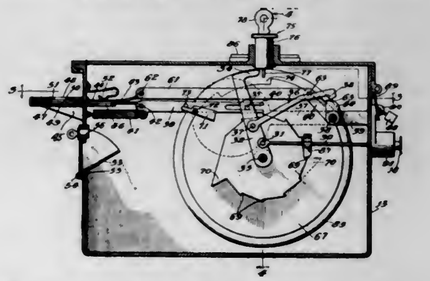
means for the transmission gears, means operable by the pull of a load to release the locking means to permit rotation of the transmission gears for driving the mechanism in low gear, control means to prevent retrograde movement of the transmission gears when the locking means is released, and means to cause engagement of said locking means to prevent rotation of said transmission gears and to place the mechanism in direct drive when the pull of said load decreases.

2,153,479
TOGGLE SWITCH
Michael A. Pastrick, Perth Amboy, N. J.
Application July 23, 1936, Serial No. 92,126
1 Claim. (Cl. 200—167)



An illuminated switch handle comprising a body of insulating material and having a socket opening outwardly through one face thereof and a screw threaded passage connecting with said socket and opening outwardly through a face of said body opposite to the first-mentioned face, a tubular handle portion having one end formed on the first-mentioned face of the body and aligning with the socket and provided with opposed bayonet slots adjacent the free end thereof, an electric lamp including double contacts slidable in the handle portion, a contact ring seated in said socket and having an electrical connection with an electric circuit, a compressible coil spring connecting said ring and one of the contacts of the lamp and acting to normally urge said lamp towards the free end of the handle portion, a contact member threaded in the passage to be abutted by the other contact of the lamp and adapted to be electrically connected in the electric circuit, a plug slidably received in the free end of the handle portion to abut the lamp and having wrench sockets, and a pin carried by the plug to enter the bayonet slots for securing the plug in a position to retain the lamp with one of the contacts in engagement with the contact member for illuminating the lamp when the electric circuit is closed.

2,153,480
PARKING METER
Raymond C. Pierce, Chicago, Ill., assignor to John W. Bullock, Memphis, Tenn.
Application April 7, 1936, Serial No. 73,180
9 Claims. (Cl. 194—78)



1. In combination, anchored restraining mechanism for an automobile to restrain movement thereof, and check-controlled means operative upon initial operation of said means through the medium of a check to condition said mechanism for restraining the automobile, locking means for said mechanism in restraining position, said check-controlled means comprising timing means operated in one direction by a step movement in the movement of said first-named means upon the deposit of a check and including drive mechanism moving said timing means in the opposite direction and operating to require the payment of an additional check, or checks, depending on the length of the period of parking when it exceeds the predetermined parking period paid for by the initially-deposited check, to permit movement of said locking means to a position in which said mechanism may move out of restraining position.

2,153,481
BUMPER
Robert A. Ponselle, New York, N. Y.
Original application December 16, 1933, Serial No. 702,702. Divided and this application June 20, 1936, Serial No. 86,246
4 Claims. (Cl. 15—246)

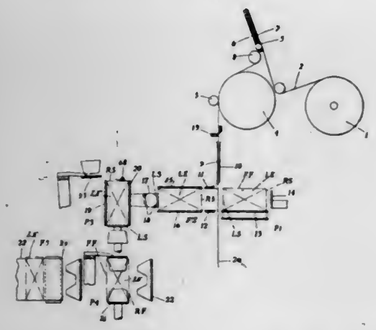


2. In a mobile machine, the combination of a curved outer wall having a rib extending lengthwise thereof and spaced from the edges of the wall, a band of cushioning material lying against the wall, said band having a longitudinal channel in its inner face in which said rib is received and a pair of spaced longitudinal channels in its outer face, the channel in the inner face lying between those in the outer face and means for holding the band in place comprising a pair of posts at opposite ends of the band, an endless strand looped about the posts with the two stretches of the strand lying in the spaced longitudinal channels in the band, said strand confining the band in contact with the wall, and means for maintaining the strand taut.

2,153,482
LUBRICATING COMPOSITION
Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application April 21, 1938, Serial No. 203,439
8 Claims. (Cl. 87—9)

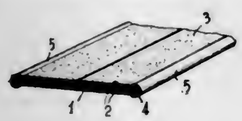
1. An extreme pressure lubricating composition comprising a major proportion of lubricating oil the film strength of which has been substantially increased by the inclusion therein of a minor proportion of a halogen-bearing dibenzyl disulphide.

2,153,483
WRAPPING MACHINE
Alfred German Rose, Gainsborough, England, assignor to Rose Bros. (Gainsborough) Limited, Gainsborough, Lincolnshire, England, a British company
Application April 20, 1938, Serial No. 203,180
In Great Britain March 6, 1937
21 Claims. (Cl. 93—2)



1. In a wrapping machine having a movable support including retaining means for an article to be wrapped and means including said retaining means for partially wrapping the article, the combination of means for moving the support whereby to actuate said retaining means to another wrapping station, means operative during such movement for rotating the retaining means through an angle, and means at said other station for pushing the partially wrapped article through the retaining means in the same direction relatively thereto as it was inserted therein.

2,153,484
COMPOSITE FABRIC BODY SUCH AS CHANNEL RUNWAY, FINISHING WELT, AND THE LIKE
Robert C. Schemmel, Union City, Ind.
Application July 2, 1935, Serial No. 29,558
3 Claims. (Cl. 296—44.5)



2. The method of making a glass run channel for automobile windows and the like which comprises taking a relatively wide sheet of wire screen consisting of woven warp and weft wires unsecured together and therefore subject to ravelling, cementing to a side of said sheet of screen a single sheet only of cheesecloth of similar shape to provide a composite, flexible, non-ravelling fabric, cutting from the composite fabric a relatively narrow strip, applying to said strip a layer of glass-engaging material, and forming said product into channel shape.

2,153,485
AUTOMATIC GLASS BLOWING MACHINE
Pancras J. Schoonenberg and Jan Jesayas Hardenberg, Eindhoven, Netherlands, assignors to N. V. Maatschappij tot Exploitatie van Uitvindingen, Rotterdam, Netherlands
Application September 22, 1934, Serial No. 745,156
In Germany September 26, 1933
2 Claims. (Cl. 49—5)



1. In an automatic non-rotary glass-blowing machine for manufacturing hollow glass bodies, a plurality of units arranged in a circle around the vertical axis of the machine, each of said units comprising a stationary head mold and means for the preliminary-pressing, and ejecting of the bodies, a fusion container for the glass having a supply port, a central tube located beneath said supply port to carry away the shrinkage, a filling tube to convey charges of molten glass from said supply port to said units, one end of said tube being normally beneath said supply port, means including a hollow member to stepwise rotate said filling tube about said vertical axis to consecutively deliver charges to said units and to positively lock said tube in each delivery position for a predetermined time, means to actuate said first means including a ring-shaped cam carried by said hollow member, and means to prevent the delivery of a charge to any desired unit comprising a device to rotate said filling tube about a vertical axis passing through the filling tube to thereby allow the charge to drop into said central tube.

2,153,486
CLOTHESPIN
Harold K. Schultz, Brooklyn, and William F. Speagle, Berea, Ohio
Application September 10, 1937, Serial No. 163,288
2 Claims. (Cl. 24—137)

1. A clothespin of the type described comprising a strip of spring steel formed with two sides arranged in opposed relation, one of said sides having therein a laterally offset rearwardly directed fold of substantially inverted U shape, a portion of the other of said sides being offset to underlie the entrance to said rearwardly directed

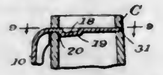


fold, and said sides terminating in closely spaced parallel legs having outwardly flared ends.

2,153,487
COMPOSITION FOR COATING FRUITS AND VEGETABLES
Jagan N. Sharma, West Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Application August 2, 1937, Serial No. 156,957
16 Claims. (Cl. 99—168)

1. A process of coating fruit and vegetables with a uniform film, which comprises contacting fruit and vegetables with a substantially neutral aqueous fluid comprising an aqueous base containing waxy constituents dispersed therein and also containing products of reaction between dewaxed shellac and an alkali, said composition containing from about 0.75% to 4% of waxy constituents and products of reaction derived from about 0.15% to 4% of shellac.

2,153,488
WRITING INSTRUMENT CLIP
Karl Weisser, Union City, N. J., assignor to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application July 15, 1937, Serial No. 153,829
15 Claims. (Cl. 24—11)



4. A clip for a tubular member comprising a clip body portion and a clip holding prong at an angle to said body portion, said clip holding prong having a pointed end and being substantially straight and of sufficient rigidity to permit the driving thereof through one wall of the tubular member and into the opposite wall during assembly, and an offset latching tooth comprising a spring tongue partially severed from the prong and having a free end depressed from the plane of the prong, said free end being positioned to seat against the interior surface of the first mentioned wall to prevent removal of the prong from the tubular member and being adapted to spring into the plane of the prong during assembly to permit the entry of the prong into the tubular member.

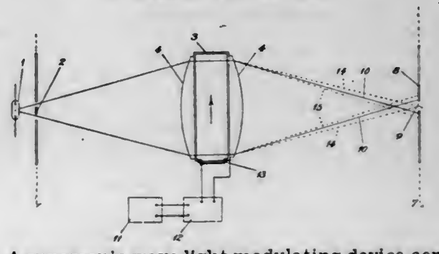
2,153,489
RELEASING DEVICE FOR ARTIFICIAL OR NATURAL FISHING BAIT
Bee Whitis, Pikeville, Ky.
Application April 10, 1934, Serial No. 719,949
1 Claim. (Cl. 43—30)

The combination with a fishing line and hook having a shank rigid therewith, of means interposed between the hook shank and line to jar the hook loose from any obstruction on which it may be caught in casting, said means comprising a member having a single universal connection with the shank at the end remote from the hook and embodying a light plunger rod rigidly connected at one end with said member, a plunger connected with the rod at the opposite end, a body member formed with an internal bore traversed by said plunger and closed at its opposite ends through one of which the plunger rod slidably passes, a



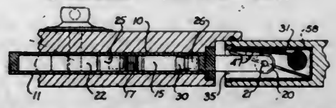
compression spring disposed in the bore in surrounding relation to the plunger rod and bearing one end on the plunger and the other end on that extremity of the bore through which the rod passes, and means connecting the line to the body member at the opposite end from the plunger rod, whereby, upon engagement of the hook with an obstruction, a pull on the line may retract the body member so that on quick release of the line it may engage the plunger with a sudden impact to dislodge the hook.

2,153,490
LIGHT MODULATING DEVICE
Gustav Wikkenhauser and Joshua Sieger, Kensington, London, England
Application November 18, 1938, Serial No. 241,234
In Great Britain November 15, 1937
1 Claim. (Cl. 88—61)



A supersonic wave light modulating device comprising a light source, a supersonic wave cell, an opaque bar between said source and said cell, an apertured screen between said cell and a utilisation point, and an optical system for imaging the plane of said bar on the plane of said screen so that the image of said bar obscures the aperture in said screen.

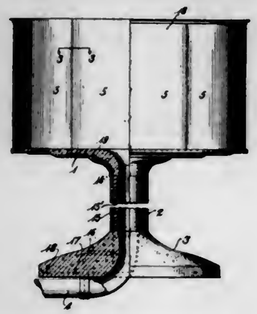
2,153,491
LOCK UNIT
Edward Joseph Williamson, Vancouver, British Columbia, Canada
Application June 18, 1937, Serial No. 148,989
3 Claims. (Cl. 292—340)



1. A keeper mechanism comprising a strike casing adapted to receive a bolt slidably mounted on a door when the latter is closed, a plate mounted in said casing lying angularly across the path of the bolt, said plate having a recess formed therein, a strike plate pivotally mounted at its outer end in the casing lying beneath the plate and overlapping the recess therein, and spring means adjacent the inner end of the strike plate

for normally holding said strike plate against the bottom of the angularly disposed plate, said strike plate being adapted to be displaced against the tension of the spring means by the bolt as it is moved into the strike casing whereby pressure is applied to the bolt in order constantly to hold the door closed under pressure.

2,153,492
TANK, HOLLOW COLUMN SUPPORT THEREFOR, AND METHOD OF BUILDING THE SAME
James Minor Workman, Winnsboro, S. C.
Application January 18, 1936, Serial No. 59,785
5 Claims. (Cl. 72—13)



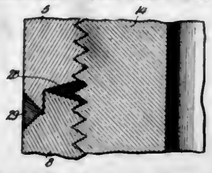
3. A tank structure comprising, in combination: a foundation member; a hollow column and a tank bottom concrete slab formed as a monolith; tank side walls of assembled preformed elements having expansion characteristics differing from concrete seating freely upon said slab adjacent its periphery; and a packing fillet of substantially permanently viscous material at the interior of the joint between the slab and side walls to seal the joint against leakage.

2,153,493
TOE STOCKING
Maxum E. Yakimchick, Pittsfield, Mass.
Application April 29, 1938, Serial No. 205,095
3 Claims. (Cl. 2—239)



1. A device as set forth comprising a substantially elliptical-shaped member engageable over the toes of a foot, a plurality of spaced apart substantially parallel webbing members secured interiorly of said elliptical member, a strap member secured to the upper rear portion of said elliptical member and extending over the arch and about the heel of a foot, and a lower strap member secured at its forward end to the lower rear portion of said elliptical member extending rearwardly thereof, said latter strap member having terminal end portions extending upwardly and secured at their upper ends to said first strap.

2,153,494
JOINT
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application November 4, 1937, Serial No. 172,759
4 Claims. (Cl. 285—146)



1. In a threaded joint, a nipple, a pair of cylindrical members threaded on said nipple from opposite sides thereof, one of said cylindrical members being formed with a projecting portion and the other of said cylindrical members being formed with a reentrant portion, said reentrant and projecting portions being formed with respective, oppositely inclined annular seats, said seats forming an annular pocket having a substantially V-shaped cross section, sealing means positioned in said V-shaped pocket, the outer adjacent edges of said cylindrical members being provided with oppositely beveled surfaces forming an annular groove, and solder positioned in said groove.

2,153,495
PETROLEUM LUBRICANT PRODUCT
Henry G. Berger, Woodbury, Robert C. Moran, Wenonah, and Francis M. Seger, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 3, 1937, Serial No. 123,846
2 Claims. (Cl. 87—9)

1. A lubricant product for use where high unit pressures are combined with high rubbing speeds comprising a major portion of mineral lubricating oil and a minor portion of the reaction product secured by reacting chlorinated petroleum naphtha with potassium ethyl xanthate, said reaction product containing sulfur in the form of xanthate and a residual amount of chlorine.

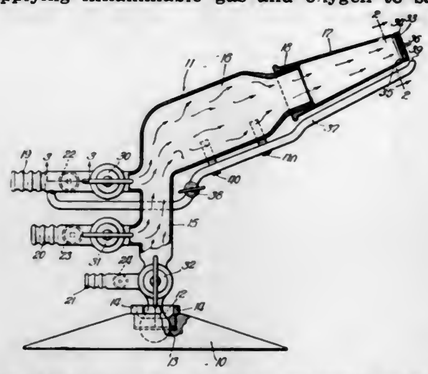
2,153,496
EXTREME PRESSURE LUBRICANT
Henry G. Berger, Woodbury, Robert C. Moran, Wenonah, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 8, 1938, Serial No. 200,910
13 Claims. (Cl. 87—9)

1. An extreme pressure lubricant composition comprising a major portion of mineral lubricating oil and a minor proportion of a product obtained by chemically substituting a part only of the chlorine in a chlorinated aliphatic material with a thiocarbonate group.

2,153,497
BLAST BURNER
Max F. Betzold, Chicago, Ill., assignor to Rascher & Betzold, Inc., Chicago, Ill., a corporation of Illinois
Application May 16, 1935, Serial No. 21,803
4 Claims. (Cl. 158—109)

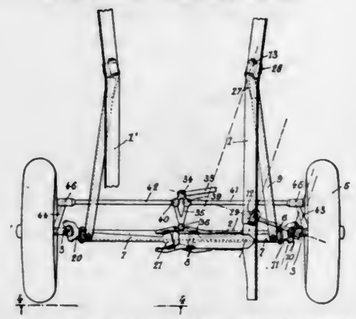
1. A blast burner comprising an elongated

tube substantially unobstructed throughout its entire length and having an enlarged median chamber forming a mixing chamber, a branch conduit communicating with said tube at a point to one side of said enlarged median portion for supplying inflammable gas and oxygen to said



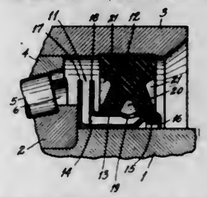
tube and into said median enlarged mixing chamber to produce a whirling motion to the gases when the same are introduced into said median portion, the other end of said tube having a tip of a material having low heat conductivity with a plurality of centrally arranged perforations of relatively small diameter.

2,153,498
VEHICLE UNDERFRAME
Georges Broulhiet, Paris, France, assignor to Robert C. Watson and Jennings Bailey, Jr., trustees, both of Washington, D. C.
Application August 12, 1933, Serial No. 684,900
In France March 16, 1933
6 Claims. (Cl. 280—124)



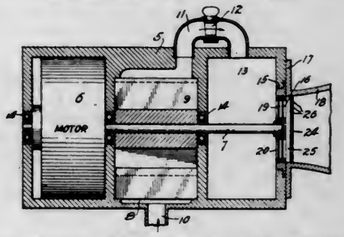
1. In a motor vehicle, the combination with a vehicle frame, of a steerable road wheel assembly, means supporting said wheel assembly on said frame for rising and falling movement with respect thereto, said means comprising a pair of laterally extending wheel supporting links, said links being pivotally mounted at their inner ends on said frame for swinging movement about parallel vertically spaced axes, said axes being inclined at an acute angle with respect to the vertical plane containing the longitudinal axis of the vehicle, a member carrying said road wheel assembly for steering movement about a substantially vertical axis and having pivotal connections with said links, and steering mechanism for said wheel assembly, said mechanism comprising an element supported for movement on said frame, an arm carried by said wheel assembly, and an element pivoted to said arm and to said first named element, the point of pivotal connection between said elements lying substantially in the apex of an imaginary right circular cone of which the arc described by said arm during rising and falling movement of the wheel assembly substantially defines the periphery of the base, whereby undesired movement of the wheel assembly about the steering axis thereof is avoided.

2,153,499
OIL SEAL
William J. Chievitz, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 26, 1937, Serial No. 176,519
8 Claims. (Cl. 286—5)



1. An oil seal comprising two tubular members secured together at one end and with outwardly extending flanges at their other ends, the main portions of the tubular and flange portions being spaced apart and the outer tubular portion having an opening therethrough, the spaces between said tubular and flange portions being clear and unobstructed and in communication with said opening.

2,153,500
SOUND DEVICE
William C. Eaves, Elmhurst, N. Y., assignor of forty per cent to Carl H. Fowler, New York, N. Y.
Application March 18, 1936, Serial No. 69,452
3 Claims. (Cl. 116—147)

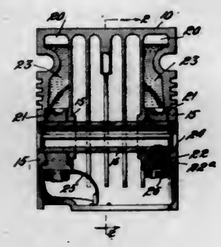


1. In a device of the character indicated, relatively movable grids for causing a flow of air passing through said relatively movable grids to be modulated thereby, and an intensity grid substantially spaced from said relatively movable grids so as to leave a substantial body of air between said intensity grid and said relatively movable grids, whereby vibrations impressed upon said body of air may be transmitted through said intensity grid upon a more extensive wave front than that produced by said relatively movable grids.

2,153,501
PISTON FOR INTERNAL COMBUSTION ENGINES
William Harper, Jr., Port Washington, N. Y., assignor to H. B. Motor Corporation, New York, N. Y., a corporation of New York
Application April 29, 1936, Serial No. 76,906
7 Claims. (Cl. 123—176)

1. A piston for internal combustion engines

containing a plurality of sealed, spaced pockets each extending for a fraction of the circumference of the piston and in said pockets a heat-transfer medium in a movable fluid form which



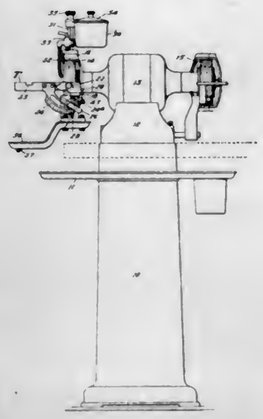
is agitated by the movement of the piston, so that the metal stresses are reduced by maintaining the whole piston structure at a more uniform temperature.

2,153,502

APPARATUS FOR BENCH GRINDING LONG BLADES

William Ferdinand Ocenasek, Plainfield, N. J., assignor to Walker-Turner Company, Inc., Plainfield, N. J., a corporation of New York

Application October 12, 1936, Serial No. 105,246
8 Claims. (Cl. 51—122)



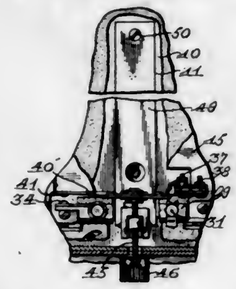
1. An adjustable table attachment for bench grinding machines comprising a pair of supports located substantially in the plane of the grindwheel and one at each side of the axis of the grindwheel; a bearing block adjustably mounted on each of said supports, one of said blocks being pivoted to its support and the other of said blocks being slidably mounted on its support; a table member pivotally mounted in said bearing blocks, the axis of said pivotal mounting normally occupying a position parallel to the plane of the grindwheel; means for laterally adjusting said slidable bearing block on its support thereby to adjust the pivotal axis of said table out of said parallel plane; means for tilting said table on its pivotal axis whereby the plane of said table may be positioned at a compound angle relative to the plane of said wheel; and means for clamping said table in adjusted position.

2,153,503

SWITCH FOR ELECTRIC IRONS

Frank Reingruber and Josep Reingruber, Toronto, Ontario, Canada, assignors to General Thermostat Corporation, New York, N. Y., a corporation of New York

Application June 3, 1935, Serial No. 24,687
In Canada October 17, 1934
8 Claims. (Cl. 200—137)



1. In an automatic temperature control mechanism, a fixed switch contact, a transversely mounted spring arm rigidly secured to a support member at one end and having a switch contact on the free end disposed for engagement with the said fixed contact, the said arm being disposed to yieldingly retain the contact on the end thereof in engagement with the fixed contact, a lever pivotally supported in a vertical position, a screw extended transversely through the lever adjacent its upper end and engageable with the intermediate portion of the spring arm to disengage the contacts, the said screw being selectively adjustable on the lever, a longitudinally expansible thermostatic bar arranged at approximately right angle to the lever and adapted to engage the lower end portion thereof to swing the lever and effect temperature responsive operation of the spring contact arm, and a spring connected with the screw on the lever so as to yieldingly force the lower end thereof against the end of the thermostatic bar.

2,153,504

POSTAL ENVELOPE

William A. Didier, Fort Wayne, Ind.

Application October 14, 1935, Serial No. 44,846
2 Claims. (Cl. 229—70)



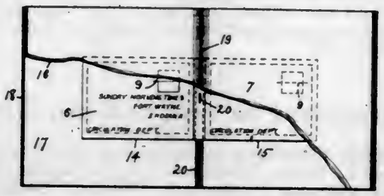
1. A mailing device consisting of an envelope having at the front thereof a space of sufficient size to be used as a return post-card located where the original address ordinarily is placed, said space being surrounded by a perforated line made in the envelope front and having proper indicia on both the front and back of the part surrounded by said perforated line.

2,153,505

POSTAL COIN CARRIER

William A. Didier, Fort Wayne, Ind.

Application November 30, 1936, Serial No. 113,289
1 Claim. (Cl. 281—3)



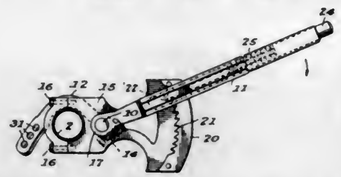
A device of the character described constituted of a structure formed of a single back sheet and two front sheets that overlap said back sheet and are secured along their marginal portions thereto, each front sheet having an elongated slit, the inner ends of said front sheets being spaced apart to leave exposed therebetween a middle portion of said back sheet, said middle portion having two parallel spaced apart tear-lines located respectively adjacent the inner ends of the corresponding front sheets, so that when said device is secured between the leaves of a publication with its middle portion alined with and secured in the folds of the leaves of said publication, either one of the other of said front sheets together with the part of the back sheet attached thereto is removable from said middle portion without affecting the other front sheet and corresponding back sheet portion.

2,153,506

EMERGENCY BRAKE CONTROL

John I. Gutkowski, Jersey City, N. J.

Application December 23, 1937, Serial No. 181,405
1 Claim. (Cl. 74—485)



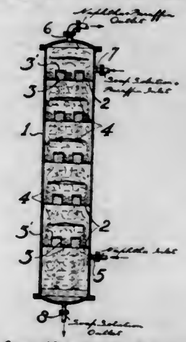
In a brake system for a vehicle having a steering column inclined to the vertical with a steering wheel at the upper end thereof, an emergency brake control shaft adjacent to said steering column and extending in parallel thereto, a bearing bracket rigidly mounted on said steering column and fitted with a bearing for said control shaft, an emergency brake lever connected to the upper end of said shaft below the steering wheel and extending beyond the boundary thereof and operable in a plane substantially perpendicular to the axis of said shaft to rotate said shaft, a ratchet on said bracket within the field of movement of said lever, a manually releasable pawl on said lever in engagement with said ratchet for holding said shaft in its actuated position, an elbow lever having one end thereof connected to the lower end of said shaft provided with a plurality of apertures at the other end thereof, said lever being bent around a portion of the periphery of the steering column to dispose the apertures therein at points spaced from the axis of rotation of said control shaft, and an emergency brake rod selectively engaging one of said apertures in said elbow lever.

2,153,507

IMMISCIBLE LIQUID COUNTERCURRENT METHOD AND APPARATUS

Matthew D. Mann, Jr., Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 26, 1932, Serial No. 595,330
9 Claims. (Cl. 23—270)



1. Apparatus for the counter-current treatment of immiscible liquids of different gravities, which comprises a substantially vertical shell, plates dividing the shell horizontally into sections, a pipe extending from an opening in each plate a substantial distance into an adjoining section, said pipe having serrations in its free end for sub-dividing the liquid into drops, both the uppermost and lowermost sections of the shell having an inlet and an outlet.

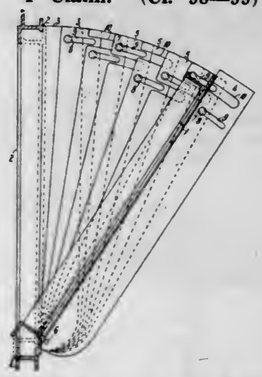
4. In a process for treating a mineral oil with a solvent, the steps of continuously flowing said oil and solvent counter-currently through a contacting column, engaging the counter-currently flowing oil and solvent phases in a plurality of phase contacting paths of relatively small cross-sectional area, and disengaging the oil and solvent phases to cause a layer formation thereof intermediate the ends of said column and between disconnected portions of said paths.

2,153,508

HINGED VENTILATOR OF THE HOPPER TYPE

John Marchbank, Glasgow, Scotland, assignor to Frederick Braby & Company Limited, Glasgow, Scotland, a corporation of the United Kingdom of Great Britain and Northern Ireland

Application February 2, 1937, Serial No. 123,667
In Great Britain March 9, 1936
1 Claim. (Cl. 98—99)



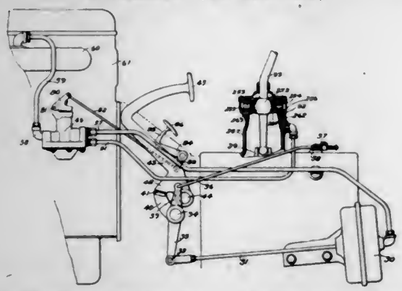
In a hopper ventilator, in combination, a stationary rectangular frame, a movable rectangular

sash pivotally mounted in said frame, a pair of associated end blades which project forwardly on the opening side of the sash and are rigidly secured respectively to the frame and to the sash at each side thereof, a plurality of flat intermediate blades interposed between the blades of each associated pair of blades, the pairs of associated end blades and intermediate blades constituting projecting side cheeks of the hopper ventilator, a pivot pin for each side cheek, blade entraining pins each of which is secured to an intermediate blade, a similar blade entraining pin secured to one end blade at each side of the frame and sash, a close-ended slot formed in each intermediate blade, a similar close-ended slot formed in the other end blade at each side of the frame and sash, each blade entraining pin being operative in a close-ended slot, a head presented by each pin, and an additional slot having an open end formed in the blade adjacent to each head, each of said heads being operative in one of said additional slots.

2,153,509
POWER TRANSMITTING APPARATUS AND CONTROL THEREFOR

Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware

Application February 1, 1934, Serial No. 709,318
14 Claims. (Cl. 192—3.5)

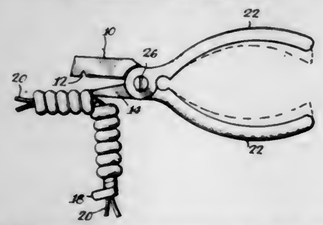


10. In combination, a clutch comprising driving and driven members, a change speed transmission associated with said clutch, a shift lever attached to said transmission, centrifugal means to cause engagement of said driving and driven members, power means adapted to disengage said members, manually operable means to apply said power means, servo means to apply said power means, means operatively connected to said gear shift lever to control said servo means, a shift lock operable in conjunction with said power means, and means to permit said driven member to overrun said driving member.

2,153,510
BX CABLE CUTTER

Russell C. Bowen, Seattle, Wash.

Application April 5, 1937, Serial No. 134,993
1 Claim. (Cl. 30—91)



In a BX cable cutter comprising two levers pivoted together intermediate their ends to provide long and short portions, the longer portions being used as handles and the shorter portions being sharpened to be used as shear jaws, one jaw being longer than the other and having a blunt end portion extending beyond the end of the shorter jaw, and the longer jaw being provided with a notch in its cutting face to locate the end of the shorter jaw.

2,153,511
PREPARATION OF PALE COLORED ALKYD RESINS

Harold C. Cheetham, Philadelphia, Pa., and William L. Evers, Woodbury, N. J., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application March 6, 1937, Serial No. 129,378
8 Claims. (Cl. 260—22)

1. In the process of making pale colored fatty oil modified and fatty oil acid modified alkyd resins, the improvement which comprises adding to the resin forming reaction mixtures an oil soluble organic ester of phosphorous acid whereby the formation of colored bodies is retarded.

2,153,512
PREPARATION OF PALE PAINT, VARNISH, AND ENAMEL VEHICLES

Harold C. Cheetham, Philadelphia, Pa., and William L. Evers, Woodbury, N. J., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa.

No Drawing. Application March 6, 1937, Serial No. 129,379
10 Claims. (Cl. 134—26)

1. In the preparation of paints, varnishes and enamels containing drying or semi-drying oils the improvement which comprises having present in the batch during cooking, an organic ester of phosphorous acid.

2,153,513
REACTION PRODUCTS OF 2-METHYL-1,3-DICHLOROPROPANE AND ALCOHOLS

Gerald H. Coleman and Garnett V. Moore, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application November 20, 1936, Serial No. 111,906
12 Claims. (Cl. 260—614)

10. Liquid ether compounds having the formula

$$Cl-CH_2-\underset{\displaystyle CH_3}{\underset{|}{CH}}-CH_2-O-R$$

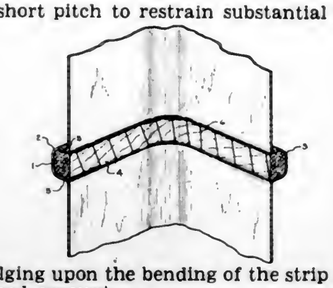
wherein R represents an alkyl group containing from 1 to 8 carbon atoms, inclusive.

2,153,514
REINFORCED FIBROUS TACKING STRIP

Otis C. Currie, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware

Application September 3, 1936, Serial No. 99,319
6 Claims. (Cl. 57—151)

1. A tack holding strip of the character described to which finishing material or the like is tacked which comprises an elongated body of compressed fibrous, tough, tack retaining material, and a relatively fine strand of wire helically disposed therearound closely engaging the sides thereof, the coils of said wire having a sufficiently short pitch to restrain substantial transverse bulging upon the bending of the strip a predetermined amount.



2,153,515
PROCESSES OF PREPARING PIGMENT IN ORGANIC VEHICLE COMPOSITIONS USEFUL FOR MAKING COATING COMPOSITIONS

Roy R. Denslow, Nutley, Archibald M. Erskine, Chatham, and Samuel C. Horning, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

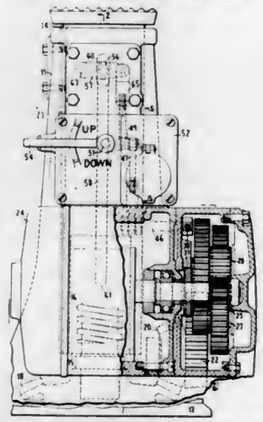
No Drawing. Application July 22, 1936, Serial No. 91,962
5 Claims. (Cl. 134—58)

1. In a process of preparing a suspension of a pigment in a water insoluble organic vehicle of an oily nature from a mixture comprising as separate phases a suspension of said pigment in an aqueous vehicle and said liquid organic vehicle, the step of submitting said mixture to a hydraulic shearing action obtained by passing said mixture between two surfaces in close proximity in which one of said surfaces moves in respect to the other surface at at least 1000 feet per minute and a clearance between said surface is not greater than 0.03 of an inch, whereby the particles of said pigment migrate from the water phase into the organic vehicle phase in the absence of agents to assist the transfer.

2,153,516
ELECTRICALLY OPERATED LIFTING JACK

Karl Eck, Avalon, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 2, 1937, Serial No. 172,358
15 Claims. (Cl. 254—98)

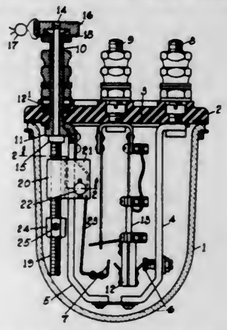


7. In an electrically-operated lifting jack, a ram, automatic stop means for stopping further movement of the ram when it reaches certain positions near the upper and lower limits of its travel, and automatic reversing means for preventing further movement of the ram beyond said stop positions in the event that said automatic stop means fail to stop the ram.

2,153,517
THERMAL RELAY

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 24, 1936, Serial No. 87,068
5 Claims. (Cl. 200—113)

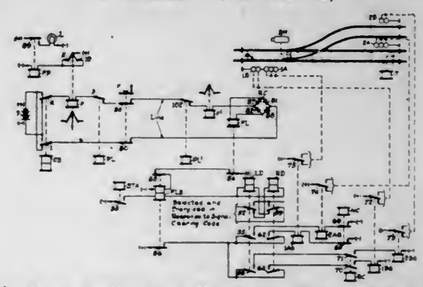


1. In a thermal relay, in combination, a casing, a top plate on the casing, a movable contact carried by the top plate, a hollow post on the top plate, a rigid support bracket clamped between the post and the plate, a front contact spaced from the movable contact, a stem passing through the hollow post, a thumb nut on the outer end of the stem, a threaded inner end on the stem, a spring arm connecting the front contact to the bracket and spaced from the threaded inner end, a threaded traveller on the inner end of the stem, a bifurcation in the traveller receiving the bracket, and cam means on the traveller bearing against the spring arm to vary the position of the front contact.

2,153,518
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application January 30, 1937, Serial No. 123,167
5 Claims. (Cl. 246—3)



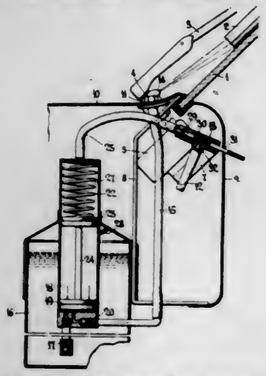
1. A centralized traffic controlling system for railroads comprising a control office and a field station connected by a normally energized line circuit; a signal at said station; a slow acting

fault relay included in said line circuit at said station; a stick relay at said station having a stick circuit energized through front contacts of said fault and said stick relays, whereby said stick circuit is deenergized in response to an open condition of said line circuit sufficiently long to drop said fault relay; means independent of said stick circuit for energizing and picking up said stick relay; and circuit means requiring that said stick relay be in its picked up position for permitting the clearing of said signal.

2,153,519
WINDOW CLEARING SYSTEM

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application January 21, 1936, Serial No. 60,115
15 Claims. (Cl. 15—250)

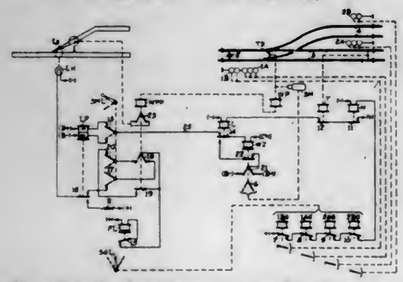


9. A window clearing system comprising a wiper, fluid pressure actuated means for moving the wiper back and forth, a source of clearing fluid, and fluid pressure actuated means having fluid communication with the first means and with the source of clearing fluid for applying such clearing fluid on a window surface.

2,153,520
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS

Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application April 1, 1936, Serial No. 72,120
2 Claims. (Cl. 246—3)

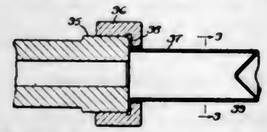


1. In a control system, in combination, a local control station and a distant spaced location, a power operated track switch at the distant location, a switch control lever at the station for operating contacts at the station for controlling the power operation of the switch over a control circuit, a lock relay for at times preventing control of the switch by the lever, a polar neutral switch position repeating relay at the station, an indication circuit for the polar relay separate from the control circuit, a single indicator lamp at the station, means for steadily energizing the lamp when the lock relay is effective to prevent power control of the switch, means for energizing the lamp intermittently through a circuit including in series, polar contacts of the switch repeating relay, and contacts of the lever when the lever and the track switch are out of correspondence; and means for flashing the lamp through the same circuit except that a neutral contact on the switch repeating relay shunts the lever contacts and the polar contacts of the switch repeating relay.

2,153,521
LAPPING DEVICE, APPARATUS, AND METHOD

Herbert S. Indge, Westboro, and Albert G. Belden, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application February 5, 1938, Serial No. 188,898
1 Claim. (Cl. 51—184.1)

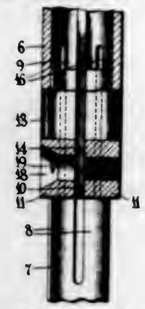


A lapping tool comprising a tube of metal having an opening at one end, a non-plane wall at the other end, and a central portion comprising a plurality of cylindrical segments joined to depressed portions between the segments.

2,153,522
WINDSHIELD WIPER ARM

John R. Oishei, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application April 18, 1936, Serial No. 75,181
7 Claims. (Cl. 287—58)



1. A wiper actuating arm for window cleaners comprising two longitudinally adjustable sections, one section having divided shank parts and the companion section having adjoining sockets for receiving the shank parts, and means for angularly displacing the sockets relative to each other to stiffen the divided portion of the arm and exert a binding force on the shank parts for securing a given adjustment.

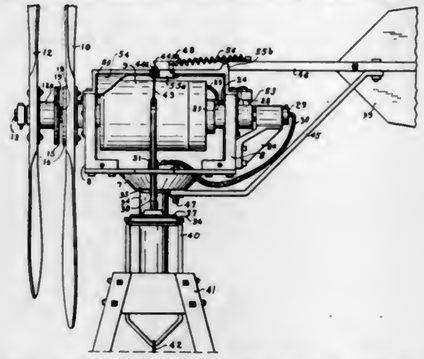
2,153,523
WIND OPERATED ELECTRIC GENERATOR

Gerald J. Roberts, Quanah, and William H. Edmonds, Goodlett, Tex.; said Edmonds assignor to W. N. Price

Application March 25, 1937, Serial No. 133,042
11 Claims. (Cl. 290—55)

1. In a wind operated electric generator, the combination of generating elements, means

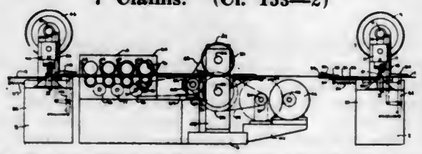
mounting said elements for relative rotation, propellers connected respectively with the elements, and means for frictionally reducing excessive relative rotation between the propellers.



2,153,524
METHOD OF MAKING RATCHET BARS

Frank W. Schmidt, Jackson, Mich., assignor to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan

Application March 21, 1936, Serial No. 70,071
7 Claims. (Cl. 153—2)



4. The method of forming tubular bars of predetermined length, which comprises feeding strip stock of continuous length, piercing the same at predetermined spaced intervals, subjecting said stock to a forming operation to form a continuous tubular bar, the unpierced portion of said strip adjacent each of said openings extending between and connecting adjoining sections of said bar at opposite sides of said opening, and successively inserting an internally acting shearing tool in each of said openings to part the formed tube at each opening, whereby said tubular bar is sheared into a plurality of sections without crushing the same.

2,153,525
METHOD OF APPLYING COATINGS TO RUBBER, BALATA, AND LIKE ARTICLES, AND ARTICLES PRODUCED THEREBY

Robert J. Snelling, Rochester, Pa., assignor to Impervious Varnish Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 8, 1936,
Serial No. 84,156
1 Claim. (Cl. 91—68)

That method for applying paint, varnish, lacquer, enamel or the like to rubber, balata or the like which comprises pretreating the surfaces of the articles for a comparatively short period with an oxidizing agent comprising potassium permanganate to produce at the surfaces only of the articles products resulting from substantially complete oxidation of the materials at the surfaces of such articles without substantially affecting the physical properties including the life, elasticity or resilience or the body of the article, said surface being etched and non-glossy from action of the oxidizing agent, and thereafter applying the paint, varnish or enamel or the like to the treated surfaces of said articles.

2,153,526
REFINING AND CONCENTRATING CRUDE FORMALDEHYDE

John C. Walker, Bartlesville, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

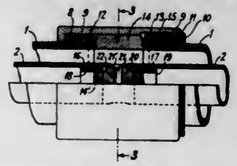
No Drawing. Application July 28, 1934,
Serial No. 737,363
9 Claims. (Cl. 260—606)

1. A process of refining and concentrating crude aqueous solutions of formaldehyde of below 35% strength which comprises refining the crude solution and separating impurities therefrom by boiling with caustic soda, distilling and subjecting the vapors to fractional condensation, and concentrating the aqueous formaldehyde condensate by vacuum distillation without fractionation at a temperature not exceeding 90° C.

2,153,527
TRANSMISSION LINE

Ludwig A. Battermann, Sayville, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 21, 1936, Serial No. 91,641
10 Claims. (Cl. 174—88)

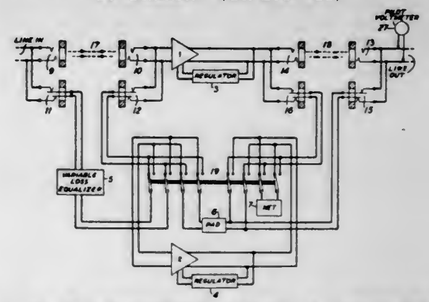


1. A transmission line comprising an outer conductor including a plurality of sections, an inner conductor including a plurality of sections, insulating members spacing said conductors in concentric relationship, a chamfered end on each section of said outer and inner conductors, threaded means for joining two sections of both the inner and outer conductors together, securing means interposed between each conductor comprising an external threaded cap having threads at only one end thereof, and an internal threaded member having both ends threaded to join the two sections of the inner conductor together.

2,153,528
BROAD BAND TRANSMISSION SYSTEM

Harvey H. Benning, Lincoln Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 22, 1938, Serial No. 203,604
10 Claims. (Cl. 178—44)



1. In a transmission system, a transmission line, a repeater having an input and an output

connected in said line, a spare repeater, an automatic gain regulator for each repeater adapted to be controlled in accordance with current on said line for adjusting the gain setting of said repeaters, means to connect the input of said spare repeater to receive highly attenuated currents from said line, whereby its regulator is caused to adjust its gain to maximum setting, means for attenuating the current to said repeater in said line to cause its regulator to adjust its gain to maximum setting, and a switch for substituting said spare repeater in place of said repeater in said line.

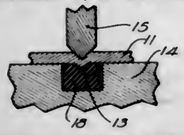
2,153,529

MECHANICAL SOUND RECORD IN FILM

John H. Rouse, Los Angeles, Calif., assignor to S. A. Sollie, Los Angeles, Calif.

Application September 6, 1935, Serial No. 39,451

2 Claims. (Cl. 274—11)



1. In a system for forming a sound record in motion picture film, a roller to support and drive said film, said roller having an annular recess at least one millimeter deep filled with a resilient material such as rubber, a smooth pointed stylus mounted above said film and said recess so as to press said film into said material, and means for modulating said stylus in accordance with sound frequencies.

2,153,530

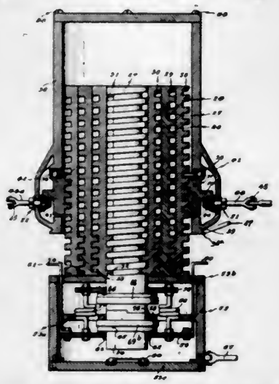
DEVICE FOR JACKING UP OF MOTOR VEHICLES OR OTHER POWER PROPELLED CONTRIVANCES

Walter Horatio Trinkler, Chicago, Ill.

Application May 20, 1935, Serial No. 22,371

7 Claims. (Cl. 254—86)

1. In a power driven lifting jack adapted to operate from a vehicle engine, a screw housing; a jack screw longitudinally movable therein projecting exteriorly of said housing; a plurality of adjacent co-acting interengaging extensible rotatable screws in said housing, one of said extensible screws meshing with said jack screw; a metal casing below said screw housing and yieldably attached to said projecting jack screw end; means for mounting said screw housing on a vehicle frame; a spiral screw plug rotatably mounted on said housing and in mesh with the outermost of said plurality of screws; power driven transmission means in mesh with and connected to said plug for rotating the same; a screw end mounted for limited vertical movement within said lower metal casing, said screw end being in alignment with said central jack screw and having an upper shouldered surface adapted to engage said jack screw to cause said screw end to be rotated with said jack screw; springs mounted in said lower casing normally



exerting a tendency to draw said screw end and said jack screw into interlocking engagement; said interengaged extensible screws being adapted to move longitudinally and to move said jack screw longitudinally.

2,153,531

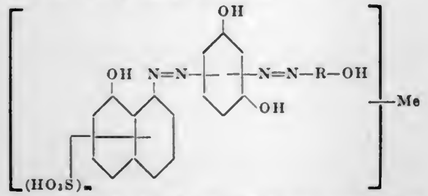
METALLIFEROUS AZO DYES

Werner Lange, Dessau-Ziebigk in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 6, 1938, Serial No. 200,417. In Germany July 2, 1936

7 Claims. (Cl. 260—148)

1. The metalliferous disazo dyes which correspond to the general formula



wherein R is a radicle of the group consisting of radicles of the benzene and naphthalene series in which the OH—group is in ortho-position to the azo bridge, *m* is 1 or 2 and Me means a metal of the group consisting of chromium, copper, manganese, iron, nickel, cobalt and aluminum, said dyes dyeing chrome leather beautiful red-brown to dark-brown level tints of good fastness to acids, alkalies and light.

DESIGNS

APRIL 4, 1939

114,053

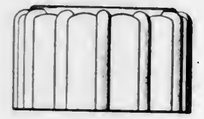
DESIGN FOR A CONTAINER CAP

Spencer L. Barnes, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 30, 1939, Serial No. 82,683

Term of patent 7 years





The ornamental design for a container cap, substantially as shown.

114,054

DESIGN FOR A GLASS TUMBLER OR ARTICLE OF SIMILAR NATURE

Robert J. Beatty, Columbus, Ohio

Application January 12, 1939, Serial No. 82,315

Term of patent 3½ years





The ornamental design for a glass tumbler or article of similar nature, substantially as shown.

114,055

DESIGN FOR A CLIP

Georges Albert Julien Bezault, Juvisy-sur-Orge, France, assignor to Cartier, Societe Anonyme, Paris, France, a company of France

Application August 17, 1938, Serial No. 79,397

In France April 19, 1938

Term of patent 3½ years



The ornamental design for a clip, substantially as shown.

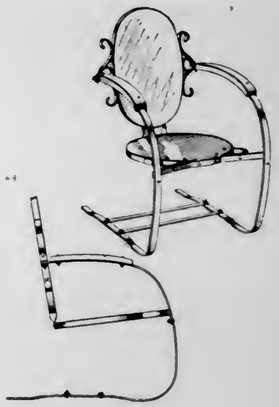
114,056

DESIGN FOR A CHAIR

Edward J. Burke, Richmond, Va.

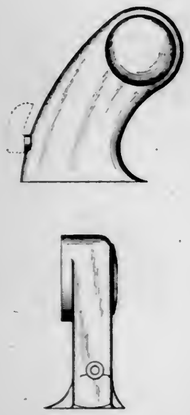
Application December 17, 1938, Serial No. 81,854

Term of patent 3½ years



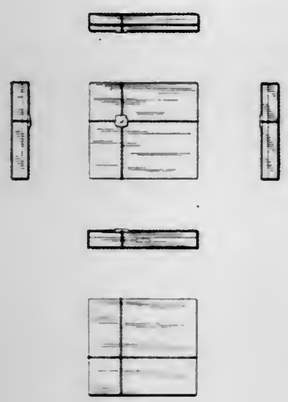
The ornamental design for a chair, as shown.

114,057
DESIGN FOR AN IRONING MACHINE GEAR HEAD
John A. Castricone, Peoria, Ill.
Application November 17, 1938, Serial No. 81,169
Term of patent 14 years



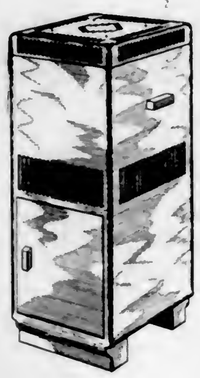
The ornamental design for an ironing machine gear head, as shown and described.

114,058
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Lloyd J. Davenport, Kearny, N. J., assignor to Paul E. Flato, New York, N. Y.
Application June 17, 1938, Serial No. 77,903
Term of patent 3½ years



The ornamental design for a vanity case or similar article, substantially as shown and described.

114,059
DESIGN FOR A COMBINED COOKING AND HEATING STOVE OR SIMILAR ARTICLE
Cortland W. Davis, Alexandria, Ind.
Application September 9, 1938, Serial No. 79,804
Term of patent 14 years



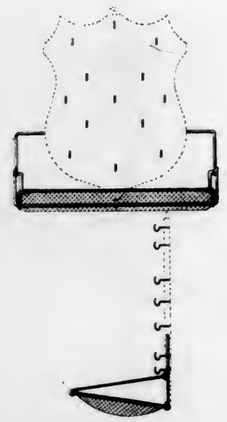
The ornamental design for a combined cooking and heating stove or similar article, substantially as shown and described.

114,060
DESIGN FOR AN ELECTRIC DRY SHAVER CASING
Irving Florman, New York, N. Y.
Application July 14, 1938, Serial No. 78,485
Term of patent 14 years



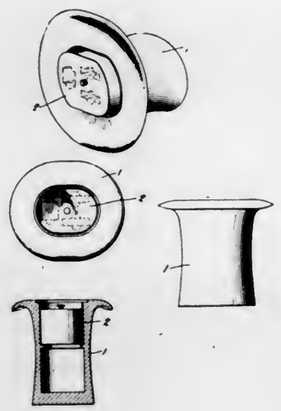
The ornamental design for an electric dry shaver casing, substantially as shown.

114,061
DESIGN FOR A GAME DEVICE
Patrick Fogarty, Washington, D. C.
Application January 5, 1939, Serial No. 82,174
Term of patent 3½ years



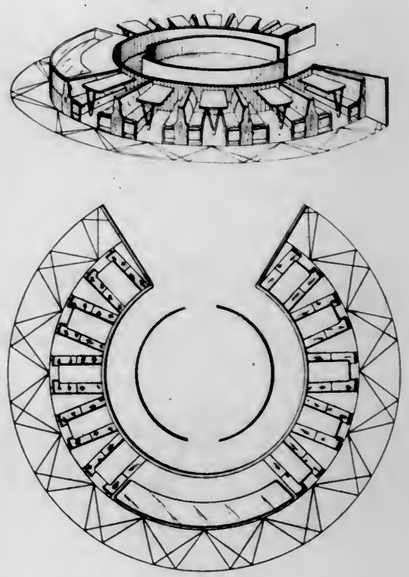
The ornamental design for a game device, as shown and described.

114,062
DESIGN FOR A CABINET FOR CARD GAME PARAPHERNALIA
Julius G. Forstmann, New York, N. Y.
Application November 24, 1937, Serial No. 73,171
Term of patent 3½ years



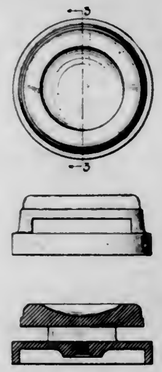
The ornamental design for a cabinet for card game paraphernalia, as shown and described.

114,063
DESIGN FOR A RESTAURANT COUNTER UNIT
Francis C. Gerardy and Alfred E. Nordland, Kansas City, Mo.
Application July 26, 1938, Serial No. 78,748
Term of patent 3½ years



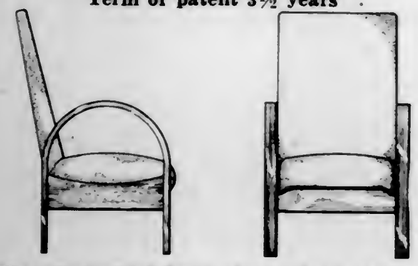
The ornamental design for a restaurant counter unit, as shown.

114,064
DESIGN FOR A CASKET REST
Lawrence C. Haaser, Bucyrus, Ohio, assignor to The Sozonian Vault Company, Bucyrus, Ohio, a corporation of Ohio
Application December 14, 1938, Serial No. 81,774
Term of patent 7 years



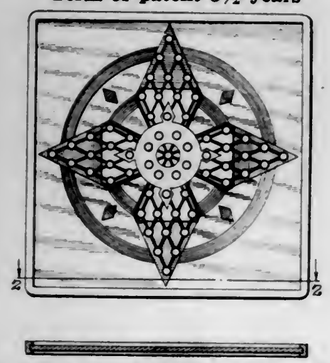
The ornamental design for a casket rest, as shown.

114,065
DESIGN FOR A CHAIR
Chester Hasenstein, Sheboygan, Wis.
Application November 1, 1937, Serial No. 72,564
Term of patent 3½ years



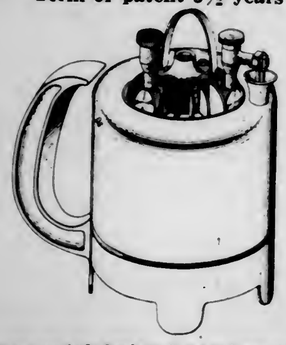
The ornamental design for a chair, as shown.

114,066
DESIGN FOR A GAME BOARD
Floyd P. Hazelwood, William N. Sherman, and Elmer C. Wheeler, Topeka, Kans.
Application January 27, 1939, Serial No. 82,640
Term of patent 3½ years



The ornamental design for a game board, as shown.

114,067
DESIGN FOR AN INSECTICIDE SPRAYING DEVICE
George Hettinger, East Rutherford, N. J., assignor to Du-La Manufacturing Company, a corporation of New York
Application July 1, 1938, Serial No. 78,208
Term of patent 3½ years



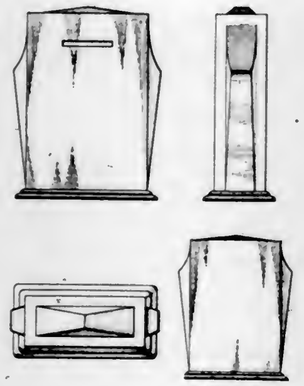
The ornamental design for an insecticide spraying device, as shown.

114,068
DESIGN FOR A LIFTING JACK
Herbert H. Howell, Buffalo, N. Y.
Application January 21, 1939, Serial No. 82,520
Term of patent 7 years



The ornamental design for a lifting jack, as shown.

114,069
DESIGN FOR A SAVINGS BANK OR SIMILAR ARTICLE
Edwin Klahn, New York, N. Y., assignor to Adolf C. Blechner, New York, N. Y.
Application October 7, 1938, Serial No. 80,311
Term of patent 7 years



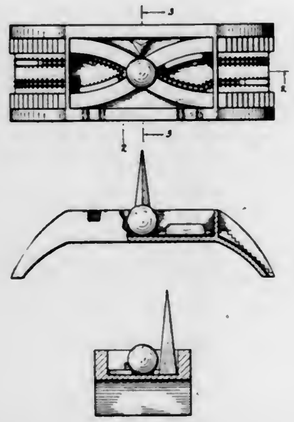
The ornamental design for a savings bank or similar article as shown.

114,070
DESIGN FOR A BOTTLE CAP
Robert E. Knudsen, Detroit, Mich.
Application March 30, 1938, Serial No. 76,195
Term of patent 14 years



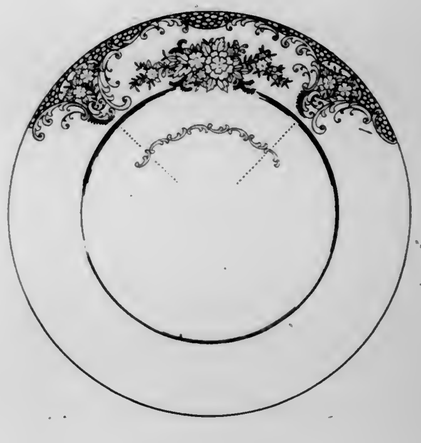
The ornamental design for a bottle cap, as shown and described.

114,071
DESIGN FOR AN ASHTRAY
John Kuzniewicz and Walter Kuzniewicz, New York, N. Y.
Application January 12, 1939, Serial No. 82,305
Term of patent 3½ years



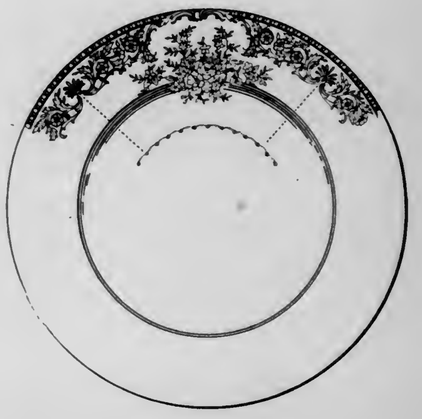
The ornamental design for an ashtray, as shown.

114,072
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,147
Term of patent 7 years



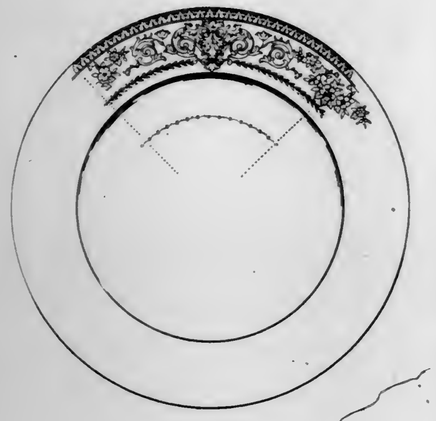
The ornamental design for a plate or similar article, as shown and described.

114,073
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,148
Term of patent 7 years



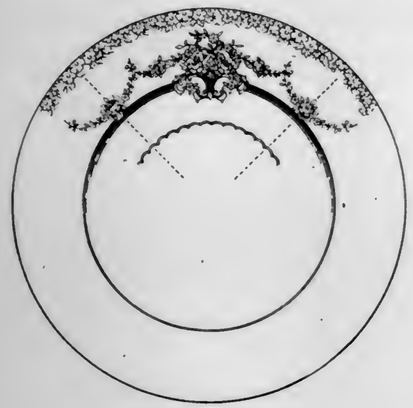
The ornamental design for a plate or similar article, as shown and described.

114,074
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,150
Term of patent 7 years



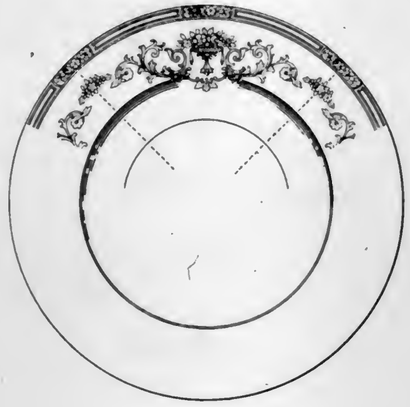
The ornamental design for a plate or similar article, as shown and described.

114,075
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,151
Term of patent 7 years



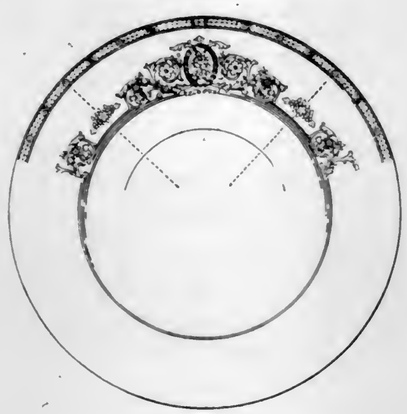
The ornamental design for a plate or similar article, as shown and described.

114,076
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,153
Term of patent 7 years



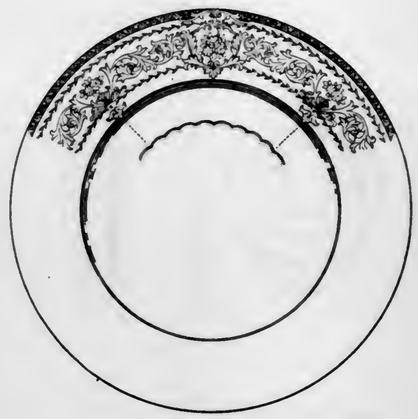
The ornamental design for a plate or similar article, as shown and described.

114,077
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,154
Term of patent 7 years



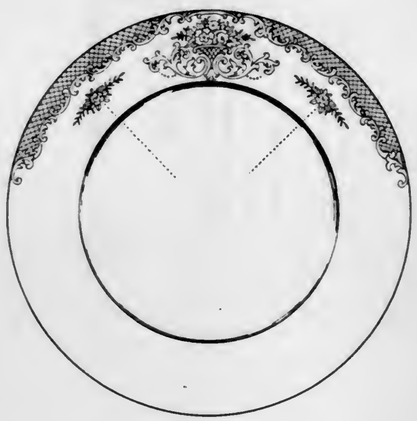
The ornamental design for a plate or similar article, as shown and described.

114,078
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,157
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

114,079
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,158
Term of patent 7 years



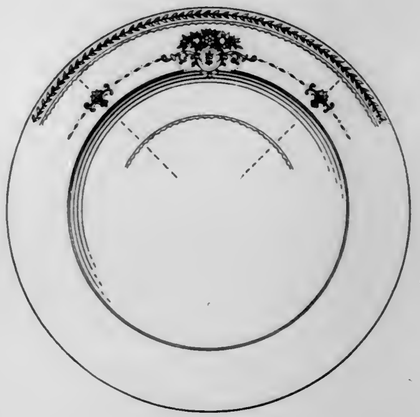
The ornamental design for a plate or similar article, as shown and described.

114,080
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 12, 1939, Serial No. 82,307
Term of patent 7 years



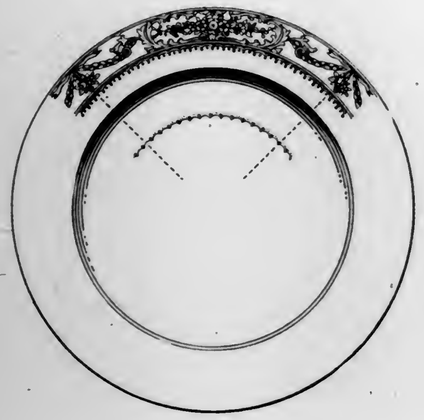
The ornamental design for a plate or similar article, as shown and described.

114,081
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 12, 1939, Serial No. 82,308
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

114,082
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 12, 1939, Serial No. 82,309
Term of patent 7 years



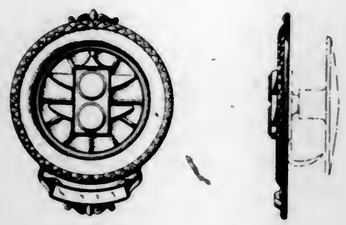
The ornamental design for a plate or similar article, as shown and described.

114,083
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 12, 1939, Serial No. 82,311
Term of patent 7 years



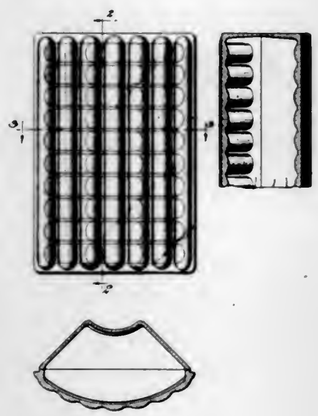
The ornamental design for a plate or similar article, as shown and described.

114,084
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Milton P. Link, Glen Rock, N. J., George P. de Mellier, Wantagh, N. Y., and Leslie F. Tillinghast, West Englewood, N. J., assignors to Great American Indemnity Company, New York, N. Y., a corporation of New York
Application February 4, 1939, Serial No. 82,788
Term of patent 14 years



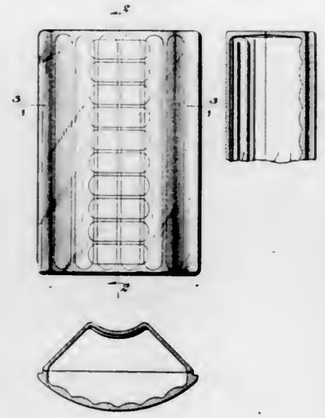
The ornamental design for a badge or similar article, as shown.

114,085
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Edward P. Lockart, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 82,801
Term of patent 14 years



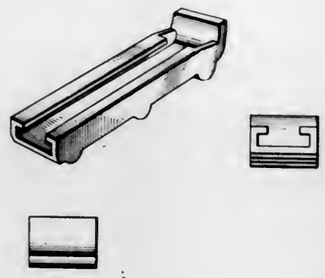
The ornamental design for a hollow glass building block, substantially as shown.

114,086
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Edward P. Lockart, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 82,802
Term of patent 14 years



The ornamental design for a hollow glass building block, substantially as shown.

114,087
DESIGN FOR A TRIGGER GUARD BUMPER FOR DISPENSING NOZZLES
Thomas O. MacDonald, Toledo, Ohio
Application July 20, 1938, Serial No. 78,603
Term of patent 7 years



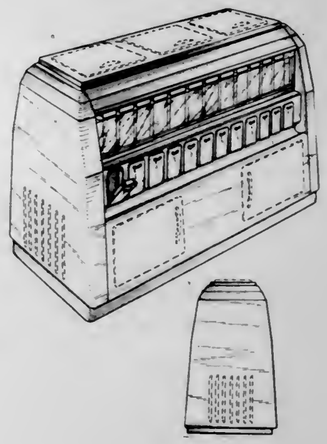
The ornamental design for a trigger guard bumper for dispensing nozzles, as shown.

114,088
DESIGN FOR AN ILLUMINATING FLOOR LAMP
Roland A. Manning, Milwaukee, Wis., assignor to Moe-Bridges Corporation, a corporation of Wisconsin
Application May 16, 1938, Serial No. 77,228
Term of patent 14 years



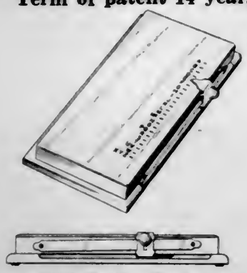
The ornamental design for an illuminating floor lamp, substantially as shown.

114,089
DESIGN FOR A CABINET FOR DISPENSING ARTICLES
Jacques Martial, New York, N. Y., assignor to Charles Q. Sherman, Mount Vernon, N. Y.
Application December 23, 1938, Serial No. 81,961
Term of patent 7 years



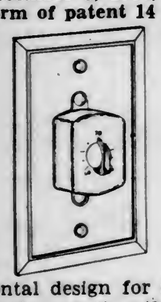
The ornamental design for a cabinet for dispensing articles, substantially as shown and described.

114,090
DESIGN FOR A NAME FINDER
Albert J. Meier, Kirkwood, Mo.
Application September 11, 1937, Serial No. 71,574
Term of patent 14 years



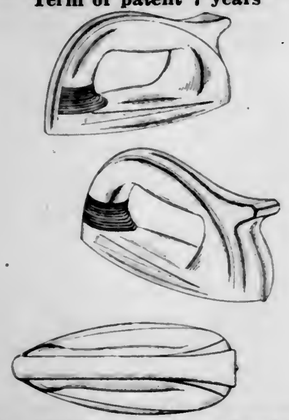
The ornamental design for a name finder, substantially as shown.

114,091
DESIGN FOR A COMBINED THERMOSTAT CASE AND MOUNTING THEREFOR OR SIMILAR ARTICLE
William A. Ray, Glendale, Calif., assignor to General Controls Co., a corporation of California
Application December 5, 1938, Serial No. 81,578
Term of patent 14 years



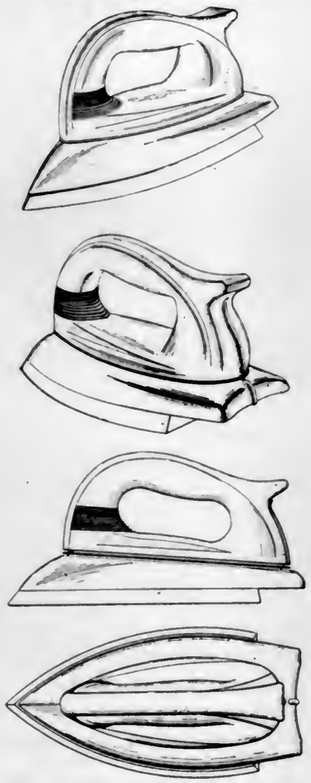
The ornamental design for a combined thermostat case and mounting therefor or similar article, substantially as shown.

114,092
DESIGN FOR A HANDLE FOR SADIRON
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1938, Serial No. 79,839
Term of patent 7 years



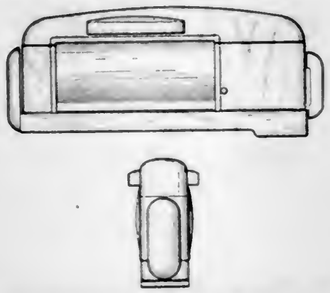
The ornamental design for a handle for sadiron, substantially as shown.

114,093
DESIGN FOR A SADIRON
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 12, 1938, Serial No. 79,840
Term of patent 7 years



The ornamental design for a sadiron, substantially as shown.

114,094
DESIGN FOR A WRINGER
Chauncey E. Waltman, Chicago, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois
Application December 30, 1938, Serial No. 82,077
Term of patent 14 years



The ornamental design for a wringer, as shown.

114,095
DESIGN FOR A FOUNTAIN PEN AND PENCIL CLIP
Karl Weisser, Union City, N. J., assignor to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey
Application May 19, 1938, Serial No. 77,285
Term of patent 14 years



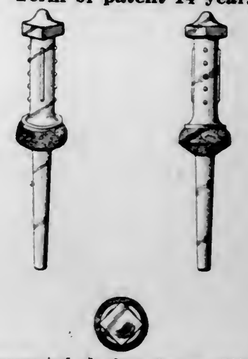
The ornamental design for a fountain pen and pencil clip, substantially as shown and described.

114,096
DESIGN FOR A HANDLE FOR KITCHEN UTENSILS OR SIMILAR ARTICLES
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application July 21, 1938, Serial No. 78,630
Term of patent 3½ years



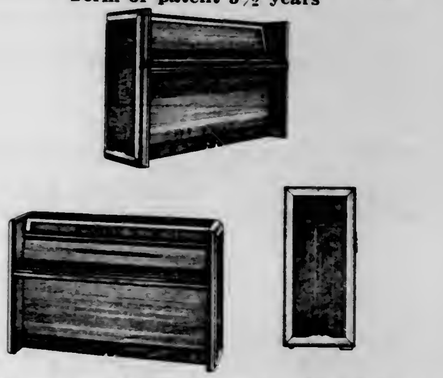
The ornamental design for a handle for kitchen utensils or similar articles, as shown.

114,097
DESIGN FOR A FILTER ROD FOR A COFFEE BREWER
Harvey Cory, Chicago, Ill.
Application January 9, 1939, Serial No. 82,248
Term of patent 14 years



The ornamental design for a filter rod for a coffee brewer, as shown.

114,098
DESIGN FOR A PIANO CASE
Thomas J. Dentz, New York, N. Y., assignor to Janssen Piano Co., Inc., Brooklyn, N. Y., a corporation of New York
Application January 7, 1938, Serial No. 74,139
Term of patent 3½ years



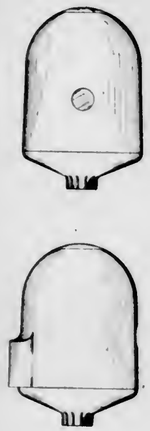
The ornamental design for a piano case, as shown.

114,099
DESIGN FOR A GRAVE MARKER
Frederick F. Florig, Pittsburgh, Pa., assignor to Jas. H. Matthews & Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1938, Serial No. 81,226
Term of patent 14 years



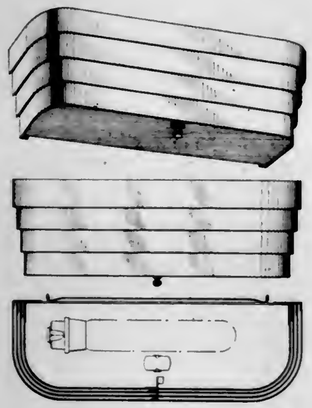
The ornamental design for a grave marker, as shown.

114,100
DESIGN FOR A DISPENSING DEVICE
Russell L. Grannis, Wilkinsburg, and Paul C. Perrin, Pittsburgh, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1938, Serial No. 78,076
Term of patent 14 years



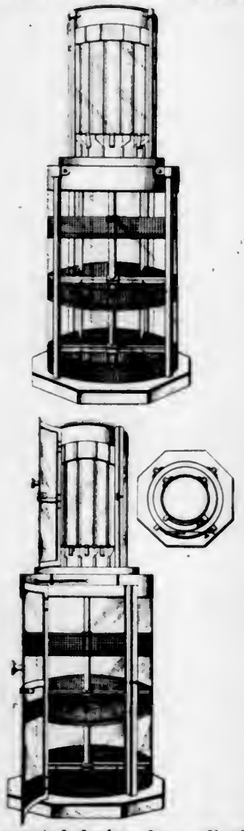
The ornamental design for a dispensing device, as shown.

114,101
DESIGN FOR A WALL LAMP OR SIMILAR ARTICLE
Roscoe C. Gregg, Fredericktown, Ohio
Application February 7, 1939, Serial No. 82,852
Term of patent 3½ years



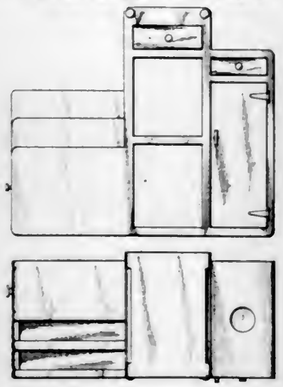
The ornamental design for a wall lamp or similar article, as shown.

114,102
DESIGN FOR A DISPLAY STAND
Raymond A. Hennings, New Orleans, La.
Application April 4, 1938, Serial No. 76,293
Term of patent 7 years

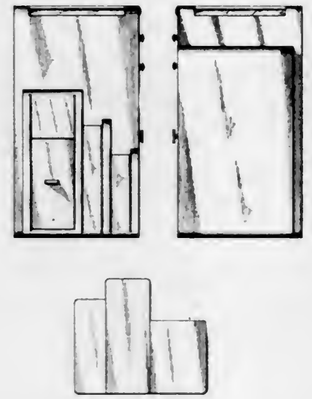


The ornamental design for a display stand, as shown.

114,103
DESIGN FOR A UTILITY CABINET
Woodrow M. Hockman and Kenneth F. Hockman, Lansdale, Pa.
Application November 26, 1938, Serial No. 81,386
Term of patent 7 years

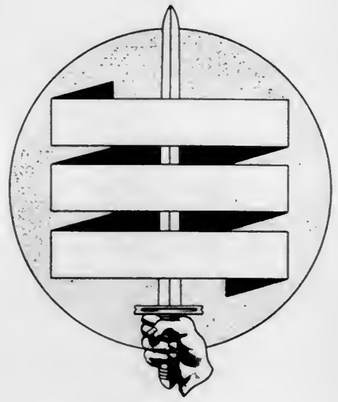


114,103—Continued



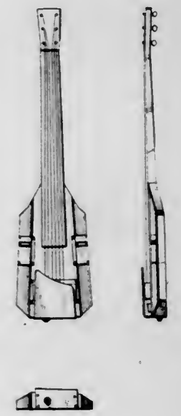
The ornamental design for a utility cabinet, as shown.

114,104
DESIGN FOR A LABEL
Hurley G. Hust, Chicago, Ill., assignor to National Ice Advertising, Inc., Chicago, Ill., a corporation of Illinois
Application January 26, 1938, Serial No. 74,573
Term of patent 14 years



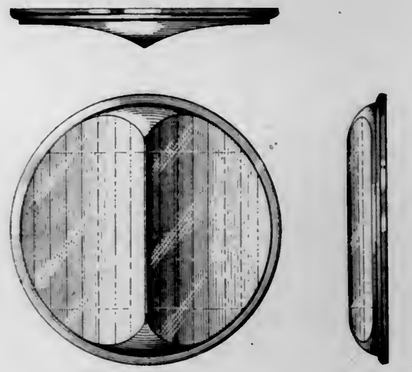
The ornamental design for a label, as shown and described.

114,105
DESIGN FOR AN ELECTRIC GUITAR
Fred H. Kislingbury, Los Angeles, Calif., assignor to Western States Wholesale Music Corporation, Los Angeles, Calif.
Application September 20, 1938, Serial No. 80,000
Term of patent 3½ years



The ornamental design for an electric guitar, as shown.

114,106
DESIGN FOR A LENS
John L. Koubek, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 9, 1938, Serial No. 77,081
Term of patent 7 years



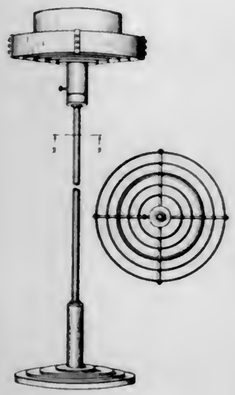
The ornamental design for a lens, as shown.

114,107
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application January 12, 1939, Serial No. 82,310
Term of patent 7 years



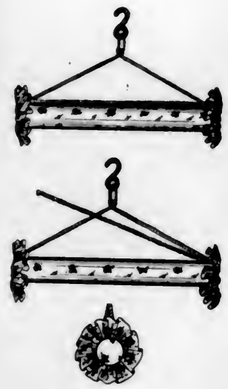
The ornamental design for a plate or similar article, as shown and described.

114,108
DESIGN FOR AN ILLUMINATING FLOOR LAMP
Roland A. Manning, Milwaukee, Wis., assignor to Moe-Bridges Corporation, a corporation of Wisconsin
Application May 16, 1938, Serial No. 77,227
Term of patent 14 years



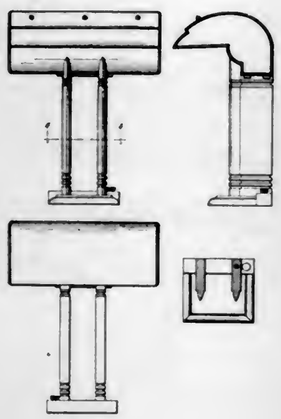
The ornamental design for an illuminating floor lamp, substantially as shown.

114,109
DESIGN FOR A DISPLAY HANGER OR SIMILAR ARTICLE
Una Nash, Astoria, N. Y.
Application January 30, 1939, Serial No. 82,672
Term of patent 3½ years



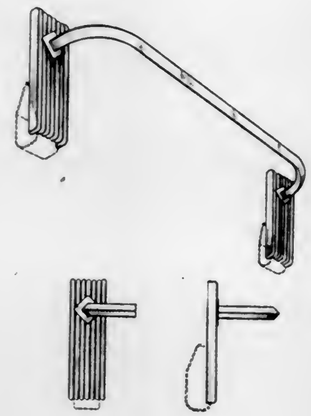
The ornamental design for a display hanger or similar article, substantially as shown.

114,110
DESIGN FOR A DESK LAMP
Hilyard R. Robinson, Washington, D. C., and Aksel J. C. Knudstrup, Vienna, Va.
Application February 8, 1939, Serial No. 82,870
Term of patent 7 years



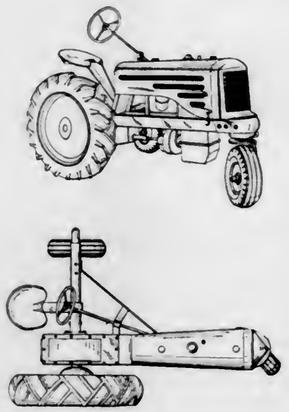
The ornamental design for a desk lamp, as shown.

114,111
DESIGN FOR A COMBINED TOWEL BAR AND BRACKET
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application December 10, 1938, Serial No. 81,698
Term of patent 14 years

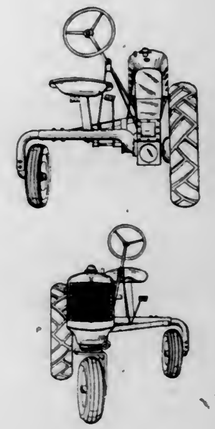


The ornamental design for a combined towel bar and bracket, as shown.

114,112
DESIGN FOR A TRACTOR
Victor N. Albertson, St. Louis Park, and John Henningsen, Minneapolis, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application August 25, 1938, Serial No. 79,558
Term of patent 14 years

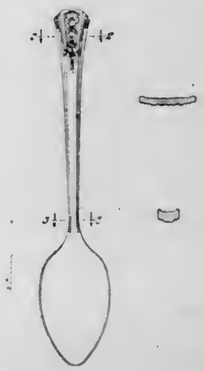


114,112—Continued



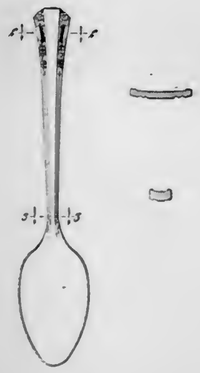
The ornamental design for a tractor, as shown.

114,113
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Oneida, Mary Parker Fleming, Niagara Falls, and Lloyd E. Ressegger, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application February 15, 1939, Serial No. 82,998
Term of patent 7 years



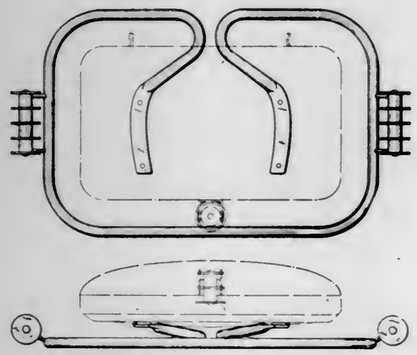
The ornamental design for a spoon or similar article, substantially as shown and described.

114,114
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen, Oneida, Mary Parker Fleming, Niagara Falls, and Lloyd E. Ressegger, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application February 15, 1939, Serial No. 82,999
Term of patent 14 years



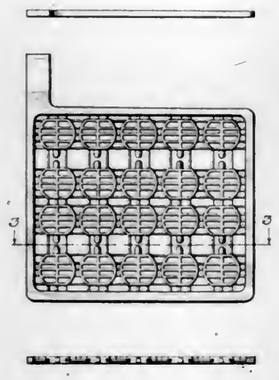
The ornamental design for a spoon or similar article, substantially as shown and described.

114,115
DESIGN FOR A WAFFLE IRON OR SIMILAR ARTICLE
Joseph E. Barrett, Cape Girardeau, Mo., assignor to Superior Electric Products Corp., Cape Girardeau, Mo., a corporation of Missouri
Application December 7, 1938, Serial No. 81,618
Term of patent 3½ years



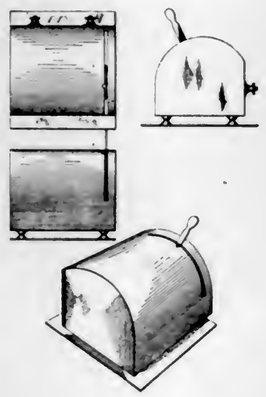
The ornamental design for a waffle iron or similar article, substantially as shown and described.

114,116
DESIGN FOR A BATTERY PLATE ASSEMBLY
Benjamin D. Emanuel, Anderson, Ind.
Application October 5, 1938, Serial No. 80,283
Term of patent 14 years



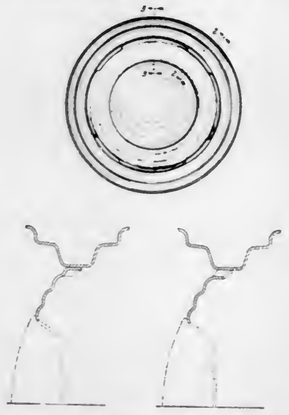
The ornamental design for a battery plate assembly, as shown.

114,117
DESIGN FOR AN ELECTRICAL CONTROL UNIT
Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application June 16, 1938, Serial No. 77,864
Term of patent 14 years



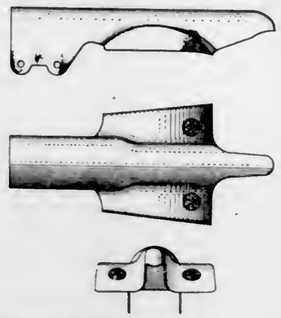
The ornamental design for an electrical control unit, substantially as shown.

114,118
DESIGN FOR A WHEEL
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 26, 1937, Serial No. 71,339
Term of patent 7 years



The ornamental design for a wheel, as shown.

114,119
DESIGN FOR AN EXHAUST EXTENSION
William H. Johnsen, Dallas, Tex.
Application January 26, 1939, Serial No. 82,625
Term of patent 7 years



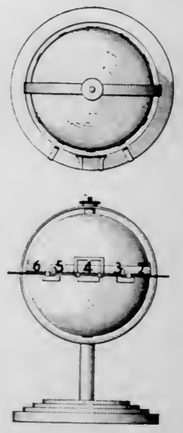
The ornamental design for an exhaust extension, substantially as shown.

114,120
DESIGN FOR AN ASHTRAY
Peter R. Kapikian, Astoria, Long Island, N. Y.
Application February 8, 1938, Serial No. 74,953
Term of patent 14 years



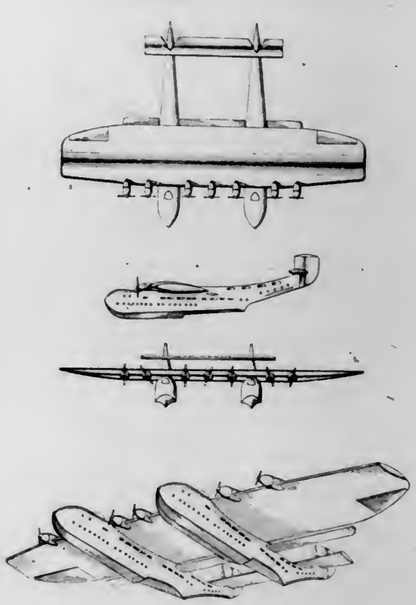
The ornamental design for an ashtray, as shown and described.

114,121
DESIGN FOR A CLOCK
Paul M. Klein, Cedarhurst, N. Y.
Application July 14, 1938, Serial No. 78,473
Term of patent 7 years



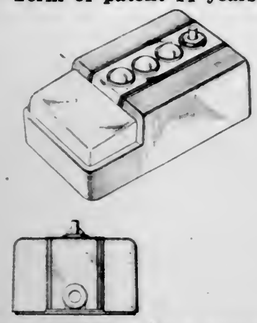
The ornamental design for a clock, as shown and described.

114,122
DESIGN FOR AN OCEANPLANE
James V. Martin, Hempstead, N. Y.
Application November 30, 1937, Serial No. 73,279
Term of patent 14 years



The ornamental design for an oceanplane, as shown.

114,123
DESIGN FOR A CONTROL DEVICE FOR PHONOGRAPHS
Ray Patten, Wilton, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application June 30, 1938, Serial No. 78,181
Term of patent 14 years



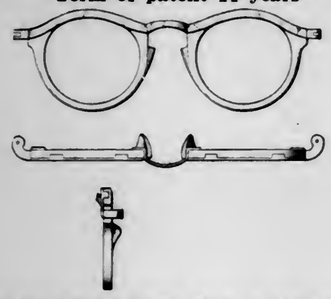
The ornamental design for a control device for phonographs, as shown.

114,124
DESIGN FOR A SLIPPER
Max Shanzer, New York, N. Y.
Application February 7, 1939, Serial No. 82,840
Term of patent 3½ years



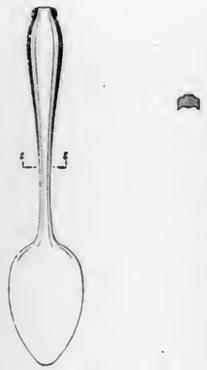
The ornamental design for a slipper, substantially as shown.

114,125
DESIGN FOR A SPECTACLE FRONT
Vincent Tanasso, Harrison, and Jacob J. Pomeranz, Brooklyn, N. Y.
Application June 17, 1938, Serial No. 77,907
Term of patent 14 years



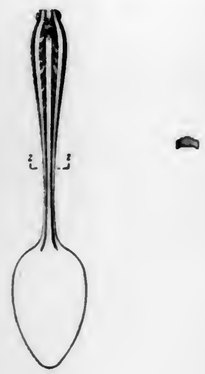
The ornamental design for a spectacle front, as shown.

114,126
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application February 14, 1939, Serial No. 82,981
Term of patent 7 years



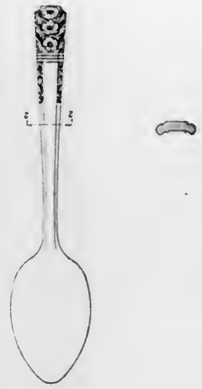
The ornamental design for a spoon or other article of flatware, substantially as shown.

114,127
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application February 14, 1939, Serial No. 82,982
Term of patent 7 years



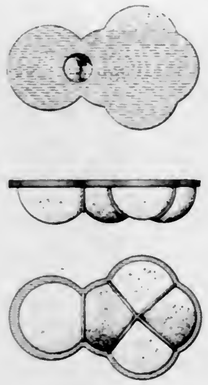
The ornamental design for a spoon or other article of flatware, substantially as shown.

114,128
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application February 14, 1939, Serial No. 82,983
Term of patent 7 years



The ornamental design for a spoon or other article of flatware, substantially as shown.

114,129
DESIGN FOR A BODY FOR STRINGED MUSICAL INSTRUMENTS
Anthony G. Cox, Honolulu, Territory of Hawaii
Application November 28, 1938, Serial No. 81,438
Term of patent 14 years



The ornamental design for a body for stringed musical instruments, as shown.

114,130
DESIGN FOR A PRINTED TABLECLOTH OR SIMILAR ARTICLE
Lawrence Dinkelspiel, West New York, N. J.
Application February 7, 1939, Serial No. 82,816
Term of patent 3½ years



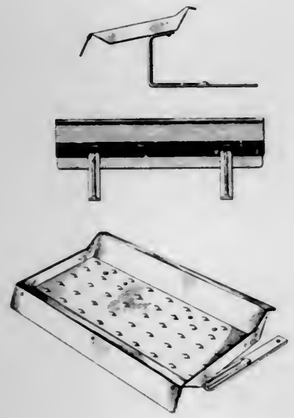
The ornamental design for a printed tablecloth or similar article, as shown and described.

114,131
DESIGN FOR A DRESS AND SLIP ENSEMBLE
Alice Engel, New York, N. Y.
Application January 19, 1939, Serial No. 82,426
Term of patent 3½ years



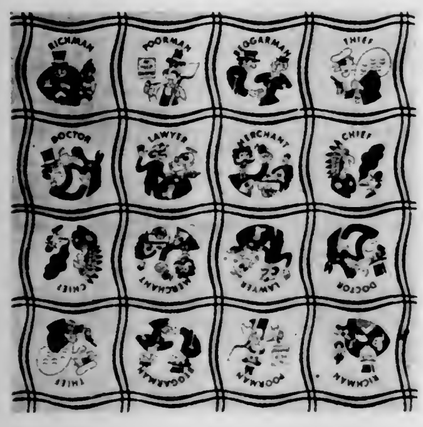
The ornamental design for a dress and slip ensemble, substantially as shown and described.

114,132
DESIGN FOR A COMBINED DISPLAY SHELF AND BRACKET
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application December 28, 1938, Serial No. 82,017
Term of patent 7 years



The ornamental design for a combined display shelf and bracket, substantially as shown.

114,133
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Irving H. Fishlove, Chicago, Ill.
Application November 19, 1938, Serial No. 81,236
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

114,134
DESIGN FOR A DRESS AND SLIP ENSEMBLE
Margaret Michelson, New York, N. Y.
Application December 16, 1938, Serial No. 81,808
Term of patent 3½ years



The ornamental design for a dress and slip ensemble, substantially as shown and described.

114,135
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,327
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,136
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,328
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,137
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,329
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

114,138
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,331
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,139
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,332
Term of patent 3½ years



The ornamental design for a necklace, substantially as shown.

114,140
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,334
Term of patent 3½ years



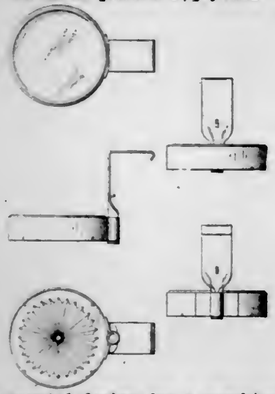
The ornamental design for a clip pin, substantially as shown.

114,141
DESIGN FOR A NECKLACE
Alfred Philippe, New York, N. Y.
Application March 4, 1939, Serial No. 83,335
Term of patent 3½ years



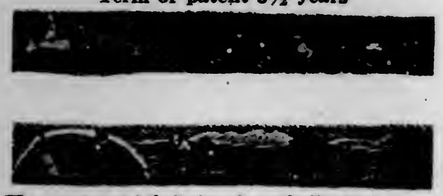
The ornamental design for a necklace, substantially as shown.

114,142
DESIGN FOR A COMBINED ASHTRAY AND BRACKET SUPPORT THEREFOR
Thomas E. Platt, San Francisco, Calif.
Application April 29, 1938, Serial No. 76,850
Term of patent 3½ years



The ornamental design for a combined ashtray and bracket support therefor, substantially as shown.

114,143
DESIGN FOR A BELT
Geneva Thompson Porter, North Tonawanda, N. Y.
Application February 2, 1939, Serial No. 82,736
Term of patent 3½ years



The ornamental design for a belt, as shown.

114,144
DESIGN FOR A SHAVING IMPLEMENT
Henry T. Schiff, Chicago, Ill.
Application November 14, 1938, Serial No. 81,077
Term of patent 7 years



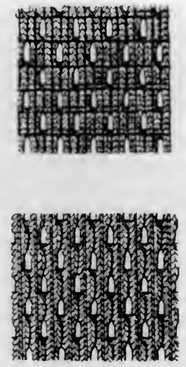
The ornamental design for a shaving implement, substantially as shown.

114,145
DESIGN FOR A DRESS ENSEMBLE
Anna H. Schwartz, New York, N. Y.
Application February 25, 1939, Serial No. 83,193
Term of patent 3½ years



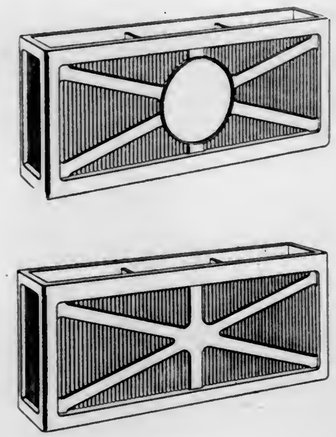
The ornamental design for a dress ensemble, substantially as shown.

114,146
DESIGN FOR FABRIC FOR SHOE UPPERS
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 5, 1938, Serial No. 74,102
Term of patent 7 years



The ornamental design for fabric for shoe uppers, as shown.

114,147
DESIGN FOR A STORAGE BATTERY CASE
Robert M. Critchfield, Anderson, and Donald B. Roberts, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 31, 1938, Serial No. 74,756
Term of patent 7 years



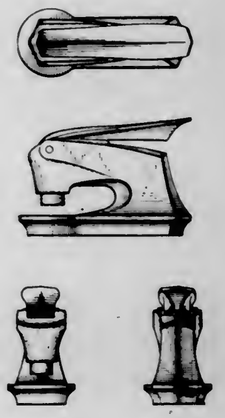
The ornamental design for a storage battery case, substantially as shown.

114,148
DESIGN FOR A DRESS
Helene Herrmann, New York, N. Y.
Application March 4, 1939, Serial No. 83,321
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,149
DESIGN FOR A SEAL PRESS OR SIMILAR ARTICLE
Marshall H. Jackson and Warren Jackson, River Forest, Ill., assignors to Dwight & M. H. Jackson, Chicago, Ill., a corporation of Illinois
Application September 2, 1938, Serial No. 79,699
Term of patent 14 years



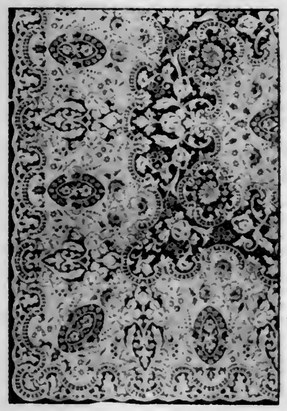
The ornamental design for a seal press or similar article, substantially as shown.

114,150
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Alex Mack and Eburn C. Hyle, New York, N. Y.
Application December 17, 1938, Serial No. 81,840
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown and described.

114,151
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1939, Serial No. 83,346
Term of patent 3½ years



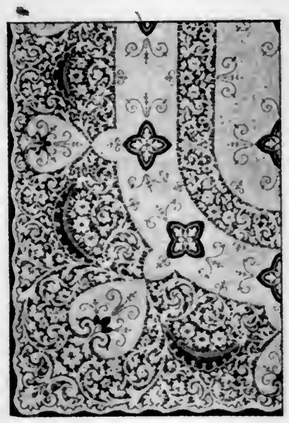
The ornamental design for a lace table cloth, substantially as shown and described.

114,152
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1939, Serial No. 83,347
Term of patent 3½ years



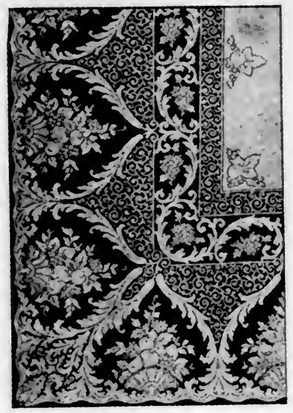
The ornamental design for a lace table cloth, substantially as shown and described.

114,153
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1939, Serial No. 83,348
Term of patent 3½ years



The ornamental design for a lace table cloth, substantially as shown and described.

114,154
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1939, Serial No. 83,349
Term of patent 3½ years



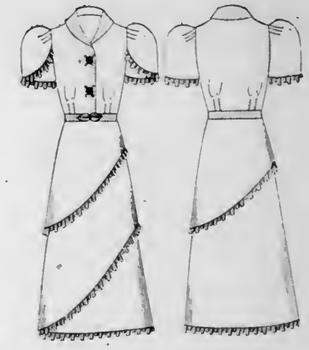
The ornamental design for a lace table cloth, substantially as shown and described.

114,155
DESIGN FOR A DRESS ENSEMBLE
Harry Presser, New York, N. Y.
Application March 4, 1939, Serial No. 83,322
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

114,156
DESIGN FOR A DRESS
Harry Presser, New York, N. Y.
Application March 4, 1939, Serial No. 83,323
Term of patent 3½ years



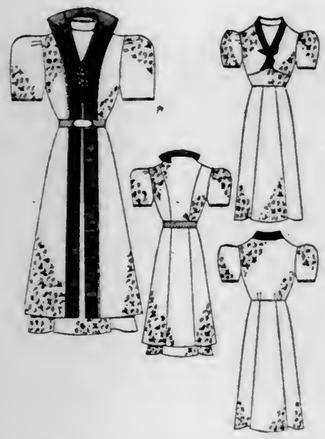
The ornamental design for a dress, substantially as shown.

114,157
DESIGN FOR A DRESS ENSEMBLE
Harry Presser, New York, N. Y.
Application March 4, 1939, Serial No. 83,324
Term of patent 3½ years



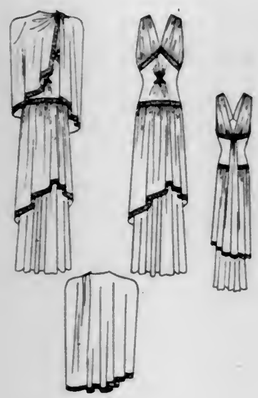
The ornamental design for a dress ensemble, substantially as shown and described.

114,158
DESIGN FOR A DRESS ENSEMBLE
Harry Presser, New York, N. Y.
Application March 4, 1939, Serial No. 83,325
Term of patent 3½ years



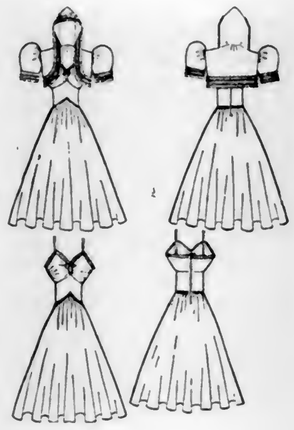
The ornamental design for a dress ensemble, substantially as shown.

114,159
DESIGN FOR A DRESS ENSEMBLE
Marguerite Reirden Richardson and Eugenia Staber, New York, N. Y.
Application March 3, 1939, Serial No. 83,311
Term of patent 3½ years



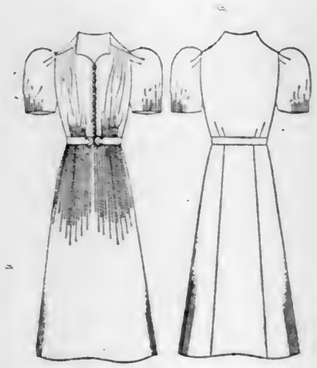
The ornamental design for a dress ensemble, substantially as shown.

114,160
DESIGN FOR A DRESS ENSEMBLE
Enid Rosenberg, New York, N. Y.
Application March 1, 1939, Serial No. 83,266
Term of patent 3½ years



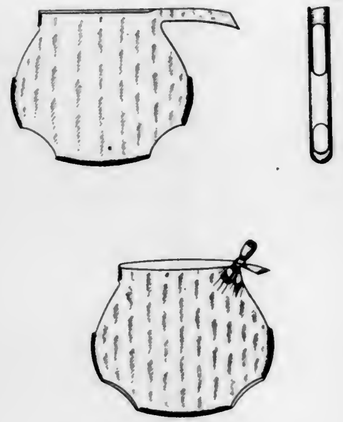
The ornamental design for a dress ensemble, substantially as shown.

114,161
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application March 4, 1939, Serial No. 83,326
Term of patent 3½ years



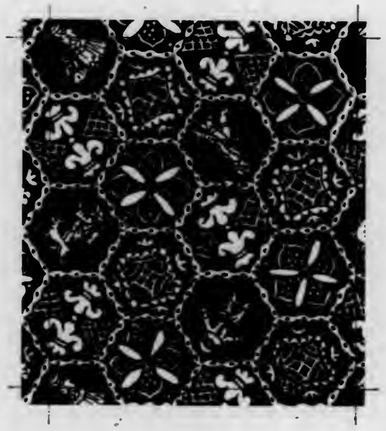
The ornamental design for a dress, substantially as shown.

114,162
DESIGN FOR PANTS
Abraham N. Spanel, Dover, Del.
Application January 24, 1938, Serial No. 74,496
Term of patent 14 years



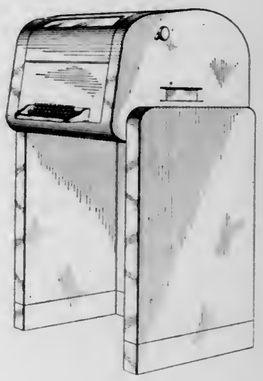
The ornamental design for pants, substantially as shown.

114,163
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Gwenyth Waugh, New York, N. Y.
Application February 17, 1939, Serial No. 83,051
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

114,164
DESIGN FOR A TELEPRINTER CABINET
Victor Weidner, Port Washington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 79,314
Term of patent 14 years



The ornamental design for a teleprinter cabinet, as shown and described.

114,165
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Virginia Winston, Jackson Heights, N. Y.
Application February 16, 1939, Serial No. 83,019
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, substantially as shown, and described.

Patents Nos. 2,153,532 to 2,154,416

THE

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April 11, 1939

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Labels	65—No.	52,755 to No.	52,819, inclusive.
Prints	25—No.	17,329 to No.	17,353, inclusive.
Reissues	4—No.	21,045 to No.	21,048, inclusive.
Patents	885—No.	2,153,532 to No.	2,154,416, inclusive.
Designs	148—No.	114,166 to No.	114,313, inclusive.
Total	1,354		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,097,142, A. E. Borton, Reel, decided March 21, 1939, claim 7.

Pat. 2,098,811, Hans Pulfrich, Composite body, decided February 15, 1939, claims 1 and 4.

Adjudicated Patents

(D. C. N. Y.) Richner patent, No. 1,635,690, for eavestrough hanger, *Held* valid and infringed. *Berger Bros. Co.* v. *Royal Apex Mfg. Corporation*, 26 F. Supp. 87.

(D. C. Mich.) Schmidtke patent, No. 1,752,856, for method and apparatus for making baskets, claims 16 and 18 *Held* invalid. *Straight Side Basket Corporation* v. *Zapf Fruit Package Co.*, 26 F. Supp. 90.

(D. C. Mich.) Schmidtke patent, No. 1,895,586, for basket, claim 2 *Held* valid but not infringed. *Id.*

(C. C. A. Ill.) Berndt patent, No. 1,955,528, for connecter, *Held* invalid. *Electroline Co.* v. *Reliable Electric Co.*, 101 F.(2d) 380.

Trade-Mark Registrations Canceled

333,883. Chintz. Cyrus Clark Co., Inc., New York, N. Y. Registered April 7, 1936. Canceled March 21, 1939.

346,618. Head production and retention compound for use in ale and beer. Whitehurst Chemical Research Corporation, New York, N. Y. Registered June 1, 1937. Canceled March 21, 1939.

346,619. Beverage-clearing compound for ale and beer. Whitehurst Chemical Research Corporation, New York, N. Y. Registered June 1, 1937. Canceled March 21, 1939.

363,519. Sanitary napkins. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Registered December 27, 1938. Canceled March 21, 1939.

Important Information

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Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

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Condition of Applications Under Examination at Closd of Business March 25, 1939

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,449; Trade-Mark Division, 1,518. Oldest new case, July 28, 1938; oldest amended, Aug. 12, 1938.)
(The dates given are 1938 except where † indicates 1939)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 15	Oct. 21	698
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 7	Oct. 28	668
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 9	†Feb. 1	249
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 13	Nov. 5	418
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 27	Dec. 29	562
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 24	Sept. 12	1072
5725	7. JARBOE, C. O., Optics; Photography	Dec. 17	Dec. 15	927
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 25	Nov. 7	866
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 30	Nov. 18	695
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 13	†Jan. 5	609
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 12	Dec. 8	442
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sep. 17	Oct. 5	918
3096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 12	Oct. 12	721
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 9	†Jan. 3	476
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 21	Nov. 21	1103
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 4	Oct. 13	719
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 3	Nov. 3	480
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Sep. 30	Sep. 24	541
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 21	Dec. 19	480
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 9	†Jan. 10	303
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 23	Dec. 20	494
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 30	Nov. 30	759
7624	23. BUTTNER, W. J., Registers (part)	Aug. 16	Aug. 12	289
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 17	†Jan. 21	372
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 16	Dec. 15	421
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 25	Nov. 28	599
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Sept. 27	Sep. 26	990
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 18	Nov. 14	449
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 18	Nov. 17	604
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 7	Oct. 8	876
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 27	Dec. 27	614
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 27	Dec. 10	451
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Dec. 12	Nov. 25	719
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Jan. 24	†Jan. 14	286
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Nov. 29	Dec. 1	589
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 22	Oct. 21	547
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 1	Oct. 4	672
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 8	Oct. 8	520
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 24	Dec. 20	519
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 26	Oct. 26	1481
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Oct. 20	228
5882	42. CUTTING, H. O., Electric Signaling	Sept. 15	Sept. 12	632
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 2	Dec. 2	475
4087 B	44. HARVEY, L. P., Refrigeration	Nov. 4	Oct. 18	629
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 8	Nov. 14	659
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 2	Nov. 2	668
6082	47. LOWE, E. R., Clutches; Brakes	Dec. 14	Dec. 3	380
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 30	†Jan. 3	361
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 17	Sept. 15	958
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 22	Sept. 23	1215
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 19	Dec. 19	703
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 14	Dec. 13	773
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Dec. 6	Dec. 8	604
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Jan. 4	Dec. 30	343
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1293
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 25	Oct. 25	1048
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Dec. 3	Nov. 4	441
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 29	Dec. 23	354
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 15	Dec. 22	579
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 18	Nov. 18	440
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 20	Oct. 18	545
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 27	Dec. 29	450
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 23	Nov. 16	358
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 15	Nov. 15	903
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 7	Oct. 6	596
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	†Feb. 23	†Mar. 9	1,419
	{Labels and Prints	†Mar. 17	†Mar. 15	99
2605	Designs: H. H. KALUPY	†Feb. 16	†Mar. 3	1,011

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

THE PENNZOIL COMPANY
v.
HERCULES POWDER COMPANY

No. 4,039. Decided December 27, 1938

[100 F.(2d) 671]

TRADE-MARKS — OPPOSITION — CONFUSING SIMILARITY— "DIPENOL" AND "PENNZOIL".

Where registration of the trade-mark "Dipensol" for use on a terpene hydrocarbon solvent was opposed by the owner of the registered trade-mark "Pennzoil" for use on motor fuel oils, lubricating oils and greases, *Held* "considering the difference in the marks and the differences in the character and uses of the goods of the respective parties, that the concurrent use of the involved trade-marks would not be likely to cause confusion in trade or result in damage to" opposer.

APPEAL from Patent Office. Affirmed.

Mr. John S. Powers (*Mr. Joseph W. Milburn* of counsel) for The Pennzoil Company.

Mr. Edward B. Beale (*Mr. John A. Graves* of counsel) for Hercules Powder Company.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences dismissing appellant's notice of opposition, and holding appellee entitled to the registration of its trade-mark "Dipensol", for use on a terpene hydrocarbon solvent.

In its application, Serial No. 365,941, filed June 8, 1935, appellee stated that its terpene hydrocarbon solvent was "for use in all processes and compounds using turpentine, such as paints, varnishes, enamels, protective coatings, rubber processing, and cleaning compounds, etc."

Appellee's product, which is procured by the fractional distillation of pine wood, is a mixture of terpinene and terpinolene, and contains a small amount of dipentene and traces of pinene. It is very similar to turpentine in its solvent properties, and is used, to a considerable extent, as a substitute therefor. It is used in the formulation of paints, but, as stated by the witness Langmeier, director of sales, naval stores department of the appellee company, "only in small quantities to accomplish a specific result which is not accomplished by turpentine or by petroleum thinners". Its chief use, however, is in the reclaiming of rubber and in the formulation of varnishes. Its use in the rubber reclaiming industry is that of a "devulcanizer", "not a solvent", although it appears that it "could be used to dissolve rubber". It is also used in making protective coatings, such as "lacquers, nitrocellulose lacquers", in cleaning compounds in the nature of a disinfectant, and in compounds for cleaning painted surfaces. It is sold directly to rubber reclaiming industries, paint and varnish manufacturers, and distributors or jobbers in 30 and 55 gallon drums and tank cars. Although it is not sold generally in small quantities at retail, it has been sold as samples in small containers, such as pints, quarts, and gallons. It appears that some of the distributors who handle appellee's product also handle naphtha, produced by petroleum refiners, for use in the paint and varnish industry. It further appears that appellee's product is not available either as a lubricant or as a motor fuel, and, because of its resin forming properties, is not available for use in the dry cleaning industry.

Appellant, The Pennzoil Company of California, is a subsidiary of, and the major portion of its stock is owned by, The Pennzoil Company of Pennsylvania. Appellant is engaged in the marketing of gasoline and lubricating oils and greases produced by the parent company, and is the owner of registration No. 111,759, issued August 1, 1916, on an application filed January 12, 1916, by the Panama Lubricants Company, appellant's predecessor, of the trade-mark "Pennzoil" for use on lubricating oils and greases, and registration No. 248,431, issued October 23, 1928, on an application filed by it April 18, 1928, of a composite trade-mark, comprising a pictorial representation of a bell and the word "Pennzoil" (the word "Pennzoil" being the dominant feature of the mark), for use on motor fuel oils and lubricating oils and greases. Apellant has continuously used its trade-mark on its goods since long prior to any use by appellee of its trade-mark "Dipensol", and, although its sales are restricted to the Pacific Coast States, its trade-mark has been extensively advertised throughout the United States in the Saturday Evening Post, and in other publications, for many years prior to the use by appellee of its trade-mark, and several million dollars have been expended by appellant and the parent company in advertising the "Pennzoil" trade-mark.

The Pennzoil Company of Pennsylvania is engaged in producing and selling petroleum products, such as "gasoline, naphtha, kerosene, lubricating oil, so-called neutral oils, so-called bright stocks, cylinder stocks, scale waxes, petrolatum, fuel oil, [and] gas oil". It has manufactured "thinning" or "V. M. and P. naphtha" for its own use for many years, and has used it in the manufacture of "barrel paint", used by it in reconditioning containers, such as drums, in which some of its products are distributed, and, although it has sold some of this type of naphtha, there is no evidence of record that it is selling it at the present time. It appears that "V. M. and P. naphtha" is listed in trade publications as a solvent, however, the extent of its use as such is not stated in the record. The parent company also manufactures and sells a "cleaning naphtha" for use in cleaning garments, fabrics, linens, etc., which is sold to the public through the company's branches, commonly called "gasoline service stations", under the trade-mark "Pennzoil". The appellant company, however, does not now sell, and never has sold, either "V. M. and P. naphtha" or "cleaning naphtha". In addition to lubricating oils and greases on which it uses its mark "Pennzoil",

the appellant company sells gasoline under the trade-mark "Pennzip".

In opposing the registration of appellee's trade-mark, appellant relies here upon the confusion-in-trade clause of section 5 of the Trade-mark Act of February 20, 1905. Counsel for appellant contend that the goods of the respective parties possess the same descriptive properties; that appellee's trade-mark "Dipensol" and appellant's trade-mark "Pennzoil" are confusingly similar; that, although appellant does not now sell, and never has sold, either "V. M. and P. naphtha" or "cleaning naphtha", it might in the future in the normal extension of its business engage in the sale of either or both, and that it should not be hampered or embarrassed in the use of its trade-mark "Pennzoil" on such products; that as both "V. M and P. naphtha" and "cleaning naphtha" are competitive with appellee's product, confusion in trade would result by the concurrent use by the parties of their respective trade-marks; and that as appellant's trade-mark is a valuable one, appellant would be injured by the registration of appellee's mark.

The Examiner of Interferences was of opinion that, although the goods of the respective parties possessed the same descriptive properties, they differed to such an extent that, considering the difference in the respective trade-marks, confusion in trade would not be likely to result from the concurrent use of the marks, and, accordingly, dismissed the notice of opposition.

With reference to the right of appellant to extend its use of its trade-mark to naphtha, the Commissioner, in his decision affirming the decision of the Examiner of Interferences, said:

> As opposer has never applied its mark to any such product, and the possibility of its doing so is purely speculative, I do not think the question of particular importance in the present proceeding. But even if opposer were now dealing in naphtha, that fact would not change my view that confusion is unlikely to result from applicant's use of its mark on the goods described in the application.
>
> If the two marks "Pennzoil" and "Dipensol" were used with identical or closely related merchandise the probability of confusion would be apparent. Or if the marks were identical it is likewise possible that confusion might result from their concurrent use with the goods here involved. But as the marks are different, and the goods are not the same, I am clearly of the opinion that there is no reasonable likelihood that confusion will occur.

It is not seriously argued here by counsel for appellee that the goods of the respective parties do not possess the same descriptive properties. It is argued by counsel, however, that, considering the difference in the goods of the parties and the difference in the involved marks, there is no likelihood of confusion in trade, even though appellant extends the use of its mark to naphtha, a product which it does not now sell.

It may be, as argued by counsel for appellant, that "V. M. and P. naphtha" may be used as a "rubber solvent" and as a solvent or thinner in the manufacture of paints and varnishes, however, the extent of its use for such purposes does not appear from the record, nor is there anything of record to establish that it is sold at retail. We must assume, therefore, so far as the issues in this case are concerned, that when it is purchased by the "rubber solvent trade" and paint and varnish manufacturers, it is purchased in wholesale quantities either directly from manufacturers thereof or through jobbers or distributors as is appellee's product. That such purchasers are far more discriminating than those of the general public who purchase goods at retail cannot be seriously questioned. In purchasing goods like those here involved, discriminating purchasers would not likely be misled by the concurrent use of the involved trade-marks either as to the character or origin of the goods. Accordingly, we are of opinion that purchasers of "V. M. and P. naphtha" would not be confused by the concurrent use by the parties of their trade-marks on their respective goods, assuming that appellant should sometime in the future extend its business to include the sale of "V. M. and P. naphtha" and extend the use of its trade-mark to that product. In this connection, we think it proper to observe that there is nothing of record to indicate that "V. M. and P. naphtha" and appellee's product possess the same character of effectiveness as solvents, or that they are commercially competitive.

With regard to "cleaning naphtha", used in the cleaning of clothing, it clearly appears from the record that appellee's product is not available for such use because of its resin forming properties. Furthermore, we find nothing of record to establish that those products are commercially competitive or that they are used commercially for the same purposes.

The Pennzoil Company of Pennsylvania also produces coating products, referred to in the record as "'Pennzoil' anti-rust oil, 'Pennzoil' coating oil, 'Pennzoil' No. 3 slushing oil, 'Pennzoil' No. 6 slushing oil, [and] 'Pennzoil' No. 10 slushing oil."

"Pennzoil coating oil" is used for coating steel sheets, such as automobile plates, to prevent them from rusting. The "Pennzoil slushing oils" have similar uses. Those products are sold for export to foreign countries, and to steel mills in the United States. The only similarity of use between appellee's product and the coating and slushing oils produced and sold by the Pennzoil Company of Pennsylvania is that appellee's product could be used as a diluent in a compound manufactured for the use to which such coating and slushing oils are put.

We are of opinion, therefore, considering the difference in the marks and the differences in the character and uses of the goods of the respective parties, that the concurrent use of the involved trade-marks would not be likely to cause confusion in trade or result in damage to appellant, even though appellant should sometime in the future extend its business to include the sale of "V. M. and P. naphtha", "cleaning naphtha", and the several coating products produced by its parent company, The Pennzoil Company of Pennsylvania.

The decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

AMERICAN BREWING COMPANY, INC.,

v.

DELATOUR BEVERAGE CORPORATION (AMERICAN DRY CORPORATION, ASSIGNEE, SUBSTITUTED)

No. 4,022. Decided December 19, 1938

[100 F.(2d) 253]

1. TRADE-MARKS—CANCELLATION — SIMILARITY OF MARKS—DISCLAIMED DESCRIPTIVE WORDS GIVEN LESSER PROMINENCE.

"We are of the opinion that disclaimed descriptive words in a mark should not be given the same prominence as that portion of the mark which possesses all of the qualities of a valid technical trade-mark. It is true that the general rule is that marks should be regarded in their entirety, including disclaimed words, but we do not think it could well be argued that disclaimed descriptive words could ever constitute the dominant part of a mark."

2. SAME—SAME—SAME.

Where cancellation of the registration of a trade-mark comprising a representation of the Statue of Liberty in association with the disclaimed words "America Dry Ginger Ale" was sought in view of prior use of a trade-mark consisting of a representation of the Statue of Liberty and the word "Liberty" upon goods of the same descriptive properties, *Held* that the representation of the Statue of Liberty is the dominant portion of the mark sought to be cancelled, and that, considering the registrant's mark as a whole, it is confusingly similar to appellant's mark, and the concurrent use of the marks would be likely to deceive purchasers.

3. SAME—SAME—SAME—NOT AVOIDED BY ADDING DESCRIPTIVE DISCLAIMED WORDS.

"We think * * * that confusing similarity between two trade-marks may not be avoided by the later user merely by adding descriptive disclaimed words to a technical mark clearly similar to the mark of the earlier user."

APPEAL from Patent Office. Reversed.

Messrs. Mason, Fenwick and Lawrence (*Mr. Edward G. Fenwick* and *Mr. Charles R. Fenwick* of counsel) for American Brewing Co. Inc.

Mr. Charles R. Allen for Delatour Beverage Corp. (American Dry Corporation, Assignee, substituted).

LENROOT, *J.*:

This is an appeal in a trade-mark cancellation proceeding wherein the Commissioner of Patents reversed a decision of the Examiner of Interferences which granted appellant's petition for cancellation of appellee's registered mark.

The trade-mark registration sought to be cancelled, No. 188,408, was issued on August 26, 1924, to the Delatour Beverage Corporation of New York for use on ginger ale. The mark consists of a representation of the Statue of Liberty and the printed words "America Dry Ginger Ale". The registration statement contains the following:

> * * * no claim being made to the printed words apart from the mark shown in the drawing.
>
> The trade-mark has been continuously used in its business since the seventeenth day of January, 1924.

Appellant's petition for cancellation, filed October 21, 1933, alleged that it and its predecessors long prior to January 17, 1924, had adopted and used as a trade-mark upon beer and ale a composite mark consisting of a representation of the Statue of Liberty and the word "Liberty"; that the goods upon which the marks of the respective parties are used, viz., beer and ale on the one hand and ginger ale on the other, are of the same descriptive properties; that the marks are deceptively similar, and that the use by the registrant of the word "America" as a part of its trade-mark sought to be cancelled amounts to an appropriation of an essential feature of petitioner's corporate name, American Brewing Company. The petition contains the usual allegations of damage to appellant by the registration sought to be cancelled.

Appellee, American Dry Corporation, answered said petition and alleged that by mesne assignments it had succeeded to the rights of Delatour Beverage Corporation in the registration sought to be cancelled; that the marks of the parties are not confusingly similar; that the use of the words "America Dry" as a part of its trade-mark is not the appropriation of an essential feature of appellant's corporate name, and denied that appellant had been or would be damaged.

Both sides took testimony.

The Examiner of Interferences held that appellee had not established that it was the assignee of the registration to Delatour Beverage Corporation, and sustained appellant's petition for cancellation.

Upon appeal the Commissioner reversed the decision of the Examiner, holding that title in appellee had been sufficiently established, and upon the merits held that the marks of appellant and appellee were not confusingly similar.

It thus appears that two issues are presented: first, whether or not appellee has established title to the registration which is here sought to be cancelled, and second, whether the respective marks of the parties are confusingly similar.

In view of the conclusion we have reached upon the second of these issues we will assume, without deciding, that appellee has properly established title to the registration sought to be cancelled, and proceed to a consideration of the issue of confusing similarity of the involved marks.

Section 13 of the Trade-Mark Act of February 20, 1905, reads as follows:

> Sec. 13. That whenever any person shall deem himself injured by the registration of a trade-mark in the Patent Office he may at any time apply to the Commissioner of Patents to cancel the registration thereof. The Commissioner shall refer such application to the Examiner in charge of interferences, who is empowered to hear and determine this question and who shall give notice thereof to the registrant. If it appear after a hearing before the Examiner that the registrant was not entitled to the use of the mark at the date of his application for registration thereof, or that the mark is not used by the registrant, or has been abandoned, and the Examiner shall so decide, the Commissioner shall cancel the registration. Appeal may be taken to the Commissioner in person from the decision of Examiner of Interferences.

The Examiner of Interferences, in his decision sustaining appellant's petition for cancellation did not discuss the question of the confusing similarity of the marks. The Commissioner in his decision stated:

> Respondent's mark is "America Dry Ginger Ale" in association with a picture of the Statue of Liberty, and it is registered for use with ginger ale. Petitioner's mark is the word "Liberty" in association with a picture of the Statue of Liberty. It is used with beer and ale, and has been so used since a date prior to respondent's alleged date of first use of the registered mark. The only feature common to both marks is the picture.
>
> In my opinion the goods of the parties are of the same descriptive properties within the meaning of the Trade-Mark Act, but they are nevertheless specifically different. Regardless of the occurrence of a representation of the Statue of Liberty in both marks I am convinced that there is no reasonable likelihood of confusion

between them as applied to such goods. No actual confusion has been proved, nor is there any evidence that petitioner has been injured. In a proper case damage will be presumed, but I do not think that any such presumption is warranted here.

We are in accord with the holding of the Commissioner that the record establishes that appellant's use as a trade-mark of the word "Liberty" in association with a picture of the Statue of Liberty antedates the application upon which the Delatour Beverage Corporation was granted registration of its mark.

The Commissioner, however, makes no mention of the fact that in the registration of the Delatour Beverage Corporation the words "America Dry Ginger Ale" are disclaimed apart from the mark shown in the drawing, which is a representation of the Statue of Liberty.

We also agree with the Commissioner that the goods upon which the respective marks are used are of the same descriptive properties.

[1] If the disclaimed words, "America Dry Ginger Ale", in registrant's mark should be given the same prominence and weight as the representation of the Statue of Liberty therein, we could agree with the Commissioner that, considering the difference in goods and the differences in the marks, there is no reasonable likelihood of confusion arising from the use of the respective marks; but we are of the opinion that disclaimed descriptive words in a mark should not be given the same prominence as that portion of the mark which possesses all of the qualities of a valid technical trade-mark. It is true that the general rule is that marks should be regarded in their entirety, including disclaimed words, but we do not think it could well be argued that disclaimed descriptive words could ever constitute the dominant part of a mark.

In the case of *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538, 546, 274 O. G. 613, the court said:

> • • • a disclaimer on the part of applicant that no claim is made to the use of the words "Moistair Heating System" apart from the mark as shown in the drawing and as described, would preserve to all others the right to use these words in the future to truthfully describe a like property or result of another system, provided only that they be not used in a trade-mark which so nearly resembles that of the petitioner "as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers" when applied "to merchandise of the same descriptive properties" (§ 5).

Inasmuch as the disclaimed words are clearly not registrable, apart from the mark shown, anyone has the right to use those words in a descriptive way, if descriptive of his merchandise. It therefore seems to us that the disclaimed words, although they are a part of the mark, could only in a very minor degree indicate origin of goods in the registrant.

[2] It follows from the foregoing that, in our opinion, the representation of the Statue of Liberty is the dominant portion of the mark sought to be cancelled, and that, considering the registrant's mark as a whole, it is confusingly similar to appellant's mark, and the concurrent use of the marks would be likely to deceive purchasers. This being true, damage to appellant by the use of the mark sought to be cancelled will be presumed, appellant being the prior user of its mark, and the evidence establishing that it was using its mark at the time its petition for cancellation was filed. *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corp.*, 19 C. C. P. A. (Patents) 1235, 58 F.(2d) 834.

We are frank to say that, after diligent search, we have been unable to find any decisions directly in point upon the relative importance of disclaimed descriptive words in a trade-mark, as compared with the balance of the mark. However, two cases have been decided by us which, we think, are applicable in principle to this question.

The first is the case of *Charles R. Spicer, etc.* v. *W. H. Bull Medicine Co.*, 18 C. C. P. A. (Patents) 1402, 49 F.(2d) 980. In that case appellee sought to cancel a registration of appellant under the ten-year clause of the Trade-Mark Act of 1905. Appellant's mark which was registered consisted of the notation "Spicer's Nux Herbs and Iron"; the name "Spicer's" and the words "Nux", "Herbs", and "Iron" were disclaimed apart from the mark as shown. Appellee's mark consisted of the words "W. H. Bull's Herbs and Iron", associated with a fanciful picture. No words in this mark were disclaimed. In our opinion we stated:

> We think the Commissioner erred in holding that the words "Herbs and Iron" are the essential or dominant feature of appellee's mark. In appellee's application, upon which the registration was issued, it is stated that it adopted the mark "for a medicinal preparation made from herbs and iron". We think it apparent that these words were used in the mark solely to describe the goods, and that the essential and dominant features of the mark were the name "W. H. Bull's" and the pictorial representation. We may say, in passing, that the words "Trade Mark" are found in the oval containing the picture and above the word "Iron".

So we think in the case at bar that the words "America Dry Ginger Ale" are used in the mark to describe the goods, and that the essential and dominant feature of the mark sought to be cancelled is the pictorial representation of the Statue of Liberty.

In the case of *Bon Ami Company* v. *McKesson & Robbins, Inc.*, 25 C. C. P. A. (Patents) 826, 93 F.(2d) 915, the involved marks were "Bon Ami", applied to soap in cake and powder form and on tooth paste, and the mark "Shav-ami", associated with the words "Brushless Shave", applied to shaving cream. The words "Brushless Shave" were disclaimed apart from the mark shown. We held that there was likelihood of confusion in the concurrent use of the two marks. Judge Hatfield, in a concurring opinion, stated:

> If all that a newcomer in the field need do in order to avoid the charge of confusing similarity is to select a word descriptive of his goods and combine it with a word which is the dominant feature of a registered trade-mark so that the borrowed word becomes the dominant feature of his mark, the registered trade-mark, made valuable and outstanding by extensive advertising and use, soon becomes of little value, and, of course, each of the subsequent imitating trade-marks (and there would be many) is of value only to the extent that its users are trading on the good will of the owner of the original registered trade-mark.

[3] We think the observations last above quoted are applicable here, and that confusing similarity between two trade-marks may not be avoided by the later user merely by adding descriptive disclaimed words to a technical mark clearly similar to the mark of the earlier user. Were it otherwise, one desiring to profit from another's trade-mark could appropriate it and, by superimposing upon it a number of descriptive words, not in themselves registrable, and therefore disclaimed apart from the mark shown, secure registration of the same, because the two marks would not be confusingly similar if the descriptive disclaimed words be given the same effect, in considering the mark as a whole, as if such disclaimed words were in themselves registrable as a valid trade-mark. In other words, it cannot be that an applicant, by combining a technical trade-mark and descriptive words, neither of which alone would be registrable to him, can produce a composite mark which is registrable.

Upon the suggestion by appellee of a diminution of the record, on certiorari certain additional parts of the record were certified to this court by the Patent Office. Our order provided that the costs incident thereto should be subsequently taxed by us. Upon inspection of these papers so certified, we conclude that they were reasonably necessary to the proper disposition of the issues, as embodied in the reasons of appeal and the arguments in the brief of appellant. Therefore, the costs of printing the additions to the record will be taxed against appellant.

For the reasons herein stated, the decision of the Commissioner of Patents is reversed, with directions to grant appellant's petition for cancellation.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,365,431, E. E. Wickersham, Self-laying track tractor; 2,034,125, same, Tractor; 1,386,979, same, Transmission mechanism; 1,379,323, W. Turnbull, Self-laying track vehicle; 1,395,021, C. A. Whitnall, Equalizer bar for chain track tractors; 1,520,432, E. F. Norelius, Traction engine; 1,945,169, G. M. Walker, Tractor; 2,008,901, 1,972,078, H. S. Eberhard, Seal; 2,022,079, 2,049,643, same, Motor vehicle; 1,972,394, W. H. Radford, Shaft seal; 2,049,672, O. L. Starr, Tractor, D. C., N. D. Calif. (San Francisco), Dec. E 4099–S, *International Harvester Co.* v. *Caterpillar Tractor Co.* Patents held not infringed by plaintiff and defendant's counter claim dismissed Jan. 30, 1939.

1,379,323. (See 1,365,431.) 1,386,979. (See 1,365,431.)

1,389,982. (See Re. 15,462.)

1,395,021. (See 1,365,431.)

1,398,507, J. H. Gravell, Method of and composition for cleaning metals; 1,428,085, same, Composition for and method of preventing metal from rusting; 1,534,446, same, Chemical for and method of preparing metals for painting; 1,474,133, W. H. Allen, Polish for enameled surfaces, D. C., E. D. Mich. (Detroit), Doc. 7100, *American Chemical Paint Co.* v. *Briggs Mfg. Co.* Dismissed (notice Jan. 24, 1939).

1,405,633, M. O. Smith, Fuel vaporizer for carburetor; 1,477,724, same, Vaporizer, filed Jan. 25, 1939, D. C., E. D. Mo. (St. Louis), Doc. 138, *The Gasifier Mfg. Co.* v. *Ford Motor Co.*

1,428,085. (See 1,398,507.) 1,474,133. (See 1,398,507.)

1,477,724. (See 1,405,633.)

1,510,610, P. H. Rylander, Sterilizer; 1,641,097, same, Means for sterilizing cotton and other seeds, D. C., W. D. Tex. (San Antonio), Doc. 10, *Rylander Cotton Machines Co.* v. *Grande Rio Cotton Oil Co.* Plaintiff agrees to grant defendant a license to make use of the inventions described in said patents; injunction refused (notice Jan. 27, 1939). Same, D. C., S. D. Tex. (Brownsville), Doc. 13, *Rylander Cotton Machines Co.* v. *J. A. Frisby.* Patents held valid (notice Jan. 31, 1939).

1,513,637, M. Schwargz, Bushing; 1,644,154, C. F. Schriner, Bushing for metal receptacles, D. C., N. D. Ohio, E. Div., Doc. 4904, *American Flange & Mfg. Co., Inc.*, v. *Byrne Mfg. Co.* Dismissed as to 1,644,154; claims 1, 3, 4, 5, and 6 of 1,513,637 held valid and infringed; counterclaim dismissed Feb. 7, 1939.

1,520,432. (See 1,365,431.) 1,534,446. (See 1,398,507.)

1,614,191. (See 2,126,544.) 1,641,097. (See 1,510,610.)

1,644,154. (See 1,513,637.)

1,649,876, J. J. Walsh, Method of making electrotype; 1,650,404, same, Royaltype plate; 1,943,526, R. T. Haines, Method of backing electrotype plates, D. C., S. D. N. Y., Doc. E 86/326, *Royal Electrotype Co.* v. *Reilly Electrotype Co.* Consent decree for plaintiff (notice Jan. 27, 1939).

1,650,404. (See 1,649,876.)

1,652,703, A. S. Cushman, Corrugated metal culverts; 1,735,732, same, Process of protecting metal culverts, filed Jan. 27, 1939, D. C., S. D. Ohio, W. Div., Doc. 13, *The American Rolling Mills Co.* v. *The Finke Engineering Co. et al.*

1,729,068, H. Fischer, Process of removing soap from its container; 1,751,301, R. M. Bagley, Apparatus for making soap solutions, D. C., E. D. Pa., Doc. 9869, *R. M. Hollingshead Corp.* v. *Harley Soap Co.* Consent decree dismissing bill without prejudice (notice Jan. 20, 1939).

1,735,732. (See 1,652,703.) 1,751,301. (See 1,729,068.)

1,802,629, F. C. Copeland, Cigarette delivery and lighting device; 1,838,363, same, Dispensing and lighting device, D. C., S. D. N. Y., Doc. E 83/360, *F. C. Copeland et al.* v. *Telemotor Corp.* Dismissed without prejudice (notice Jan. 30, 1939).

1,838,363. (See 1,802,629.) 1,869,121. (See 1,911,726.)

1,910,756, H. E. Dierker, Colon irrigator; 2,024,967, same, Method and apparatus for rehabilitating peristalsis of the colon, D. C., S. D. Calif., C. Div., Doc. E 879, *H. E. Dierker et al.* v. *R. S. Kennison et al.* Claims 8 and 9 of 1,910,756 held invalid, claims 1 to 10 inclusive of 2,024,967, held valid and infringed July 22, 1938.

1,911,726, Tanner & Lodeesen, Production of phosphate coatings on metals; 1,869,121, Thompson & Tanner, Method and material for coating metal surfaces, D. C., W. D. Mich. (Grand Rapids), Doc. 2787, *Parker Rust Proof Co.* v. *Borg-Warner Corp.* Dismissed Jan. 30, 1939.

1,924,976. (See 1,962,705.) 1,943,526. (See 1,649,876.)

1,945,169. (See 1,365,431.)

1,957,314. (See Re. 19,750.)

1,962,705, L. H. Brown, Centrifugal casting; 1,924,976, same, Centrifugal casting machine, D. C., W. D. Okla. (Oklahoma City), Doc. E 1671, *Haynes Stellite Co.* v. *Osage Metal Co., Inc.* Dismissed Jan. 28, 1939.

1,972,078. (See 1,365,431.) 1,972,394. (See 1,365,431.)

2,000,064, 2,120,230, H. S. Cover, Respirator, filed Jan. 30, 1939, D. C., S. D. N. Y., Doc. 2/267, *H. S. Cover* v. *N. Schwartz (Hygeia Respirator Co.).*

2,008,901. (See 1,365,431.)

2,014,303. (See Re. 18,856.)

2,022,079. (See 1,365,431.)

2,023,295, H. L. Thackwell, Sludge digesting tank; Re. 19,878, Keefer & Wachter, Sewage treating apparatus; Re. 20,072, C. H. Scott, Sedimentation apparatus, D. C., N. D. Ill., W. Div., Doc. 2, *The Dorr Co., Inc.*, v. *The City of Sterling, Ill., et al.* Dismissed on motion of plaintiff, defendant concurring (notice Jan. 9, 1939).

2,024,967. (See 1,910,756.) 2,029,561. (See 2,036,757.)

2,034,125. (See 1,365,431.)

2,036,757, J. W. Hume, Adjustable balancer for wheels; 2,029,561, V. L. du Sang, Wheel balancing weights, D. C., S. D. Ind. (Indianapolis), Doc. E 1930, *H. C. Loney Co. et al.* v. *C. W. Mills.* Dismissed Jan. 24, 1939.

2,049,643. (See 1,365,431.) 2,049,672. (See 1,365,431.)

2,120,230. (See 2,000,064.)

2,120,661, H. Gleitsman, Clothes hamper; Des. 110,355, same, Hamper, D. C., E. D. N. Y., Doc. E 8567, *H. Gleitsman et al.* v. *Monarch Sanitary Products, Inc.* Doc. E 8568, *H. Gleitsman et al.* v. *New York Standard Mfg. Co., Inc.* Judgment in favor of plaintiff Jan. 31, 1939, in both cases.

2,126,544, H. H. Everhard, Screen construction; 1,614,191, same, Ventilating screen, filed (notice Jan. 24, 1939), D. C., S. D. Fla. (Miami), Doc. 32, *The Everhard Mfg. Co.* v. *C. E. Peavey et al.*

Re. 15,462 (of 1,389,982), M. Ratel, Automatic stoker of the underfeed type, D. C., E. D. Pa., Doc. 10083, *M. Ratel* v. *American Engineering Co.* Dismissed for failure to file bill of particulars Feb. 6, 1939.

Re. 18,856, A. Weiss, Rotary intaglio printing machine; 2,014,303, same, Rotary intaglio printing, D. C., S. D. N. Y., Doc. E 81/394, *A. Weiss et al.* v. *R. Hoe & Co., Inc., et al.* Dismissed (notice Jan. 24, 1939).

Re. 19,750 (of 1,957,314), Billings & Offutt, Manufacture of products of carbon black and similar fine powders, filed Oct. 19, 1938, D. C. Tex. (Amarillo), Doc. 4, *G. L. Cabot, Inc.*, v. *J. M. Huber Corp.*

Doc. 19,878. (See 2,023,295.)

Re. 20,072. (See 2,023,295.)

Des. 87,445, A. S. Samuels, Ring; Des. 93,423, same, Wedding ring, D. C., N. D. Calif. (San Francisco), Doc. E 4282–S, *A. S. Samuels Co.* v. *W. J. Flood, Inc., et al.* Stipulation dismissing complaint with prejudice Jan. 19, 1939.

Des. 93,423. (See Des. 87,445.)

Des. 110,355. (See 2,120,661.)

Plant Patents 211, 215, 216, 217, 229, R. H. McKee, Hybrid poplar, filed Jan. 4, 1939, D. C. Md., Doc. 72, *McKee Poplar Forestation, Inc.*, v. *Glatfelter Pulp Wood Co.*

Plant Patent 215. (See P. P. 211.)

Plant Patent 216. (See P. P. 211.)

Plant Patent 217. (See P. P. 211.)

Plant Patent 229. (See P. P. 211.)

Changes in Classification

Order No. 3,461; March 24, 1939, directs:

In *class 46, Amusement Devices, Toys* (Division 57), subclass 90, in the note cancel "and 152, Resilient Tires and Wheels".

In *class 64, Machine Elements, Shafting and Flexible Shaft Couplings* (Division 45), subclass 11, in note (3) cancel "subclass 43" and substitute *subclasses 40 and 53 and indented subclasses;* in subclass 15 add:

(3) **Search Class—**
152—RESILIENT TIRES AND WHEELS, subclasses 69 and 87 and indented subclasses;

and in subclass 27 add:

(4) Note.—See class 152, RESILIENT TIRES AND WHEELS, subclasses 51, 52, 61, 67, 78, 83, 101, 104, 107, and 112, for resilient drive connections in spring vehicle wheels.

In *class 245, Wire Fabrics and Structure* (Division 14), subclass 1.5, in note (2) in the reference to class 152, Resilient Tires and Wheels, cancel "appropriate subclasses" and substitute *subclass 362.*

In *class 152, Resilient Tires and Wheels* (Division 45), abolish subclasses 28 to 54 and establish in lieu thereof the following subclasses:

1 **Spring wheels**
2 With lubrication
3 Spring enclosure,
4 Cylinder and piston,
5 Deformable ground engaging part
6 With plural spring types,
7 With rubber spring,
8 With pneumatic spring
9 Annular
10 With air tanks,
11 With leaf spring
12 End secured,
13 With coil spring
14 Radial
15 Cylinder and piston supported,
16 Encircled rod supported,
17 Spring encircling rigid annulus
18 With non-resilient overload stop,
19 Convertible to rigid wheel,
20 With flexible annular support,

Spring wheels—Continued
Spring encircling rigid annulus
21 Lateral thrust or tension
22 Combined spring and friction
23 Coil springs
24 Double thrust,
25 With coil springs
26 Rod encircling,
27 With balls,
28 Combined spring and friction,
29 With plural spring types
30 Rubber and pneumatic,
31 Rubber and leaf,
32 Rubber and coil
33 Annular rubber,
34 Pneumatic and leaf,
35 Pneumatic and coil
36 Annular pneumatic,
37 Leaf and coil
38 Center secured leaf,
39 End secured leaf,
40 Rubber spring
41 In shear,
42 Cylindrical
43 Transverse,
44 Blocks or balls
45 With drive
46 With separate annulus guide,
47 Annular
48 Rigid annulus enclosing,
49 Plural,
50 With separate annulus guide
51 Combined drive,
52 With drive,
53 Pneumatic spring
54 Link connected,
55 Cylinder and piston,
56 Annular
57 Rigid annulus enclosing,
58 Plural,
59 With separate annulus guide
60 Combined drive
61 Spring,
62 Links,
63 Radial,
64 Studs or lugs,
65 Through bolts,
66 Anti-creep,
67 With drive
68 Anti-creep,
69 Leaf spring
70 With braces,
71 Link connected,
72 Variously arranged,
73 Cylindrical units,
74 Transverse,
75 Straight, radial or tangential,
76 Center secured
77 With separate annulus guide
78 Combined drive,
79 Reversely curved,
80 End secured
81 Single end,
82 With separate annulus guide
83 Combined drive,
84 Oppositely curved pairs,
85 Reversely curved springs,
86 Arcuate,
87 Coil spring
88 Link connected,
89 Variously arranged
90 Tangential and radial,
91 Diagonal,
92 Circumferential,
93 Tangential,
94 Transverse
95 Center secured
96 Concentric with wheel axis,
97 Radial
98 Tandem, interposed bearing,
99 Telescoping cylinder supported,
100 Cylinder and piston supported
101 With separate drive,
102 Double acting,
103 Encircled rod supported
104 With independent annulus guide and drive,
105 With separate annulus guide
106 Combined drive
107 Spring,
108 Links,
109 Radial
110 Studs or lugs,
111 Through bolts,
112 With separate drive.

The definitions for the above subclasses and for subclasses 151 to 431 in class 152, Resilient Tires and Wheels, are also hereby established and will be published in Bulletin No. 76.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 11, 1939

[VOL. 501. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 414,705. MITCHELL & PEIRSON INCORPORATED, Philadelphia, Pa. Filed Jan. 11, 1939.



"Glazed Kid" and "Philadelphia, Pa." are disclaimed apart from the mark.
For Glazed Kid.
Claims use since Oct. 25, 1932.

Ser. No. 415,690. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del. Filed Feb. 7, 1939.

AMAZON

For Leather.
Claims use since Aug. 15, 1938.

Ser. No. 415,752. WILLARD HELBURN, INC., Salem, Mass. Filed Feb. 7, 1939.

ANYO

For Sheepskin Suede Fancy Leather.
Claims use since Sept. 15, 1938.

Ser. No. 415,753. WILLARD HELBURN, INC., Salem, Mass. Filed Feb. 7, 1939.

DOLFIN

For Water Repellent Garment Suede Leather.
Claims use since Sept. 15, 1938.

Ser. No. 415,754. WILLARD HELBURN, INC., Salem, Mass. Filed Feb. 7, 1939.

PLIA

For Grain Finish Sheepskin Fancy Leather.
Claims use since Dec. 15, 1938.

Ser. No. 415,755. WILLARD HELBURN, INC., Salem Mass. Filed Feb. 7, 1939.

SUÈVE

For Sheepskin Suede Fancy Leather.
Claims use since Oct. 15, 1938.

Ser. No. 415,767. COIL COAL & MINING COMPANY, INCORPORATED, Madisonville, Ky. Filed Feb. 8, 1939.

BLACK PEARL

For Coal.
Claims use since Aug. 27, 1938.

Ser. No. 415,913. FRED RUEPING LEATHER CO., Fond du Lac, Wis. Filed Feb. 10, 1939.

FANTASY

For Leather.
Claims use since Jan. 26, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 415,167. LESCO LTD., New York, N. Y. Filed Jan. 24, 1939.

THE BAG OF TOMORROW

The word "Bag" is disclaimed apart from the mark.
For Handbags.
Claims use since Dec. 13, 1938.

Ser. No. 415,541. COAST ENVELOPE & LEATHER PRODUCTS Co., Los Angeles, Calif. Filed Feb. 3, 1939.

COASTMADE

For Leather Goods—Namely, Brief Cases, Key Cases, and Bill Folds.
Claims use since 1928.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 405,651. S. H. KRESS AND COMPANY, New York, N. Y. Filed Apr. 23, 1938.

DART

For Shaving Cream.
Claims use since Mar. 14, 1938.

Ser. No. 415,054. EARLE M. NORTH, doing business as North Distributing Company, Houston, Tex. Filed Jan. 20, 1939.

KEM KEL

For Cleaning Compound for Cleaning Woodwork, Floors, Floor Mats and Rugs, Upholstery, and the Like.
Claims use since Jan. 5, 1939.

Ser. No. 415,678. THE J. R. WATKINS COMPANY, Winona, Minn. Filed Feb. 6, 1939.

KIX

For Soap Flakes.
Claims use since Mar. 10, 1927.

Ser. No. 415,963. SOUTHWESTERN DRUG CORPORATION, doing business as Red Arrow Laboratories, Waco, Tex. Filed Feb. 11, 1939.

RACO

For Shaving Cream.
Claims use since Nov. 10, 1937.

CLASS 5

Adhesives

Ser. No. 407,339. VAN CLEEF BROS., Chicago, Ill. Filed June 10, 1938.

PLATE-TAK

For Double Faced Permanently Tacky Adhesive Type Tape for Use in Mounting Printing Cuts on Wood or Metal Bases.
Claims use since Nov. 29, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 404,034. DERMETICS, INC., Seattle, Wash. Filed Mar. 14, 1938.

COLLOID-CREME
KOLLODOL
COLLOIDIZED OILS

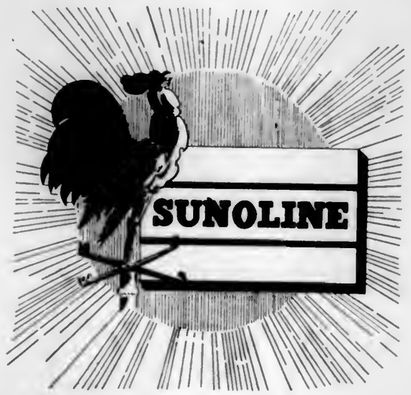
All words except "Kollodol" are disclaimed apart from the mark.
For Colloid-Like Skin Cleaning, Skin Nerve Stimulating, Blood Circulation Stimulating, Pore Elimination Stimulating, Hand and Body Skin Conditioning Pharmaceutical Preparation in Cream Form.
Claims use since Feb. 15, 1938.

Ser. No. 412,076. JAMES JOHNSON EARSHEN, Buffalo, N. Y. Filed Oct. 28, 1938.



For Bleaching Preparation Having Incidental Cleaning Properties.
Claims use since Aug. 1, 1938.

Ser. No. 412,077. JAMES JOHNSON EARSHEN, Buffalo, N. Y. Filed Oct. 28, 1938.



For Anti-Freezing Preparation.
Claims use since Aug. 1, 1938.

Ser. No. 412,987. VITAPIL S. A., Diekirch, Luxemburg. Filed Nov. 19, 1938.

SÉNÉGOL

For Products for Stimulating the Growth of Hair and for Softening the Skin, Extracts, Lotions, Powders, and Creams Used as Perfumes, Synthetic Perfumes, and Essential Oils.
Claims use since June 3, 1938.

Ser. No. 414,857. GEORGE S. BROWN, JR., doing business as Coastal Chemical Co., Savannah, Ga. Filed Jan. 16, 1939.

CLO-WHITE

The word "White" is not claimed apart from the rest of the mark.
For Chemical Laundry Bleach for Cotton and Linen Fabrics Having Antiseptic and Deodorizing Properties, and Also Useful for Household Disinfecting Purposes.
Claims use since Dec. 24, 1938.

Ser. No. 414,937. ALBERTO MIRANDA, Orange, N. J. Filed Jan. 10, 1939.

St. Rita's Balsamo

CONTAINS 2 OZ 25% ALCOHOL

MANUFACTURED BY ALBERTO MIRANDA & Co. ORANGE NEW JERSEY

No claim is made to the words "Balsamo Contains 2 oz. 25% Alcohol", "Manufactured By", and "Orange, New Jersey".
For Medicinal Salve for Lumbago, Acute Pleurisy, Sciatica, Mosquito Bites, Bronchial Coughs, and Every Other Personal Pain.
Claims use since October, 1937.

Ser. No. 414,938. ALBERTO MIRANDA, Orange, N. J. Filed Jan. 10, 1939.

St. Anthony's Miracle Salve

CONTAINS 2 OZ

MANUFACTURED BY ALBERTO MIRANDA & Co. ORANGE NEW JERSEY

No claim is made to the words "Salve, Contains 2 oz.", "Manufactured By", and "Orange, New Jersey".
For Medicinal Salve for Eczema, Sunburn, Burns, and Scaldings, and Excoriations.
Claims use since October, 1937.

Ser. No. 416,162. ROBERT H. SMITH, doing business as The Bazon Company, Spartanburg, S. C. Filed Feb. 17, 1939.

BAZON

For Ointment Used for the Treatment of Skin Irritations, Cuts, Burns, Sunburns, Chapped Hands and Face, and Perspiring, Itching, Tired, or Burning Feet.
Claims use since July 26, 1938.

Ser. No. 416,267. RUMBY, Philadelphia, Pa. Filed Feb. 20, 1939.



The representation of the container forms a part of the mark only in the association shown.
For After Shaving Lotion, Hair and Scalp Preparation.
Claims use since Dec. 2, 1938.

Ser. No. 416,286. DREW BROTHERS MEDICINE CO., Americus, Ga. Filed Feb. 21, 1939.

PEP'S-U-TOO

For Laxative and a Tonic Alterative.
Claims use since Jan. 1, 1938.

Ser. No. 416,502. GUERIN J. BLISS, doing business as The Stylart Company, San Francisco, Calif. Filed Feb. 28, 1939.

Stylart OIL

The word "Oil" is disclaimed apart from the mark.
For Liquid Preparation Used in Conjunction with Permanent Waving Equipment.
Claims use since Jan. 24, 1937.

Ser. No. 416,518. ROCHE-ORGANON, INC., Nutley, N. J. Filed Feb. 28, 1939.

PROGESTORAL

For Medicinal Preparation Recommended for the Treatment of Corpus Luteum Deficiency and Associated Disorders.
Claims use since Feb. 1, 1939.

Ser. No. 416,568. LOESER LABORATORY, INCORPORATED, New York, N. Y. Filed Mar. 1, 1939.

PROLICULIN

For Estrogenic Hormone in Oil.
Claims use since Oct. 24, 1935.

Ser. No. 416,580. PARFUMERIE ROGER ET GALLET, SOCIÉTÉ ANONYME, Paris, France. Filed Mar. 1, 1939.

NUIT D'EXTASE

For Perfumes, Toilet Waters, Face and Toilet Powders, Powder and Rouge Compacts, Rouges, Lipsticks, Bath Salts, Lotions, Creams and Cosmetics for Beautifying and Preserving the Skin and Hair, and Sachets.
Claims use since August, 1938.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 412,603. HERCULES POWDER COMPANY, Wilmington, Del. Filed Nov. 10, 1938.

PRIMASPOOL

For Blasting Caps.
Claims use since Nov. 1, 1938.

CLASS 11

Inks and Inking Materials

Ser. No. 415,270. MILTON T. SUPAN, doing business as Supan's Ink Co., Red Bluff, Calif. Filed Jan. 26, 1939.



For Writing Ink.
Claims use since Jan. 12, 1939.

CLASS 12

Construction Materials

Ser. No. 415,193. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., Filed Jan. 24, 1939.



PLASTICSEAL

No claim is made to the word "Plasticseal" apart from the mark.
For Caulking Compound Used as a Caulking, Sealing, or Flashing Material.
Claims use since 1916.

Ser. No. 415,194. SOUTHPORT PAINT COMPANY, INC., Savannah, Ga., Filed Jan. 24, 1939.



REDYCOTE

No claim is made to the word "Redycote" apart from the mark.
For Roof-Coating Material Made of Pure Vegetable Gum Base, Combined with Non-Drying Oils and Asbestos Fibres.
Claims use since 1916.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 399,200. PARKS-CRAMER COMPANY, Fitchburg, Mass. Filed Nov. 1, 1937.

PARKS TURBOMATIC

The word "Parks" is disclaimed apart from the mark.
For Automatic Self-Cleaning Atomizing Nozzles.
Claims use since July 1, 1937.

Ser. No. 405,785. SUPERIOR FASTENER CORPORATION, Chicago, Ill. Filed Apr. 27, 1938.

SUPER FAST

The word "Fast" is disclaimed and apart from the mark.
For Metal and Wood-Holding Cleats.
Claims use since Mar. 9, 1938.

Ser. No. 408,413. THE B. & T. FLOOR COMPANY, Columbus, Ohio. Filed July 12, 1938.

CELLOWARE

For Wall Soap Holders, Tumbler Holders, Grab Rails, Toilet-Paper Holders, Sponge Holders, Toothbrush Holders, Dentifrice Holders, Towel Bars, Shelf Brackets, Robe Hooks, Strop Hooks, and Wall and Floor Door Stops.
Claims use since May 17, 1938.

Ser. No. 415,025. AIRCRAFT SCREW PRODUCTS COMPANY, INC., Brooklyn, N. Y. Filed Jan. 20, 1939.

AERO-THREAD

The word "Thread" is disclaimed apart from the mark.
For Bolts, Studs, Nuts, Screws, and Screw Connection.
Claims use since Mar. 4, 1938.

Ser. No. 415,100. AMERICAN SHOE SHANK COMPANY, INC., Ayon, Mass. Filed Jan. 23, 1939.



For Steel Shoe Shanks.
Claims use since Aug. 17, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 411,488. PAUL BRISKE, doing business as Briske & Prohl, Berlin, Germany. Filed Oct. 11, 1938.

Argalium

For Aluminum Alloys Containing Magnesuim, and Castings, and Forgings, Rolled Sheets, and Extruded or Pressed Rods and Bars, Made of Aluminum Alloys Containing Magnesium.
Claims use since 1935.

CLASS 15

Oils and Greases

Ser. No. 402,898. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed Feb. 10, 1938.

GRAPHLUBE

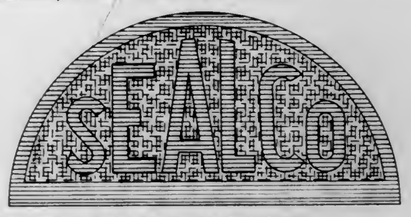
For Lubricating Grease.
Claims use since Apr. 1, 1932.

Ser. No. 402,902. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed Feb. 10, 1938.

VIKOSPRA

For Lubricating Oil.
Claims use since Feb. 1, 1935.

Ser. No. 414,925. SEALCO BY-PRODUCTS COMPANY, INC., Bluefield, W. Va. Filed Jan. 17, 1939.



For Gasket Paste Used as a Lubricant.
Claims use since Dec. 19, 1938.

CLASS 16

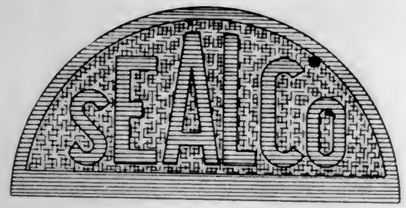
Paints and Painters' Materials

Ser. No. 409,421. DIXIE PINE PRODUCTS COMPANY, Hattiesburg, Miss. Filed Aug. 10, 1938.

DIXIE
BRAND

No claim is made to the word "Brand" apart from the mark.
For Steam Distilled Wood Turpentine.
Claims use since April, 1928.

Ser. No. 414,924. SEALCO BY-PRODUCTS COMPANY, INC., Bluefield, W. Va. Filed Jan. 17, 1939.



For Pulverized Black (Paint Pigment), Acid Resisting Paint, and Paint Thinner.
Claims use since Dec. 19, 1938.

Ser. No. 415,539. BENNETT INCORPORATED, Cambridge, Mass. Filed Feb. 3, 1939.



For Liquid Wax-Containing Composition Adapted for Polishing and Cleaning Floors, Various Finished Surfaces, Particularly Automobile Bodies and the Like.
Claims use since May 5, 1936.

CLASS 17

Tobacco Products

Ser. No. 415,871. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Feb. 10, 1939.

PANDA

For Cigarettes.
Claims use since Jan. 17, 1939.

CLASS 20

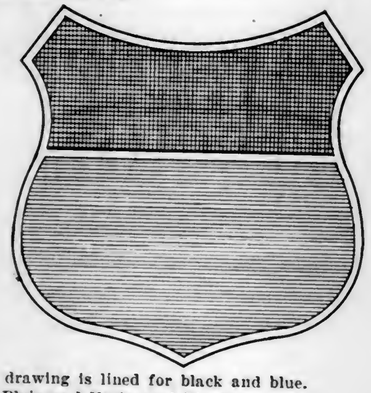
Linoleum and Oiled Cloth

Ser. No. 415,837. DELAWARE FLOOR PRODUCTS, INC., Wilmington, Del. Filed Feb. 9, 1939.

KOLORFLOR

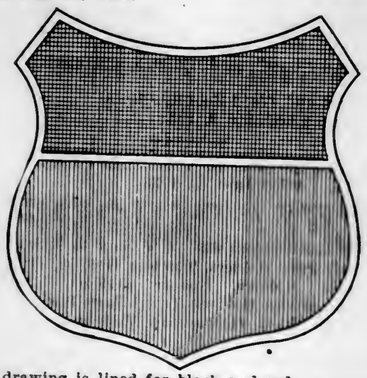
For Composition Floor Coverings—Namely, Rugs and Yard Goods by the Roll.
Claims use since Mar. 19, 1936.

Ser. No. 415,876. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Feb. 10, 1939.



The drawing is lined for black and blue.
For Plain and Variegated Linoleum.
Claims use since Sept. 17, 1931.

Ser. No. 415,878. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Feb. 10, 1939.



The drawing is lined for black and red.
For Plain and Inlaid Linoleum, Linoleum Tile, and Cork Carpet.
Claims use since May 1, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 408,257. SOCIETE ALSACIENNE DE CONSTRUCTIONS MECANIQUES, Mulhouse and Clichy, France. Filed July 6, 1938.

PYROTENAX

For Sheathed Electrical Conductors and Supplies and Fittings for Such Conductors.
Claims use since Mar. 18, 1935.

Ser. No. 415,028. APPLETON ELECTRIC COMPANY, Chicago, Ill. Filed Jan. 20, 1939.

LOXBOX

For Connectors for Securing Cables or Conduits to Outlet Boxes or Connection Boxes.
Claims use since Jan. 4, 1939.

Ser. No. 415,644. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 6, 1939.

BRIGADIER

For Storage Batteries.
Claims use since Jan. 24, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 412,311. SOCIETÀ ITALIANA PIRELLI, Milan, Italy. Filed Nov. 2, 1938.



For Tennis Balls, Toy Balls for Children, Toy Balloons.
Claims use since Oct. 29, 1920.

Ser. No. 414,226. CHESTER A. JONES, Ottumwa, Iowa. Filed Dec. 27, 1938.

CHET'S

For Punch Boards.
Claims use since Mar. 22, 1933.

Ser. No. 415,557. NATIONAL STUFFED ANIMALS CO. INC., New York, N. Y. Filed Feb. 3, 1939.



No claim is made to the words "National Animals" and "Electrified", the figure of the dog's head, and the map contour apart from the complete mark.
For Toy Stuffed Animals, Such as Teddy Bears, Bunnies, Dogs, Cats, Pandas, Mice, Lions, Elephants, Etc.
Claims use since Mar. 16, 1938.

Ser. No. 416,153. RALPH MICHAELS, Chicago, Ill. Filed Feb. 17, 1939.

PTPA

For Shuttlecocks.
Claims use since Jan. 3, 1939.

Ser. No. 416,243. WILLIAM V. BARLOW, doing business as The Jitterbug Co., Jacksonville, Fla. Filed Feb. 20, 1939.

JITTERBUG

For Game Apparatus of the Spinner Type Operated Manually and/or Electrically.
Claims use since Oct. 15, 1938.

Ser. No. 416,310. BURNSTINE-VINCENT, INC., New York, N. Y. Filed Feb. 23, 1939.

FOUR ACES'
KARD-JONG GAME

The word "Game" is disclaimed apart from the mark.
For Game Played With Cards.
Claims use since Jan. 7, 1939.

Ser. No. 416,640. WILLIAM B. BOLGER, Cleveland, Ohio. Filed Mar. 3, 1939.

CLICHÉ

For Question and Answer Game.
Claims use since Mar. 1, 1939.

Ser. No. 416,657. RUSSELET NOVELTY CO., New York, N. Y. Filed Mar. 3, 1939.

TRYLOON

For Combination Horn and Balloon.
Claims use since February, 1939.

Ser. No. 416,714. CLAUDE R. ABBE, Rome, N. Y. Filed Mar. 6, 1939.

SPECIAL
ROUND UP

For Board Marble Games.
Claims use since Feb. 14, 1939.

Ser. No. 416,769. METALECTRIC CORPORATION, Waterloo, Iowa. Filed Mar. 7, 1939.

FRONTIER

For Game Comprising a Board and Certain Movable Pieces.
Claims use since Dec. 28, 1938.

Ser. No. 416,794. CROWN DRUG COMPANY, Kansas City, Mo. Filed Mar. 8, 1939.

BOBBY 72

For Golf Balls.
Claims use since Mar. 15, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 408,188. ELECTROFILE, INC., Troy, N. Y. Filed July 5, 1938.

ELECTROFILE

For Machines for Selecting Cards from a File Thereof and Specially Adapted Card Trays and Cards for Operation Therewith, All Originally Sold as a Unit, and Cards and Trays of the Foregoing Character for Replacement and Extension Purposes.
Claims use since May 4, 1938.

Ser. No. 413,740. T. G. SCHMEISER CO., Fresno, Calif. Filed Dec. 12, 1938.

TRAC-RIMS

The word "Rims" is disclaimed apart from the mark.
For Traction Lug Units for Rubber Tired Tractor Wheels.
Claims use since Jan. 28, 1938.

Ser. No. 414,644. SANITARY AUTOMATIC CANDY CORPORATION, New York, N. Y. Filed Jan. 9, 1939.

AUTO-B-MATIC
BUY

For Vending Machines.
Claims use since Sept. 2, 1938.

Ser. No. 415,037. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Jan. 20, 1939.

THE SIXTEEN CYLINDER

For Safety Razor Blades.
Claims use since Jan. 12, 1939.

Ser. No. 415,038. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Jan. 20, 1939.

THE SIX CYLINDER

For Safety Razor Blades.
Claims use since Jan. 12, 1939.

Ser. No. 415,039. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Jan. 20, 1939.

THE EIGHT CYLINDER

For Safety Razor Blades.
Claims use since Jan. 12, 1939.

Ser. No. 415,716. HELLER BROTHERS COMPANY, Newark, N. J. Filed Feb. 7, 1939.

VIXEN

For Files.
Claims use since Mar. 14, 1908.

CLASS 24

Laundry Appliances and Machines

Ser. No. 415,974. BARLOW & SEELIG MFG. CO., Ripon, Wis. Filed Feb. 13, 1939.

IRONETTE

For Ironing Machines.
Claims use since July, 1929.

Ser. No. 415,992. MCCLEARY BROS., INC., Memphis, Tenn. Filed Feb. 13, 1939.



For Pressing Machines Used in Laundries, Cleaning Establishments, and the Like.
Claims use since Mar. 20, 1938.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 412,576. NURNBERG THERMOMETER CO., INC., New York, N. Y. Filed Nov. 5, 1938.

Nurnberg
GENUINE
PETROLEOMETER

Applicant disclaims the words "Nurnberg" and "Genuine" apart from the mark.
For Thermometers and Hydrometers as Used by Oil Testing Laboratories, Chemical Laboratories, and the Like.
Claims use since Mar. 1, 1938.

Ser. No. 415,708. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Feb. 7, 1939.

Isolette

For Photographic Cameras.
Claims use since May 30, 1938.

Ser. No. 415,874. CENTURY OXFORD MANUFACTURING CORP., Brooklyn, N. Y. Filed Feb. 10, 1939.

PERYLON

For Eye Glasses, Eye Glass and Spectacle Frames.
Claims use since Jan. 2, 1939.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 410,815. FRED ALTSCHULER-PICARD, Lausanne, Switzerland. Filed Sept. 21, 1938.

SWISSLI

For Precious Stones, Buttons Made of Precious Metal, Necklaces, Brooches, Finger Rings, Ear Rings, Bracelets; and Anklets, Hair Ornaments, Pins and Clips, All Made in Whole or in Part of Precious Metal or Plated With the Same, and Costume Jewelry, not Including Watches.
Claims use since December, 1937.

Ser. No. 415,519. OSTBY AND BARTON COMPANY, Providence, R. I. Filed Feb. 2, 1939.



For Jewelry for Personal Wear or Adornment, not Including Watches.
Claims use since 1914.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 415,784. R. H. MACY & CO., INC., New York, N. Y. Filed Feb. 8, 1939.

BRONZTEX

For Toothbrushes.
Claims use since Jan. 13, 1939.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 415,447. EVANGELINE DAY, New York, N. Y. Filed Jan. 31, 1939.

WORLD WISHING BOWL

The word "Bowl" is disclaimed apart from the mark.
For Teacups and Bowls Made of China, Porcelain, and Other Earthenware.
Claims use since Jan. 20, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 389,076. LI-ON BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 18, 1937.



No claim is made to the words "Self-Ventilated", or to the Representation of a Mattress Apart from the Remaining Features.
For Mattresses.
Claims use since Jan. 4, 1937.

Ser. No. 416,606. GREEN TABLE PAD CORP., New York, N. Y. Filed Mar. 2, 1939.

ARTEX

For Venetian Blinds and Table Pads.
Claims use since 1934.

Ser. No. 416,773. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 7, 1939.

PENNASEPTIC

For Pillows.
Claims use since Feb. 18, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 415,253. LUMINOUS PROCESSES, INC., New York, N. Y. Filed Jan. 26, 1939.

COMET

For Self-Luminous Devices—Namely, Pendants, Escutcheon Plates, and Self-Luminous Markers.
Claims use since Jan. 14, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 415,777. HEWITT RUBBER CORPORATION, Buffalo, N. Y. Filed Feb. 8, 1939.

DURA-BOND

For Hose Made Entirely or in Part of Rubber, Rubber Lined Metallic Pipe, and Rubber Covered Metallic Pipe.
Claims use since Dec. 15, 1938.

Ser. No. 416,140. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 17, 1939.

WINGFOOT

For Belts, Belting, and Hose Composed Principally or Wholly of Rubber.
Claims use since 1921.

CLASS 36

Musical Instruments and Supplies

Ser. No. 415,093. WEBSTER ELECTRIC COMPANY, Racine, Wis. Filed Jan. 21, 1939.

CINAUDIO

For Electric Sound Reproduction Equipment, Comprising Suitable Housing for Phonograph Turntable and Driving Means, Pick-Up, Amplifier, and Speaker, for Use With a Slide Film Projector for the Dissemination of Information by Sound and Vision.
Claims use since Jan. 28, 1935.

CLASS 37

Paper and Stationery

Ser. No. 413,511. COHOES ENVELOPE CO., INC., Cohoes, N. Y. Filed Dec. 6, 1938.

Filmvelope

For Envelopea.
Claims use since Oct. 1, 1937.

Ser. No. 415,715. THE HAMERSLEY MANUFACTURING COMPANY, Garfield, N. J. Filed Feb. 7, 1939.

ULTRAPLEX

For Wrapping Paper for Foods.
Claims use since January, 1934.

Ser. No. 415,764. CENTRAL PAPER COMPANY, Menasha, Wis. Filed Feb. 8, 1939.

Vegeter

For Gummed Paper Tape.
Claims use since Jan. 30, 1939.

Ser. No. 415,841. FOX RIVER PAPER CORPORATION, Appleton, Wis. Filed Feb. 9, 1939.

Masterline

For Bond Papers, Ledger Papers, Onion Skin Papers, Flat Writing Papers, Mimeograph Papers, and Blue Print Papers.
Claims use since Jan. 11, 1939.

Ser. No. 415,853. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Feb. 9, 1939.

NCR

For Paper—Namely, Writing Paper, Printing Paper, Paper Rolls, Paper Strips, Receipt Paper, and Stationery—Namely, Form Books, Sales Books, Receipt Books, Statement Books, and Cash Register Account Books.
Claims use since Dec. 2, 1938.

CLASS 38

Prints and Publications

Ser. No. 405,338. THE BABCOCK PUBLICATIONS, INC., Akron, Ohio. Filed Apr. 16, 1938.

The SUPER SERVICE DATA BOOK

For Annual Publication Detailing Particular Information Regarding Parts and Equipment for Automotive Vehicles.
Claims use since Mar. 1, 1930.

Ser. No. 408,985. ERNEST W. BARTLETT, doing business as Rapid Blue Print Company, Houston, Tex. Filed July 28, 1938.

LOG-O-STAT

The word "Log" is disclaimed apart from the mark shown.
For Photostatic and for Photographic Copies, or for Copies Made Otherwise Than by Photographic or Photostatic Processes, of Log Charts Made in Connection with Boring, Completing, or Operating Oil Wells or Water Wells.
Claims use since July 15, 1938.

Ser. No. 414,865. DELL PUBLISHING COMPANY, New York, N. Y. Filed Jan. 16, 1939.

TOBY

"Toby" is the name of a fictitious character appearing from time to time in applicant's comic strips.
For Cartoon or Comic Strips Published Periodically.
Claims use since Mar. 8, 1938.

Ser. No. 414,866. DELL PUBLISHING COMPANY, New York, N. Y. Filed Jan. 16, 1939.

SHARK EGAN

"Shark Egan" is the name of a fictitious character appearing from time to time in applicant's comic strips, For Cartoon or Comic Strips Published Periodically.
Claims use since Apr. 8, 1938.

Ser. No. 414,922. RAP-I-DOL DISTRIBUTING CORPORATION, New York, N. Y. Filed Jan. 17, 1939.

Color Culture

For Periodical Publication.
Claims use since Jan. 1, 1939.

Ser. No. 416,007. YOUR HEALTH PUBLICATIONS, INC., New York, N. Y. Filed Feb. 13, 1939.

Your Health

For Magazine Published from Time to Time.
Claims use since Feb. 6, 1939.

CLASS 39

Clothing

Ser. No. 388,363. OBERMAN & COMPANY, Jefferson City, Mo. Filed Jan. 30, 1937.

WEST BILT

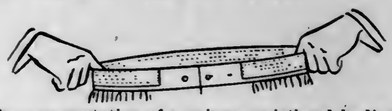
For Outer Shirts, Pants, and Jackets.
Claims use since December, 1919.

Ser. No. 409,142. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed Aug. 1, 1938.

LUCKY PENNY

For Dresses, Slacks, and Suits for Women, Misses, and Girls, and Suits and Blouses for Boys.
Claims use since Sept. 15, 1936.

Ser. No. 411,541. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Oct. 12, 1938.



The representation of a pajama waistband is disclaimed apart from the mark.
For Pajamas.
Claims use since May, 1938.

Ser. No. 411,807. HERMAN L. BERCK, Los Angeles, Calif. Filed Oct. 20, 1938.



The word "Hollywood" is disclaimed except as shown.
For Men's Dress Shirts, Men's Undershirts, Men's Shorts, Men's Underwear, Stockings, Men's Sport Shirts, Men's Outer Sport Coats, Men's Sport and Slack Pants, Men's Hats, Handkerchiefs, Women's Dresses, Men's Coats, Men's Suits, Pajamas, Garters, Belts in the Nature of Garment Supporters, Suspenders, Neckties, and Mufflers.
Claims use since Sept. 1, 1938.

Ser. No. 412,222. EVERITT HAT COMPANY, Milwaukee, Wis. Filed Oct. 31, 1938.

Shadow Suede

No claim is made to the word "Suede" apart from the mark.
For Women's, Misses', and Girls' Hats of Felt, Wool, Hair, or Fur.
Claims use since Oct. 18, 1938.

Ser. No. 412,354. POLIKOFF LIMITED, London, England. Filed Nov. 3, 1938.

Aps

For Coats, Trousers, Vests, and Overcoats for Men's, Youths', and Boys' Wear and Ladies' Trousers, Coats, and Skirts.
Claims use since Sept. 1, 1937.

Ser. No. 413,714. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Dec. 12, 1938.

AIRMORE

For Men's Suits, Consisting of Coats, Vests, and Trousers.
Claims use since Sept. 27, 1938.

Ser. No. 413,821. THE CROWN OVERALL MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Dec. 14, 1938.

CAMARGO

For Clothing, Particularly Men's and Boys' Pants, Outer Shirts, and Breeches; Women's and Misses' Blouses, Skirts, and Dresses; Snow-Suits for Boys and Girls; Women's, Misses' and Boys' Play-Suits and Sun-Suits; and Clothing for Men, Women, Misses, and Boys—Namely, Jackets, Slacks, Shorts, Sweaters, Mackinaws, Riding Pants, Pajamas, Jodhpurs, Coats, Outer-Coats and Overcoats, Robes, Bathing Suits, Beach-Coats, Halters, and Ski-Suits.
Claims use since Nov. 15, 1938.

Ser. No. 413,907. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Dec. 16, 1938.

INTER LINEN

No claim is made to the word "Linen" apart from the mark.
For Hosiery Made in Part with Linen Reinforcing Thread.
Claims use since Dec. 6, 1938.

Ser. No. 413,908. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Dec. 16, 1938.

LIN-WOV-IN

For Hosiery.
Claims use since Dec. 6, 1938.

Ser. No. 414,179. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 24, 1938.

WINTON CLUB
WC

No claim is made to the word "Winton" except as shown.
For Clothing for Men, Boys, and Children—Namely, Suits, Coats, Overcoats, Outer Shirts, Blouses, Underwear, Hats; Shoes Made of Leather, Fabric, or Combinations Thereof; Neckties, Robes, Pajamas, Mufflers, Hosiery; Gloves Made of Leather, Fabric, or Combinations Thereof; Sweaters, Mackinaws, and Jackets.
Claims use since Oct. 7, 1938.

Ser. No. 414,180. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 24, 1938.

Winton Hall

No claim is made to the word "Winton" except as shown.
For Clothing for Men, Boys, and Children—Namely, Suits, Coats, Overcoats, Outer Shirts, Blouses, Underwear, Hats; Shoes Made of Leather, Fabric, or Combinations Thereof; Neckties, Robes, Pajamas, Mufflers, Hosiery; Gloves Made of Leather, Fabric, or Combinations Thereof; Sweaters, Mackinaws, and Jackets.
Claims use since Jan. 9, 1937.

Ser. No. 414,335. BROOKLYN HANDKERCHIEF CO., Brooklyn, N. Y. Filed Dec. 30, 1938.

Gothamweve

For Handkerchiefs.
Claims use since Jan. 1, 1937.

Ser. No. 414,357. JOHN E. LUCEY SHOE CO., Middleboro, Mass. Filed Dec. 30, 1938.

IN-SOLE-ATOR

The word "In-Sole" is disclaimed apart from the mark.
For Men's Shoes Made of Leather, Fabric, Rubber, or Any Combination of One or More of Said Materials.
Claims use since February, 1938.

Ser. No. 414,682. BILT-RITE FOUNDATION CO., New York, N. Y. Filed Jan. 11, 1939.

BILT-RITE
DRESS RIGHT WITH BILT-RITE GIRDLES

No claim is made to the words "Dress Right With" and "Girdles" apart from the mark.
For Girdles and Brassières.
Claims use since March 8, 1938.

Ser. No. 414,696. HARRY ISAACS INC., New York, N. Y. Filed Jan. 11, 1939.

LOOMED by
Colony Weavers

No claim is made to the words "Loomed By" and "Weavers" apart from the mark.
For Men's Neckties and Mufflers.
Claims use since November, 1937.

Ser. No. 414,908. ADAM HAT STORES, INC., New York, N. Y. Filed Jan. 17, 1939.

"Pliant Eze"

The word "Pliant" is disclaimed except as shown.
For Men's Hats.
Claims use since Nov. 4, 1938.

Ser. No. 414,959. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Jan. 18, 1939. Under 10-year proviso.

McCURRACH

For Men's Neckties and Mufflers.
Claims use since 1877.

Ser. No. 414,991. FEIGENBAUM & ADELSON, INC., New York, N. Y. Filed Jan. 19, 1939.

The Pulse of Fashion

The word "Fashion" is disclaimed apart from the mark.
For Women's Dresses.
Claims use since Dec. 15, 1938.

Ser. No. 415,228. CHESTER H. ROTH & CO., New York, N. Y. Filed Jan. 25, 1939.

FIANCEE

For Ladies' Hosiery.
Claims use since Nov. 1, 1938.

Ser. No. 415,243. BRENTON F. BEVERLY, New York, N. Y. Filed Jan. 26, 1939.

BEVERLY

For Leather, Fabric, and Leather and Fabric Gloves.
Claims use since Dec. 1, 1938.

Ser. No. 415,335. GARFINKEL & RITTER, New York, N. Y. Filed Jan. 28, 1939.

PRIM MITE

For Chemises, Panties, Night-Gowns, Pajamas, Slips, Brassières, Negligees, and Corsets for Women.
Claims use since Dec. 15, 1938.

Ser. No. 415,336. GARFINKEL & RITTER, New York, N. Y. Filed Jan. 28, 1939.

PRIM RITE

For Chemises, Panties, Night-Gowns, Pajamas, Slips, Brassières, Negligees, and Corsets for Women.
Claims use since Dec. 15, 1938.

Ser. No. 415,375. BROWN DURRELL CO., Boston, Mass., and New York, N. Y. Filed Jan. 30, 1939.

"THE STOCKING OF TOMORROW"

Applicant disclaims the word "Stocking" except as shown.
For Hosiery.
Claims use since Jan. 27, 1939.

Ser. No. 415,407. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Jan. 30, 1939.

APRICOTTA

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Jan. 19, 1939.

Ser. No. 415,409. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Jan. 30, 1939.

TERRA ROSA

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Jan. 19, 1939.

Ser. No. 415,653. KENOSHA FULL FASHIONED MILLS, INC., Kenosha, Wis. Filed Feb. 6, 1939.

kencrest

For Hosiery.
Claims use since Dec. 10, 1938.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 413,684. ROWLAND ACCOUTERMENTS, INC., Wilmington, Del. Filed Dec. 10, 1938.

Treasury

For Woven or Braided Narrow Fabrics of Gold or Silver or Their Alloys for Use in the Ornamentation of Articles of Dress and Also Special Items Made of the Same Materials, Such as Shoulder Cords, Shoulder Knots, Sword Knots, Belting, and Embroidery Medallions and Insignia.
Claims use since Dec. 3, 1938.

Ser. No. 415,352. ROCHESTER BUTTON COMPANY, Rochester, N. Y. Filed Jan. 28, 1939.

Robulith

For Buttons, Other than Precious Metal, for Personal Wear.
Claims use since Jan. 17, 1939.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 414,473. SUN DODGER COMPANY, Los Angeles, Calif. Filed Jan. 3, 1939.

SUN-DODGER

For Parasols, Beach Umbrellas, and Beach Sun Shades.
Claims use since Sept. 21, 1938.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 403,322. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Feb. 23, 1938.

TRIPLE TESTED

Exclusive title to "Triple Tested" is disclaimed apart from the mark.
For Piece Goods Composed Wholly or in Part of Yarn of Artificial Origin.
Claims use since Nov. 26, 1937.

Ser. No. 415,296. LOWE, DONALD & CO. INC., New York, N. Y. Filed Jan. 27, 1939.

CHAMONELLE SHETLAND

No claim is made to the word "Shetland" apart from the mark.
For Woolen Fabrics in the Piece.
Claims use since Sept. 15, 1938.

Ser. No. 416,112. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Feb. 16, 1939.

Rivercool

For Piece Goods Made of All Spun Rayon and the Combination of Spun Rayon and Cotton.
Claims use since Apr. 1, 1938.

Ser. No. 416,117. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Feb. 16, 1939.

Floruswah

For Silk Piece Goods and Crepe Piece Goods of Silk and/or Artificial Silk.
Claims use since Sept. 11, 1914.

Ser. No. 416,227. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Window-Shade Fabrics.
Claims use since March, 1925.

Ser. No. 416,247. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Feb. 20, 1939.

Sinostan

For Carpets and Rugs.
Claims use since Sept. 12, 1938.

Ser. No. 416,249. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Feb. 20, 1939.

Vellmo

For Window Shade Cloth in the Piece.
Claims use since Jan. 1, 1929.

CLASS 43

Thread and Yarn

Ser. No. 402,583. NORTH AMERICAN RAYON CORPORATION, New York, N. Y. Filed Feb. 1, 1938.

CAVALIER

For Yarn of Artificial Origin.
Claims use since Jan. 11, 1938.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 410,455. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 12, 1938.

Crystalite
THE WORLD'S MODERN DENTURE MATERIAL

The words "The World's Modern Denture Material" are disclaimed apart from the mark.
For Pre-Formed Blank, Flat Blank, and Crystal Form of Dental Cellulose Material, Used by the Dental Profession, in the Molding and Constructing of Artificial Appliances for the Human Mouth.
Claims use since Jan. 15, 1938.

Ser. No. 412,310. SOCIETÀ ITALIANA PIRELLI, Milan, Italy. Filed Nov. 2, 1938.

P C M

For Atomisers, Bidet Cushions, Nursing Nipples for Cattle, Hot Water Bottles, Ice Bags, Pessaries, Surgeons' Rubber Gloves, Syringes, X-Ray Proof Gloves, X-Ray Proof Rubber Sheets and Aprons, and Gas Masks.
Claims use since Oct. 29, 1920.

Ser. No. 413,630. GIBBS & COMPANY, Chicago, Ill. Filed Dec. 9, 1938.

REPOSA

For Permanent Waving Pads.
Claims use since Nov. 28, 1938.

Ser. No. 416,234. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Toilet Articles Comprising Knives and Scissors for Use as Manicure Implements, Nail Polishers, Cuticle Pushers, and Nail Files.
Claims use since May, 1925.

Ser. No. 416,548. J. A. DEKNATEL & SON, Queens Village, Long Island, N. Y. Filed Mar. 1, 1939.

REPARASUTES

For Needles With Multiple Sutures, Surgical Needles, and Sutures for Surgical Use.
Claims use since May 2, 1938.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 402,451. SAM TERRY, doing business as Valley of the Moon Fruit Juice Co., Oakland, Calif. Filed Jan. 28, 1938.

LindaVista

For Natural Fruit Juice Base for Beverages.
Claims use since November, 1937.

Ser. No. 416,630. GRANDPA BRANDS COMPANY, Cincinnati, Ohio. Filed Mar. 1, 1939.

SUN BOTTLE

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and for the Concentrates Thereof.
Claims use since Jan. 19, 1939.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 402,595. FROZEN NOVELTIES, INC., Long Island City, N. Y. Filed Feb. 2, 1938.

ICY-FROST

The word "Icy" is disclaimed apart from the mark.
For Frozen Confections.
Claims use since Oct. 15, 1937.

Ser. No. 404,168. DURKEE-MOWER, INC., Lynn, Mass. Filed Mar. 17, 1938.

MARSHMALLOW fluff

The word "Marshmallow" is disclaimed apart from the mark.
For Marshmallow.
Claims use since Jan. 2, 1917.

Ser. No. 410,633. J. BIBBY & SONS LIMITED, Liverpool, England. Filed Sept. 16, 1938.

TREX

Applicant is the owner of registration No. 332,939, dated Mar. 3, 1936.
For Vegetable Fats for Cooking and Frying.
Claims use since 1931.

Ser. No. 413,988. GIESSING MILLING COMPANY, Farmington, Mo. Filed Dec. 19, 1938.



Applicant is the owner of the mark shown in registration No. 324,992, dated June 4, 1935. The term "1st Prize" is disclaimed apart from the mark.
For Biscuit Flour and Gravy Flour.
Claims use since August, 1934.

Ser. No. 414,144. FERGUSON MARKETING SERVICE, INC., Baltimore, Md. Filed Dec. 23, 1938.



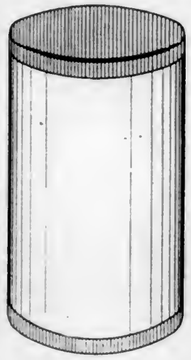
For Fresh Citrus Fruits and Vegetables.
Claims use since Dec. 7, 1938.

Ser. No. 414,889. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Filed Jan. 16, 1939.

Unkle Ned

For Syrup Composed of Corn Syrup, Sugar Cane Products, and Country Sorghum.
Claims use since Feb. 18, 1911.

Ser. No. 415,497. THE CAREY SALT CO., Hutchinson, Kans. Filed Feb. 2, 1939.



Trade-Mark consists of red ends on the cartons or packages. No claim is made for the representation of the container per se.
For Salt.
Claims use since Jan. 17, 1939.

Ser. No. 415,663. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Feb. 6, 1939.

SPRING-MONT

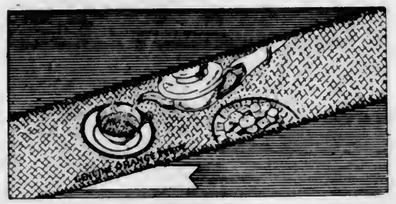
For Wheat Flour.
Claims use since Jan. 14, 1939.

Ser. No. 415,879. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Feb. 10, 1939.



Applicant is the owner of certificate of registration No. 338,006, registered Aug. 25, 1936. No claim is made to the words "Fancy Pekoe and Orange Pekoe Tea" apart from the mark.
For Tea.
Claims use since Nov. 13, 1936.

Ser. No. 415,882. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Feb. 10, 1939.



The drawing is lined for blue and orange. No claim is made to the words "Genuine Orange Pekoe" apart from the mark.
For Tea.
Claims use since Mar. 2, 1935.

Ser. No. 415,969. TEXAS CITRUS FRUIT GROWERS EXCHANGE, Mission, Tex. Filed Feb. 11, 1939.

BRAC

For Fresh Citrus Fruit.
Claims use since Jan. 3, 1939.

Ser. No. 415,981. EDINBURG CITRUS ASSOCIATION, Edinburg, Tex. Filed Feb. 13, 1939.

TROPIC VALLEY

For Fresh Citrus Fruit.
Claims use since Jan. 5, 1939.

Ser. No. 415,991. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Feb. 13, 1939.

TU-SUM

For Ice Cream Cones.
Claims use since Jan. 17, 1939.

CLASS 47

Wines

Ser. No. 410,669. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Sept. 16, 1938.



For Wines.
Claims use since June 1, 1938.

CLASS 48

Malt Beverages and Liquors

Ser. No. 414,240. C. SCHMIDT & SONS, INC., Philadelphia, Pa. Filed Dec. 27, 1938.

Silver Noggin

For Malt Beverages—Namely, Beer and Ale Having the Legal Alcoholic Content.
Claims use since Dec. 16, 1938.

Ser. No. 415,081. HANDY BEER AND WINE COMPANY, Boston, Mass. Filed Jan. 21, 1939.



The words "Cream" and "Ale" are each separately disclaimed apart from the mark.
For Cream Ale.
Claims use since January, 1935.

Ser. No. 415,234. STORZ BREWING COMPANY, Omaha, Nebr. Filed Jan. 25, 1939.

Storz
ALL GRAIN
• BEER •

The words "All Grain Beer" are disclaimed apart from the mark.
For Beer.
Claims use since Nov. 16, 1938.

Ser. No. 415,554. BARON LONG, doing business as The Biltmore Hotel, Los Angeles, Calif. Filed Feb. 3, 1939.

BILTMORE

For Beer.
Claims use since Jan. 25, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 415,057. SCHENLEY DISTILLERS CORPORATION, New York, N. Y. Filed Jan. 20, 1939.

Double Mellow

No claim is made to the word "Mellow" apart from the mark.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 15, 1938.

Ser. No. 415,993. MINARDO BROS. FRUIT CO., INC., La Fayette, Ind. Filed Feb. 13, 1939.

Hi-GAP

For Kentucky Straight Bourbon Whiskey.
Claims use since Nov. 10, 1938.

Ser. No. 416,147. THE JAMES DISTILLERY, INC., Baltimore, Md. Filed Feb. 17, 1939.

STARS
of the BARS

For Whiskey.
Claims use since Jan. 10, 1939.

Ser. No. 416,642. R. L. BUSE COMPANY INCORPORATED, Cincinnati, Ohio. Filed Mar. 3, 1939.

Rosewood

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Dec. 6, 1938.

Ser. No. 416,933. THE K. TAYLOR DISTILLING CO., INC., Frankfort, Ky. Filed Mar. 13, 1939.

KT
KENTUCKY STRAIGHT BOURBON WHISKY
DISTILLED AND BOTTLED BY THE
K. TAYLOR
DISTILLING CO., INCORPORATED
FRANKFORT, KENTUCKY

The representation of the label per se, and the words "Kentucky's", "Kentucky Straight Bourbon Whisky", "Distilled and Bottled by The K. Taylor Distilling Co., Incorporated", and "Frankfort, Kentucky", are disclaimed for registration purposes apart from the complete mark shown on the drawing, with reservation of applicant's common law rights in the premises.
For Whiskey.
Claims use since Mar. 1, 1939.

Ser. No. 416,934. THE K. TAYLOR DISTILLING CO., INC., Frankfort, Ky. Filed Mar. 13, 1939.

K. Taylor
KT
KENTUCKY
KENTUCKY STRAIGHT BOURBON WHISKY
DISTILLED AND BOTTLED BY THE
K. TAYLOR
DISTILLING CO., INCORPORATED
FRANKFORT, KENTUCKY

The representation of the label per se, and the words "Kentucky", "Kentucky Straight Bourbon Whisky", "Distilled and Bottled by The K. Taylor Distilling Co., Incorporated", and "Frankfort, Kentucky", are disclaimed for registration purposes apart from the complete mark shown on the drawing, with reservation of applicant's common law rights in the premises.
For Whiskey.
Claims use since Mar. 1, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 412,675. SHULTON, INC., New York, N. Y. Filed Nov. 12, 1938.

SHIP GRAND TURK

For Combination Set Consisting of a Mug and Soap.
Claims use since July 20, 1938.

Ser. No. 413,085. STERLING PRODUCTS COMPANY, Easton, Pa. Filed Nov. 23, 1938.

EZYTITE

For Metal Closures for Tanks, Drums, Carboys, and Similar Receptacles.
Claims use since Nov. 10, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 11, 1939

366,313. GAS OILS, FUEL OILS, BURNING OILS FOR ILLUMINATING AND HEATING PURPOSES, MOTOR OIL, CRYSTAL-WHITE MOTOR OIL, STEAM-AUTO OIL, FLUID GREASE, ETC. THE PURE OIL COMPANY, Chicago, Ill.

Filed December 26, 1934. Serial No. 359,671. PUBLISHED JUNE 30, 1936. Class 15.

366,314. MATERIALS OF CONSTRUCTION—NAMELY, COMPOSITE LUMBER, LAMINATED PLYWOOD, A COMBINATION OF PLYWOOD AND METAL, PLYWOOD AND RUBBER, PLYWOOD AND PAPER, PLYWOOD AND FIBRE BOARD, PLYWOOD AND ASBESTOS, PLYWOOD AND ROOFING PAPER. THESE MATERIALS BEING BONDED OR CEMENTED WITH A RESINOUS BOND. GENERAL PLASTICS, INC., North Tonawanda, N. Y.

Filed November 22, 1935. Serial No. 371,867. PUBLISHED JANUARY 17, 1939. Class 12.

366,315. RIBBONS. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa., assignor to Reconstruction Finance Corporation, Philadelphia, Pa.

Filed January 2, 1936. Serial No. 373,244. PUBLISHED MARCH 3, 1936. Class 42.

366,316. COFFEE. GENERAL FOODS CORPORATION, New York, N. Y.

Filed October 17, 1936. Serial No. 384,458. PUBLISHED JANUARY 31, 1939. Class 46.

366,317. FRUIT JUICES FOR FOOD PURPOSES. E. L. HEEBNER, New York, N. Y.

Filed November 18, 1936. Serial No. 385,668. PUBLISHED JANUARY 31, 1939. Class 46.

366,318. FRUIT JUICES FOR FOOD PURPOSES. E. L. HEEBNER, New York, N. Y.

Filed November 18, 1936. Serial No. 385,669. PUBLISHED JANUARY 31, 1939. Class 46.

366,319. PIECE GOODS OF COTTON, COTTON MIXTURE, WOOL, AND RAYON. THURSTON CUTTING CORPORATION, New York, N. Y.

Filed December 15, 1936. Serial No. 386,782. PUBLISHED SEPTEMBER 27, 1938. Class 42.

366,320. LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, PAJAMAS, AND NIGHTGOWNS OF A TEXTILE FABRIC. I. SCHNEIERSON & SONS, INC., New York, N. Y.

Filed May 7, 1937. Serial No. 392,452. PUBLISHED JULY 6, 1937. Class 39.

366,321. FOLDING IRONING TABLES. SAGINAW MANUFACTURING CO., Saginaw, Mich.

Filed June 5, 1937. Serial No. 393,733. PUBLISHED JANUARY 31, 1939. Class 24.

366,322. CLOTHES HAMPERS, ASH CANS, AND GARBAGE CANS. NEW YORK STANDARD MFG. CO., INC., Brooklyn, N. Y.

Filed October 1, 1937. Serial No. 398,012. PUBLISHED NOVEMBER 16, 1937. Class 2.

366,323. GARMENTS FOR MEN AND WOMEN—NAMELY, SUITS, OUTER SHIRTS, SPORT SHIRTS, POLO SHIRTS. MANVILLE JENCKES CORPORATION, Manville, R. I.

Filed September 2, 1937. Serial No. 397,040. PUBLISHED JANUARY 31, 1939. Class 39.

366,324. LEATHER PRODUCTS—NAMELY, BILLFOLDS AND POCKETBOOKS. ARTHUR RAUHAUS, doing business as Kittanning Leather Products, Kittanning, Pa.

Filed October 9, 1937. Serial No. 398,335. PUBLISHED JANUARY 31, 1939. Class 3.

366,325. MEN'S AND BOYS' SHORTS. CARMI-FEATURE UNDERWEAR, INC., New York, N. Y.

Filed October 20, 1937. Serial No. 398,708. PUBLISHED JANUARY 17, 1939. Class 39.

366,326. ELECTRIC FAN. NEW PROCESS COMPANY, Warren, Pa.

Filed October 21, 1937. Serial No. 398,785. PUBLISHED JANUARY 31, 1939. Class 21.

366,327. YEAST PREPARATION INTENDED TO BE ADDED TO CONFECTIONERIES—NAMELY, CANDY, ICE CREAM, AND OTHER FROZEN CONFECTIONS. LLOYD M. HOLCOMB, doing business as Yeasto Manufacturing Company, Perry, Iowa.

Filed November 1, 1937. Serial No. 399,188; PUBLISHED JANUARY 31, 1939. Class 46.

366,328. ELECTRIC WATER HEATERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.

Filed November 6, 1937. Serial No. 399,433. PUBLISHED JANUARY 11, 1938. Class 21.

366,329. LUBRICANTS, AND PARTICULARLY LUBRICANTS FOR SPRINGS. THE H. A. MONTGOMERY COMPANY, Detroit, Mich.

Filed November 17, 1937. Serial No. 399,851. PUBLISHED JANUARY 31, 1939. Class 15.

366,330. STORAGE BATTERIES AND PARTS THEREFOR. PREST-O-LITE STORAGE BATTERY CORPORATION, Indianapolis, Ind.

Filed November 18, 1937. Serial No. 399,898. PUBLISHED JANUARY 18, 1938. Class 21.

366,331. SAUSAGE. R. B. RICE, INCORPORATED, Lees Summit, Mo.

Filed December 3, 1937. Serial No. 400,437. PUBLISHED JANUARY 31, 1939. Class 46.

366,332. COSMETIC SPADES OR SPATULAS. COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn.

Filed December 30, 1937. Serial No. 401,372. PUBLISHED JANUARY 31, 1939. Class 23.

366,333. FRESH CITRUS FRUITS. WAVERLY GROWERS COOPERATIVE, Waverly, Fla.

Filed January 6, 1938. Serial No. 401,631. PUBLISHED APRIL 26, 1938. Class 46.

366,334. GRAPHITE. THE UNITED STATES GRAPHITE COMPANY, Saginaw, Mich.

Filed January 7, 1938. Serial No. 401,683. PUBLISHED JANUARY 31, 1939. Class 1.

366,335. FROZEN FRESH VEGETABLES. STERLING B. DOUGHTY, doing business as California Frosted Foods, Decoto, Calif.

Filed January 14, 1938. Serial No. 401,893. PUBLISHED JANUARY 31, 1939. Class 46.

366,336. WOOLEN FLANNEL PIECE GOODS. FOLKARD & LAWRENCE, INC., New York, N. Y.

Filed February 19, 1938. Serial No. 403,203. PUBLISHED JANUARY 24, 1939. Class 42.

366,337. HEATERS UTILIZING HOT FLUID FROM THE ENGINE, FOR MOTOR VEHICLES OF ALL TYPES. EVANS PRODUCTS COMPANY, Detroit, Mich.

Filed February 21, 1938. Serial No. 403,247. PUBLISHED JANUARY 31, 1939. Class 19.

366,338. FRESH APPLES. ALBERT M. GREENE, Ashland, Mass.

Filed March 19, 1938. Serial No. 404,250. PUBLISHED JANUARY 31, 1939. Class 46.

366,339. VEILS. DAVID DUBIN, INC., New York, N. Y.

Filed April 8, 1938. Serial No. 405,016. PUBLISHED JANUARY 24, 1939. Class 42.

366,340. VEHICLE DIRECTIONAL LAMPS, SIGNAL LAMPS, MANUAL, SEMI-AUTOMATIC, AND AUTOMATIC CONTROLS FOR THE DIRECTIONAL SIGNAL LAMPS, CONTROL SWITCHES, AND CUT-OFF SWITCHES. SIGNAL-STAT CORP., Brooklyn, N. Y.

Filed April 28, 1938. Serial No. 405,826. PUBLISHED JANUARY 31, 1939. Class 21.

366,341. WATERPROOF COATS AND LEATHER COATS FOR MEN, WOMEN, AND CHILDREN. CHAS. MACINTOSH & COMPANY, LIMITED, Manchester, England.

Filed May 4, 1938. Serial No. 405,993. PUBLISHED JANUARY 10, 1939. Class 39.

366,342. GAME PLAYED BY ONE PERSON SIMULATING A CARD GAME PLAYED BY FOUR PERSONS. BRIDGE MASTER, INC., New York, N. Y.

Filed May 5, 1938. Serial No. 406,011. PUBLISHED JUNE 21, 1938. Class 22.

366,343. FIXED RADIO CONDENSERS. ROCKE INTERNATIONAL ELECTRIC CORP., New York, N. Y.

Filed May 11, 1938. Serial No. 406,227. PUBLISHED JANUARY 31, 1939. Class 21.

366,344. CHOCOLATE AND CANDY. ŠOKOLĀDES UN KONFEKŠU RAŽOJUMU TIRDZNIECĪBAS-RŪPNIECĪBAS AKCIJU SABIEDRĪBA "LAIMA", Riga, Latvia.

Filed May 11, 1938. Serial No. 406,232. PUBLISHED JANUARY 31, 1939. Class 46.

366,345. FRESH CITRUS FRUIT. THE RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif.

Filed May 21, 1938. Serial No. 406,603. PUBLISHED JULY 5, 1938. Class 46.

366,346. LIQUID WAX POLISH. GOLDSMITH BROS., New York, N. Y.

Filed May 25, 1938. Serial No. 406,713. PUBLISHED JANUARY 31, 1939. Class 16.

366,347. ELECTRIC DRY SHAVERS. SINGER SHAVER CORPORATION, Wilmington, Del.

Filed May 28, 1938. Serial No. 406,887. PUBLISHED JANUARY 31, 1939. Class 23.

366,348. SMOKING AND CHEWING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.

Filed May 31, 1938. Serial No. 406,909. PUBLISHED SEPTEMBER 6, 1938. Class 17.

366,349. CANNED OLIVES. FAIR OAKS FRUIT COMPANY, Fair Oaks, Calif.

Filed June 7, 1938. Serial No. 407,183. PUBLISHED JANUARY 31, 1939. Class 46.

366,350. GASOLINE. HUDSON OIL CO., Kansas City, Kans.

Filed June 16, 1938. Serial No. 407,550. PUBLISHED AUGUST 16, 1938. Class 15.

366,351. OPTICAL PROJECTION APPARATUS FOR PROJECTING AND DISPLAYING OPAQUE OBJECTS AND SURFACES ON A SCREEN. HENRY ROGER, doing business as Rolab Photo-Science Laboratories, Sandy Hook, Conn.

Filed June 20, 1938. Serial No. 407,691. PUBLISHED JANUARY 31, 1939. Class 26.

366,352. HOSIERY. ELTING BROTHERS, New York, N. Y.

Filed June 23, 1938. Serial No. 407,801. PUBLISHED JANUARY 10, 1939. Class 39.

366,353. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. BRADY PRODUCTS CO., Kansas City, Mo.

Filed June 29, 1938. Serial No. 408,006. PUBLISHED DECEMBER 27, 1938. Class 45.

366,354. NONALCOHOLIC MALTLESS BEVERAGES, CONCENTRATES, AND EXTRACTS. CALTONE CORPORATION, Los Angeles, Calif.

Filed July 2, 1938. Serial No. 408,155. PUBLISHED JANUARY 24, 1939. Class 45.

366,355. MEN'S SUITS AND MEN'S COATS. STEEFEL BROTHERS INC., Albany, N. Y.

Filed July 8, 1938. Serial No. 408,329. PUBLISHED JANUARY 24, 1939. Class 39.

366,356. WOOD BORING AUGER BITS, SCREW DRIVERS, FILES, BIT BRACES, AND WOOD DRILLS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.

Filed July 16, 1938. Serial No. 408,573. PUBLISHED JANUARY 31, 1939. Class 23.

366,357. WHEAT FLOUR, ROLLED OATS; CANNED SEAFOOD—NAMELY, FISH, SQUID, ABALONES; TOMATO CATSUP; FRESH FRUITS—NAMELY, APPLES, PEARS, GRAPES, ORANGES, LEMONS, AND VEGETABLES; CANNED FRUITS AND VEGETABLES, DRIED FRUITS, RAISINS, WALNUTS, PEANUTS, AND BAKING POWDER. CONNELL BROS. COMPANY LIMITED, San Francisco, Calif.

Filed July 20, 1938. Serial No. 408,692. PUBLISHED JANUARY 31, 1939. Class 46.

366,358. HOUSEHOLD CLEANER SUCH AS FOR TILE, PORCELAIN, ENAMEL, DISHES, KITCHEN UTENSILS, AND THE LIKE. A. KRASNE, INC., New York, N. Y.

Filed July 20, 1938. Serial No. 408,719. PUBLISHED JANUARY 17, 1939. Class 4.

366,359. BOND, LEDGER, PRINTING, WRITING, RECORD, CHECKS, BOOK PAPER, AND MAILING ENVELOPES. THE MCBEE COMPANY, Athens, Ohio.

Filed July 21, 1938. Serial No. 408,756. PUBLISHED JANUARY 31, 1939. Class 37.

366,360. OIL BURNING SPACE HEATERS, WATER HEATERS, AND AIR CONDITIONING UNITS. EVANS PRODUCTS COMPANY, Detroit, Mich.

Filed July 28, 1938. Serial No. 408,996. PUBLISHED JANUARY 31, 1939. Class 34.

366,361. JAMS, FRUIT PRESERVES, MARMALADE, GINGER PRESERVES, CANDIED PEELS, JELLIES. WM. P. HARTLEY, LIMITED, Liverpool and London, England.

Filed July 29, 1938. Serial No. 409,034. PUBLISHED JANUARY 31, 1939. Class 46.

366,362. MEN'S AND WOMEN'S SPORT COATS, SLACKS, AND SLACK SETS, AND WOMEN'S PAJAMAS AND SKIRTS. NATHAN KING, Los Angeles, Calif.

Filed July 29, 1938. Serial No. 409,116. PUBLISHED JANUARY 10, 1939. Class 39.

366,363. ATTACHMENTS FOR BOTTLE FOR MEASURING AND DISPENSING LIQUIDS THEREFROM. BAR MIXING MACHINE & SUPPLY CO., New York, N. Y.

Filed August 11, 1938. Serial No. 409,454. PUBLISHED JANUARY 31, 1939. Class 26.

366,364. VARNISHES USED AS A DRIER IN THE MANUFACTURE OF INKS. JOHN MAFF, INC., Newark, N. J.

Filed August 12, 1938. Serial No. 409,532. PUBLISHED JANUARY 31, 1939. Class 11.

366,365. FUR COATS FOR GIRLS AND WOMEN. S. P. PLATT, Chicago, Ill.

Filed August 18, 1938. Serial No. 409,745. PUBLISHED JANUARY 24, 1939. Class 39.

366,366. FABRIC MADE OF ACETATE AND SILK, SOLD AS PIECE GOODS, AND USED IN THE MANUFACTURE OF MEN'S AND WOMEN'S GARMENTS AND SPORTSWEAR. BRAND & OPPENHEIMER, INC., New York, N. Y.

Filed August 20, 1938. Serial No. 409,800. PUBLISHED JANUARY 31, 1939. Class 42.

366,367. LIGHT FOR USE IN PHOTOGRAPHIC ENLARGING AND PRINTING. ULTRA VIOLET PRODUCTS INCORPORATED, Los Angeles, Calif.

Filed September 1, 1938. Serial No. 410,194. PUBLISHED JANUARY 31, 1939. Class 26.

366,368. PASTE ADHESIVES. MASONITE CORPORATION, Chicago, Ill.
Filed September 3, 1938. Serial No. 410,261. PUBLISHED JANUARY 17, 1939. Class 5.

366,369. PASTE ADHESIVES. MASONITE CORPORATION, Chicago, Ill.
Filed September 3, 1938. Serial No. 410,262. PUBLISHED JANUARY 17, 1939. Class 5.

366,370. BLANK HOSPITAL CHARTS. ST. MEINRAD'S ABBEY, St. Meinrad, Ind.
Filed September 7, 1938. Serial No. 410,340. PUBLISHED JANUARY 31, 1939. Class 37.

366,371. PUBLICATION. DESIGNERS FOR INDUSTRY, INC., Cleveland, Ohio.
Filed September 12, 1938. Serial No. 410,456. PUBLISHED JANUARY 31, 1939. Class 38.

366,372. MEN'S AND BOYS' SUITS AND PANTS. MERIT CLOTHING COMPANY, Mayfield, Ky.
Filed September 13, 1938. Serial No. 410,514. PUBLISHED JANUARY 24, 1939. Class 39.

366,373. WOMEN'S AND CHILDREN'S UNIFORMS, DRESSES, SLACKS, PLAY SUITS. DUTI-DUDS, INC., Lynchburg, Va.
Filed September 17, 1938. Serial No. 410,689. PUBLISHED JANUARY 31, 1939. Class 39.

366,374. ELECTRIC LAMPS FOR ULTRA VIOLET BATHING IN HEALTH TREATMENT AND FOR THERAPEUTIC STERILIZING. SCIENCE LABORATORIES, INC., Cincinnati, Ohio.
Filed September 17, 1938. Serial No. 410,709. PUBLISHED JANUARY 31, 1939. Class 44.

366,375. LADIES' AND MISSES' DRESSES AND FROCKS. THE GOTTFRIED COMPANY, Cleveland, Ohio.
Filed September 22, 1938. Serial No. 410,865. PUBLISHED JANUARY 31, 1939. Class 39.

366,376. CHILDREN'S DRESSES, BLOUSES, AND JUMPERS. LEO J. GOLDBERGER, New York, N. Y.
Filed September 20, 1938. Serial No. 410,875. PUBLISHED JANUARY 17, 1939. Class 39.

366,377. INNER AND OUTER GARMENTS FOR MEN, BOYS, AND CHILDREN—NAMELY, ATHLETIC SHIRTS, UNDERSHIRTS, UNDERDRAWERS, UNION SUITS, AND SHORTS FOR INNER AND OUTER WEAR, ETC. THE PERRY KNITTING COMPANY, Perry, N. Y.
Filed September 23, 1938. Serial No. 410,920. PUBLISHED JANUARY 10, 1939. Class 39.

366,378. CAMERAS, CAMERA PARTS, ENLARGING APPARATUS FOR MAKING PRINTS FROM PHOTOGRAPHIC FILMS, PHOTOGRAPHIC PRINTING MACHINES, ETC. EMBY PHOTO. AND FILM MACHINE CORP., New York, N. Y.
Filed September 24, 1938. Serial No. 410,953. PUBLISHED JANUARY 31, 1939. Class 26.

366,379. MEN'S AND BOYS' COATS AND SUITS, AND WOMEN'S, GIRLS', AND CHILDREN'S COATS, SUITS, CLOAKS, AND CAPES. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed September 29, 1938. Serial No. 411,086. PUBLISHED JANUARY 10, 1939. Class 39.

366,380. LADIES' DRESSES. UNEEDA WASH FROCKS, INC., New York, N. Y.
Filed September 30, 1938. Serial No. 411,140. PUBLISHED JANUARY 10, 1939. Class 39.

366,381. SYNTHETIC RESIN YARNS. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed September 29, 1938. Serial No. 411,195. PUBLISHED JANUARY 31, 1939. Class 43.

366,382. HOSIERY. HANES HOSIERY MILLS COMPANY, INC., Winston-Salem, N. C.
Filed October 5, 1938. Serial No. 411,296. PUBLISHED JANUARY 17, 1939. Class 39.

366,383. THREAD AND YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed October 7, 1938. Serial No. 411,382. PUBLISHED JANUARY 17, 1939. Class 43.

366,384. MANUFACTURED FUR WEARING APPAREL FOR WOMEN, TO WIT, COATS, CAPES, JACKETS, SCARFS, AND FUR TRIMMINGS—NAMELY, COLLARS AND CUFFS TO BE APPLIED ON CLOTH COATS AND UPON DRESSES OF EVERY KIND AND DESCRIPTION. LENKOWSKY BROS. FURS, INC., New York, N. Y.
Filed October 8, 1938. Serial No. 411,420. PUBLISHED JANUARY 31, 1939. Class 39.

366,385. SHOE POLISH AND CLEANER. PAUL CIMINO, Wilkes-Barre, Pa.
Filed October 3, 1938. Serial No. 411,431. PUBLISHED JANUARY 24, 1939. Class 4.

366,386. KNITTED, NETTED, AND TEXTILE PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. NORTH AMERICAN RAYON CORPORATION, New York, N. Y.
Filed October 10, 1938. Serial No. 411,464. PUBLISHED JANUARY 24, 1939. Class 42.

366,387. NEWS COLUMN. ALLAN W. "BILL" WELLS, doing business as Wells Feature Syndicate, Hollywood, Calif.
Filed October 12, 1938. Serial No. 411,560. PUBLISHED JANUARY 24, 1939. Class 38.

366,388. COMPOSITE PACKAGE OF SPAGHETTI AND CHEESE. THE JOHN B. CANEPA COMPANY, Chicago, Ill.
Filed October 13, 1938. Serial No. 411,567. PUBLISHED JANUARY 31, 1939. Class 46.

366,389. COMPOSITE PACKAGE OF SPAGHETTI AND CHEESE. THE JOHN B. CANEPA COMPANY, Chicago, Ill.
Filed October 13, 1938. Serial No. 411,568. PUBLISHED JANUARY 31, 1939. Class 46.

366,390. COMPOSITE PACKAGE OF SPAGHETTI AND CHEESE. THE JOHN B. CANEPA COMPANY, Chicago, Ill.
Filed October 13, 1938. Serial No. 411,569. PUBLISHED JANUARY 31, 1939. Class 46.

366,391. FOOD PROCESSING MACHINERY—I. E., GRINDERS, BOLTERS, SIFTERS, MIXERS, CONVEYORS; AND PACKAGING MACHINERY—I. E., OPENERS, FILLERS, COMPACTORS, AND CLOSERS. B. F. GUMP CO., Chicago, Ill.
Filed October 13, 1938. Serial No. 411,575. PUBLISHED JANUARY 31, 1939. Class 23.

366,392. FUR COATS. I. J. FOX INC., New York, N. Y.
Filed October 14, 1938. Serial No. 411,600. PUBLISHED JANUARY 17, 1939. Class 39.

366,393. YARNS FOR ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed October 14, 1938. Serial No. 411,624. PUBLISHED JANUARY 17, 1939. Class 43.

366,394. MAGAZINES. PHAME PUBLISHING CO., INC., New York, N. Y.
Filed October 17, 1938. Serial No. 411,706. PUBLISHED JANUARY 31, 1939. Class 38.

366,395. CLEANING AND POLISHING COMPOUND FOR CLEANING AND POLISHING ALUMINUM, BRASS, COPPER, CHROMIUM, GLASS, NICKEL, PORCELAIN, AND ENAMEL. PIERPONT & GROW PRODUCTS, Muncie, Ind.
Filed October 18, 1938. Serial No. 411,752. PUBLISHED JANUARY 17, 1939. Class 4.

366,396. COFFEE, SURROGATES (SUBSTITUTES) FOR COFFEE, COFFEE ESSENCES, ROASTED CHICORY, FIG COFFEE, ETC. KAISER'S KAFFEEGESCHÄFT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Viersen, Germany.
Filed October 19, 1938. Serial No. 411,783. PUBLISHED JANUARY 24, 1939. Class 46.

366,397. WOMEN'S AND MISSES' COTTON DRESSES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed October 22, 1938. Serial No. 411,939. PUBLISHED JANUARY 17, 1939. Class 39.

366,398. GARMENT BAGS, BLANKET BAGS, LINGERIE BAGS, HANDKERCHIEF BAGS, AND SHOE BAGS MADE OF SPECIALLY TREATED CLOTH AND TRANSPARENT MATERIAL LAMINATED TO EITHER SIDE OF THE CLOTH. THE CROMWELL PAPER COMPANY, Chicago, Ill.
Filed October 22, 1938. Serial No. 411,945. PUBLISHED JANUARY 17, 1939. Class 2.

366,399. SEEDS, PARTICULARLY VEGETABLE, FLOWER, AND GRASS SEEDS. FERRY-MORSE SEED CO., Detroit, Mich.
Filed October 22, 1938. Serial No. 411,950. PUBLISHED JANUARY 31, 1939. Class 1.

366,400. CIGARS. ADOLPH'S CIGAR STORE, S. A., Habana, Cuba.
Filed October 25, 1938. Serial No. 412,019. PUBLISHED JANUARY 31, 1939. Class 17.

366,401. POWDERED MATERIAL FOR FLAVORING AND IMPROVING SOUPS AND SAUCES. MEYER & LANGE, INC., New York, N. Y.
Filed October 25, 1938. Serial No. 412,039. PUBLISHED JANUARY 31, 1939. Class 46.

366,402. CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, ETC. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed October 26, 1938. Serial No. 412,058. PUBLISHED JANUARY 31, 1939. Class 26.

366,403. CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, ETC. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed October 26, 1938. Serial No. 412,059. PUBLISHED JANUARY 31, 1939. Class 26.

366,404. CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, ETC. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed October 26, 1938. Serial No. 412,060. PUBLISHED JANUARY 31, 1939. Class 26.

366,405. FERTILIZERS. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed October 28, 1938. Serial No. 412,131. PUBLISHED JANUARY 17, 1939. Class 10.

366,406. CAMERAS AND CAMERA SUPPLIES SUCH AS ENLARGER, DEVELOPER, PRINTER, RANGE FINDER, EXPOSURE METER, FILMS, DEVELOPING PAPER, AND TRIPODS. PHOTOGRAPHIC INDUSTRIES OF AMERICA, INC., New York, N. Y.
Filed October 28, 1938. Serial No. 412,151. PUBLISHED JANUARY 31, 1939. Class 26.

366,407. GLOVE BOXES, HOSIERY BOXES, COASTERS AND CANISTERS FOR HOLDING THE SAME, TRAYS, WASTE BASKETS, AND JEWELRY BOXES, ALL MADE OF LEATHER. CHAS. A. SCHIEREN COMPANY, New York, N. Y.
Filed October 28, 1938. Serial No. 412,159. PUBLISHED JANUARY 24, 1939. Class 2.

366,408. ELECTRICAL FLASHLIGHTS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed October 29, 1938. Serial No. 412,180. PUBLISHED JANUARY 31, 1939. Class 21.

366,409. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, ETC. LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J.
Filed October 29, 1938. Serial No. 412,191. PUBLISHED JANUARY 31, 1939. Class 4.

366,410. FISH MEAL AND FISH OIL USED AS AN INGREDIENT IN FEED FOR POULTRY AND OTHER DOMESTIC ANIMALS. J. HOWARD SMITH, New York, N. Y.
Filed November 1, 1938. Serial No. 412,270. PUBLISHED JANUARY 31, 1939. Class 46.

366,411. TOILET SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed November 2, 1938. Serial No. 412,289. PUBLISHED JANUARY 10, 1939. Class 4.

366,412. LADIES' UNDERGARMENTS — NAMELY, SLIPS, PANTIES, CHEMISES, NIGHTGOWNS, PAJAMAS, BLOOMERS, STEP-INS, AND BRASSIÈRES. PHILIP S. BLOOM CO., Chicago, Ill.
Filed November 3, 1938. Serial No. 412,327. PUBLISHED JANUARY 31, 1939. Class 39.

366,413. KNITTING MACHINES. EDOUARD DUBIED ET CIE. SOCIÉTÉ ANONYME, Couvet, Switzerland.
Filed November 4, 1938. Serial No. 412,374. PUBLISHED JANUARY 31, 1939. Class 23.

366,414. ELECTRICAL SWITCHES. S. & W. MFG. CO., Downey, Calif.
Filed November 4, 1938. Serial No. 412,391. PUBLISHED JANUARY 31, 1939. Class 21.

366,415. HOSIERY AND STOCKINGS. TRIUMPH HOSIERY MILLS, INC., New York, N. Y.
Filed November 4, 1938. Serial No. 412,398. PUBLISHED JANUARY 17, 1939. Class 39.

366,416. SERIES OF CARTOONS. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y.
Filed November 7, 1938. Serial No. 412,438. PUBLISHED JANUARY 31, 1939. Class 38.

366,417. MONTHLY TRADE PUBLICATION. EVANS-WINTER-HEBB INC., Detroit, Mich.
Filed November 7, 1938. Serial No. 412,442. PUBLISHED JANUARY 24, 1939. Class 38.

366,418. POT CLEANERS MADE OF METALLIC MATERIAL. METAL TEXTILE CORPORATION, West Orange, N. J.
Filed November 7, 1938. Serial No. 412,455. PUBLISHED JANUARY 10, 1939. Class 4.

366,419. FRESH VEGETABLES. MUSANTE-WILLIAMS, INC., Salinas, Calif.
Filed November 7, 1938. Serial No. 412,456. PUBLISHED JANUARY 31, 1939. Class 46.

366,420. LADIES' DRESSES. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill.
Filed November 7, 1938. Serial No. 412,462. PUBLISHED JANUARY 10, 1939. Class 39.

366,421. DRESS FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, OR ANY COMBINATION THEREOF. H. BATES CO., INC., New York, N. Y.
Filed November 8, 1938. Serial No. 412,489. PUBLISHED JANUARY 24, 1939. Class 42.

366,422. WOMEN'S AND MISSES' BLOUSES. IRVING GEIST, New York, N. Y.
Filed November 8, 1938. Serial No. 412,502. PUBLISHED JANUARY 17, 1939. Class 39.

366,423. BOYS' AND STUDENTS' SUITS AND OVERCOATS. SANDERS A. LEVINSOHN, INC., New York, N. Y.
Filed November 8, 1938. Serial No. 412,509. PUBLISHED JANUARY 17, 1939. Class 39.

366,424. BOYS' AND STUDENTS' SUITS AND OVERCOATS. SANDERS A. LEVINSOHN, INC., New York, N. Y.
Filed November 8, 1938. Serial No. 412,510. PUBLISHED JANUARY 17, 1939. Class 39.

366,425. CLEANING PREPARATION HAVING INCIDENTAL POLISHING PROPERTIES, FOR USE ON AUTOMOBILES AND SIMILAR LACQUERED SURFACES. MORRIS L. TANNER, Chicago, Ill.
Filed November 8, 1938. Serial No. 412,528. PUBLISHED JANUARY 10, 1939. Class 4.

366,426. CARTOON SERIES. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed November 9, 1938. Serial No. 412,555. PUBLISHED JANUARY 24, 1939. Class 38.

366,427. PAINTS IN READY MIXED, DRY, AND PASTE FORM. WIMBERLY & THOMAS HARDWARE CO., INC., Birmingham, Ala.
Filed November 9, 1938. Serial No. 412,574. PUBLISHED JANUARY 31, 1939. Class 16.

366,428. PEAT MOSS. ATKINS & DURBROW, INC., New York, N. Y.
Filed November 10, 1938. Serial No. 412,580. PUBLISHED JANUARY 31, 1939. Class 1.

366,429. PEAT MOSS. ATKINS & DURBROW, INC., New York, N. Y.
Filed November 10, 1938. Serial No. 412,581. PUBLISHED JANUARY 31, 1939. Class 1.

366,430. BOYS' CLOTHING AND ACCESSORIES—NAMELY, POLO SHIRTS, PLAY SHORTS, AND SPORT JACKETS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed November 12, 1938. Serial No. 412,623. PUBLISHED JANUARY 31, 1939. Class 39.

366,431. DETERGENT CHEMICAL COMPOUND FOR CLEANING GLASSWARE, SUCH AS IS USED IN SCIENTIFIC LABORATORIES, AND OTHER UTENSILS. CALGON, INCORPORATED, Pittsburgh, Pa.
Filed November 12, 1938. Serial No. 412,626. PUBLISHED JANUARY 10, 1939. Class 4.

366,432. POLISHES FOR PIANOS AND FURNITURE, AND FOR SURFACE FINISHING AND RE-FINISHING PREPARATIONS EMPLOYING VARNISH, SHELLAC, OILS, AND HYDROGENATED OILS, OR ONE OR MORE OF SUCH SUBSTANCES. TUNERS SUPPLY COMPANY, Somerville, Mass.
Filed November 12, 1938. Serial No. 412,671. PUBLISHED JANUARY 31, 1939. Class 16.

366,433. SANITARY WHITE UNIFORMS FOR DOCTORS, NURSES, ORDERLIES, AND THE LIKE. BREW-SCHNEIDER, INC., New York, N. Y.
Filed November 14, 1938. Serial No. 412,693. PUBLISHED JANUARY 10, 1939. Class 39.

366,434. FUEL OIL PARTICULARLY ADAPTED FOR TRACTORS. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla.
Filed November 15, 1938. Serial No. 412,751. PUBLISHED JANUARY 24, 1939. Class 15.

366,435. VARNISHES, STAINS, JAPANS, SURFACERS, AND PAINTS AND PAINT ENAMELS. GENERAL PAINT & VARNISH CO., Chicago, Ill.
Filed November 15, 1938. Serial No. 412,761. PUBLISHED JANUARY 31, 1939. Class 16.

366,436. MEN'S AND BOYS' OUTER APPAREL—NAMELY, OVERCOATS, JACKETS, SUITS, TROUSERS; ALSO WOMEN'S, MISSES', AND CHILDREN'S OUTER APPAREL—NAMELY, COATS, JACKETS, SUITS, DRESSES, SKIRTS, SWEATERS, AND BLOUSES. KIRBY, BLOCK & FISCHER, INC., New York, N. Y.
Filed November 15, 1938. Serial No. 412,766. PUBLISHED JANUARY 10, 1939. Class 39.

366,437. MEN'S AND BOYS' OUTER CLOTHING—NAMELY, SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed November 15, 1938. Serial No. 412,770. PUBLISHED JANUARY 10, 1939. Class 39.

366,438. MINERAL FEEDS FOR LIVESTOCK AND POULTRY. THE SHORES COMPANY, Cedar Rapids, Iowa.
Filed November 15, 1938. Serial No. 412,781. PUBLISHED JANUARY 31, 1939. Class 46.

366,439. KNITTED OUTERWEAR—NAMELY, SWEATERS AND SWEATER COATS. THE BAMBERGER-REINTHAL COMPANY, Cleveland, Ohio.
Filed November 16, 1938. Serial No. 412,793. PUBLISHED JANUARY 10, 1939. Class 39.

366,440. WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S COATS. BAGEDONOW BROS. INC., New York, N. Y.
Filed November 17, 1938. Serial No. 412,848. PUBLISHED JANUARY 17, 1939. Class 39.

366,441. VARNISHES, STAINS, JAPANS, SURFACERS, AND PAINTS AND PAINT ENAMELS. GENERAL PAINT & VARNISH CO., Chicago, Ill.
Filed November 17, 1938. Serial No. 412,856. PUBLISHED JANUARY 31, 1939. Class 16.

366,442. WHEAT FLOUR. VOIGT MILLING COMPANY, Grand Rapids, Mich.
Filed November 17, 1938. Serial No. 412,883. PUBLISHED JANUARY 31, 1939. Class 46.

366,443. HOSIERY. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill.
Filed November 18, 1938. Serial No. 412,897. PUBLISHED JANUARY 17, 1939. Class 39.

366,444. PERIODICAL PUBLICATION. COLLEGE YEARS PUBLICATIONS, INC., New Haven, Conn.
Filed November 18, 1938. Serial No. 412,899. PUBLISHED JANUARY 31, 1939. Class 38.

366,445. WOMEN'S AND GIRLS' DRESSES, JACKETS, AND COATS MADE OF SILK, COTTON, WOOL, LINEN, WORSTED, RAYON, "CELANESE", AND ACETATE CLOTHS. HORWITZ & DUBERMAN, New York, N. Y.
Filed November 18, 1938. Serial No. 412,907. PUBLISHED JANUARY 24, 1939. Class 39.

366,446. CARAMEL COLORS FOR USE IN COLORING NONALCOHOLIC, MALTLESS BEVERAGES. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed November 18, 1938. Serial No. 412,920. PUBLISHED JANUARY 31, 1939. Class 45.

366,447. CARAMEL COLORS FOR USE IN COLORING MALT BEVERAGES. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed November 18, 1938. Serial No. 412,921. PUBLISHED JANUARY 31, 1939. Class 48.

366,448. MADE UP WINDOW CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK OR COMBINATIONS THEREOF. BARTMANN & BIXER INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,936. PUBLISHED JANUARY 31, 1939. Class 42.

366,449. NIGHTGOWNS. COLLEGIATE MANUFACTURING COMPANY, New York, N. Y.
Filed November 19, 1938. Serial No. 412,953. PUBLISHED JANUARY 10, 1939. Class 39.

366,450. WINDOW SHADE CLOTH IN THE PIECE. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,955. PUBLISHED JANUARY 31, 1939. Class 42.

366,451. WINDOW SHADE CLOTH IN THE PIECE. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,956. PUBLISHED JANUARY 31, 1939. Class 42.

366,452. WINDOW SHADE CLOTH IN THE PIECE. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,957. PUBLISHED JANUARY 31, 1939. Class 42.

366,453. WINDOW SHADE CLOTH IN THE PIECE. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,958. PUBLISHED JANUARY 31, 1939. Class 42.

366,454. WINDOW SHADE CLOTH IN THE PIECE. THE COLUMBIA MILLS, INC., New York, N. Y.
Filed November 19, 1938. Serial No. 412,959. PUBLISHED JANUARY 31, 1939. Class 42.

366,455. COTTON PIECE GOODS. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England.
Filed November 19, 1938. Serial No. 412,985. PUBLISHED JANUARY 31, 1939. Class 42.

366,456. COAL. VOLPE COAL COMPANY, Pittston, Pa.
Filed November 19, 1938. Serial No. 412,988. PUBLISHED JANUARY 31, 1939. Class 1.

366,457. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed November 21, 1938. Serial No. 413,013. PUBLISHED JANUARY 10, 1939. Class 39.

366,458. WEEKLY PUBLICATIONS THE SUBJECT MATTER OF WHICH COMPRISES PICTURES OF AND RECIPES AND SUGGESTIONS FOR BALANCED MEALS. HAYWOOD PUBLISHING COMPANY, La Fayette, Ind.
Filed November 21, 1938. Serial No. 413,015. PUBLISHED JANUARY 31, 1939. Class 38.

366,459. LADIES' AND MISSES' COATS AND SUITS. RUTHERFORD COAT CO., INC., East Rutherford, N. J.
Filed November 22, 1938. Serial No. 413,050. PUBLISHED JANUARY 17, 1939. Class 39.

366,460. NONALCOHOLIC, NONCEREAL, MALTLESS, BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CONCORDADE COMPANY, INC., Providence, R. I.
Filed November 23, 1938. Serial No. 413,064. PUBLISHED JANUARY 24, 1939. Class 45.

366,461. NONALCOHOLIC, NONCEREAL, MALTLESS, BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. PENRITH-AKERS MANUFACTURING CO., Minneapolis, Minn.
Filed November 23, 1938. Serial No. 413,078. PUBLISHED JANUARY 24, 1939. Class 45.

366,462. BLANKETS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed November 23, 1938. Serial No. 413,079. PUBLISHED JANUARY 24, 1939. Class 42.

366,463. UNDERGARMENT OF TEXTILE FABRIC FOR WOMEN TO BE WORN AS A GIRDLE OR FIGURE-RETAINING GARMENT. MODEL BRASSIERE CORP., Brooklyn, N. Y.
Filed November 25, 1938. Serial No. 413,133. PUBLISHED JANUARY 31, 1939. Class 39.

366,464. PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, AND RECEIPT PAPER; AND STATIONERY—NAMELY, FORM BOOKS, SALES BOOKS, AND RECEIPT BOOKS. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed November 25, 1938. Serial No. 413,134. PUBLISHED JANUARY 31, 1939. Class 37.

366,465. PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, AND RECEIPT PAPER; AND STATIONERY—NAMELY, FORM BOOKS, SALES BOOKS, AND RECEIPT BOOKS. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed November 25, 1938. Serial No. 413,135. PUBLISHED JANUARY 31, 1939. Class 37.

366,466. DRESSING TO PRESERVE AND CONDITION LEATHER. CHAS. A. SCHIEREN COMPANY, New York, N. Y.
Filed November 25, 1938. Serial No. 413,148. PUBLISHED JANUARY 24, 1939. Class 4.

366,467. FACIAL TISSUES, TISSUE TOWELS, AND HANDKERCHIEFS. THE SORG PAPER CO., Middletown, Ohio.
Filed November 25, 1938. Serial No. 413,154. PUBLISHED JANUARY 31, 1939. Class 37.

366,468. TOILET TISSUE. THE SORG PAPER CO., Middletown, Ohio.
Filed November 25, 1938. Serial No. 413,155. PUBLISHED JANUARY 31, 1939. Class 37.

366,469. CLEANING PREPARATION FOR REMOVING ROAD FILM AND BUG JUICE FROM AUTOMOBILES. CARL R. VAN ZILE, Warsaw, Ill.
Filed November 25, 1938. Serial No. 413,163. PUBLISHED JANUARY 31, 1939. Class 4.

366,470. HEADING FOR COMIC STRIP. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed November 26, 1938. Serial No. 413,197. PUBLISHED JANUARY 31, 1939. Class 38.

366,471. RIBBONS OF CELLULOSE FILM OR THE LIKE USED FOR SECURING GIFT PACKAGES AND THE LIKE. NORCROSS, New York, N. Y.
Filed November 28, 1938. Serial No. 413,234. PUBLISHED JANUARY 31, 1939. Class 37.

366,472. WELDING RODS. SMITH WELDING EQUIPMENT CORPORATION, Minneapolis, Minn.
Filed November 28, 1938. Serial No. 413,248. PUBLISHED JANUARY 24, 1939. Class 14.

366,473. FRESH FRUITS—NAMELY, CITRUS FRUITS. BAYVIEW CITRUS ASSOCIATION, Los Fresnos, Tex.
Filed November 29, 1938. Serial No. 413,261. PUBLISHED JANUARY 31, 1939. Class 46.

366,474. COTTON FABRICS IN THE PIECE. H. M. KOLBE CO., INC., New York, N. Y.
Filed November 29, 1938. Serial No. 413,269. PUBLISHED JANUARY 24, 1939. Class 42.

366,475. SUBSTITUTE FOR DEHYDRATED FRESH AND FROZEN EGG YOLKS. LEWIS SCHWARTZ, doing business as X-Pray Company of America, Brooklyn, N. Y.
Filed November 29, 1938. Serial No. 413,281. PUBLISHED JANUARY 31, 1939. Class 46.

366,476. NEWSPAPER COLUMN. ETHELYN EVANS, Washington, D. C.
Filed November 30, 1938. Serial No. 413,302. PUBLISHED JANUARY 31, 1939. Class 38.

366,477. PERIODICAL PUBLICATION. EDMUND JACOBSON, New York, N. Y.
Filed November 30, 1938. Serial No. 413,310. PUBLISHED JANUARY 31, 1939. Class 38.

366,478. CITRUS FRUITS. FLORIDA CITRUS EXCHANGE, Tampa, Fla.
Filed December 1, 1938. Serial No. 413,341. PUBLISHED JANUARY 31, 1939. Class 46.

366,479. LADIES' AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS. GORDON V. LYONS, INC., New York, N. Y.
Filed December 1, 1938. Serial No. 413,347. PUBLISHED JANUARY 10, 1939. Class 39.

366,480. WOOLEN PIECE GOODS. PERRIN GLOVE COMPANY, INC., New York, N. Y.
Filed December 1, 1938. Serial No. 413,362. PUBLISHED JANUARY 24, 1939. Class 42.

366,481. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS. THE GOSMAN COMPANY, Baltimore, Md.
Filed December 2, 1938. Serial No. 413,402. PUBLISHED JANUARY 31, 1939. Class 45.

366,482. CLEANSER FOR CLEANING RECEPTACLES AND CONTAINERS HAVING INCIDENTAL WATER-SOFTENING PROPERTIES. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed December 3, 1938. Serial No. 413,436. PUBLISHED JANUARY 24, 1939. Class 4.

366,483. SHEETS AND PILLOWCASES. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed December 5, 1938. Serial No. 413,492. PUBLISHED JANUARY 24, 1939. Class 42.

366,484. HIGH SPEED TOOL STEEL. VANADIUM-ALLOYS STEEL COMPANY, Latrobe, Pa.
Filed December 5, 1938. Serial No. 413,495. PUBLISHED JANUARY 31, 1939. Class 14.

366,485. BLANKETS AND WOOLEN PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 6, 1938. Serial No. 413,522. PUBLISHED JANUARY 24, 1939. Class 42.

366,486. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CONCORDADE COMPANY, INC., Providence, R. I.
Filed December 7, 1938. Serial No. 413,540. PUBLISHED JANUARY 31, 1939. Class 45.

366,487. MEDICATED PLASTERS FOR TREATING RUPTURE. COLLETTE AND MARKLE, Eureka Springs, Ark.
Filed December 15, 1938. Serial No. 413,855. PUBLISHED JANUARY 31, 1939. Class 44.

366,488. PREPARATION USED FOR CLEANING AND WASHING DISHES, PAINTED WOODWORK, WALLS, AND BATHTUBS. GULDEN COMPANY, INC., Jersey City, N. J.
Filed December 15, 1938. Serial No. 413,867. PUBLISHED JANUARY 31, 1939. Class 4.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

366,489. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) A. I. NAMM & SON, Brooklyn, N. Y. Filed Jan. 17, 1935. Serial No. 360,369.

CAMBRIDGE

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 19, 1938.

366,490. (CLASS 39. CLOTHING.) TAILORED SILK UNDERGARMENT CO., INC., New York, N. Y. Filed Nov. 30, 1936. Serial No. 386,130.

Finefit

For Ladies' Slips, Chemises, and Panties.
Claims use since June, 1935.

366,491. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FREDERICK P. SMITHMEYER, doing business as Tub Scrub Products Company, Topeka, Kans. Filed June 12, 1937. Serial No. 394,008.

tub scrub

For Cleaning Compound, Particularly for Cleaning Tubs, Lavatories, and the Like.
Claims use since Nov. 10, 1936.

366,492. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SILEX COMPANY, Hartford, Conn. Filed July 22, 1937. Serial No. 395,543.

ANYHEET CONTROL

For Electric Switches and Automatic Circuit Breakers.
Claims use since June 18, 1937.

366,493. (CLASS 39. CLOTHING.) MASSACHUSETTS KNITTING MILLS, Boston, Mass. Filed Nov. 24, 1937. Serial No. 400,114.

Crepette

For Genuine Silk Crepe Hosiery.
Claims use since Feb. 18, 1936.

366,494. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) UNION DENTAL LABORATORIES, INCORPORATED, Salt Lake City, Utah. Filed Jan. 24, 1938. Serial No. 402,280.

UNION

For Dental Supplies—Namely, Plates, Bridges, and Inlays.
Claims use since Apr. 25, 1935.

366,495. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARC-RAY LAMP WORKS, North Bergen, N. J. Filed Feb. 21, 1938. Serial No. 403,237.

ARC RAY

For Incandescent Electric Lamps.
Claims use since Jan. 28, 1938.

366,496. (CLASS 37. PAPER AND STATIONERY.) THE CROMWELL PAPER CO., Chicago, Ill. Filed Mar. 10, 1938. Serial No. 403,908.

PAK - PLATE

For Waterproof Shipping Paper.
Claims use since Dec. 1, 1937.

366,497. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PATTERSON O. STEWART, doing business as Electro Products Company, New York, N. Y. Filed Mar. 24, 1938. Serial No. 404,454.

DETECTASKIP

For Electrical Indicating Device Fitted with Neon Tubes and Used for Checking the Ignition of Internal Combustion Engines Against Flaws of Nonfunction and Variance.
Claims use since Feb. 1, 1938.

366,498. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Mar. 25, 1938. Serial No. 404,489.

VEE-LOK

For Clutch Facings.
Claims use since Mar. 7, 1938.

366,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAPO CITRUS ASSOCIATION, Santa Susana, Calif. Filed Mar. 28, 1938. Serial No. 404,588.

SIMI

For Fresh Citrus Fruit.
Claims use since Feb. 25, 1938.

366,500. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE KRODER REUBEL CO. INC., New York, N. Y. Filed Apr. 12, 1938. Serial No. 405,164.

STREAMLINE

For Curtain Rods and I-Beam Curtain Rails, I-Beam Curtain Rail Splicers, I-Beam Curtain Rail Carriers, I-Beam Curtain Rail Overlap Carriers, I-Beam Curtain Rail Sockets, I-Beam Curtain Rail Pulleys, I-Beam Curtain Rail End Stops, I-Beam Curtain Rail Ceiling Brackets, I-Beam Curtain Rail Wall Brackets.
Claims use since Mar. 10, 1938.

366,501. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JUBILEE MANUFACTURING COMPANY, Omaha, Nebr. Filed Apr. 16, 1938. Serial No. 405,357.

DUAL

For Electrically Actuated Horns and Their Adjuncts, Such as Are Utilized on Automobiles, Motor Boats, and Motorcycles.
Claims use since Feb. 1, 1937.

366,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HODGES CARPET COMPANY, Indian Orchard, Mass. Filed May 6, 1938. Serial No. 406,054.

Deauville

For Sisal Rugs and Carpets.
Claims use since Feb. 1, 1938.

366,503. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed July 7, 1938. Serial No. 408,267.

BRITISHER LOUNGE MODEL

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers, also Men's Overcoats and Topcoats, also Women's Overcoats, Topcoats, and Suits, Consisting of Outer Coat, Ensemble, Vest, and Skirt.
Claims use since Dec. 1, 1937.

366,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STEFFEN ICE AND ICE CREAM COMPANY, Wichita, Kans. Filed July 11, 1938. Serial No. 408,403.

Steffen's
PASTEURIZED
Vita-Milk
HOMOGENIZED
"CREAM IN EVERY DROP"

For Pasteurized Milk.
Claims use since Dec. 1, 1937.

366,505. (CLASS 11. INKS AND INKING MATERIALS.) JOHN UNDERWOOD & CO., Brooklyn, N. Y. Filed July 19, 1938. Serial No. 408,669.

SUPERIOR

For Carbon Papers and Typewriter Ribbons.
Claims use since Dec. 31, 1919.

366,506. (CLASS 45. BEVERAGES, NONALCOHOLIC.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Aug. 19, 1938. Serial No. 409,781.

RICHardson

For Concentrated and Ready-To-Use Syrups, Flavors, and Concentrates Used in Mixing and in Making Soft

Drinks and Beverages; Fruit Flavors and Imitation Extracts and Flavors Used in Making Soft Drink Beverages; Soluble Extracts Used in Making Bottled Beverages, and Root Beer Syrup Used in Making Soft Drinks and Carbonated Beverages.
Claims use since June 9, 1916.

366,507. (CLASS 12. CONSTRUCTION MATERIALS.) EUGENE T. RHODES, St. Louis, Mo. Filed Dec. 17, 1938. Serial No. 413,960.

MULTI-BRICK

For Veneer Building Slabs.
Claims use since Sept. 1, 1933.

366,508. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BOWES "SEAL FAST" CORPORATION, Indianapolis, Ind. Filed Jan. 21, 1939. Serial No. 415,071.

BOWES
SEAL FAST

For Tire and Tube Repair Outfits or Kits, Dough Kits, Rubber Valve Stems, and Fan Belts and Radiator Hose.
Claims use since June 29, 1927.

366,509. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PLEETOOX PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 21, 1939. Serial No. 415,089.

NORMANDIE

For Articles Made of Fabric, and Particularly Sheets and Pillow Cases.
Claims use since Jan. 2, 1937.

366,510. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SOUTHPORT PAINT COMPANY, INC., Savannah, Ga. Filed Jan. 24, 1939. Serial No. 415,195.

SOUTHPORT

For Ready-Mixed Paints, Paint Enamels, Primers, Undercoaters, Washable Paints, Semipaste Paints, Varnishes, Stains, Paint and Varnish Removers, Prepared Shellacs, and Paint Driers.
Claims use since September, 1934.

366,511. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL FOOD PRODUCTS COMPANY, Vernon, Calif. Filed Feb. 6, 1939. Serial No. 415,643.

Monterey

For Candy.
Claims use since Oct. 14, 1933.

TRADE-MARK REGISTRATIONS RENEWED

121,643. MOLASSES, SORGHUMS, CANE AND MAPLE SYRUPS, AND COMPOUNDS THEREOF. Registered May 14, 1918. NEW ORLEANS COFFEE CO. LTD., New Orleans, La. Renewed May 14, 1938, to Penick & Ford, Ltd. Incorporated, New York, N. Y., a corporation of Delaware, successor.

122,097. A COMPOUND OF SORGHUM AND CORN-SYRUP. Registered June 25, 1918. NEW ORLEANS COFFEE CO., LTD., New Orleans, La. Renewed June 25, 1938, to Penick & Ford, Ltd. Incorporated, New York, N. Y., a corporation of Delaware, successor.

124,456. WHISTLE-CALLS. Registered February 18, 1919. JOSEPH HUDSON. Renewed February 18, 1939, to James Clifford Hudson, doing business as J. Hudson and Co., Birmingham, England, assignee by mesne assignments.

124,635. NEUTRALIZING-CORDIAL FOR TREATMENT OF DERANGEMENT OF STOMACH AND BOWELS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,636. CERTAIN NAMED CHEMICALS, MEDICINES, PHARMACEUTICAL PREPARATIONS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,637. EXTRACTS OF ERGOT AND A PREPARATION OF HYDRASTIS FOR TREATMENT OF CERTAIN NAMED AFFECTIONS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,638. CERTAIN NAMED COMPOUND FOR THE TREATMENT OF CERTAIN AFFECTIONS AND CONDITIONS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,639. DISTILLATE FROM APOCYNUM CANNABINUM FOR THE TREATMENT OF DROPSY AND NEPHRITIS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,640. CERTAIN NAMED PHARMACEUTICAL PRODUCTS. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,641. TOBACCO-DISTILLATE USED TO RELIEVE CERTAIN NAMED PAINS AND TO TREAT FURFURACEOUS SKIN DISEASES. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,642. PREPARATION OF ECHINACEA FOR SURGICAL USES. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,643. PREPARATION OF CAULOPHYLLUM FOR TREATMENT OF AMENORRHEA, DYSMENORRHEA, CUTANEOUS DISEASES, AND IN GYNECOLOGY. Registered March 4, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed March 4, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,739. SAFETY-PAPER. Registered March 11, 1919. E. E. LLOYD PAPER CO., Chicago, Ill., a corporation of Illinois. Renewed March 11, 1939.

124,740. SAFETY-PAPER. Registered March 11, 1919. E. E. LLOYD PAPER CO., Chicago, Ill., a corporation of Illinois. Renewed March 11, 1939.

124,823. MATCHES. Registered March 18, 1919. THE DIAMOND MATCH CO., Chicago, Ill. Renewed March 18, 1939, to The Diamond Match Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

124,832. OVERALLS AND WORK CLOTHES IN ONE AND TWO PIECE GARMENTS. Registered March 18, 1919. ELOESSER-HEYNEMANN CO., San Francisco, Calif., a corporation of California. Renewed March 18, 1939.

124,876. SEEDS. Registered March 18, 1919. PITTMAN & HARRISON COMPANY. Renewed March 18, 1939, to E. L. Benzel, doing business as Pittman & Harrison Company, Sherman, Tex., successor.

124,877. SEEDS. Registered March 18, 1919. PITTMAN & HARRISON COMPANY. Renewed March 18, 1939, to E. L. Benzel, doing business as Pittman & Harrison Company, Sherman, Tex., successor.

124,930. BUTTER. Registered March 25, 1919. THE ISALY DAIRY COMPANY, Marion, Ohio, a corporation of Ohio. Renewed March 25, 1939.

125,854. OIL OR RUBBER TREATED RAIN-PROOF OVERCOATS. Registered June 17, 1919. UNITED STATES RUBBER COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 17, 1939.

125,980. PREPARED FLOOR-COVERINGS OF THE OILED-CLOTH TYPE. Registered July 22, 1919. THE CONGOLEUM COMPANY, Philadelphia, Pa. Renewed July 22, 1939, to Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York, assignee.

125,981. PREPARED FLOOR-COVERINGS OF THE OILED-CLOTH TYPE. Registered July 22, 1919. THE CONGOLEUM COMPANY, Philadelphia, Pa. Renewed July 22, 1939, to Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York, assignee.

126,032. A PRODUCT OF METHYL SALICYLIC ACID FOR TREATING CERTAIN EXTERNAL CONDITIONS AND IN ANTISEPTIC SURGERY. Registered July 22, 1919. LLOYD BROTHERS, Cincinnati, Ohio. Renewed July 22, 1939, to S. B. Penick & Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

126,264. PREPARED FLOOR-COVERINGS OF THE OILED-CLOTH TYPE. Registered August 19, 1919. THE CONGOLEUM COMPANY, Philadelphia, Pa. Renewed August 19, 1939, to Congoleum-Nairn Inc., Kearny, N. J., a corporation of New York, assignee.

126,268. POTATO CHIPS. Registered August 19, 1919. WILLIAM J. CROFT, Salem, N. H. Renewed August 19, 1939.

126,287. LADIES' AND MISSES' LEATHER, FABRIC, AND THE COMBINATION OF LEATHER AND FABRIC SHOES. Registered August 19, 1919. THE HELMING-MCKENZIE SHOE COMPANY. Renewed August 19, 1939, to The Krippendorf Dittmann Company, Cincinnati, Ohio, a corporation of Ohio, successor.

126,407. CERTAIN NAMED MACHINERY APPERTAINING TO THE TEXTILE INDUSTRY. Registered August 26, 1919. CURTIS & MARBLE MACHINE CO., Worcester, Mass., a corporation of Massachusetts. Renewed August 26, 1939.

126,458. CUTICLE-REMOVER IN LIQUID FORM AND LIQUID POLISH FOR THE NAILS. Registered August 26, 1919. NORTHAM WARREN CORPORATION, New York, N. Y., a corporation of New York. Renewed August 26, 1939.

LABELS

REGISTERED APRIL 11, 1939

52,755.—*Title:* OREGOLD. For Fancy Pears and Apples. BEAR CREEK ORCHARDS, Medford, Oreg. Published May 30, 1938.

52,756.—*Title:* BOYSTOWN KNITWEAR. For Knitwear. BENJAMIN B. BERGMAN, Boston, Mass. Published March 1, 1939.

52,757.—*Title:* BRACH'S 'OH-SO-GOOD' CIRCUS PEANUTS. For Peanuts. E. J. BRACH & SONS, Chicago, Ill. Published February 22, 1939.

52,758.—*Title:* 2 SEATER LOVE SEAT. For Love Seats. BURTON-DIXIE CORPORATION, doing business as Burton-Dixie, Chicago, Ill. Published December 2, 1938.

52,759.—*Title:* GENUINE NEW ENGLAND BAKED BEANS AND BROWN BREAD. For Baked Beans and Brown Bread. CAPE COD COOKS, INC., Middleboro, Mass. Published December 15, 1938.

52,760.—*Title:* CAPE COD COOKS. For Cheese Sauce for Welch Rarebit. CAPE COD COOKS, INC., Middleboro, Mass. Published December 15, 1938.

52,761.—*Title:* CAPE COD COOKS. For Codfish Pats or Cakes. CAPE COD COOKS, INC., Middleboro, Mass. Published December 15, 1938.

52,762.—*Title:* PUT-IN-IZE EYE-DROPS. For Eye Drops. A. C. CARLTON, doing business as The Put-inize Company, San Francisco, Calif. Published February 15, 1939.

52,763.—*Title:* PRIZE WINNER. For Bread. CENTRAL WAXED PAPER COMPANY, Chicago, Ill. Published March 6, 1939.

52,764.—*Title:* WHITE FLAG BLEACH. For a Bleach. PHILIP CHAMBERLAND, Lowell, Mass. Published January 14, 1939.

52,765.—*Title:* FINE FOOTWEAR. For Footwear. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published January 26, 1939.

52,766.—*Title:* DRINK COCA-COLA. For a Carbonated Beverage. THE COCA-COLA COMPANY, Wilmington, Del. Published February 15, 1939.

52,767.—*Title:* SUMOA. For Cocoanut Syrup. ERNEST DONOUGHER, doing business as E. Donougher Cocoanut Products Co., San Francisco, Calif. Published February 27, 1939.

52,768.—*Title:* FROSTCRAFT. For Frosted Foods. FROSTKRAFT PACKING CORPORATION, San Francisco, Calif. Published January 28, 1939.

52,769.—*Title:* FUL-O-TON. For a Family Medicine. FUL-O-TONE COMPANY, Houston, Tex. Published February 20, 1939.

52,770.—*Title:* FYRENE. For a Firefighting Device. ANDREW WARWICK GILLESPIE, Green Bay, Wis. Published February 21, 1939.

52,771.—*Title:* BABY VIRGINIA. For Fresh Grapes. A. GIOLITTI, Sanger, Calif. Published October 17, 1938.

52,772.—*Title:* RUM-'N-HONEY. For a Mixture of Smoking Tobacco. ALFRED GRUNOW, doing business as Private Blends Tobacco Company, Belleville, N. J. Published January 19, 1939.

52,773.—*Title:* ARCH IMPROVER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 6, 1938.

52,774.—*Title:* BEAUTIFUL AND SMART FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 29, 1938.

52,775.—*Title:* BOSTON STANDARD SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 9, 1939.

52,776.—*Title:* COLLEGE PALS. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 14, 1938.

52,777.—*Title:* EIGHT STAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published November 17, 1938.

52,778.—*Title:* EXQUISITE FOOTWEAR. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 2, 1938.

52,779.—*Title:* JACK SMITH COMPO FEATHERWEIGHT. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published November 9, 1938.

52,780.—*Title:* KAY'S ROYAL THRIFT-EES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 15, 1939.

52,781.—*Title:* MARCO POLO. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 5, 1939.

52,782.—*Title:* MAUDE MILLER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published January 25, 1939.

52,783.—*Title:* MEXICAN STYLE HUARACHES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 1, 1938.

52,784.—*Title:* MATRIX SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 22, 1939.

52,785.—*Title:* THE NEW YORKER. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 15, 1939.

52,786.—*Title:* SULCO PEDIC. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published December 23, 1938.

52,787.—*Title:* HUNTER BLENDED WHISKEY FIRST OVER THE BARS. For Blended Whiskey. HUNTER BALTIMORE RYE DISTILLERY, INC., Baltimore, Md. Published February 23, 1939.

52,788.—*Title:* HUNTER BLENDED WHISKEY. For Blended Whiskey. HUNTER BALTIMORE RYE DISTILLERY, INC., Baltimore, Md. Published February 23, 1939.

52,789.—*Title:* SELECTED EGGS. For Eggs. F. F. LOWENFELS & SON, New York, N. Y. Published October 15, 1938.

52,790.—*Title:* ROYALTY. For Automobile Tires. MARTIN CUSTOM MADE TIRES CORPORATION, New York, N. Y. Published January 3, 1939.

52,791.—*Title:* COLONIAL ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published February 15, 1939.

52,792.—*Title:* BUDGET PACK WITE-FLOS. For Bathroom Tissue. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published January 15, 1939.

52,793.—*Title:* BUDGET PACK WITE-FLOS. For Bathroom Tissue. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published January 15, 1939.

52,794.—*Title:* WITE-FLOS. For Embossed Paper Napkins. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published October 31, 1938.

52,795.—*Title:* BUDGET PACK WITE-FLOS. For Bathroom Tissue. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published January 15, 1939.

52,796.—*Title:* WITE-FLOS. For Waxed Paper. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published December 10, 1938.

52,797.—*Title:* MILLISOR BACTERIA TESTED POULTRY. For Bacteria Tested Poultry. ED MILLISOR, Columbus, Ohio. Published January 4, 1939.

52,798.—*Title:* CON MOORE. For Straight Bourbon Whiskey. C. P. MOORE, doing business as Con Moore, Arvada, Colo. Published February 1, 1939.

52,799.—*Title:* DEL-MOR. For Fresh & Canned Vegetables. CLINT MOORE, JR., doing business as Del-Mor Farms, Palm Beach, Fla. Published March 9, 1939.

52,800.—*Title:* NATIONAL BLINDS. For Blinds. NATIONAL VENETIAN BLIND CO., Los Angeles, Calif. Published February 1, 1938.

52,801.—*Title:* NEW USES FOR "YANKEE" HANDYMAN SCREW DRIVERS. For Bits, Chucks, Countersinks and Drills. NORTH BRO'S. M'F'G. CO., Philadelphia, Pa. Published February 27, 1939.

52,802.—*Title:* NORTHCOLITE. For House Paint Undercoat. NORTH JERSEY PAINT CO., INC., Wallington, N. J. Published February 27, 1939.

52,803—*Title:* INFANT FEEDING. For a Syrup Which May Be Used as a Carbohydrate Supplement to Milk for Infant Feeding. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published January 18, 1939.

52,804.—*Title:* ORACIN MOUTH WASH. For a Mouth Wash. S. PFEIFFER MFG. CO., St. Louis, Mo. Published February 23, 1939.

52,805.—*Title:* BELLE OF EIRE. For Tea. DANIEL REEVES, INC., New York, N. Y. Published March 4, 1939.

52,806.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Bunion Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 13, 1939.

52,807.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Callous Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 13, 1939.

52,808.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 13, 1939.

52,809.—*Title:* DR. SCHOLL'S SUPER-SOFT ZINO-PADS. For Soft Corn Pads. THE SCHOLL MFG. CO., INC., Chicago, Ill. Published March 13, 1939.

52,810.—*Title:* FIRST CHOICE POTATOES. For Potatoes. SOUTHERN KRAFT CORPORATION, New York, N. Y. Published October 31, 1938.

52,811.—*Title:* SPARKLING TABLETS. For Sugar. J. D. AND A. B. SPRECKELS COMPANY, San Francisco, Calif. Published February 10, 1939.

52,812.—*Title:* TENDER LEAF. For Tea Balls. STANDARD BRANDS INCORPORATED, New York, N. Y. Published February 28, 1939.

52,813.—*Title:* SOFT SPUN. For Toilet Tissue. STEVENS & THOMPSON PAPER COMPANY, Greenwich, N. Y. Published January 18, 1939.

52,814.—*Title:* HARVEST BREAD. For Bread. L. A. UNGLES, doing business as Ungles Baking Company, Des Moines, Iowa. Published February 17, 1939.

52,815.—*Title:* DEMADEX—A WELL-TIMED SOURCE OF DEXTROSE. For a Product Containing Dextrins, Maltose and Dextrose. UNION STARCH & REFINING COMPANY, Columbus, Ind. Published February 18, 1939.

52,816.—*Title:* WADHAMS COFFEE—REGULAR GRIND. For Coffee. WADHAMS & COMPANY, Portland, Oreg. Published January 3, 1939.

52,817.—*Title:* PERI SKIN REPAIRER. For a Toilet Preparation. J. L. WALLER, San Francisco, Calif. Published March 1, 1939.

52,818.—*Title:* MINATURE CACTUS GARDEN. For Cactus Seeds Planted in Special Soil. LILLIAN S. WINKLER, doing business as Guadalupe Cactus Nursery, El Paso, Tex. Published November 29, 1938.

52,819.—*Title:* H & R SKEWER KIT. For Skewer Kits. RUFUS MORGAN WOOTEN, doing business as H & R Skewer Kit Co., Fanwood, N. J. Published November 16, 1935.

PRINTS

REGISTERED APRIL 11, 1939

17,329.—*Title:* MYRINGITIS—AN IMPORTANT CLINICAL ENTITY. For a Medication for Ear Ailments. THE DOHO CHEMICAL CORPORATION, New York, N. Y. Published January 3, 1938.

17,330.—*Title:* PROTOPLASMIC POISON—PRESCRIBE AURALGAN IN PLACE OF PHENOL-GLYCERIN. For a Medication for Ear Complications. THE DOHO CHEMICAL CORPORATION, New York, N. Y. Published January 3, 1938.

17,331.—*Title:* AURALGAN—THE CASE AGAINST PHENOL-GLYCERIN. For a Medication for Ear Complications. THE DOHO CHEMICAL CORPORATION, New York, N. Y. Published January 3, 1938.

17,332.—*Title:* GATHER THE ROSE AND LEAVE THE THORN BEHIND. For Coffee. HILLS BROS., San Francisco, Calif. Published April 7, 1938.

17,333.—*Title:* NO MAN CAN MAKE A GOOD COAT WITH BAD CLOTH. For Coffee. HILLS BROS., San Francisco, Calif. Published May 17, 1938.

17,334.—*Title:* NO TREE FALLS AT THE FIRST STROKE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 8, 1938.

17,335.—*Title:* SHE KNOWS THE ART OF COFFEE-MAKING, TOO. For Coffee. HILLS BROS., San Francisco, Calif. Published November 29, 1938.

17,336.—*Title:* SHE UNDERSTANDS COFFEE-MAKING, TOO. For Coffee. HILLS BROS., San Francisco, Calif. Published November 15, 1938.

17,337.—*Title:* TOO KEEN AN EDGE DOES NOT CUT . . . TOO FINE A POINT DOES NOT PIERCE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 1, 1938.

17,338.—*Title:* WHEN THE FOX PREACHES, BEWARE OF YOUR GEESE. For Coffee. HILLS BROS., San Francisco, Calif. Published March 22, 1938.

17,339.—*Title:* THE WORTH OF GOOD IS NOT KNOWN BUT BY EXPERIENCE. For Coffee. HILLS BROS., San Francisco, Calif. Published February 22, 1938.

17,340.—*Title:* YOU CANNOT MAKE A WINDMILL GO WITH A PAIR OF BELLOWS. For Coffee. HILLS BROS., San Francisco, Calif. Published May 10, 1938.

17,341.—*Title:* HELP YOURSELF EVERYBODY. For Toasters. MCGRAW ELECTRIC COMPANY, Elgin, Ill. Published March 11, 1939.

17,342.—*Title:* MELLOW ROLL. For Chocolate Chewy Candy. MELLS MANUFACTURING CO., INC., Brooklyn, N. Y. Published January 27, 1939.

17,343.—*Title:* ARCH-COLLAPSE AND FOOT-STRAIN HEALTH SPOT SHOES MAINTAIN BOTH ARCH SUPPORT AND FOOT BALANCE NEARLY 20 TONS OF BLOOD. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published March 6, 1939.

17,344.—*Title:* PECAN SQUARE BAR. For Candy. PANGBURN COMPANY, Fort Worth, Tex. Published February 6, 1939.

17,345.—*Title:* FOR A HAPPY EASTER AND OTHER RED LETTER DAYS. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published March 4, 1939.

17,346.—*Title:* TIS-U-POCKERCHIEF. For Plain and Medicinal Impregnated Sheets of Tissue Paper. RAY ROSS, New York, N. Y. Published February 9, 1939.

17,347.—*Title:* NEW SUPER-SOFT DR. SCHOLL'S ZINO-PADS CUSHIONED WITH KUROTEX. For Corn Pads. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,348.—*Title:* NEW SUPER-SOFT DR. SCHOLL'S ZINO-PADS. For Callous Pads. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,349.—*Title:* NEW SUPER-SOFT DR. SCHOLL'S ZINO-PADS. For Bunion Pads. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,350.—*Title:* NEW SUPER-SOFT DR. SCHOLL'S ZINO-PADS. For Corn Pads. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published February 6, 1939.

17,351.—*Title:* TASTYKAKE. For Cup Cakes. TASTY BAKING COMPANY, Philadelphia, Pa. Published February 13, 1939.

17,352.—*Title:* LUNCH TIME. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published March 10, 1939.

17,353.—*Title:* RED ROSE. For Gasoline, Motor Oil and Kerosene. JOHN H. TUELL, doing business as The Guarantee Oil Company, Connersville, Ind. Published December 15, 1938.

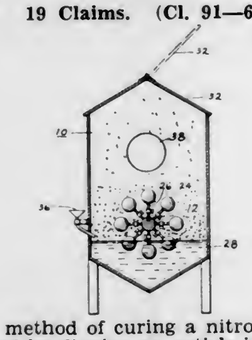
21,045

PROCESS OF AND APPARATUS FOR APPLYING NITROCELLULOSE COATING

Elvin M. Bright, Dayton, Ohio, assignor to John M. Wallace, Cincinnati, Ohio, trustee

Original No. 2,130,225, dated September 13, 1938, Serial No. 92,156, July 23, 1936. Application for reissue January 20, 1939, Serial No. 251,976

19 Claims. (Cl. 91—68)



1. The method of curing a nitrocellulose coating applied by dipping an article in a nitrocellulose solution including the steps of rotating the article through a circular path divided into three zones, the bottom zone containing a solution having an attraction for the solvent used in dissolving the nitrocellulose material, said nitrocellulose material being practically insoluble in said solution, the zone above the solution having a medium saturated with the fumes of the solvent and an air zone above the fume zone, the article being moved by cyclic rotation through the solution having an attraction for the solvent; into the fume zone; and then into the air zone so as to periodically subject the coating on the article to the effects of the fluids of the several zones.

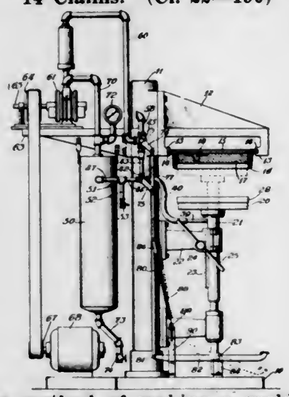
21,046

APPARATUS FOR PRODUCING MOLDS

Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois

Original No. 2,101,677, dated December 7, 1937, Serial No. 87,923, June 29, 1936. Application for reissue April 27, 1938, Serial No. 204,694

14 Claims. (Cl. 22—190)



10. The method of making a mold for casting purposes by the use of a container composed of a match plate having a pattern thereon and an open topped flask rim upstanding from such match plate and surrounding the pattern, which comprises filling such container with molding material to a level below the upper edge of the flask rim, and then, while holding the match plate and flask rim against movement relative to each other, simultaneously withdrawing the mold from contiguous engagement with the match plate and pattern and shearing its sides from the flask rim.

21,047

PROCESS OF MAKING FERRO-ALLOYS AND OF MAKING ALLOY STEELS FROM SUCH ALLOYS AND IN COMPOSITIONS FOR USE IN SUCH PROCESSES

Ben F. Hardesty, Scarborough, N. Y., assignor, by mesne assignments, to Ferro-Alloy Incorporated, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Original No. 2,071,339, dated February 23, 1937, Serial No. 586,699, January 14, 1932. Renewed January 13, 1936. Application for reissue February 21, 1939, Serial No. 257,769

11 Claims. (Cl. 75—54)

1. The process of making alloy steel which consists in adding to the steel in molten condition a mixture composed substantially of barium peroxide and barium carbonate, the amount of barium peroxide being substantially in excess of the amount of barium carbonate.

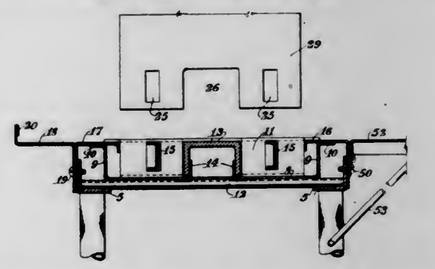
21,048

APPARATUS FOR SORTING PAPERS, CARDS, AND THE LIKE

Edwin S. Roscoe, Rochester, N. Y., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York

Original No. 2,055,364, dated September 22, 1936, Serial No. 614,180, May 28, 1932. Application for reissue October 23, 1937, Serial No. 170,679

18 Claims. (Cl. 129—16)



8. In a device of the class described, a support, a somewhat flexible guide rod and a rigid guide rest mounted in said support, and a plurality of guides mounted for swinging movement on said guide rod and said guide rest, portions of said guides in their positions of rest engaging the upper surface of the guide rest and the lower surface of the guide rod, said guides being provided with means engaging said support to establish the direction of inclination of said guides.

PATENTS

GRANTED APRIL 11, 1939

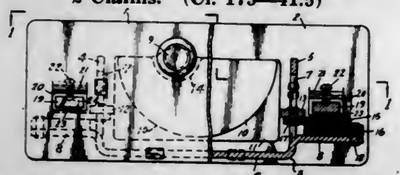
2,153,532

INSULATION FOR ELECTRICAL APPARATUS

Gerard A. Albert, Kennett Square, Pa., assignor to National Vulcanized Fibre Company, Wilmington, Del., a corporation of Delaware

Application July 2, 1935, Serial No. 29,452

2 Claims. (Cl. 175—41.5)



1. In a radio condenser consisting of a frame comprising a front plate, a rear plate and end plates connecting said front and rear plates, a rotary shaft journalled in said front and rear plates, a series of parallel conducting plates mounted on said shaft for rotary movement with said shaft, a series of stationary plates interspersed with said rotary plates, and means for mounting and insulating said stationary plates from the frame, said means consisting of a conducting plate connecting said stationary plates at opposite ends and extending through an aperture in the corresponding end plate, a second conducting plate secured to each end plate and extending parallel to the first conducting plate, and a plurality of laminations of insulating material disposed between the first and second conducting plates with the laminations parallel to said plates, whereby the resulting dielectric field between the stationary plates and the frame is substantially perpendicular to the laminations.

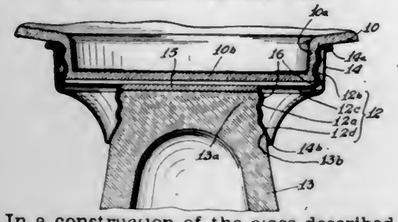
2,153,533

RESILIENT CONNECTOR AND SUPPORT FOR FRANGIBLE BODIES

Cortland W. Davis, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois

Application January 27, 1936, Serial No. 61,006

4 Claims. (Cl. 240—83)



1. In a construction of the class described, the combination of a frangible body having a support-engaging portion, a base having its upper end near and spaced from said support-engaging portion, and a single connecting device solely and resiliently supporting said body on said base and comprising a diaphragm in a plane crossing the axes of said body and said base and spaced members extending from the plane of said diaphragm and rigidly connected respectively with said support-engaging portion and said base to support said body on said base, said diaphragm being flat and free to flex between said members and having a substantial extent between said members making said diaphragm a shock-protecting support for said frangible body.

2,153,534

GAUGE FOR SETTING PRINTING PRESS CYLINDERS

Sherman E. Faught, New Orleans, La.

Application March 30, 1938, Serial No. 199,046

4 Claims. (Cl. 33—181)



1. A gauge for measuring the distance between a pair of rollers or cylinders comprising an elongated body of resilient material and having a chamber therein containing liquid, a sight gauge connected with one end of the body for receiving some of the liquid therefrom when the body is compressed and flexible metal plates connected with the sides of the body for contacting the cylinders.

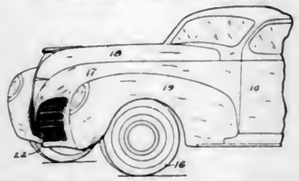
2,153,535

MOTOR VEHICLE CONSTRUCTION

Eugene T. Gregorie, Grosse Ile, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application July 12, 1938, Serial No. 218,835

6 Claims. (Cl. 180—69)



1. In an automobile body construction, an engine hood extending forwardly from said body, said hood comprising a pair of vertically extending side members joined at their forward ends to form a V-shaped compartment with their rearward ends extending diagonally outwardly so as to be aligned with the sides of said body, a triangular shaped lid hinged to said body so as to swing down over the top edges of said side members to complete said hood, a pair of wheel fenders having their forward ends joined together with their rear portions extending from

said side members to the outer edges respectively of the vehicle, a vertical section through each of said fenders taken parallel to the adjacent side members being of airfoil shape, and each of said fenders having a grille in its leading edge, said grilles extending from the center of the vehicle laterally substantially one-half the distance to the outer edge of the fender, and being aligned vertically with the high pressure zone of said airfoil section, said grilles together forming a horizontally extending air intake opening, an engine radiator disposed rearwardly of said grilles, and vertical shroud plates within each of said fenders which extend from the outer ends of each fender grille rearwardly along the respective sides of said radiator to the rear end of said hood.

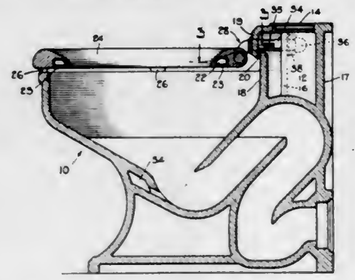
2,153,536

COMBINED HINGE AND FLOW VALVE

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application September 25, 1937, Serial No. 165,657

5 Claims. (Cl. 4—70)



1. In a defecator, the combination with a closet bowl having a flushing-water supply channel and seat means and therewith combined flush rim means, said flush rim means comprising a conduit having a plurality of outlet ports arranged to discharge against the side walls of the closet bowl, of combined seat-hinge and valve means effective to permit the flow of flushing water to the said flush rim means when the seat is in lowered position and to cut off the said flow when the seat is in raised position.

2,153,537

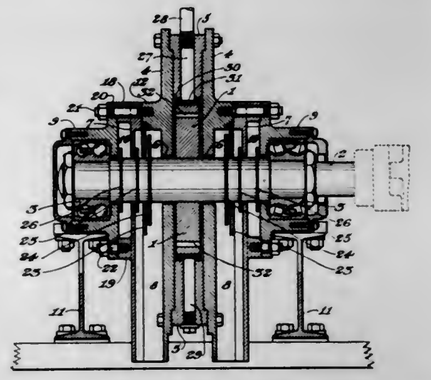
HOMOGENIZING APPARATUS

Sheldon B. Heath and Forest R. Minger, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application December 2, 1936, Serial No. 113,843

2 Claims. (Cl. 83—14)

1. In homogenizing apparatus, the combination of a cylindrical rotor axially mounted on a horizontal shaft, a stator concentrically disposed relative to said rotor and in closely spaced cooperating relation thereto, the peripheral face of said rotor and the inner face of said stator constituting the working faces thereof, said working faces being serrated by transverse grooves throughout the extent of their working areas, side plates laterally juxtaposed in closely spaced relation to said rotor and each having a central opening of slightly larger diameter than said shaft, through which openings the shaft passes, said stator and said side plates being assembled to form a casing for said rotor, an inlet in said stator, means to feed incoming material under pressure through said inlet into the working space between the stator and the rotor against the centrifugal pressure of the revolving rotor, discharge chambers for removal of product laterally disposed with respect to said side plates, said chambers communicating with the interior of the rotor casing through the shaft openings in said side plates.



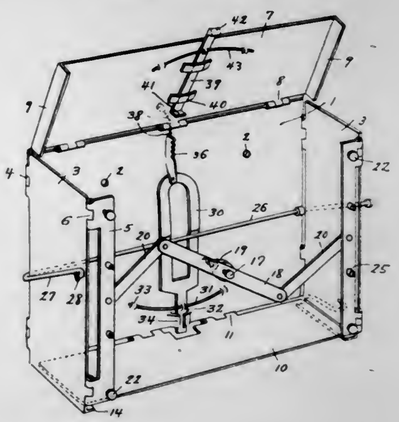
2,153,538

ARTICLE HOLDING FOLDABLE BOX

James Sylvester Innis, New York, N. Y.

Application July 5, 1938, Serial No. 217,576

4 Claims. (Cl. 220—6)



1. In a box of the class described, a rear member, end members hingedly connected to the ends of the rear member, flaps hingedly connected to the front edges of the end members, a bottom member hingedly connected to the lower edge of the rear member, a handle connected with the bottom member for swinging the same upwardly and downwardly, projections on the lower end of the end members forming rests for the bottom member, a front member having slots therein, studs carried by the flaps and entering the slots, a lever pivotally connected to the inner face of the front member, links connecting the ends of the lever with the flaps, bars connected with some of the studs of the flaps and located on the exterior face of the front member and latch means for holding the parts in folded position.

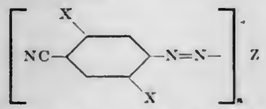
2,153,539

WATER-INSOLUBLE AZO DYESTUFFS AND FIBER DYED THEREWITH

Leopold Laska, Offenbach-on-the-Main, Arthur Zitscher, Kronberg in Taunus, and Rudolf Heil, Offenbach-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 11, 1937, Serial No. 158,619. In Germany August 12, 1936
8 Claims. (Cl. 260—176)

1. The water-insoluble azo dyestuffs of the following general formula:



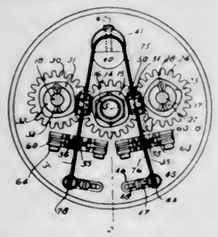
wherein *n* stands for one of the numbers 1 and 2, the X's stand for members of the group consisting of halogen, alkyl, alkoxy, phenoxy, trifluoromethyl, alkylsulfonyl and dialkylaminosulfonyl, and Z means the radical of a β-ketocarboxylic acid arylamide selected from the group consisting of radicals of the benzene, naphthalene and diphenyl series, yielding yellow to orange shades of good fastness properties, particularly of very good fastness to light.

2,153,540

TIMER

Leonard J. Armstrong, Port Richmond, Staten Island, N. Y.

Application December 21, 1936, Serial No. 116,984
9 Claims. (Cl. 200—27)



1. A timer comprising an arm having a pair of movable breaker points thereon disposed opposite one another, a pair of spaced apart stationary breaker points adjacent said movable breaker points, means for moving said arm to bring said movable breaker points alternately into and out of contact with said stationary breaker points, and a vibration dampener for said arm for resisting movement thereof laterally in opposite directions for dampening any independent vibratory motion thereof.

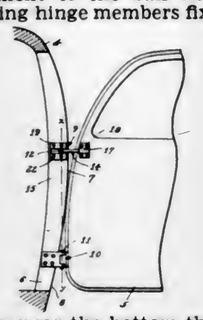
2,153,541

AUTOMOBILE DOOR HINGE

Seth B. Atwood, Rockford, Ill.

Application October 30, 1937, Serial No. 171,825
3 Claims. (Cl. 296—44)

1. In an automobile construction, door and body portions having curved outside surfaces, said body portion including a hollow door pillar, a concealed type ball-and-socket hinge constituting one of a pair of hinges for hingedly mounting the door on the body, and a pintle hinge constituting the other of said pair, the former comprising a socket member mounted in the pillar, and a horizontal angular gooseneck member terminating at one end in a ball head swivelled in a socket provided in the socket member, the other end of the gooseneck member being an attaching end and having means for securing the same to the door for rotary and horizontal endwise adjustment thereof for vertical and horizontal adjustment of the ball head, the pintle hinge comprising hinge members fixed to the door



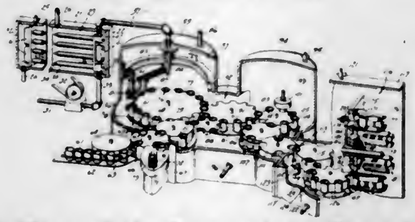
pillar and door near the bottom thereof and pivotally connected by a pintle located outside the body on a hinging axis which passes through the center of the ball and socket of the first-mentioned hinge, the hinging axis being partly inside the body and partly outside the same.

2,153,542

METHOD OF PROCESSING MILK PRODUCTS

Charles O. Ball, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 29, 1935, Serial No. 3,951
2 Claims. (Cl. 99—184)



2. The method of processing milk products which comprises treating the product at high temperature to store heat therein for subsequent sterilization, filling the heated product into cans and sealing the same within a surrounding atmosphere at high temperature and under pressure to prevent loss of stored heat from the product and to prevent boiling of the product, agitating the sealed cans in a surrounding atmosphere at high temperature and under pressure to obtain desired viscosity during a holding period while the stored heat in the cans completes the sterilization of the product, said surrounding atmosphere preventing loss of stored heat from the product and preventing straining of the cans during said holding period, and cooling the product within said filled and sterilized cans while continuing the agitation thereof.

2,153,543

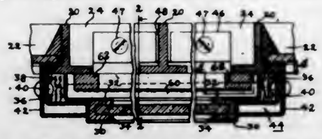
WINDOW

William D. Bayley, Springfield, Ohio, assignor to The William Bayley Company, Springfield, Ohio, a corporation of Ohio

Original application January 29, 1936, Serial No. 61,412. Divided and this application March 8, 1937, Serial No. 129,669
22 Claims. (Cl. 189—64)

1. A closure unit for a ventilating area of a window having transversely arranged members

bounding the ventilating area, said closure unit including a support and a movable glazed closure mounted in the support, said closure unit including a sheet metal frame assembly including a pair of juxtaposed members having flanges ex-



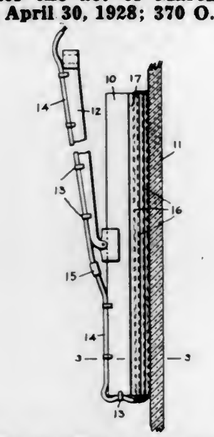
tending in directions normal to the plane of the glazing forming a channel supporting a yieldable contacting member for sealing the ventilating area when the closure unit is in closed position.

2,153,544

NONFREEZING WINDSHIELD WIPER

Harman B. Bell, Jr., United States Navy

Application March 18, 1938, Serial No. 196,671
1 Claim. (Cl. 15—250)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A windshield wiper for motor vehicles comprising a blade adapted to be moved over a portion of a windshield to provide clear vision therethrough and an electrical heating element passing at intervals through the material of said blade in opposite directions so that portions of said conductor extend at intervals along opposite sides of said blade, said heating element being connected with a source of electric energy for melting ice and snow on said windshield.

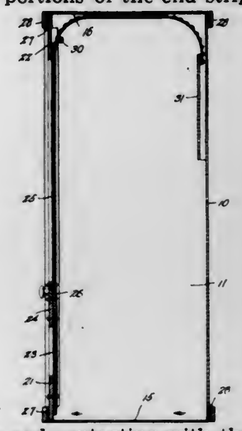
2,153,545

RECEPTACLE

Irving Blechman, Bronx, N. Y.

Application November 6, 1936, Serial No. 109,531
2 Claims. (Cl. 312—144)

2. In a receptacle, a hollow body structure of lightweight material having a rear wall portion, forwardly directed side wall portions and inwardly directed front wall portions carried by the forward edges of the side wall portions, said front wall portions having spaced free inner edges, a longitudinally slidable closure, a rigid frame therefor comprising transverse end strips and side stiles, said side stiles being formed with inner and outer longitudinal grooves for respectively guiding the sliding closure and for receiving the free inner edges of the front wall portions, said side stiles also having recessed end portions defining seats for receiving therein the transverse end strips which protrude therebeyond, and reenforced end members telescopically engaged over the opposite ends of the body structure and the protruding portions of the end strips of the clo-



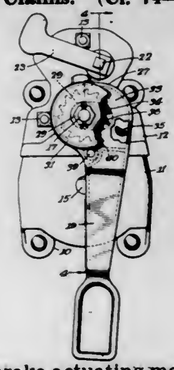
sure frame and contacting with the ends of the side stiles thereof for retaining the front wall portions in the outer grooves of the frame and confining the frame therebetween.

2,153,546

HAND BRAKE ACTUATING MECHANISM

Percy B. Camp, Maywood, Ill., assignor to Universal Draft Gear Attachment Co., a corporation of Illinois

Application July 29, 1936, Serial No. 93,217
12 Claims. (Cl. 74—505)



1. In hand brake actuating mechanism, in combination, a winding drum, a power shaft in gear connection with the drum, a ratchet wheel mounted on the shaft, a normally pendant lever pivotally mounted on the shaft adjacent to the wheel, its bearing thereon being elongated substantially transversely to the portion of the lever in which it is located, a pawl carried by the lever and positioned to engage the wheel as the bearing of the lever on the shaft is shifted by gravity on the swinging of the lever about the shaft as a center.

2,153,547

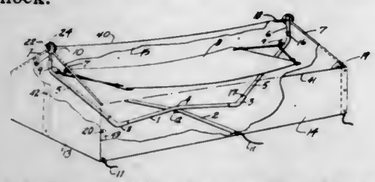
HAMMOCK TENT AND SUPPORT THEREFOR

Elliott Charlop and Nathan George Horwitt, New York, N. Y.

Application December 3, 1936, Serial No. 113,978
10 Claims. (Cl. 135—1)

1. In a device of the character described, a substantially U-shaped frame having a resilient longitudinal base member bowed-up at its center

with its ends adapted to rest on the ground, a resilient substantially upright member extending from each end of the base member, a transverse member pivotally attached to the base member substantially at the center of the bowed-up portion of the base member for providing lateral support for the frame, and means at the upper portion of each upright member for holding a hammock.



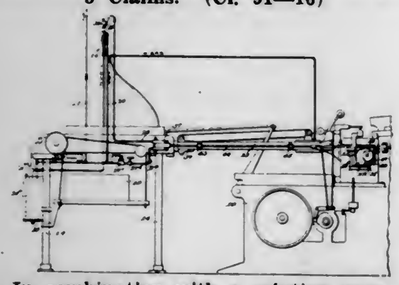
7. A tent comprising a supporting frame having an upright substantially at each end, a pair of inclinable rafters mounted at the upper part of each upright, a pair of roof parts extending between the pairs of rafters and attached thereto along the lengths of the rafters, said parts being joined to form a roof with a ridge when the rafters are inclined, and flexible resilient means for holding the roof under tension substantially along said ridge, attached at one end to the roof substantially at said ridge, the other end of said means being held by the frame.

2,153,548

SPRAYING APPARATUS FOR USE WITH PRINTING PRESSES

Alessandro D. Della Chiesa, New York, N. Y., and Louis P. Froehlich, East Rutherford, N. J., assignors, by mesne assignments, to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 11, 1936, Serial No. 68,344
5 Claims. (Cl. 91—16)



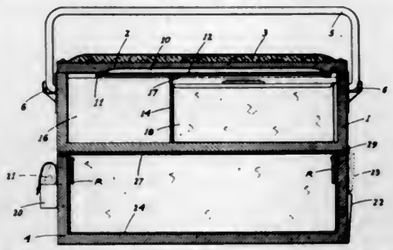
1. In combination with a printing press having a rotatable printing cylinder movable to a lowered operative printing position and to an inoperative non-printing position during the running operation of the press, means for delivering printed sheets to a stack, a spraying device for spraying a liquid substance upon the respective printed sheets after they leave the delivery means, and means operable only when said printing cylinder is moved to printing position for intermittently operating said spraying device in timed relation to the operation of the printed sheet delivery means, said means comprising a member operatively associated with the printing cylinder for movement therewith to operating and non-operating positions when the cylinder is respectively moved to operative and non-operative positions, and means so operatively associated with the spraying device and so located in respect to said member as to operate the spraying device and be operated by said member when said member is in operative position.

2,153,549

COMBINATION BAIT AND TACKLE BOX

Albert E. Cooper, Tracy, Calif.

Application July 16, 1937, Serial No. 153,967
4 Claims. (Cl. 43—31)



1. A tackle box for fishermen comprising an open topped box, an unbroken hinged closure member for the box, a metallic bait can removably disposed in the box in close engagement, a flat closure plate for the can, and means removably mounting the plate on the can and in position below the plane of the inner surface of said closure member when closed whereby to permit unrestricted closure of said member.

2,153,550

GOLF SHAFT

Robert Alan Cowdery, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application January 28, 1937, Serial No. 122,836
9 Claims. (Cl. 273—80)



1. A golf club shaft having substantially flattened side walls on two opposite sides in two longitudinally spaced regions intermediate the club head and grip supporting shaft end portions, and said shaft having its walls substantially unflattened intermediate said regions, the flattened sides in one of said regions extending generally at right angles to the flattened sides in the other of said regions.

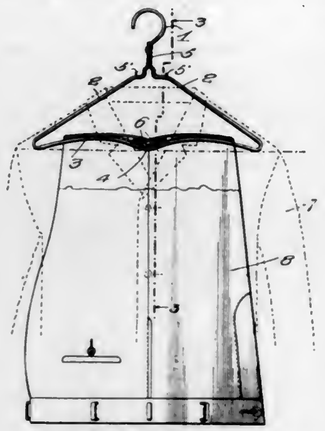
2,153,551

GARMENT HANGER

Hyman Diener, Washington, D. C.

Application September 24, 1937, Serial No. 165,580
2 Claims. (Cl. 223—88)

1. A garment hanger comprising a suspension member, garment shoulder supporting members downwardly diverging from said suspension member, a trouser supporting cross bar intermediate the lower ends of the shoulder supporting members, the trouser supporting cross bar having a depression formed at the central portion thereof for receiving the trouser side seams, and being



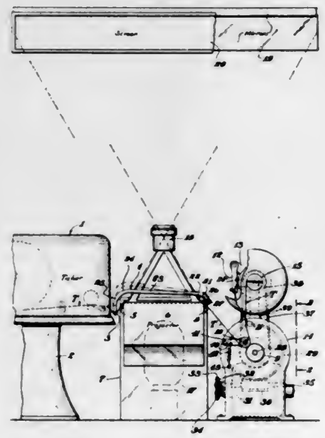
upwardly curved at opposite sides of the said depression, the hanger being formed of material of such resiliency that the weight of a garment on said shoulder supporting members flexes the trouser supporting cross bar upwardly.

2,153,552

TAPE FEED CONTROLLING MECHANISM

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Application October 12, 1933, Serial No. 693,248
Renewed July 7, 1938
22 Claims. (Cl. 271—2.3)



1. The combination with a feed for intermittently discharging tape, of means including a roller for pulling the tape across the light aperture of a projection machine as it is discharged by said feed, and means adapted to deflect a loop of the tape out of its normal path of movement into tape pulling engagement with said roller but yieldable to clear said roller when said feed comes to rest.

2,153,553

POLYMERIZATION OF OLEFINS

Eric William Fawcett, Reginald Oswald Gibson, and Michael Willcox Perrin, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 2, 1937, Serial No. 123,722. In Great Britain February 4, 1936
10 Claims. (Cl. 260—94)

1. A process for producing polymers from ethylene which comprises subjecting ethylene to a pressure above about 500 atmospheres and a temperature above about 100° C.

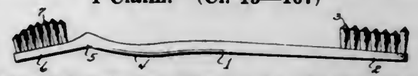
7. A polymer from ethylene which is a tough solid at normal temperatures, has a melting point from about 100° C. to about 120° C., corresponds in composition substantially to $(CH_2)_x$, and has a molecular weight of at least 6,000.

2,153,554

TOOTH BRUSH

Stephen F. Fitzgerald, Pittsburgh, Pa.

Application February 16, 1937, Serial No. 126,053
1 Claim. (Cl. 15—167)



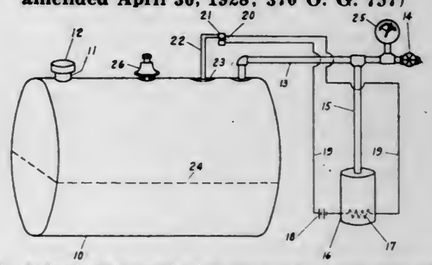
A tooth brush comprising a handle that is substantially flat and straight for the major portion of its length and having a tapered curved end portion thickened at its outer end, a relatively short head portion formed on the thickened outer end and being of substantially oval shape in outline, said head portion being substantially flat and disposed at an outward inclination with respect to the curved end portion, tufts of bristles secured to the head portion in transverse row formation, the number of the tufts in the rows decreasing from the inner end of the head portion to the outer end thereof, with a single tuft at the outer end, the length of the tufts decreasing from the row next to the innermost row, and the tufts of the latter row being shorter than the tufts of the row adjacent thereto for cooperation with the remaining rows to provide a substantially curved brushing surface disposed downwardly from the inner end of the head portion to the outer end thereof, when the handle is held on a horizontal plane with the tufts projecting uwardly.

2,153,555

GASOLINE STORAGE TANK EXPLOSION-HAZARD ELIMINATING DEVICE

Daniel V. Gallery, United States Navy

Application December 15, 1936, Serial No. 115,937
7 Claims. (Cl. 220—85)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A fuel tank explosion-hazard eliminating device including a tank, a container for solidified

inert gas connected to the fuel tank, means operated by a vacuum within said tank controlling the flow of inert gas into the tank, said means comprising a diaphragm operated switch fitted on the fuel tank and means operated by said switch for accelerating flow of inert gas from the container to the tank.

2,153,556

RATCHET AND PAWL MECHANISM

Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 25, 1938, Serial No. 210,003

10 Claims. (Cl. 74—577)



1. In a ratchet and pawl mechanism, in combination, a ratchet ring, a pawl carrier arranged within said ratchet ring, pawls pivotally mounted on said pawl carrier and engageable with the teeth of said ratchet ring, and plungers mounted on said pawl carrier and yieldingly pressed into engagement with said pawls for yieldingly urging the latter into engagement with the ratchet teeth, said plungers having locking projections and said pawls having openings extending therethrough and within which said locking projections project..

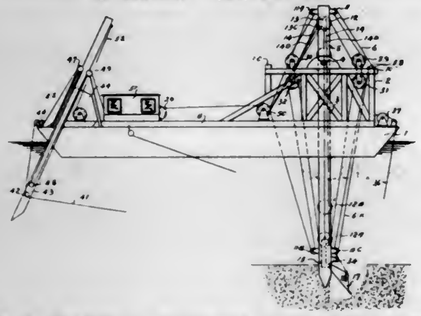
2,153,557

COMBINATION DREDGING, DRILLING, AND PILE-DRIVING EQUIPMENT

Joseph O. Grenier, Vancouver, British Columbia, Canada

Application July 29, 1937, Serial No. 156,394

8 Claims. (Cl. 37—71)



3. A dredging equipment, comprising, power means and a superstructure adapted for installation upon a floating equipment, guide members pivotally mounted in said superstructure, slidable leads mounted in said guide members and having means for vertical or angular adjustment within the pivoted guide members whereby said leads may be lowered vertically or angularly below the foundation line of said superstructure, a slidable head member mounted in said leads and having means for reciprocation therein, means for pivotally connecting a dredging bucket to said head member and means connected to said bucket and power means to cause said bucket to pivot upon said slidable head member and scoop up gravel and effect dredging operations when said slidable head member and pivoted dredging bucket are lowered in said leads to a river bed.

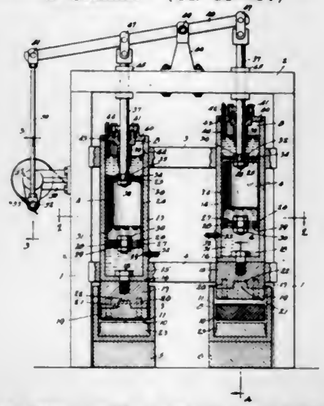
2,153,558

COUNTERBALANCED STAMP MILL

Roland M. Gruss, San Francisco, Calif.

Application March 9, 1936, Serial No. 67,853

2 Claims. (Cl. 83—57)



1. In a stamp mill, a stamp comprising a cylinder, a hollow piston slidable in the cylinder, the bottom of the piston being perforated, the bottom of the cylinder and the bottom of the piston receiving a fluid that traps a body of air in the top of the piston, a cover closing the top of the cylinder and having an integral sleeve extending down into the cylinder, a piston rod for the piston and being slidably received in the sleeve, the portion of the cylinder immediately above the piston top receiving a fluid that immerses the inner end of the sleeve and traps a second body of air in the top of the cylinder, and means for reciprocating the piston rod for reciprocating the stamp.

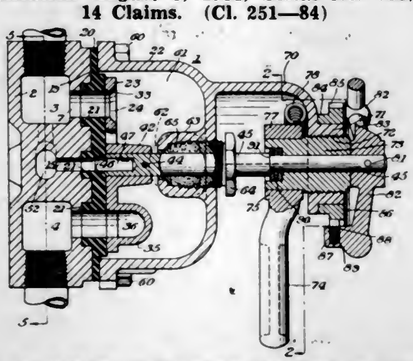
2,153,559

VALVE

Walter H. Hendricks, Oakmont, Pa., assignor to Wm. B. Scaife and Sons Company, Oakmont, Pa., a corporation of Pennsylvania

Application August 8, 1934, Serial No. 738,977

14 Claims. (Cl. 251—84)



1. In a valve of the class described, in combination: a valve base member; a flexible gasket on said base member expansible by fluid pressure in the valve and having a free flat face, said base member and gasket being provided with aligned ports, and said gasket being provided with tubular projections, forming continuations of its ports, extending into the ports in said base member, and a movable valve member provided with ports adapted to cooperate with the ports in said base member and gasket, said movable member having a flat face adapted to seat on said gasket.

2,153,560

REAGENT AND PROCESS FOR TREATING PETROLEUM OILS

Paul R. Hershman, Chicago, Ill., assignor to Petro Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 7, 1934, Serial No. 729,480. Renewed November 18, 1936

15 Claims. (Cl. 196—4)

1. A method of desalting and demulsifying oils which comprises treating the oils with a composition prepared by mixing a reagent containing a naphthenic acid radical together with an aldehyde.

14. In a method of breaking petroleum emulsions, the step which consists in mixing with the emulsion a reagent comprising a formaldehyde liberating substance and a naphthenic acid soap dissolved in a solvent miscible with the emulsion.

2,153,561

COATING MACHINE

John M. Hothersall and George C. Reid, Brooklyn, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application June 24, 1937, Serial No. 150,174

14 Claims. (Cl. 91—46)

1. A machine for coating cans, comprising in combination a reservoir for holding a coating liquid, means for heating said liquid to a sterilizing temperature, a runway extending into said reservoir for guiding cans endwise into and through the heated liquid, said runway being twisted to rotate the cans on their longitudinal axes while they are in the liquid for uniformly spreading the same over the surfaces of the cans, an inclined continuation of said runway rising out of the reservoir for shifting the coated cans endwise into an inverted position to drain them of excess liquid, and a conveyor for propelling the cans therealong.

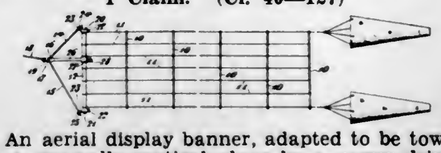
2,153,562

AERIAL ADVERTISING BANNER

Paul E. Hovgard, Bristol, Pa., assignor to Kellett Autogiro Corporation, Philadelphia, Pa., a corporation of Delaware

Application November 22, 1933, Serial No. 699,223

1 Claim. (Cl. 40—127)



An aerial display banner, adapted to be towed in a generally vertical plane by a power-driven aircraft, comprising a plurality of longitudinal stringers, rigid frame means including at the rear thereof a spreader spacing said stringers apart at the leading edge of the banner and including rigid rods connected to the ends of the spreader and converging forwardly therefrom and connected together at their converging ends at a point above the center of gravity of the frame, and a tow line connected to the frame at substantially the zone of convergence of said rods, whereby the leading edge of the banner is made more fully responsive to the changes in the relative direction of the tow line.

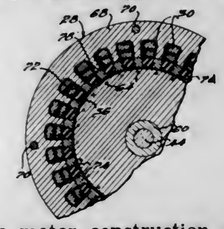
2,153,563

ELECTRIC MOTOR AND METHOD OF MAKING THE SAME

Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois

Application January 8, 1937, Serial No. 119,568

21 Claims. (Cl. 172—36)



1. Electric motor construction comprising an annulus of laminations of magnetic material forming an outer stator ring, an inner stator ring arranged within said outer stator ring, said rings being formed to provide an annular series of slots therebetween, said inner stator ring being formed of non-conducting material and laminations of magnetic material bonded together so as to form a gas-tight ring, said inner ring constituting a part of a gas-tight casing, a motor rotor arranged within said casing, and motor windings arranged in said slots and disposed externally of said casing.

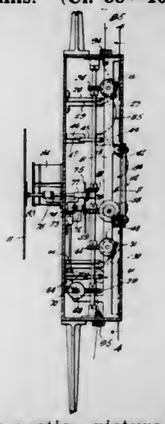
2,153,564

NATURAL COLOR CINEMATOGRAPHY

Shirley B. Hunt, Birmingham, Ala.

Application March 4, 1935, Serial No. 9,304

2 Claims. (Cl. 88—16.4)



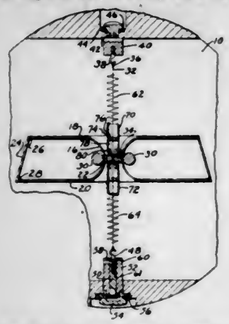
2. Natural color motion picture projecting apparatus of the character described comprising means for passing a film before projecting lens means, an apertured plate having aperture means registered with the lens means, a presser gate for pressing the film against the back of said apertured plate, means to feed said film between the

apertured plate and said gate to register picture means on the film with said apertures and with said lens means, said film including a plurality of longitudinal strips, said lens means including a projecting lens for each strip, and said apertured plate and said gate being formed with apertures and openings respectively registering with the lenses, and auxiliary shutter means interposed between said apertured plate and the projecting lenses and arranged to alternately cover and expose certain of said projecting lenses while never covering another of said lenses, said apparatus including a conventional shutter operating in front of the projection lenses.

2,153,565

MAGNETIC TYPE FLOATING COMPASS CARD

Max Isaacson, Dayton, Ohio
Application May 26, 1936, Serial No. 81,872
23 Claims. (Cl. 33—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an indicator, the combination with a magnetically controlled card and a support for said card, of centralizing means for said card comprising an open bearing carried by and having the opening thereof centrally and vertically disposed with respect to said card, a filament extending through said opening and tensioned to be vertically disposed and relatively rigidly connected with the housing of said compass, and means supported by said filament for yieldingly opposing vertical movement of said card from its normal central position.

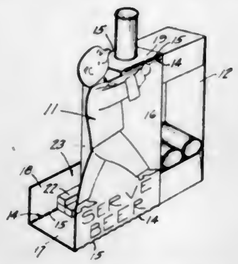
13. In a liquid damped magnetic compass, the combination with a magnetically controlled card and a support for said card, of centralizing means for said card comprising an open bearing carried by and having the opening thereof centrally and vertically disposed with respect to said card, a filament extending through said opening and tensioned to be vertically disposed and relatively rigidly connected with the housing of said compass, and magnetic means carried by the filament and the card for yieldingly opposing relative vertical displacements of said card and said filament while permitting relative freedom of rotation thereof.

2,153,566

DISPLAY STAND

Freeborn G. Jewett, Lake Forest, Ill., and Maurice V. Odquist, Hastings on Hudson, N. Y., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 4, 1936, Serial No. 83,544
1 Claim. (Cl. 211—73)

An advertising display stand adapted to be used in conjunction with a carton of articles to be advertised, said stand comprising a flat blank folded into substantially C-shape when in display position and including a front wall member of substantially the same dimension as a corresponding dimension of the carton to be displayed, rearwardly extending top and bottom wall members secured to said front wall and each of a dimension substantially conforming to another corresponding dimension of the carton to be displayed, and vertically extending rear wall mem-

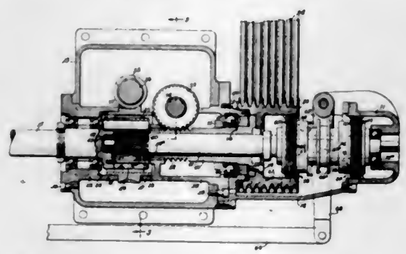


bers secured respectively to said top and bottom walls, all of said walls being set off by weakened lines to permit bending and adapted to closely embrace the corresponding wall portions of the carton to hold the latter against displacement relative to said display stand, said top wall being adapted to display an article contained in said carton in such manner as to constitute a part of a pictorial representation carried by said front wall member.

2,153,567

MACHINE TOOL DRIVING MECHANISM

John R. Johnson, Rockford, Ill., assignor to Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application June 12, 1936, Serial No. 84,845
9 Claims. (Cl. 74—283)

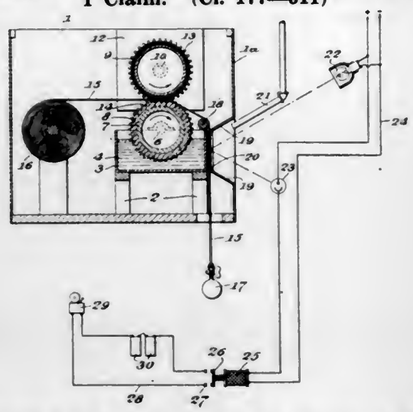


1. A driving mechanism for selectively imparting motions at different rates to a machine tool element from a single source of rotary power comprising, in combination, axially alined rotatable driving and driven elements, a planetary gearing having ring and sun gears and planet gears meshing with said ring and sun gears and rotatably supported on said driven element, a shaft carrying said sun gear, a clutch for connecting said driving element and said shaft, a sleeve surrounding said shaft and rotatable with said driving element, means providing a permanently engaged driving connection between said sleeve and said ring gear and arranged to effect rotation of said driven element at one of said rates when said sun gear is held against rotation, said driven element being rotated at said other rate when said clutch is engaged, and means for releasably holding said sun gear against rotation.

2,153,568

GAS DETECTION APPARATUS

Chester W. Johnson, South Weymouth, Mass., assignor to Inez L. Cragin, Chester W. Johnson, and Richard N. Dresser, as trustees
Application May 11, 1937, Serial No. 141,990
1 Claim. (Cl. 177—311)

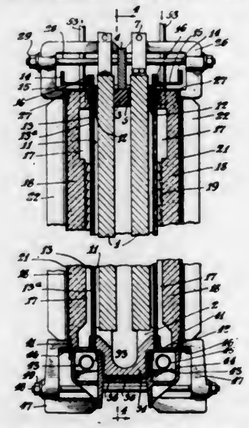


Apparatus for detecting the presence of dangerous gases comprising a light reflecting strip impregnated with a solution effective on reaction with such gases to substantially reduce the light reflecting property of the strip, a light source positioned in front of said strip to direct a beam of light diagonally against the front face thereof, a photo-electric cell also disposed in front of said strip and positioned in the path of the light beam reflected from said source by said strip, means to direct air which may contain a dangerous gas against the front of said strip substantially where the light beam strikes said strip, and indicating means controlled by said photo-electric cell.

2,153,569

ELECTROLYTIC CELL

Russell N. Jones and Greci G. Gomez, Johnsonburg, Pa., assignors to Castanea Paper Company, a corporation of Delaware
Application May 2, 1935, Serial No. 19,342
15 Claims. (Cl. 204—58)

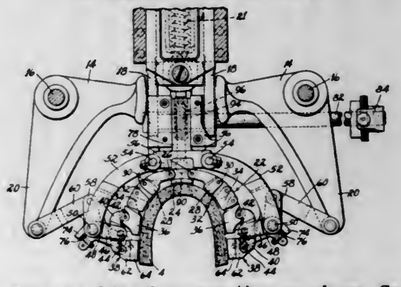


1. An electrolytic cell comprising a continuous arch extending substantially the length of the cell and having openings, an anode comprising a plurality of graphite slabs extending substantially the working height of the cell and through said openings, supports for said slabs, a cathode, and a diaphragm between said cathode and said graphite slabs, a sediment collecting trough in the bottom of said cell extending longitudinally of the same below said graphite slabs and means adjacent one end of said trough defining an outlet in which sediment accumulated in said trough may be removed without dismantling the cell.

2,153,570

MACHINE FOR OPERATING ON SHOES

Jacob C. Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 13, 1938, Serial No. 201,776
13 Claims. (Cl. 12—14.1)

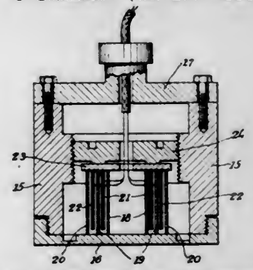


1. In a machine for operating on shoes, flexible clamping means arranged to extend around an end of a last to clamp an upper on the last, bell-crank levers associated respectively with the opposite end portions of said clamping means and mounted to swing about axes extending heightwise of the last to tighten said means about the end of the last by force applied thereto lengthwise of the last, said bell-crank levers being also mounted for bodily movements widthwise of the last to force the clamping means inwardly toward the sides of the last, and means for imparting such bodily movements and swinging movements to said bell-crank levers by force applied thereto in directions widthwise of the last.

2,153,571

VIBRATORY SYSTEM FOR THE TRANSMISSION AND RECEPTION OF SOUND WAVES

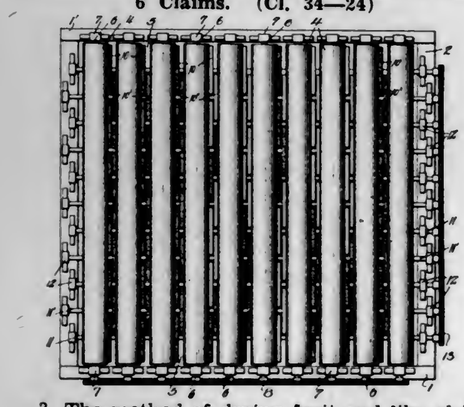
Friedrich Wilhelm Kallmeyer, Bremen, Germany, assignor to Atlas-Werke Aktiengesellschaft, Bremen, Germany
Application April 11, 1936, Serial No. 73,886
In Germany April 13, 1935
5 Claims. (Cl. 177—386)



1. A magnetostrictive transmitting and receiving device comprising a casing having a diaphragm at one end thereof, a plurality of cylinders mounted concentrically on said diaphragm with their axes at right angles to the radiating

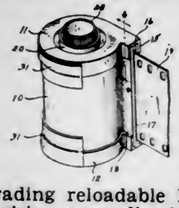
surface of the diaphragm, an abutment member and a plate upon which the abutment member bears, a plurality of coils mounted on said plate and means for adjusting said abutment member longitudinally of said casing, said coils being positioned to lie concentric with the cylinders mounted on said diaphragm.

2,153,572
METHOD AND APPARATUS FOR DRYING FRUIT AND THE LIKE
Mabry D. Kennedy and John Gordon Johnson, Orlando, Fla.
Application September 28, 1935, Serial No. 42,682
6 Claims. (Cl. 34—24)



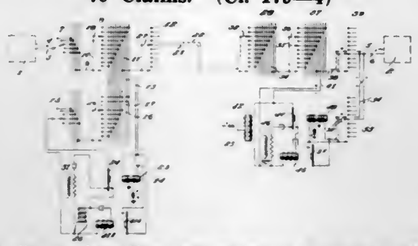
3. The method of drying fruit and like globular shaped articles comprising moving the fruit to be dried transversely of a plurality of rollers arranged to form fruit supporting grooves therebetween, contacting the surface of a fruit which is exposed while the fruit is in a groove with a rotating moisture absorbing medium, transferring the moisture from the exposed area of the fruit to the moisture absorbing medium and centrifugally displacing the absorbed moisture from said medium along a path below the fruit.

2,153,573
NONABRADING RELOADABLE CARTRIDGE
Donald H. Kinloch, Parlin, N. J., assignor to Du Pont Film Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application September 23, 1936, Serial No. 102,231
5 Claims. (Cl. 242—71)



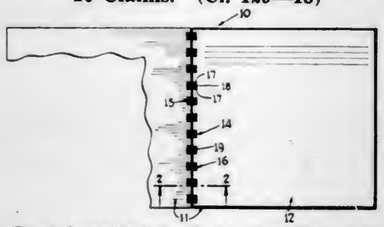
1. A non-abrading reloadable light-proof film cartridge comprising an unlined tubular casing provided with a straight longitudinal outwardly projecting slotted film guide having lips lined with light-excluding material; a removable and resealable cup shaped cap sealed over each end of said casing; said caps having portions fitting over said guide, said portions having inwardly projecting members approximately the width of said slotted guide for holding said lips apart; and a roll of sensitized film carried by a spool provided with end flanges adapted to slidably fit and rotate in light excluding contact in said cartridge.

2,153,574
AUTOMATIC SWITCHING SYSTEM AND APPARATUS
Edward E. Kleinschmidt, Highland Park, and David S. Hulfish, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 13, 1929, Serial No. 413,838
Renewed July 25, 1932
79 Claims. (Cl. 179—4)



1. In combination, two stations, a central office, lines connecting said stations to said central office, automatic switches in said central office and controllable by either of said two stations and over which said stations may be connected for telephonic communication, and alternative automatic switches in said central office and controllable by either of said two stations and over which said stations may be connected, said alternative automatic switches containing telegraph apparatus.

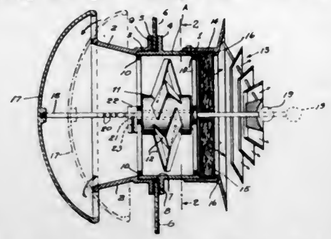
2,153,575
BOOK WITH EXCHANGEABLE LEAVES AND BINDING ELEMENT THEREFOR
Irving V. Kramer, Bronx, N. Y., assignor, by mesne assignments, to Fay Kramer, New York, N. Y.
Application May 9, 1935, Serial No. 20,543
10 Claims. (Cl. 129—18)



10. In a looseleaf book, a plurality of stacked leaves having spaced, similar, registering open slots at adjacent edges, said slots having elongated portions positioned parallel with said edges and portions interconnecting the parallelly positioned portions with said edges, and a binding element for said leaves made of a single, continuous elongated piece of resilient metal of uniform cross-section, and comprising a plurality of spaced interconnected coil portions, the convolutions of said coil portions being out of contact with one another and disposed within the parallelly positioned portions of said slots, the distance between adjacent coils being greater than the distance between adjacent convolutions of each coil.

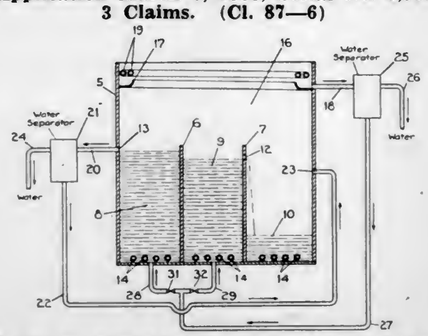
2,153,576
AIR SUPPLY DEVICE
Franz J. Kurth and Friedrich Honerkamp, New York, N. Y., assignors to Anemostat Corporation of America, a corporation of Delaware
Application October 27, 1936, Serial No. 107,762
5 Claims. (Cl. 98—39)

1. An air supply device of the character described comprising a hollow casing open at its ends, means for mounting said casing in a wall opening, an air-distributing device comprising a plurality of mutually spaced hollow flaring members at the inner end of said casing, a fan within said casing for producing a flow of air there-



through, a hood at the air inlet end of said casing to be adjusted toward and from said end to regulate flow of air through the casing, and means extending from said hood through the casing, and said air-distributing device to the inner end of said casing for adjusting said hood.

2,153,577
PROCESS OF DEGREASING
Arthur A. Levine, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 7, 1935, Serial No. 9,911
3 Claims. (Cl. 87—6)

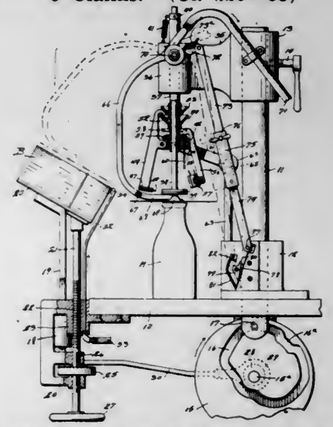


2. In an apparatus for degreasing metal articles, three contiguous compartments, the first compartment being adapted to contain a bath of trichlorethylene containing oleic acid dissolved therein, the second compartment being adapted to contain substantially pure trichlorethylene, and the third compartment being adapted to contain trichlorethylene in which is dissolved the greater part of those impurities removed from the metal articles which have been degreased in said first two compartments, means for withdrawing trichlorethylene and water floating thereupon from said first compartment, means for separating the trichlorethylene from the water, and means for returning the separated trichlorethylene to said third compartment.

2,153,578
PRODUCTION OF ACETALDEHYDE FROM GASES CONTAINING ACETYLENE
Friedrich Lieseberg, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application June 2, 1936, Serial No. 83,069. In Germany June 12, 1935
2 Claims. (Cl. 260—605)

1. In the production of acetaldehyde from gases containing up to about 20 per cent of acetylene by means of an acid solution containing mercury compounds the step which comprises leading the gas to be treated through the reaction vessel in the same direction as the catalytic liquid, withdrawing the latter from the upper part of the reaction vessel, saturating it with mercury compounds and returning it to the lower part of the reaction vessel.

2,153,579
BOTTLE COVERING AND SEALING MACHINE
Wilber L. Long, Kirksville, Mo.
Refiled for abandoned application Serial No. 31,543, July 13, 1935. This application January 25, 1938, Serial No. 186,883
9 Claims. (Cl. 226—83)

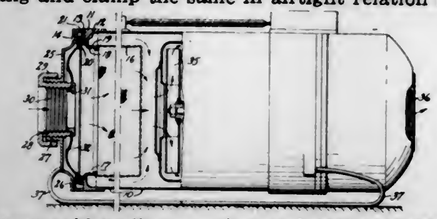


1. A bottle covering and sealing machine including a bottle support, means for automatically feeding a sheet of waxed paper into position over the top of the bottle, a plurality of segmental sheet folding means normally held in expanded position above the bottle, a plurality of segmental heating devices normally held in an expanded position above the bottle, a plunger normally disposed above the top of the bottle, means for causing the descent of the plunger to thereby cause the plunger to engage the sheet with the top of the bottle, means for causing the inward movement and descent of the segmental sheet folding means to thus fold the margin of the sheet down and around the bottle and hold it in tight engagement therewith and hold the folds in engagement with each other, and means then acting to force inward and lower said heating members into contact with the sheet to thus soften the wax on said sheet and cause the folds to adhere to each other.

2,153,580
VACUUM CLEANER
Erik Sigfrid Lynger, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 9, 1935, Serial No. 44,143
In Germany October 11, 1934
5 Claims. (Cl. 183—51)

1. In a vacuum cleaner, a casing formed with an opening, means forming a seat adjacent to said opening, a ring, a dust separating member secured to said ring, an openable cover member securable to said casing for substantially closing said opening, said dust separating member being insertable through said opening when said cover

member is open, an air impervious sealing member provided with an air inlet and carried by said cover member and adapted to engage said ring and clamp the same in airtight relation be-



tween said sealing member and said seat when said cover is closed, said sealing member preventing flow of air from between said cover member and said casing to said dust separating member.

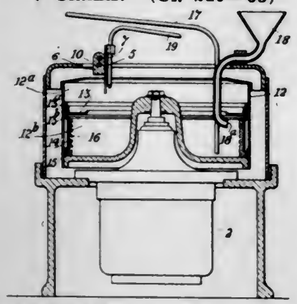
2,153,581

CENTRIFUGAL FILTER AND SEPARATOR

James Hill Millar, Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England

Original application June 6, 1935, Serial No. 25,216. Divided and this application March 18, 1936, Serial No. 69,502. In Irish Free State June 22, 1934

7 Claims. (Cl. 210—63)



1. A centrifugal filter and separator for use in the manufacture of food extract from brewer's yeast, comprising a centrifuge bowl, driving means therefor and collecting means for the filtered liquid, said bowl comprising a container, an internally projecting annular plate thereon in spaced relationship to the wall of said container, a cylindrical gauze member depending from said plate in spaced relationship to the said wall, and a filter pulp of asbestos and cellulose supported on said gauze, and said collecting means comprising a conduit located above said plate and having a mouth of elongated cross section with sharp leading and trailing edges adapted to be immersed in the spinning filtered liquid with the major axis lying substantially in the direction of movement of the liquid.

2,153,582

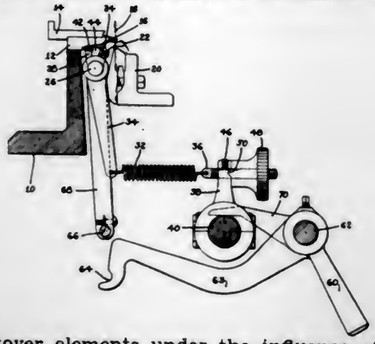
KNITTING MACHINE

Max C. Miller, Cumberland, R. I.

Application February 12, 1935, Serial No. 6,168

11 Claims. (Cl. 66—109)

7. In a flat full-fashioned knitting machine, the combination with yarn feeding and knitting devices including a press edge, a series of needles movable en masse horizontally and vertically with relation thereto, and a series of sinkers, of a series of knockover elements supported thereon, supporting means for said knockover elements to permit movement thereof downwardly with the needles between extreme high and resilient low knockover positions, spring means acting normally to position the yarn engaging surfaces of the knockover bits closely adjacent the sinkers arranged to permit a downward movement of the



knockover elements under the influence of the yarn kinked thereon against said spring tension at the time of knockover, and manually operable means for moving said knockover surfaces to a predetermined low position against the pressure of said spring means.

2,153,583

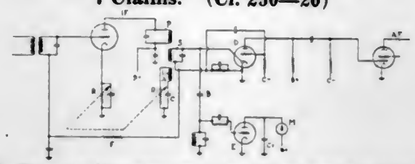
HIGH FIDELITY RADIO RECEIVER

Andrew P. Montgomery, Narberth, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 8, 1935, Serial No. 20,473

In Great Britain May 14, 1934

7 Claims. (Cl. 250—20)



5. In a radio receiver, an inter-stage coupling device comprising a primary circuit and a secondary circuit coupled together to form a signal transfer path, means for supplying signal energy to said primary circuit, means for deriving an output signal from said secondary circuit, said circuits being individually tuned to the same frequency and the coupling being not greater than critical coupling and thereby causing said signal path to have a sharp selectivity characteristic, and frequency-selective energy-absorbing means for decreasing the selectivity of said transfer path by selectively absorbing energy therefrom, comprising a third circuit tuned to said frequency and coupled to one of said circuits in said path and including a variable energy-dissipating resistance.

2,153,584

ADHESIVE

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 18, 1936, Serial No. 85,961. In Great Britain June 24, 1935

3 Claims. (Cl. 260—6)

1. An adhesive for use with films, foils, sheets and other articles made of compositions having a cellulose derivative basis, which comprises gelatine, a sugar and a methylene citric acid-glycerol resin, the weight of the sugar and resin together being 10–18 times the weight of the gelatine.

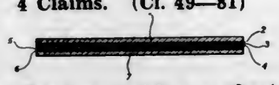
2,153,585

LAMINATED GLASS

William Henry Moss, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

Original application March 4, 1936, Serial No. 67,149. Divided and this application February 4, 1937, Serial No. 124,027. In Great Britain March 13, 1935

4 Claims. (Cl. 49—81)



1. Safety glass comprising a sheet of glass coated with a layer of gelatin and a sheet of cellulose-derivative plastic bonded to said gelatin by means of a water-soluble condensation product of a polyhydric alcohol with a compound selected from the group consisting of citric acid, tartaric acid, methylene citric acid and acetyl citric acid.

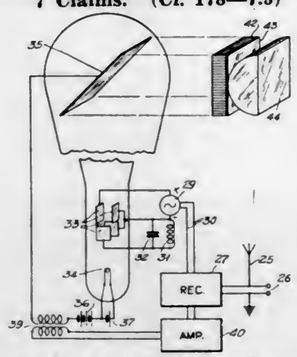
2,153,586

RADIATING, TRANSFORMATION AND REINFORCEMENT SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware

Application March 20, 1934, Serial No. 716,508

7 Claims. (Cl. 178—7.5)



1. A co-ordinate scanning system comprising means for producing a scanning beam having a greater traversing velocity at the mid portion of each traversing path than at the end portions thereof, said scanning beam containing visible light rays having the same variations in velocity, and stationary optical means comprising a plano-convex lens through which said light beam is observed, said optical means serving to increase the apparent scanning velocity of said light rays at the end portions of each traversing path of said beam to substantially compare with the velocity of said rays at the mid portion thereof.

2,153,587

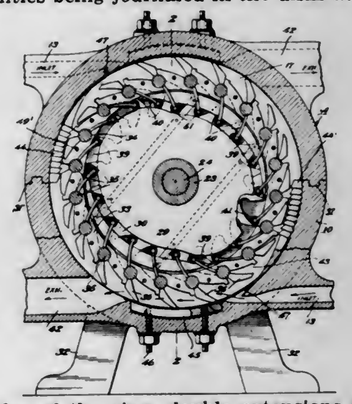
FLUID OPERATED MOTOR

Floriano Parreira, Guarulhos, Brazil

Application January 30, 1937, Serial No. 123,302

3 Claims. (Cl. 121—93)

1. A motor of the kind described comprising a stationary casing forming a chamber, a rotary shaft journaled in the casing and centrally of said chamber, a hub fixed in the casing about the said shaft, spaced cams on the hub and each having a cam groove, rotatable disks fixed to the said shaft and within the chamber outwardly of the cam and having interfitting connections with the said casing at their sides and peripheries, a sectional pivot ring concentrically about the cams and separably fitted with the said disks, said pivot ring being of less diameter than the disks for the insetting of its outer periphery relative to the outer peripheries of the said disks and having pintle openings and vane seats intercommunicating with each other, vanes interfitting the casing and working within the said seats and having pintles fitting the pintle openings in said ring, the said pintles being journaled in the disks at oppo-



site sides of the ring, double extensions formed with the pintles and having connection with the cam grooves in the said cams, a pair of inlet leads arranged at diametrically opposite points in said casing for communication with the chamber, a pair of exhaust leads communicating with the chamber and arranged diametrically opposite each other between the inlet leads, and retarders within the chamber for coaction with the vanes between the intake and exhaust leads.

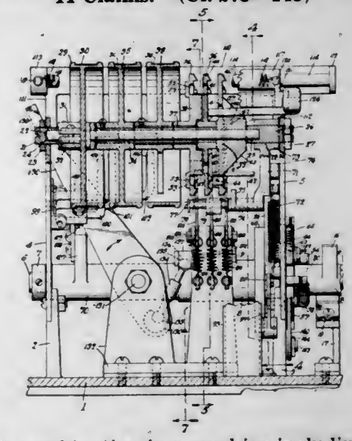
2,153,588

COIN OPERATED MACHINE

William G. Peters, Chicago, Ill., assignor to Richard Groetchen, Chicago, Ill.

Application January 13, 1936, Serial No. 58,910

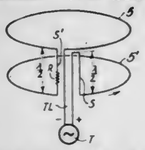
11 Claims. (Cl. 273—143)



1. In combination in a machine including a plurality of wheels positioned side by side, a movable mounted carriage, means for setting said wheels in motion simultaneously and for stopping them successively, means for moving said carriage, means for returning said carriage, a member carried by said carriage adapted to contact said

wheels, the return movement of said carriage being determined by the position assumed by said wheels upon being stopped, said wheels being perforated, the said member carried by said carriage adapted to penetrate one or more of said wheels when the perforations of said wheels are in line with said member.

2,153,589
ANTENNA
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1936, Serial No. 80,498
8 Claims. (Cl. 250—33)

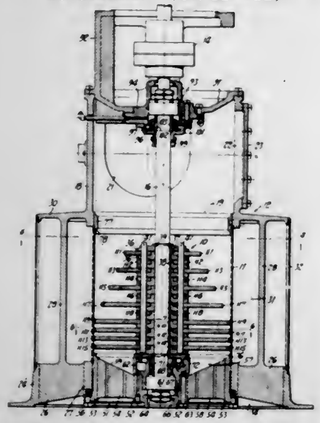


1. An antenna system for transmitting horizontally polarized waves comprising a radiating conductor in the form of a circle whose diameter is equal to

$$\frac{2\lambda}{\pi}$$

where λ is the length of the communication wave, said conductor having uniformly distributed inductance and capacitance and being located in the horizontal plane, and means for energizing said conductor and preventing the formation of standing waves thereon.

2,153,590
DISINTEGRATOR
Carl A. Rietz, San Francisco, Calif.
Application September 21, 1935, Serial No. 41,517
10 Claims. (Cl. 83—11)

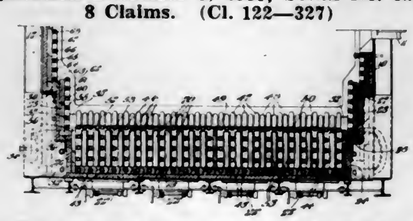


1. In a disintegrater, a rotor mounted upon a vertical axis and provided with a plurality of spaced hammers, whereby the zone of operation of the hammers is of substantially vertical extent, a substantially cylindrical shaped screen substantially entirely embracing said zone of operation, a housing serving to support the rotor and said screen, said housing being formed to provide an inlet opening at the upper end of the screen for feeding material to be disintegrated to the upper end of said zone of operation, said housing being also formed to provide an annular outlet opening at the lower end of the screen for delivering material passed by the screen, and an annular structure disposed below the rotor and surrounded by said outlet opening, said structure being formed to provide a tramp iron receiving chamber extending below said zone of operation.

2,153,591
PROCESS FOR THE PRODUCTION OF SALTS OF β-METHYLCHOLINE AND ACYL DERIVATIVES THEREOF
Georg Roeder, Rahway, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 30, 1937, Serial No. 123,154
9 Claims. (Cl. 260—482)

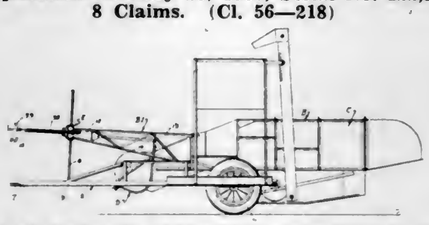
1. The step in a process for the production of salts of β-methylcholine and its acyl derivatives, which salts are stable and may be purified comprising reacting propylene oxide with trimethylamine.

2,153,592
STEAM BOILER
Josiah H. Rohrer, Philadelphia, Pa.
Application December 3, 1935, Serial No. 52,635
8 Claims. (Cl. 122—327)



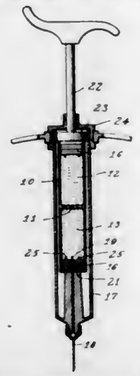
1. In steam boilers, means defining a combustion chamber having walls, a drum on each side of the chamber, a single upper drum, pipes connected to the side drum and forming a longitudinal wall of the combustion chamber, supplemental pipes connected to each side drum in a plurality of rows in front of a transverse wall of said chamber, each row and its connection to the drum lying substantially in a plane perpendicular of the drum, the respective rows and planes being spaced longitudinally of the chamber.

2,153,593
IMPLEMENT FRAME ADJUSTING DEVICE
Martin Ronning, St. Louis Park, Minn., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application January 29, 1937, Serial No. 122,988
8 Claims. (Cl. 56—218)



1. A device for adjustably connecting a tiltable implement frame with respect to a draft member comprising, a holder tiltably carried by the frame and having two pairs of gripping blocks, a bar extending from the draft member and between the blocks of each pair, a pair of levers, one lever for each pair of blocks, to exert pressure thereon, and a spring actuated device connected to both of said levers for holding them under block gripping tension.

2,153,594
HYPODERMIC SYRINGE AND CARTRIDGE THEREFOR
Jacob A. Saffir, Rockford, Ill., assignor to Multiple Corporation, Chicago, Ill., a corporation of Illinois
Application June 25, 1934, Serial No. 732,241
10 Claims. (Cl. 128—220)



1. A hypodermic syringe having a hypodermic needle and a tubular cartridge provided with a plurality of medicament containing chambers sealed from one another each permanently closed at one end and having a pierceable closure at the opposite end, each of said closures being pierceable by the hypodermic needle while maintaining the seal between the chambers, whereby to permit of selective ejection of the medicament contents of the several chambers for hypodermic injection of said medicament through the needle.

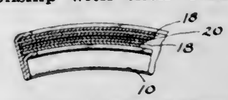
2,153,595
ILLUMINABLE FIXTURE
Francis H. Scantlebury, Brooklyn, N. Y.
Application January 5, 1938, Serial No. 183,445
23 Claims. (Cl. 40—130)



1. An illuminable fixture, comprising a panel supporting holder, a plurality of stepped hyaline panels having illuminable indicia and mounted therein to afford successive illuminable display areas when viewed from the front of the holder, each area being provided with an opaque backing, and said panels being located respectively in contiguous parallel planes and with their respective display areas displaced relatively to one another and with a corresponding edge of each panel exposed, and a source of light associated with the panels in the holder for providing illumination of the illuminable display surfaces of said panels by internal reflection of the light rays from said source entering through the said exposed edges.

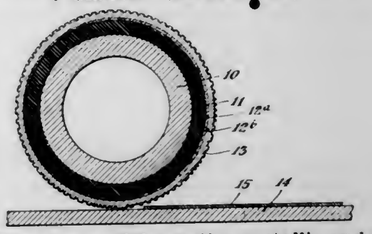
2,153,596
CURVED PANEL ASSEMBLY
George D. Schermerhorn, Reading, Mich.
Application May 28, 1937, Serial No. 145,192
4 Claims. (Cl. 155—186)

1. A laminated panel assembly comprising, in combination, a pair of connected side frame members each provided with a channel portion adapted to receive the marginal part of a panel, said side frame members being arranged in spaced apart relationship with their channel portions



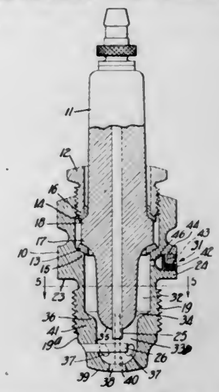
facing each other in a curved plane, and a laminated panel having opposite edges seated within the facing channels of said frame members, said panel consisting of at least two relatively slidably superimposed independent flexible plies.

2,153,597
PRINTING
Oswald R. Schultz, New York, N. Y., assignor to Cellu-Type Plate Co., Inc., Union City, N. J., a corporation of New York
Application August 28, 1933, Serial No. 687,025
7 Claims. (Cl. 101—426)



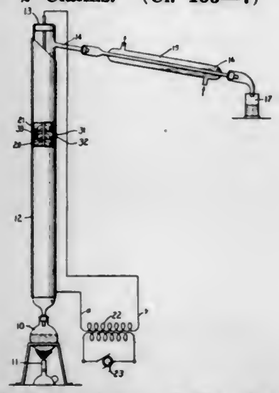
1. The process of decorating metallic and stone surfaces which includes, providing a printing plate composed of cellulosic materal, applying quick drying intaglio ink to the printing surface thereof, and transferring the ink deposited on said plate directly on to the surface to be decorated.

2,153,598
INTERNAL COMBUSTION ENGINE
George K. Steward, Denville, N. J.
Application April 2, 1936, Serial No. 72,223
19 Claims. (Cl. 123—169)



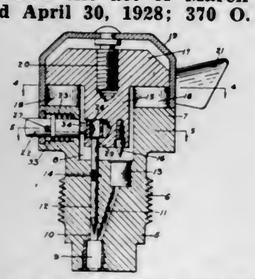
1. The method of controlling detonation of a power charge in an internal combustion engine, which includes the preparation of two firing charges, auxiliary to the power charge, igniting one of the firing charges, utilizing the ignited charge to ignite the power charge and the other firing charge, and utilizing the last named firing charge to enhance the ignition effect of the first ignited charge on the power charge.

2,153,599
FRACTIONATING APPARATUS
Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application August 5, 1935, Serial No. 34,690
2 Claims. (Cl. 183—7)



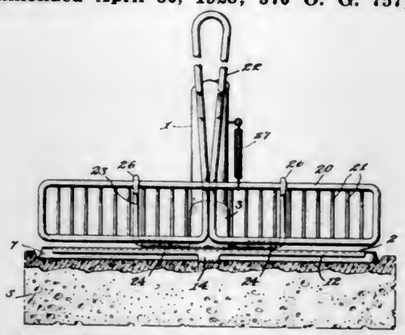
1. A stripping column of the character described for separating a mixture of fluids of different boiling point characteristics including means for vaporizing said mixture of fluids to a gaseous state and for passing said gaseous mixture into said column, a plurality of plates in said column having openings therein and each retaining a body of condensed liquid, bubble caps over said openings and sealed in said liquid providing for the passage of a fluid mixture upwardly through the column and for subjecting such fluid mixture to a scrubbing action incident to the passage of each bubble cap, the column having a temperature gradient distributed thereover and between successive plates, means providing for the return of liquid reflux while maintaining a predetermined level of condensed liquid over each said plate, and means for subjecting the column intermediate each bubble cap to a high intensity electrostatic field adapted to control the particle size and precipitation of condensed liquid particles, to effect complete stripping of a constituent of said fluid mixture.

2,153,600
FUSE
Harold G. Towner, New Haven, Conn.
Application September 2, 1938, Serial No. 228,117
3 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



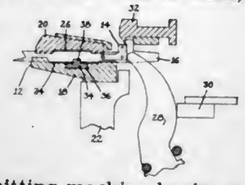
1. In a fuse, a body having a recess in its front part and having passages, a primer-detonator carried by the body at one end of the passages, a primer-delay train in communication with one of the passages, a first firing pin in the other passage, a shear pin in the body and supporting the firing pin with its outer end extending into the recess of the body, a striker having its inner end disposed in the recess of the body, a second firing pin carried by the striker in line with the primer-delay train, a bolt rotatably mounted in the body and having a shearable inner end positioned in the path of the first firing pin to actuate said firing pin, said inner end having a passage arranged to receive the end of the first firing pin in one position of adjustment of the bolt, and means for selectively holding the bolt with its passage in line or out of line with the first firing pin.

2,153,601
WRINGER MOP
Sidney P. Vaughn, San Diego, Calif.
Application June 17, 1937, Serial No. 148,766
11 Claims. (Cl. 15—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



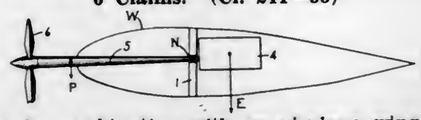
1. A mop including a handle and head, a block of compressible material secured to said head, a link pivoted to the head, means for normally maintaining the link in upright position substantially parallel with the handle, a wringer plate pivotally connected at its upper end to the free end of said link, and an operating handle connected to the wringer plate.

2,153,602
KNITTING MACHINE
Arnold Verbeek, Wustenbrand, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application November 28, 1936, Serial No. 113,163
In Germany December 6, 1935
9 Claims. (Cl. 66—110)



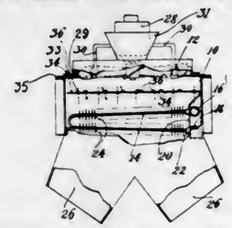
1. In a knitting machine having needles movable as a unit and yarn measuring sinkers, the combination of a sinker bed in which the sinkers are slidably supported, means for successively advancing the sinkers to sink yarn against the needle shanks, braking means arranged for engagement with the sinkers to arrest the sliding movement of the sinkers, and means for actuating said braking means during each knitting cycle to permit a free advancing movement of the sinkers, and thereafter to produce a frictional resistance against movement of the sinkers.

2,153,603
AIRCRAFT POWER PLANT INSTALLATION
Edward C. Wells, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application April 2, 1938, Serial No. 199,638
6 Claims. (Cl. 244—55)



1. In combination with an airplane wing incorporating a main spar disposed adjacent the wing's neutral spanwise axis, and appropriate bracing structure reacting from such spar, an engine disposed within and supported from the wing, behind the neutral axis, a propeller disposed ahead of the wing's leading edge, and a propeller shaft extending between the engine and the propeller, and supported from the wing.

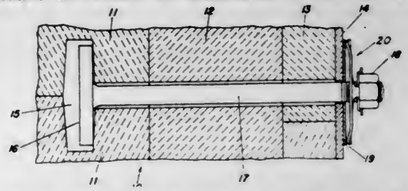
2,153,604
CIRCULATION CONTROL MEANS
Harry Stewart Wheller, Elizabeth, N. J.
Application May 4, 1937, Serial No. 140,643
3 Claims. (Cl. 230—114)



2. In a heater, a casing provided with a passage for the circulation of air therethrough, means for circulating air through the passage, a plurality of pivot rods arranged transversely in the passage and rotatable therein, dampers eccentrically secured to each pivot rod whereby air circulated by the said air circulating means will urge the dampers to rotate into a vertical position, said dampers, upon discontinuing circulation of the air through the passage, arranged to gravitate into a horizontal position, the adjacent edges of the dampers engaging each other to thereby maintain the dampers in position to close said passage.

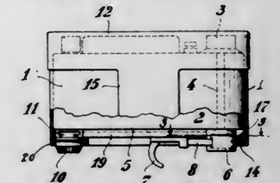
2,153,605
SHOCK ABSORBING WASHER
Karl D. Williams, Washington, D. C.
Application February 28, 1938, Serial No. 192,961
4 Claims. (Cl. 85—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A shock absorbing washer of spring material for use on high temperature furnace anchor bolts, said washer including a pair of oppositely disposed arcuate portions, each having a pair of low supporting points, a nut receiving ring member of substantially less diameter than said arcuate portions disposed between said arcuate portions and sloping bridge members supporting said center ring in a plane above said arcuate portions, whereby said sloping bridge members are exposed to air currents induced by the high temperature sufficient to maintain the temperature



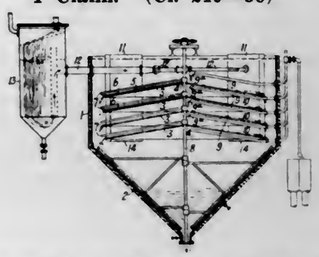
of said sloping bridge members at a point below which they would lose their resiliency.

2,153,606
CAMERA CARRYING CASE
Wilhelm Albert, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application October 27, 1937, Serial No. 171,317
In Germany December 19, 1936
1 Claim. (Cl. 95—31)



A photographic camera carrying case comprising a case body including an openable cover and a bottom, said case being adapted to contain and enclose a photographic camera having a winding up mechanism projecting from the camera bottom and having attaching members also projecting from the camera bottom, means in the bottom of the said case operable from without the case for engaging said attaching members to secure the camera within the case, said case bottom having a longitudinal slot therein through which an operating member of the said winding up mechanism projects for operation thereof from without the case.

2,153,607
APPARATUS FOR CLARIFYING LIQUORS CONTAINING SUSPENDED AND FLOCCULENT MATTER, SUCH AS SUGAR JUICES, AND SIMILAR LIQUORS
Niels Breinholt Bach, Vestervig, Denmark
Application May 19, 1938, Serial No. 208,818
In Great Britain July 14, 1937
1 Claim. (Cl. 210—55)



Apparatus for clarifying sugar juices, comprising, in combination, a cylindrical tank having a conical base, a series of conical trays arranged in superposed spaced relationship within and coaxially with said tank, with their apexes disposed above their peripheries, a series of draw-off pipes, at least one for each of said trays, arranged with

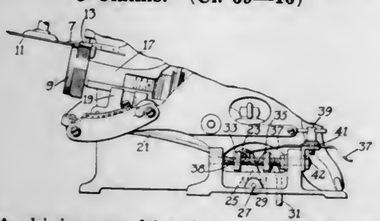
their inlets in the zones of optimum clarity in the region of said apexes, and means for introducing juice to be clarified into said tank including a plurality of chambers mounted in spaced relationship around the wall of said tank with the main delivery outlets at their bases.

2,153,608

SKIVING MACHINE

Floyd W. Backus, St. Louis, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application November 2, 1937, Serial No. 172,413
5 Claims. (Cl. 69—16)



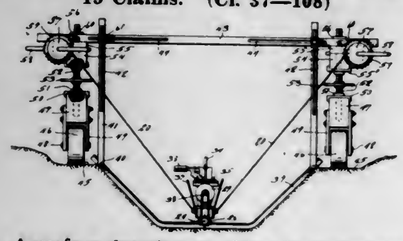
1. A skiving machine having, in combination, a knife, a feed roll, an operator-controlled member movement of which varies the relative angular position of the knife and roll, two stops serving as limits to said movement so as to predetermine the two extreme relative angular positions of the knife and the roll, and a third stop adapted to arrest the movement of said member in a position between the two first-named stops so as to adjust the knife and roll into an intermediate relative angular position.

2,153,609

MACHINE FOR DRESSING ROUGH SURFACES

Robert Webb Briggs, Pharr, Tex.

Application December 21, 1937, Serial No. 181,037
15 Claims. (Cl. 37—108)



1. A surface dressing machine, including spaced rails conforming in contour to the contour of the surface to be dressed, a carriage having supporting rollers engaging said rails, a rotatable shaft mounted upon the carriage, a cylindrical dressing element mounted upon the shaft and extending between the rails and provided with radially projecting radially adjustable teeth, two reversible electric motors mounted upon the carriage, the motors being operatively geared with the shaft to drive the latter, manually operable means for controlling the passage of current through said motors, and manually operated means for shifting the carriage along the rails in either direction.

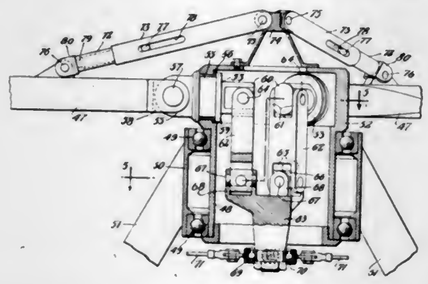
2,153,610

ROTATIVE WINGED AIRCRAFT

Harris S. Campbell, Willow Grove, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application November 13, 1935, Serial No. 49,451
11 Claims. (Cl. 244—18)

1. For an aircraft sustaining rotor having a plurality of blades, a hollowed hub member, a mechanism for connecting the blades with the hub member including pivot means providing for oscillation of the blades substantially about their longitudinal axes to vary the pitch thereof, and a control mechanism for periodically varying the



pitch of the blades during rotation thereof, said control mechanism including a control element offset from the plane of attachment of the blades to the hub member, and parallel links in said hollowed hub member individually interconnecting the blades with the control element.

2,153,611

SWEAT BAND MARKER AND FASTENING CLIP

John Cavanagh, Norwalk, Conn., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware

Application January 6, 1937, Serial No. 119,181
3 Claims. (Cl. 40—9)



1. A combined sweatband marker and fastening clip, comprising a body; a tongue having an upper end integral with said body and overlying the same, having a pair of transversely spaced slots of substantial length relative to the length of said tongue, extending longitudinally thereof and terminating short of the lower end of the tongue, dividing said tongue into a central section and two marginal sections spaced laterally from said central section, each of said sections having upper and lower portions integral with said tongue, and said marginal sections being bowed inwardly toward said body.

2,153,612

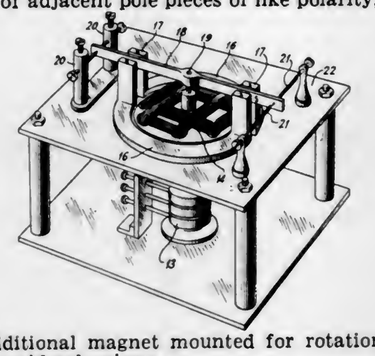
DEMODULATING MEANS

Henri Chireix, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil, a corporation of France

Original application February 12, 1935, Serial No. 6,137. Divided and this application June 18, 1937, Serial No. 148,834. In France February 15, 1934
2 Claims. (Cl. 178—66)

1. A device for producing indications of the rotation of an electrical field produced by phase modulations on a carrier wave comprising, a support member, a slotted rotor mounted for rotation in said support, field producing windings in the slots of said rotor, a permanent magnet enclosing

said rotor, said permanent magnet having a plurality of adjacent pole pieces of like polarity, and



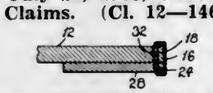
an additional magnet mounted for rotation between said pole pieces.

2,153,613

METHOD OF BINDING A SHOE UPPER

Robert A. Crosby, Milton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 21, 1936, Serial No. 91,749
5 Claims. (Cl. 12—146)



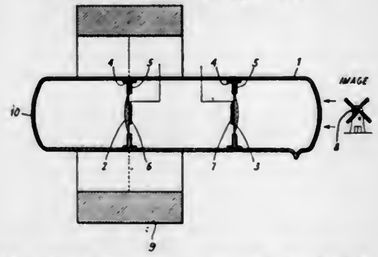
1. The method of binding the edge of a shoe upper having a lining, which consists in stitching a narrow strip of binding to the upper material at a distance from the edge of said upper and in wholly superposed relation to the surface thereof to be exposed, superposing the binding and lining with the faces thereof which are to be exposed in contact and with the free edge of the binding material substantially registering with the edge of the lining material, stitching them at a distance from the registering edges, and bringing the upper and lining together back to back with the binding covering the edges of both materials and concealing both rows of stitches, the spacing of said stitches from the edges of the materials relative to the width of said binding material being such as to cause the binding material to be automatically drawn tight around the edges when the materials are back to back.

2,153,614

OPTICAL IMAGE REPRODUCER

Frederik Coeterier and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands

Application December 24, 1936, Serial No. 117,441
In Germany December 30, 1935
9 Claims. (Cl. 250—169)



1. An optical image reproducing device comprising photoelectric means for transforming an optical image into an electron image, means for focussing the image to be reproduced onto said photoelectric means, means adapted to fluoresce under the action of electronic bombardment, and a permanent magnet adjacent the aforementioned photoelectric means for focussing the electronic image onto the aforementioned fluorescing means.

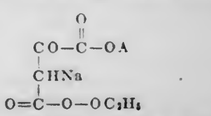
2,153,615

1-ARYL-5-PYRAZOLONE-3-CARBOXYLIC ACIDS

Miles Augustinus Dahlen, Wilmington, Del., and Martin Edwin Friedrich, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 23, 1936, Serial No. 107,148
6 Claims. (Cl. 260—310)

1. The process of manufacturing 1-(3'-aminophenyl)-5-pyrazolone-3-carboxylic-acid which comprises condensing m-nitro-phenyl-hydrazine-hydrochloride with an alkali metal salt of monoethyl-oxal-acetate which is represented by the formula



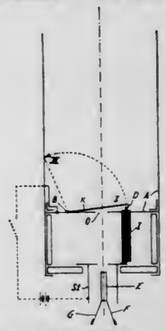
in which A is an alkali metal, at temperatures which are insufficient to effect substantial formation of a pyrazolone and in a medium slightly acidified with an organic acid which is insufficient to convert said fixed alkali to a carboxyl group until a hydrazone salt is formed, heating the product of condensation at temperatures of about 35° to about 40° C. in a solution which is maintained alkaline to brilliant yellow paper by means of a soluble fixed alkali until a fixed alkali salt of 1-(-3'-nitrophenyl)-pyrazolone carboxylic acid is formed, reducing the nitro group and acidifying with an acid sufficient to convert the sodium carboxylic group of said pyrazolone to a carboxyl group.

2,153,616

CATHODE RAY TUBE APPARATUS

Kurt Diels, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 22, 1936, Serial No. 117,120
In Germany December 14, 1935
2 Claims. (Cl. 250—141)



1. In a cathode ray tube, a cathode, an apertured anode, means mounted on said anode to completely close said anode aperture, spring

means joining said latter means to said anode and normally adapted to hold said means in a position retracted with respect to said anode aperture, and an electrical conductor joined to said anode and to the extremity of said anode aperture closing means remote from the spring means to hold said aperture closing means in a position so as to close said anode aperture.

2,153,617

MANUFACTURE OF COLORED PHOTOGRAPHIC PICTURES

John Eggert, Leipzig-Gohlis, and Bruno Wendt, Dessau, Germany, assignors, by mesne assignments, to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application June 18, 1936, Serial No. 85,848
In Germany June 22, 1935
2 Claims. (Cl. 95—2)



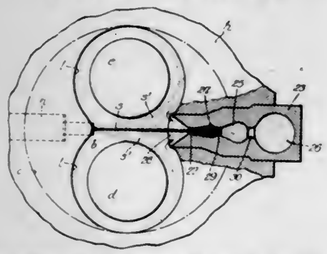
1. A photographic material which comprises a support, a photographic silver halide emulsion layer applied to said support, a filter layer containing as a red dye the aluminium lake of the dyestuff from diazotized naphthylamine and 2-hydroxy-naphthalene-3.6-disulfonic acid applied to said silver halide emulsion layer, a second silver halide emulsion layer applied to said red filter layer, a yellow filter layer dyed with Fuller's yellow made insoluble by calcium nitrate applied to said silver halide emulsion layer and a third silver halide emulsion layer applied to said yellow filter layer, the dyes of said red filter layer and said yellow filter layer being stable against treatment in the photographic treating baths and being decolorizable by one of the group consisting of sodium hydrosulfite and Rongalite.

2,153,618

INJECTION ENGINE

Hans Fischer, Crestwood, N. Y., assignor to Lanova Corporation, New York, N. Y., a corporation of Delaware

Application April 22, 1937, Serial No. 138,332
1 Claim. (Cl. 123—32)



In an injection engine of the air storage chamber solid injection type, a cylinder and a piston operating therein, a combustion chamber opening into the cylinder area, an air storage chamber opening into said combustion chamber through a restricted orifice, and an injection nozzle disposed to inject a solid stream of fuel across said combustion chamber through said orifice into said storage chamber, the latter comprising three compartments, a first compartment opening into said combustion chamber through said orifice, a second compartment opening into said first compartment through an orifice of appreciably greater area than said first orifice, and a third compartment opening into said second compartment through an orifice of appreciably greater area than said second orifice.

2,153,619

PRODUCTION OF PHOTOGRAPHS IN BLUE-BLACK TONES

Hans Fricke, Wolfen, Kreis Bitterfeld, and Emil Joachim Birr, Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application June 13, 1938, Serial No. 213,448. In Germany June 19, 1937
6 Claims. (Cl. 95—88)

1. In a process for producing developed silver pictures in blue-black tones from silver halide emulsions, the improvement which comprises developing said silver halide emulsions in the presence of a member selected from the group consisting of dialkylated 3-alkyl-2-thiohydantoins and dialkylated 3-alkylene-2-thiohydantoins.

2,153,620

COLORING MATTERS OF PHTHALOCYANINE TYPE

Isidor Morris Heilbron, Manchester, England, Francis Irving, Grangemouth, Scotland, and Reginald Patrick Linstead, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application November 15, 1933, Serial No. 698,216. Divided and this application May 14, 1936, Serial No. 79,812. In Great Britain November 16. 1932
3 Claims. (Cl. 260—319)

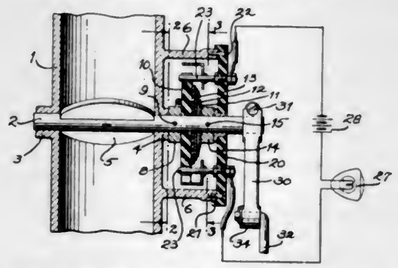
1. The process of producing metal-free phthalocyanine which consists of heating phthalonitrile in an atmosphere of ammonia, and recovering the solid bluish pigment thus obtained.

2,153,621

VEHICLE SIGNAL SWITCH

Clarence B. Howard, Oakland, Calif., assignor to E. H. Kueffer

Application February 9, 1937, Serial No. 124,863
1 Claim. (Cl. 200—59)



In combination with an internal combustion engine having a throttle valve in an intake manifold directly operated and mounted on a rotatable axle extending through the wall of said manifold, an electric switch mechanism directly mounted on a portion of said rotatable axle extending outside of said manifold, a friction clutch connected to rotate said switch mechanism by rotation of said rotatable axle, stationary contacts cooperating with said switch mechanism, and separate throttle operating means connected to said axle to cause rotation thereof, thereby simultaneously operating said throttle and said switch mechanism, stop means for limiting the rotation of said

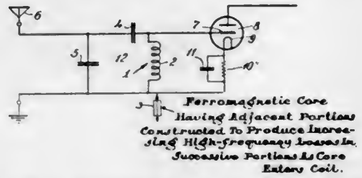
switch mechanism, and an enclosure for said switch mechanism forming an integral part of said manifold.

2,153,622

PERMEABILITY TUNED ANTENNA SYSTEM

Frederick N. Jacob, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application May 17, 1937, Serial No. 143,016
13 Claims. (Cl. 250—20)



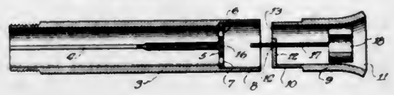
1. A high-frequency network including a parallel resonant circuit, an antenna connected to said circuit, and a ferromagnetic core movable relatively to an inductive element in said circuit, said core having its inductance-increasing content and its resistance-increasing content varying sufficiently throughout its length to maintain the ratio of inductive reactance to effective resistance in said circuit substantially constant while tuning said circuit over a range of frequencies.

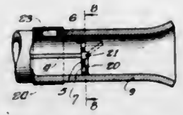
2,153,623

CIGARETTE HOLDER

Louis J. Jacobson, Chicago, Ill.

Application March 19, 1938, Serial No. 196,882
5 Claims. (Cl. 131—215)





2. A cigarette holder comprising a cylindrical body portion divided into a plurality of compartments each of which is adapted to accommodate a filter member, and manually adjustable means for controlling smoke drawn through said holder to flow selectively through said members.

3. A cigarette holder comprising a cylindrical body portion divided longitudinally into a plurality of parallel compartments at least one of which is adapted to receive a filter member, and manually operable means for controlling the smoke drawn through said holder so as to flow through said filter or to be by-passed therearound as desired.

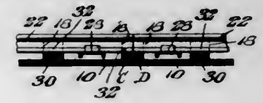
2,153,624

RAILROAD TRACK

Watkin F. Jones, Upper Darby, Pa.

Application March 2, 1938, Serial No. 193,426
3 Claims. (Cl. 238—10)

1. A base for a conventional toy train track section formed of rigidly interconnected rails, comprising, a continuous resilient base, transverse resilient bridge members integral with and raised above the upper face of said base adapted to support said track section out of contact with said base by direct contact of said bridge members with said rails, and lugs on the ends of said bridge members having inwardly overhanging portions adapted to engage the outer bottom flanges of said rails.

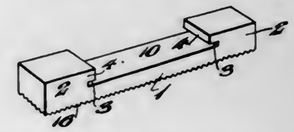


2,153,625

TOY TRAIN TIE

Watkin F. Jones, Upper Darby, Pa.

Application October 31, 1938, Serial No. 237,895
3 Claims. (Cl. 238—10)



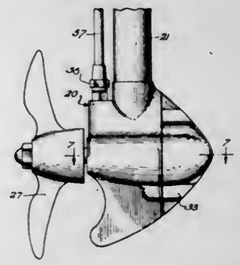
1. A support for a toy electric train track comprising an elongated flexible resilient body member simulating the appearance of a conventional railroad tie and the upper surface of which constitutes a support for all of the rails of said track, and raised portions at the ends of said body member, the inner edges of said raised portions forming abutments for the webs of the outer rails of said track, there being horizontal recesses formed in said raised portions at their junctions with said body member for engaging the outer flanges of the outer rails of said track.

2,153,626

OUTBOARD MOTOR

William L. Kissel, Hartford, Wis., assignor to B. M. Kissel, doing business as Kissel Industries, Hartford, Wis.

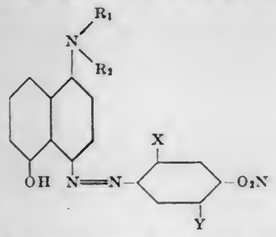
Application May 10, 1937, Serial No. 141,743
6 Claims. (Cl. 115—17)



1. In an outboard motor, an underwater unit comprising, in combination, a body portion, gearing housed within said body portion and comprising a vertical drive shaft, a horizontal propeller shaft, and a pair of bevel gears mounted on the respective shafts, a removable nose piece for said body portion, and a rotary pump housed within the nose piece and accessible upon removal of the nose piece with the bevel gear on the propeller shaft constituting a part of the pump.

2,153,627
NEW MONOAZO DYESTUFFS
Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 29, 1937, Serial No. 177,158. In Great Britain November 30, 1936
9 Claims. (Cl. 260—198)

1. A dyestuff represented by the formula:



in which X means one of a group consisting of hydroxyl and halogen, Y means one of a group consisting of hydrogen and halogen, R_1 means one of a group consisting of hydrogen and alkyl having less than five carbon atoms, and R_2 means one of a group consisting of sulfatoethyl and sulfatopropyl.

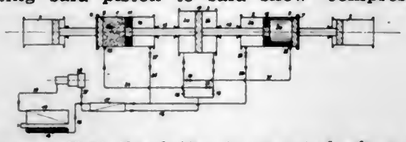
2,153,628
ELECTRON TUBE
Max Knoll, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 17, 1936, Serial No. 69,256
In Germany March 13, 1935
1 Claim. (Cl. 250—27.5)



In a cathode ray tube in which is deposited a metallic coating of definite configuration on the inner wall of said tube, the method of forming said deposit comprising the steps of depositing an unbroken surface of the metal, subjecting said surface to the action of iodine vapor, projecting onto said iodized surface an optical image of the desired configuration, subjecting the exposed surface of the deposit to the action of mercury vapor, and then subjecting the deposit to the action of sodium thiosulfate.

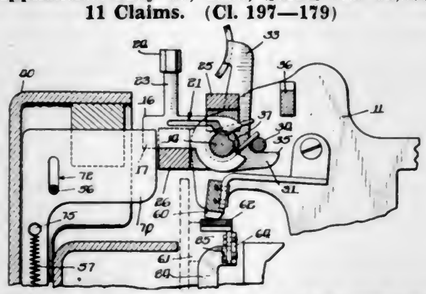
2,153,629
METHOD AND APPARATUS FOR MAKING DRY ICE
Josef Kobold, Esslingen-on-the-Neckar, Germany, assignor to Maschinenfabrik Esslingen, Esslingen-on-the-Neckar, Germany, a corporation of Germany
Application December 24, 1937, Serial No. 181,522
In Germany January 9, 1937
9 Claims. (Cl. 62—121)

1. In a dry ice producing plant, a nozzle for the expansion of carbon dioxide to convert a portion thereof into snow; means to compress the snow; means to feed measured quantities of carbon dioxide to said nozzle means, comprising an expansible chamber formed by a cylinder and piston and conduit means connecting said cylinder to said nozzle, means for forcing carbon dioxide into said expansible chamber to move said piston in one direction therein; means connecting said piston to said snow compressing



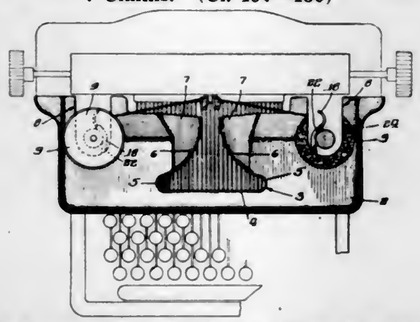
means so that the latter is operated when said piston is so moved, and means to move said piston in the opposite direction to force the carbon dioxide in said expansible chamber through said nozzle.

2,153,630
STOP MECHANISM FOR TYPEWRITERS
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application May 20, 1935, Serial No. 22,300
11 Claims. (Cl. 197—179)



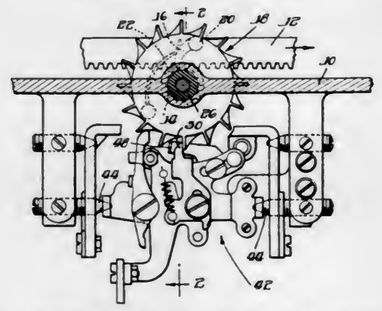
3. A typewriter comprising a stop supporting bar, a plurality of removable stops pivoted on said bar, each stop comprising integral spring means to hold it removably on the bar, and two slotted rods juxtaposed with respect to the bar, the slots in the rod being in alinement, said stops being movable in the alined slots.

2,153,631
REMOVABLE ATTACHMENT FOR TYPEWRITERS
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application May 6, 1936, Serial No. 78,083
7 Claims. (Cl. 197—186)



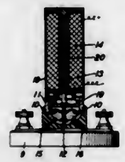
6. A cover plate for a typewriter adapted to be disposed on the upper surface of the typewriter frame, said plate having a recess extending from one edge thereof, means on said typewriter frame engaging said recess and providing a guide means whereby the plate is slidable relatively to the frame in the direction longitudinally of the recess but constrained from lateral movement in operative position, and friction means engaging a part of the typewriter when the plate is in operative position for detachably securing it in place.

2,153,632
TYPEWRITER ESCAPEMENT MECHANISM
James F. Koca, Woodstock, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application May 18, 1937, Serial No. 143,334
3 Claims. (Cl. 197—82)



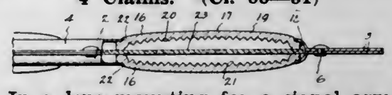
3. In a typewriter having a frame, a carriage and a spacing mechanism comprising an escapement wheel, escapement wheel mounting means pivotally supporting said escapement wheel for rotation with respect to the frame, said escapement wheel mounting means being mounted on the said frame, stop means adapted to engage the escapement wheel for positioning the carriage, said stop means being operatively supported on the said frame, and resilient means interposed between said escapement wheel mounting means and the typewriter frame to absorb impact and resiliently support the mechanism, said supporting means for said stop means being independent of said resilient means whereby to permit resilient absorption of impact vibrations by said resilient means relative to said coacting stop means.

2,153,633
RELAY
Clarence A. Lovell, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1937, Serial No. 138,590
6 Claims. (Cl. 200—112)



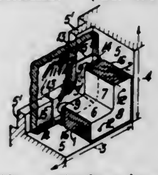
1. A multicontact relay comprising a base, a plurality of wells in said base, a pool of mercury in each of said wells, a pair of electrodes and an insulating separator for each well, a magnet controlled member carrying said separators, a cover for each well, and means for clamping said covers over said wells.

2,153,634
SIGNALING ARM
Masick C. Magarian, Fresno, Calif.
Application November 16, 1937, Serial No. 174,801
4 Claims. (Cl. 88—81)



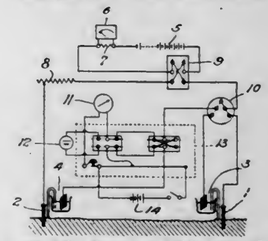
1. In a lens mounting for a signal arm, two identical elongated plates having registering marginal flanges and spaced body portions with registering openings therein, lenses having flanges bearing upon the inner margins of the openings and having body portions projecting through the latter, a separator between the lenses and means for securing the flanges of the plates together whereby the body portions of the plates are made to clamp the lenses upon the separator, the lenses having shaped inner faces to produce desired reflecting effects and the separator serving to prevent play between the lenses and the plates.

2,153,635
DEVICE FOR SECURING GLASS PANES IN WINDOW FRAMES
John Marchbank, Glasgow, Scotland, assignor to Frederick Braby & Company Limited, Glasgow, Scotland, a corporation of Great Britain
Application November 16, 1937, Serial No. 174,782
In Great Britain November 17, 1936
3 Claims. (Cl. 20—56)



1. For use with a window in which the pane is secured in position by a bead frame secured round the marginal edge of the pane, a corner piece which is of channel shape in cross section and presents a horizontal limb and a vertical limb shaped to receive respectively the adjacent end portions of a pair of horizontal and vertical components of the bead frame and having side flanges, the side flanges of the horizontal limb being undivided continuations of the side flanges of the vertical limb on the same side of the corner piece and a clip having a flange interposed between a side flange of the corner piece and the bead frame.

2,153,636
METHOD OF PROSPECTING UNDERGROUND ORE BODIES
Atsushi Matsubara, Kamikyo-ku, Kyoto, Japan
Application November 22, 1934, Serial No. 754,249
In Japan November 30, 1933
3 Claims. (Cl. 175—182)



1. The method of prospecting underground ore

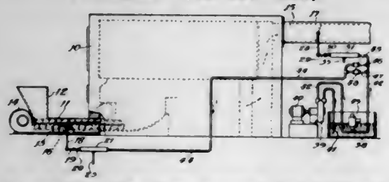
bodies comprising the steps of comparing the back potentials due to the presence of an ore body at different points in the area under investigation by polarising the ore body with an intermittent direct current of a constant intensity flowing through a transportable electrode earthed at various different points on the ground surface in turn and a fixed electrode, and measuring the potential difference between two non-polarisable electrodes, one of which is earthed in the vicinity of the point at which the transmitting, transportable electrode is earthed.

2,153,637

MULTIPLE DAMPER CONTROL FOR BOILERS AND THE LIKE

Edward C. Niven and John A. Niven, Chicago, Ill.

Application March 30, 1938, Serial No. 198,807
7 Claims. (Cl. 110—163)



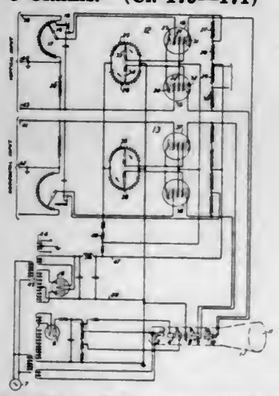
1. A multiple damper control for boilers comprising an air duct through which air passes into the boiler, a damper in the air duct, a damper controlling the outlet of gaseous products of combustion from the boiler, pressure-operated means connected with each of said dampers for actuating the same, a pressure pump, a pressure fluid conduit between the pump and said means for actuating the outlet control damper, a pressure fluid conduit connected to the means for actuating the air duct damper and to said first mentioned conduit between the pump and said means for actuating the outlet control damper, and means in one of said fluid conduits for permitting said pressure fluid to operate the actuating means to open the outlet control damper before the air duct damper is opened.

2,153,638

AMPLIFIER

Nathaniel C. Norman, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1936, Serial No. 102,703
3 Claims. (Cl. 179—171)



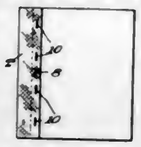
3. A push-pull amplifier comprising two vacuum tubes having input and output circuits, an impedance across the input of each of the tubes, a feedback path from the output of one tube to the input of the other, and means for varying one of the impedances and for opening and closing the feedback path.

2,153,639

BOOK

Elbridge W. Palmer, Kingsport, Tenn., assignor to Kingsport Press, Inc., Kingsport, Tenn., a corporation of Delaware

Application November 17, 1937, Serial No. 174,936
1 Claim. (Cl. 281—21)



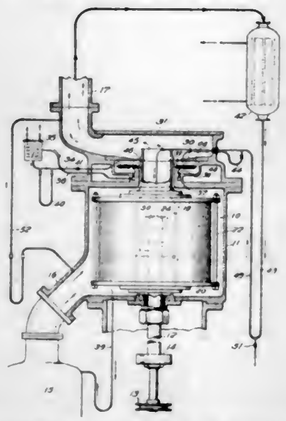
A book comprising a group of leaves, means for securing them together adjacent their back edges, hinge strips overlapping the group of leaves over their securing means, additional means passing through the group of leaves and said overlapping portions of the hinge strips for securing them together, fly leaves, and means for securing them to said overlapping portions of the hinge strips over the means which secures the hinge strips and group of leaves together.

2,153,640

SEAL FOR CENTRIFUGAL FLUID TREATING APPARATUS

Walter J. Podbielniak, Chicago, Ill., assignor to Benjamin B. Schneider, Chicago, Ill.

Application June 25, 1936, Serial No. 87,223
12 Claims. (Cl. 286—9)



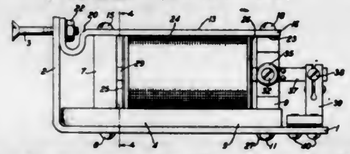
1. A centrifugal liquid seal adapted for use in combination with sealing liquids of any surface tension, for centrifugal fractional devices, centrifugal pumps, turbines, and like apparatus, comprising a seal chamber and a vane extending into the chamber between the opposed faces thereof, said seal chamber and said vane being relatively rotatable and so constructed and arranged that the sealing liquid will be propelled by centrifugal force into the seal chamber to form an annular body of liquid into which the vane extends and said vane being spaced apart in the order of three-eighths of an inch from said opposed faces.

2,153,641

POLARIZED RELAY

Edward J. Pratt, deceased, late of New York, N. Y., by Mollie S. Pratt, administratrix, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 8, 1938, Serial No. 194,536
6 Claims. (Cl. 175—339)



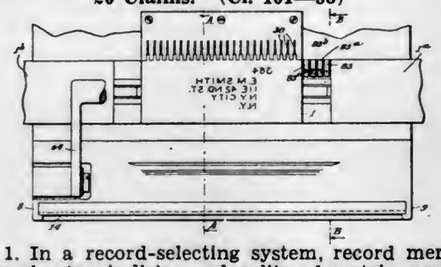
1. An electromagnetic device comprising a mounting plate having a right-angled base portion, a permanent magnet mounted on said plate, a return pole-piece extending parallel to said magnet and to said plate and having offset feet for attachment to the base portion of said plate, a heel-piece secured between the rear end of said return pole-piece and said plate, blocks of magnetic material secured between the poles of said magnet and the forward end of said return pole-piece, pole screws adjustably mounted in said blocks, and an armature secured at one end to said heel-piece with its free end positioned between the inner ends of said pole screws.

2,153,642

ADDRESSING AND LISTING MACHINE

Paul M. Rainey, Martinsville, N. J., assignor to Combination Selector Company, Glen Ridge, N. J., a corporation of New Jersey

Application September 14, 1937, Serial No. 163,737
20 Claims. (Cl. 101—58)



1. In a record-selecting system, record members having indicia, a plurality of matrix members, each adaptable to conform with any combination of indicia that may be found on a record member, and selecting means cooperating simultaneously with said plurality of matrix members to select record members possessing the combinations of indicia jointly determined by said matrix members.

2,153,643

CATHODE RAY DEFLECTION APPARATUS

Hans Otto Roosenstein and Horst Hewel, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 12, 1937, Serial No. 125,382
In Germany January 24, 1936
4 Claims. (Cl. 250—157)

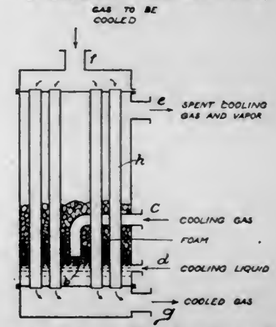
1. In combination, a cathode ray tube having means for developing an electron beam, and an apparatus for deflecting said electron beam comprising a main yoke member, a pair of pole pieces which when energized provide an uneven field intensity value along the line of deflection of said electron beam joined to said main yoke member, a supplementary yoke member having an air gap therein joined to said main yoke member, and means for energizing said main yoke member, said supplementary yoke member and said pole pieces, said latter means and said supplementary yoke member each being positioned at a finite distance from said pole pieces whereby the field from said supplementary yoke member and said energizing means substantially compensates for inequalities in field intensity along the line of deflection of said beam.

2,153,644

METHOD OF COOLING GASES

Julius Schierenbeck, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application September 30, 1936, Serial No. 103,258
In Germany October 11, 1935
3 Claims. (Cl. 62—176)



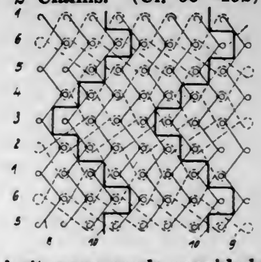
1. A process for cooling hot gases which comprises bringing them into indirect heat-exchange relation with a foam of gas and liquid having a lower temperature than the said hot gases, said foam being produced from a liquid and a gas other than the hot gas to be cooled.

2,153,645

WARP GOODS PROVIDED WITH RUBBER THREADS

Paul Schönfeld, Chemnitz, Germany

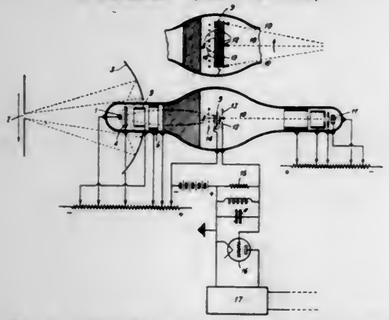
Application October 2, 1937, Serial No. 166,905
In Germany July 16, 1937
2 Claims. (Cl. 66—192)



1. Plain knit warp goods provided with rubber

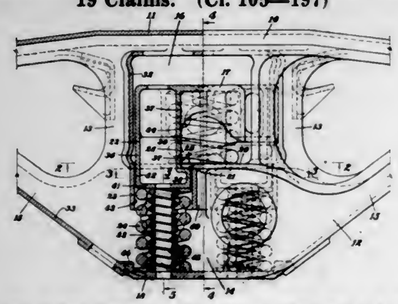
warp threads worked in by underlaying operations and under the ground thread arrangement, wherein the rubber threads are continually worked in by two or more underlaying operations toward one and the same side and then back again.

2,153,646
TELEVISION SCANNER
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 23, 1935, Serial No. 32,768
In Germany July 14, 1934
2 Claims. (Cl. 178—7.2)



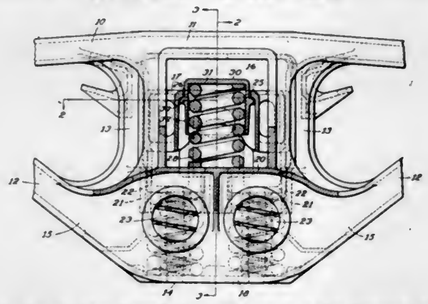
1. In a television transmitter, an evacuated envelope having at least one elongated section containing a photoelectric cathode, means responsive to the optical image of the object to be transmitted, reflecting means embracing at least a part of the elongated section of said envelope for directing the image on to said photoelectric means and developing a current image thereof, a double sided photoelectric mosaic containing a plurality of discrete photoelectric elements on the side thereof facing said photoelectric cathode, means for focusing the current image on to said photoelectric mosaic whereby a charge image is formed on said mosaic corresponding to the current image, means for developing a cathode ray beam, means for deflecting the said beam in at least one coordinate, and means for directing said beam to said double sided mosaic on the side thereof remote from said photoelectric means whereby said beam neutralizes the charge image formed on the photoelectric section of the mosaic.

2,153,647
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1936, Serial No. 109,285
19 Claims. (Cl. 105—197)



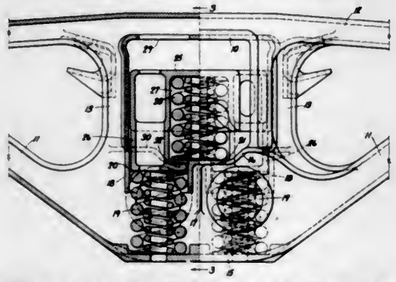
2. In a car truck, a bolster, a side frame having a plurality of spring supporting portions one above the other, spring means on each of said portions for supporting said bolster, said bolster having a projection extending through said upper spring supporting portion for engaging the spring means on said lower spring supporting portion, and means depending from said upper spring supporting portion and surrounding said projection and a portion of said lower spring means for maintaining said projection and lower spring means in operative relation.

2,153,648
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application July 16, 1937, Serial No. 153,884
10 Claims. (Cl. 105—197)



1. In a car truck including a side frame and a bolster, said side frame comprising tension and compression members and connecting columns forming a central window opening therebetween, spring means on said side frame extending into said window opening, said bolster having a downwardly opening pocket in an end thereof receiving said spring means, the upper end of said spring means being at a higher level than the end of said bolster, and means including said bolster constructed and arranged to permit said end of said bolster to be raised to a position higher than said end of said spring means.

2,153,649
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application October 14, 1937, Serial No. 168,857
13 Claims. (Cl. 105—197)



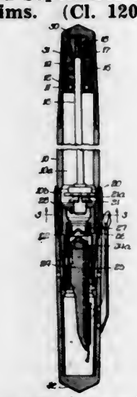
2. In a car truck a bolster, a side frame having a plurality of spring supporting portions one above the other, spring means on each of said portions for supporting said bolster, said bolster having a pocket comprising a top wall integral with the bolster for receiving spring means on the upper spring supporting portion of the side frame and also having an integral projection extending through an opening in said upper spring supporting portion for engaging the spring means on said lower spring supporting portion, and means depending from said upper spring supporting portion and surrounding said projection and spring means for positioning said bolster and spring means with respect to said side frame, said spring means on said upper and lower spring supporting portions being of the same height and diameter.

2,153,650
NECKTIE
George W. Stein, Los Angeles, Calif.
Application December 15, 1937, Serial No. 179,892
2 Claims. (Cl. 2—153)



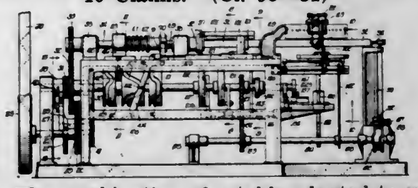
1. A necktie fastening device comprising a plate of thin material provided with apertures adapted to receive threads that fasten said plate to the knotted portion of a necktie, there being an aperture formed near the central portion of said plate, a wire having a doubled central portion positioned on the rear face of the plate, the end of the doubled portion of the wire terminating in a hook that extends through the aperture near the center of the plate, portions of the wire beyond the doubled central portion being extended outwardly in opposite directions from the upper corners of the plate, ears formed integral with the upper corners of the plate, which ears are clamped over the outwardly extending portions of the wire and the ends of the outwardly projecting portions of the wire terminating in downwardly and inwardly projecting hooks.

2,153,651
FOUNTAIN PEN
Albert H. Stenersen, Chicago, Ill.
Application June 3, 1935, Serial No. 24,663
Renewed September 12, 1938
8 Claims. (Cl. 120—47)



1. In a fountain pen, in combination, a barrel having a bore constituting an ink reservoir and a cavity of greater diameter than the bore at the lower end thereof, a piston device for cooperation with the wall of the bore, a piston rod operable to move said piston device longitudinally in the bore and into said cavity, and means in the barrel for cooperation with said piston rod to hold the piston device in a laterally displaced position in said cavity.

2,153,652
RIP-CORD CARTON-MAKING MACHINE
Julius A. Stock, Chicago, Ill., assignor to W. C. Ritchie and Company, Chicago, Ill., a corporation of Illinois
Application March 7, 1938, Serial No. 194,285
10 Claims. (Cl. 93—81)

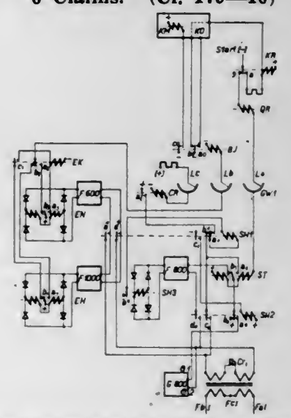


1. The combination of a table adapted to support a pile of cover sheets, means to feed the advance section of a rip-cord supply over the topmost cover sheet on said table with the end of the cord in substantial register with one edge of said topmost cover sheet, means to raise said table, cover sheets and rip-cord section to the carton element around which such cover sheet and rip oord are to be wound, means to so wind such cover sheet and rip cord around the carton element during rotation of the latter, and means to sever such rip-cord section from said supply with an end trailing beyond the opposite edge of said cover sheet, whereby when the cover sheet and cord have been wrapped around the carton element such trailing portion of the cord will be exposed outside of the cover sheet and be readily accessible for ripping said cover sheet asunder.

2,153,653
IRRADIATED DUSTING POWDER
Gustav Stux, Vienna, Austria
No Drawing. Application January 8, 1936, Serial No. 58,227. In Austria January 5, 1932
1 Claim. (Cl. 167—58)

A medicating dust comprising a mixture of roasted gypsum and anhydrite irradiated by ultra-violet rays.

2,153,654
SYSTEM OF TONE-SIGNALING AND IMPULSING
Roman Trechciński, Warsaw, Poland, assignor to Państwowe Zakłady Tele-i Radjotechniczne w Warszawie, Warsaw, Poland
Application June 12, 1936, Serial No. 84,915
In Poland June 15, 1935
6 Claims. (Cl. 179—16)



1. In an automatic telephone system, a source

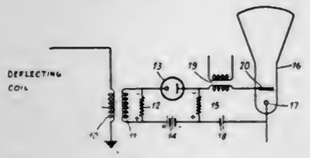
of alternating current of audio frequency, a displaceable actuating switch element, means for initiating the displacement of said element and actuatable by the application from said source and the subsequent reduction to zero at the final terminal point of its envelope of a first train of alternating current waves from said source, and means for stopping the displacement of said element and actuatable by the application from said source and the subsequent reduction to zero at the final terminal point of its envelope of a second train of alternating current waves from said source.

2,153,655

CATHODE RAY TUBE CONTROL CIRCUITS

Rudolf Urtel and Robert Andrieu, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 15, 1936, Serial No. 90,706
In Germany July 8, 1935
1 Claim. (Cl. 250—27)



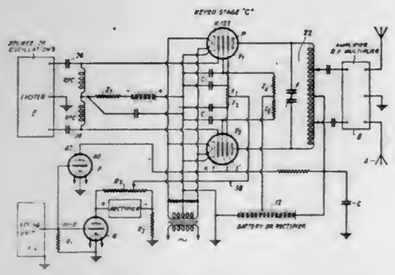
An apparatus for controlling the production of a cathode ray beam, a cathode ray tube having an electromagnetic beam deflection coil for deflecting the cathode ray beam comprising a deflection voltage circuit, a deflection coil energized from said circuit, electrical means coupled to the coil connected to the deflection voltage circuit so that the coupled coil forms a transformer secondary and derives energy from the deflecting coil, a first series electrical circuit comprising said coupled electrical means, a rectifier and a resistor, a second series circuit comprising a control electrode of the cathode ray tube, the aforementioned resistor, the cathode of the cathode ray tube and a source of modulating potential.

2,153,656

KEYING

George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 10, 1936, Serial No. 84,435
10 Claims. (Cl. 178—66)



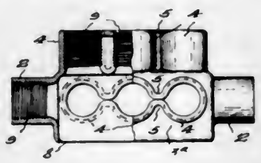
1. In a telegraphy system an electron discharge tube of the pentode type having an input electrode, an output electrode, a cathode and a suppressor grid electrode located between said output electrode and the remaining electrodes, alternating current relaying circuits connected with said input and output electrodes, a source of potential for maintaining said output electrode positive relative to said cathode, a source of potential for producing operative potentials between said input electrode and cathode, a source of potential and a resistance in parallel connected to said suppressor grid and to said cathode, a keying tube having its output electrodes coupled in circuit with said last named source, the connections between said resistance and suppressor grid being such that said suppressor grid is negative when the impedance of said keying tube is low and means for changing the potential on the input electrodes of said keying tube at signal frequency to vary the impedance between the output electrodes of said keying tube and thereby vary the potential of said suppressor grid and the ability of said first tube to relay alternating current.

2,153,657

METHOD OF FORMING CONDUIT OUTLET BOXES

Charles S. Brown, Syracuse, N. Y.

Application November 7, 1936, Serial No. 109,745
8 Claims. (Cl. 29—155.5)



1. The method of forming a conduit outlet box consisting in taking a tubular sheet metal blank, reducing one end thereof into tubular form of less diameter than the blank, forming a conduit-receiving nipple, flattening the tubular body into a general elliptical form, and cutting an opening in one of the long sides of the elliptical formation to provide a cover opening through which the interior of the box is accessible, forming one end of the elliptical formation with one or more tubular conduit-receiving nipples by contracting the opposite sides of that portion, with respect to the major diameter of the elliptical formation toward each other along spaced apart lines extending in a direction parallel to the major diameter to form one or more cylindrical nipples and cutting off the walls at the outer ends of said last named nipples.

2,153,658

PROCESS FOR THE MANUFACTURE OF HYDROGEN PEROXIDE FROM BARIUM DIOXIDE AND PHOSPHORIC ACID

Issar Budowski, Boulogne-sur-Seine, France, assignor to Compagnie Parisienne de Produits Chimiques, Paris, France, a company of France

No Drawing. Application March 18, 1938, Serial No. 196,628. In France June 9, 1937
6 Claims. (Cl. 23—207)

1. A process of manufacture of hydrogen peroxide by means of barium dioxide and phosphoric acid consisting in introducing barium dioxide into phosphoric acid, in interrupting the addition of barium dioxide when the mixture is still acid, in heating this mixture, in introducing an excess of a carbonate, and in filtering the product.

2,153,659

BAND BODY FOR ORNAMENTAL AND PRACTICAL PURPOSES

Heinrich Bürk, Pforzheim-Brotzingen, Germany, assignor to the firm Ph. Döppenschmitt, Goldwarenfabrik, Pforzheim, Germany

Application June 2, 1937, Serial No. 146,101
In Germany July 10, 1936
7 Claims. (Cl. 63—3)



1. A band body for ornamental and useful purposes, consisting of a band-shaped carrier and of plate-shaped links fixed on this carrier, the ends of the links being first bent-over inwards towards the rear side and then bent-over outwards and thence outwardly bent portions engaging under folded-over edges of said carrier.

2,153,660

BONDING OF COMPOSITE ARTICLES WITH POLYMERIZED ADHESIVES

George I. Clapp, Wells, Maine

No Drawing. Application September 26, 1936, Serial No. 102,800
2 Claims. (Cl. 154—40)

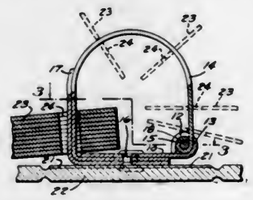
1. The method of bonding together sheets of cellulosic or fibrous materials to form composite articles with a heat polymerized synthetic resin of the heat settable type without the addition of a volatile thinner or the addition of heat after its application to said materials, which comprises applying to the surfaces of the cellulosic or fibrous material a molten mixture of a synthetic resin of the heat setting type polymerized to a normally non-spreadable state and of a toughness and bond-forming strength to produce a glue line of permanently set polymerized material after its application to form the bond dispersed in a non-polymerizable thermoplastic carrying medium, applying pressure for a sufficient time upon the sheets of material while the bonding material is still in the molten condition as will produce a definite permanently set glue line.

2,153,661

LOOSE LEAF BINDER

John O. Davis and Frank M. Martin, Minneapolis, Minn., assignors to Miller-Davis Co., Minneapolis, Minn., a corporation of Minnesota

Application July 13, 1938, Serial No. 219,013
3 Claims. (Cl. 129—1)



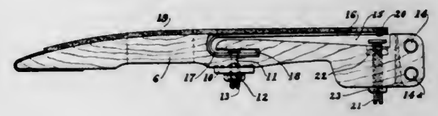
1. A loose leaf binder involving a base strip formed at one edge with a lock channel having longitudinally spaced notches, and resilient hooks secured to said base strip at one end and provided at their free ends with eyelets adapted to be aligned with said lock channel in the notches thereof, and a lock pin insertable through said lock channel and the eyelets of said hooks, said hooks being under normal spring tension to spring out of alignment with said lock channel, said base strip at the notches thereof adjacent the channel and the eyelets, and said hooks at their eyelets having co-operating stop elements that hold the eyelets and channel aligned and said hooks against outward springing action until manually released.

2,153,662

LOOM BINDER

John Dewhurst, Lawrence, Mass.

Application July 8, 1937, Serial No. 152,557
3 Claims. (Cl. 139—185)



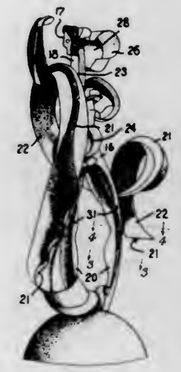
1. In a binder for looms, a binder body provided with a surface the continuity of which is interrupted by a recess having an opening which leads into a spaced parallel slot, a rebent resilient element having its rebent portion maintained in the slot and its remainder extending through the opening and across the recess free, means to confine the rebent end of said element on the binder against movement in the slot, but permitting lateral movement of the portion that is free, and means providing a shuttle engaging surface the continuity of which is uninterrupted supported in part by said body and a remainder of the resilient element that is free.

2,153,663

STRUCTURAL SCULPTURE

Robert Foster, New York, N. Y.

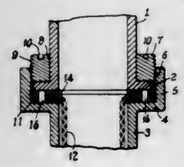
Application February 15, 1938, Serial No. 190,580
17 Claims. (Cl. 41—10)



17. In structural sculpture, a substantially flat metal member having its edges cut to give varying distances from the center line of said member to give the contours of an object, person, animal,

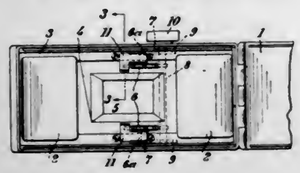
or abstract form, a series of fins engaging said member at varying positions and at angles thereto and being of varying heights, said member and said fins creating sculptural form by reason of varying lights and shadows, a second series of fins mounted on the opposite side of said member for assisting in creating sculptural form, and for giving strength to the sculpture, and filler means mounted at the junctures of some of said fins with said supporting member for adding strength to the sculpture and giving different light and shadow effects.

2,153,664
STRAINER
Abraham Lincoln Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Original application March 8, 1937, Serial No. 129,628, now Patent No. 2,127,397, dated August 16, 1938. Divided and this application June 24, 1937, Serial No. 150,154
2 Claims. (Cl. 210—164)



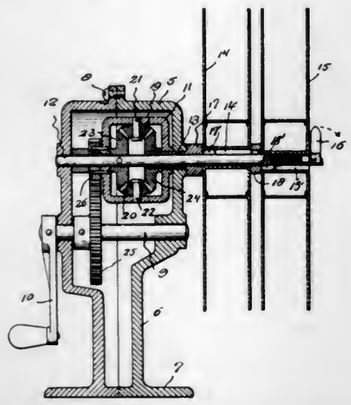
2. In combination, an annular rubber body, a metal mesh strainer member having an annular flange imbedded in said annular rubber body and provided with cut-away marginal portions, said rubber body having spaced apertures extending therethrough, aligned with the cut-away portions of said annular flange and spaced inwardly of the edges of the cut-away portions of said flange, whereby bolts extending through said apertures are insulated from the edges of the cut-away portions of said annular flange by the material of said annular rubber body.

2,153,665
ROLL FILM CAMERA
Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application August 28, 1937, Serial No. 161,488
In Germany September 5, 1935
2 Claims. (Cl. 95—31)



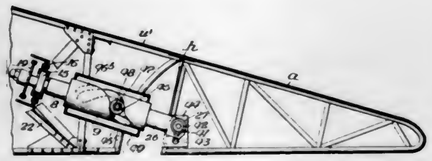
1. A camera comprising a casing having end compartments for film cassettes and an exposure opening between said compartments, means for moving a film from one cassette to the other past said exposure opening comprising toothed, rotatable film engaging members disposed on each side of said exposure opening and between said compartments, and means also positioned between said compartments and extending across the camera just outside the exposure opening area for rotating said members.

2,153,666
FILM REWINDING APPARATUS
Sidney Morgan Hill, Hollywood, and Frank Stewart Testera, Van Nuys, Calif.
Application June 8, 1936, Serial No. 84,202
7 Claims. (Cl. 242—55)



1. A film rewinding apparatus comprising a gear housing, a differential gearing arranged in said gear housing and including a differential housing, a solid shaft extending transversely of and journaled in one side of said gear housing and having one gear of the differential gearing secured thereon, a tubular shaft journaled in the other side of said gear housing and having the other gear of said differential gearing secured thereon, said differential housing being journaled on said solid and tubular shafts, said solid shaft extending through and freely rotatable relative to said tubular shaft, one end of said solid shaft projecting outwardly from the second-named side of the gear housing beyond the tubular shaft and adapted to receive two film spools, means to removably hold said spools on said projecting end of the solid shaft, means to removably key one of said spools to the tubular shaft, means to removably key the other spool to the solid shaft, and a drive shaft journaled transversely of said gear housing below and parallel to said solid shaft and geared to said differential housing.

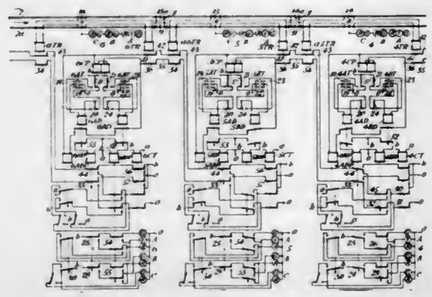
2,153,667
AIRPLANE CONTROL
Harold D. Hoekstra, Wayne, Mich., assignor, by mesne assignments, to Aviation Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application September 11, 1935, Serial No. 40,035
2 Claims. (Cl. 244—83)



1. In combination with an airplane having a wing with an aileron hinged to the rear portion thereof to swing up or down from a neutral position to either an ordinary or extreme deflected

position and back again, a control for the aileron comprising an actuating element in the pilot's compartment of the airplane, a sleeve connected pivotally to the front portion of the aileron and adapted in response to axial shift thereof to swing said aileron, a plunger having one end thereof fitting within the sleeve and its other end mounted in the wing so that said plunger is rotatable without axial displacement, means between the actuating element and said other end of the plunger for effecting rotation of the plunger in response to control movement of said element, and a roller and cam slot motion imparting connection between the plunger and sleeve operative in response to rotation of said plunger to shift the sleeve axially and thus effect swinging of the aileron, the slot of said connection being of helical design and formed in the sleeve and having the intermediate part thereof adapted to receive the roller when the aileron is in or near its neutral position and arranged so that when the roller is disposed therein the aileron is locked against swinging movement except by rotation of the plunger, and also having one end part thereof adapted to receive the roller when said plunger is rotated in one direction in order to swing upwards the aileron into its ordinary or extreme deflected position and curved and of such pitch that when the roller is therein the aileron is free so that it tends in response to flow of air thereagainst during flight of the airplane to return downwards to its neutral position, and its other end adapted to receive the roller when the plunger is rotated in the reverse direction in order to swing the aileron downwards into an ordinary or extreme deflected position and curved and of such pitch that when the roller is therein the aileron is free so that it tends in response to flow of air thereagainst during flight of the airplane to return upwards to its neutral position.

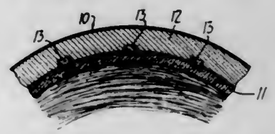
2,153,668
RAILWAY SIGNALING
Ralph R. Kemmerer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 29, 1938, Serial No. 232,384
13 Claims. (Cl. 246—50)



1. In combination, a stretch of railway track divided into blocks, a signal for each of said blocks for governing traffic movements into the associated block, a polarized code following relay for each of said signals, normal contacts of each of said relays closed in a normal position when the corresponding relay is energized by current of normal polarity and closed in a deenergized position when said relay is deenergized or is energized by current of reverse polarity, reverse contacts of each of said relays closed in a reverse position when the corresponding relay is energized by current of reverse polarity and closed in a deenergized position when the relay is deenergized or is energized by current of normal polarity, a slow release normal decoding relay and a slow release reverse decoding relay for each of said code following relays, a normal decoding transformer for each of said normal decoding relays, a reverse decoding transformer for each of said reverse decoding relays, means controlled by normal and reverse polar contacts of each of said polarized code following relays for energizing the corresponding normal and reverse decoding transformers while said contacts are being operated in response to coded current, means controlled by each of said normal and reverse decoding transformers and by normal and reverse contacts respectively of the corresponding polarized code following relay for energizing the corresponding normal and reverse decoding relays respectively, a coding device for each of said signals, a pair of conductors for each of said signals across which the associated polarized code following relay is connected, a polarized signal control relay of the retained neutral contact type for each of said signals connected across the corresponding pair of conductors through back contacts of the associated normal and reverse decoding relays in series, traffic controlled means for each of said blocks, means controlled by the coding device for each signal and by the normal and reverse decoding relays and polarized signal control relay for the same signal and by the traffic controlled means for the next block in the rear for energizing the conductors for the next signal in the rear by steady current of normal or reverse polarity or by coded current of normal or reverse polarity or by code impulses of normal polarity alternately with code impulses of reverse polarity if said next block in the rear is unoccupied, and means controlled by the normal and reverse decoding relays and by the polarized signal control relay for each signal for operating the corresponding signal to display five different indications one for each of said five forms of current supplied to the conductors for directing traffic movements into the block and for operating the corresponding signal to display a stop indication if the block is occupied by a train.

2,153,669
WITHDRAWN

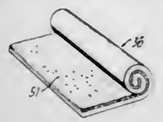
2,153,670
CHEMICAL HEATING PAD
Leon Markel, San Francisco, and Frederick L. Reynolds, Mill Valley, Calif., assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,416
4 Claims. (Cl. 132—36.2)



4. In means for carrying out permanent hair waving operations, an exothermic heating element adapted to be placed in heat transferring relationship with a wound strand of hair, said element comprising an ostensibly dry chemical

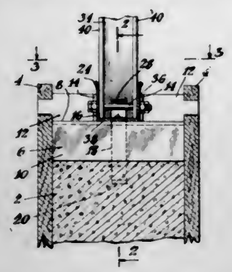
mixture including metallic aluminum, a normally substantially insoluble copper compound, and a depolarizing agent, said chemical mixture being disposed within a retaining envelope having one perforated wall, and a sheet of absorbent material moistened with a solution containing a solvent for the copper compound, and disposed in contact with said perforated wall.

2,153,671
HAIR WAVING APPARATUS
Leon Markel, San Francisco, and Frederick L. Reynolds, Mill Valley, Calif., assignors, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,417
6 Claims. (Cl. 132—36.2)



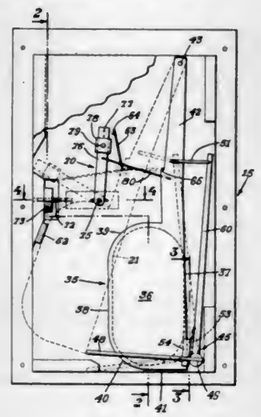
3. Means for generating water vapor for hair waving operations comprising a sheet of aluminum, a sheet of absorbent material contacting one side of the sheet of aluminum and saturated with a solution capable of exothermic reaction with the aluminum, a sheet of absorbent material saturated with water to be vaporized and disposed adjacent one side of the assembly of the aluminum sheet and the chemical saturated sheet, and a sheet of substantially impervious material interposed between said assembly and said water saturated sheet, all said sheets being wound spiral fashion to form a cartridge.

2,153,672
FOUNDATION PLATE
Frederick F. Mills, Ocean City, N. J.
Application January 20, 1938, Serial No. 185,821
3 Claims. (Cl. 72—77)



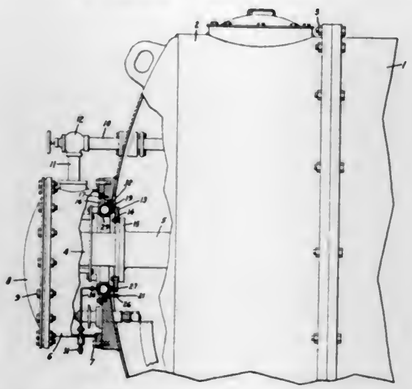
1. A building construction comprising a footing formed of concrete, a plurality of members each having a portion thereof embedded in the concrete of said footing and another portion projecting above the upper surface of said footing and provided with spaced lugs, a foundation plate located between the lugs on the projecting portions of said members, said lugs and foundation plate being formed with cooperating means for positioning the foundation plate, said foundation plate resisting upon the upper surface of said footing and having elements extending downwardly therefrom and embedded in the concrete of said footing and having spaced elements extending upwardly therefrom and structural members supported by said foundation plate and located between the spaced upwardly extending elements thereof.

2,153,673
ANIMAL ACTUATED DOOR
Vernon M. Nidever, Carpenteria, Calif.
Application August 19, 1937, Serial No. 159,897
13 Claims. (Cl. 119—22)



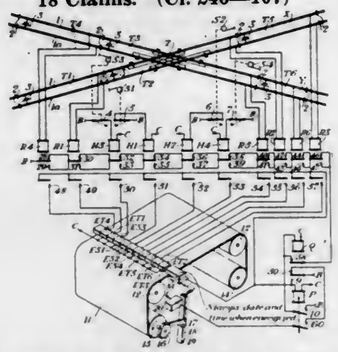
1. A door construction comprising a frame adapted for incorporation in a wall structure, said frame having a door opening, a door panel with means suspending said panel from a pivot thereabove, a rock shaft extending through the said frame and having treadles adapted to be positioned one inside and the other outside of the wall and an interconnection between the rock shaft and the panel to swing the panel on its pivot on depression of either treadle.

2,153,674
SHAFT SEAL
Harry Ommundson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 14, 1937, Serial No. 153,572
3 Claims. (Cl. 137—139)



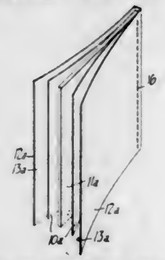
1. A shaft seal comprising a rotatable part, a stationary part adjacent said rotatable part, an axially movable element supported on said stationary part, resilient means for biasing said axially movable element out of contact with said rotatable part, an extensible member arranged between said stationary part and said axially movable element, and means for supplying fluid to said extensible member to extend the same and move said axially movable element into contact with said rotatable part to close said seal.

2,153,675
RECORDING MECHANISM
George R. Pflasterer, Greenville, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 26, 1938, Serial No. 192,819
18 Claims. (Cl. 246—107)



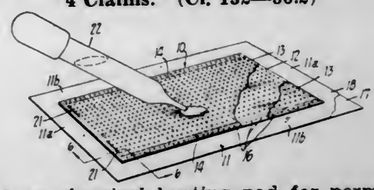
1. In combination, a stretch of railway track having a track circuit including a track relay, a normally energized quick releasing stick relay, a first stick circuit for said stick relay including a front contact of said track relay, a second stick circuit for said stick relay including a back contact of said track relay, a normally deenergized slow acting relay, an energizing circuit for said slow acting relay including a back contact of said stick relay, a pick-up circuit for said stick relay including a front contact of said slow acting relay, a record tape, a mechanism effective when energized to move said tape a predetermined distance, and a circuit for energizing said mechanism serially including a front contact of said stick relay and a front contact of said slow acting relay.

2,153,676
CHEMICAL HEATING PAD
Frederick L. Reynolds, Mill Valley, Calif., assignor, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application July 26, 1937, Serial No. 155,746
3 Claims. (Cl. 132—36.2)



1. In a chemical heating pad, a sheet of readily bendable aluminum, a readily bendable sheet of absorbent material adapted to be disposed in contact with at least one face of the sheet of aluminum, said sheet of absorbent material being adapted to contain a solution capable of exothermic reaction with the aluminum, and a protective covering extending over one side of the assembly, said covering being substantially inert with respect to said solution and being attached to the assembly formed by the sheets of aluminum and absorbent material.

2,153,677
CHEMICAL HEATING PAD FOR PERMANENT HAIR WAVING
Frederick L. Reynolds, Mill Valley, Calif., assignor, by mesne assignments, to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application November 24, 1937, Serial No. 176,229
4 Claims. (Cl. 132—36.2)



1. In a chemical heating pad for permanent hair waving, a sheet of aluminum foil, and a flexible sheet of absorbent material in contact with one side of the aluminum foil, the sheet of aluminum foil being perforated and the sheet of absorbent material being capable of retaining a chemical solution of exothermic reaction with the metallic foil.

2,153,678
CHEMICAL HEATING PAD FOR PERMANENT HAIR WAVING
Frederick L. Reynolds, Mill Valley, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California
Application November 8, 1938, Serial No. 239,482
5 Claims. (Cl. 132—36.2)

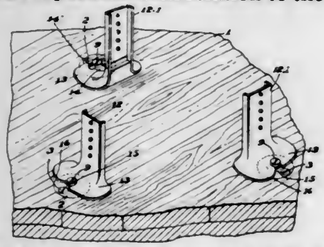


1. In a chemical heating pad for permanent hair waving, a sheet of metallic foil, and a sheet of asbestos paper disposed in intimate contact with one side of the aluminum foil, the sheet of asbestos fiber being adapted to be saturated with a chemical solution for exothermic reaction with the aluminum foil.

2,153,679
FLOOR ATTACHMENT FOR CHAIRS
Willis Doane Rich, Hingham, Mass.; Louise B. Rich, administratrix of said Willis D. Rich, deceased, assignor to Deskor Chair Sales Corporation, Boston, Mass., a corporation of Massachusetts
Application December 17, 1936, Serial No. 116,439
5 Claims. (Cl. 45—137)

1. In a floor attachment for chairs the combination with a chair having footed legs attachable to the floor, of a plurality of floor fixtures corresponding in number with the footed legs of the chair and to which the feet of the chair are attached, each floor fixture comprising a socket containing base member set into and fixed to the floor, an attaching member comprising a headed shank in threaded engagement with said base member and cooperating therewith in manner

whereby the head of the shank may occupy an inactive socketed out of the way position within said base member, or an active operative position above said base member for retaining the footed leg of said chair when the headed shank is turned out of said base member, the feet of the chair being slotted whereby they may be brought into their final set position with relation to the shanks



of the attaching members by sliding the feet along the floor, and the floor fixtures being arranged whereby the shanks of the attaching members will enter the slotted feet of the chair when slid along the floor as aforesaid, and means for limiting the extent of inturning of the attaching members whereby the heads thereof will lie flush with the floor when not in use.

2,153,680

DIRECTION CONTROL MECHANISM FOR WELL DRILLING TOOLS

James H. Schumacher and Willis C. George, Ventura, Calif.

Application January 30, 1936, Serial No. 61,575
21 Claims. (Cl. 255—1)



1. In combination with a rotary drill stem, means associated with the drill stem and located near the bottom thereof operable by a deviation of the drill stem from the vertical for causing a force to be exerted laterally upon the drill stem in a direction opposite to that in which the drill stem tends to deviate from the vertical.

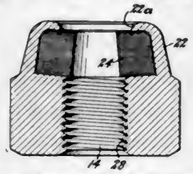
2,153,681

FASTENING MEANS AND METHOD OF MANUFACTURE THEREOF

Carl A. Swanstrom, Irvington, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey

Application May 28, 1936, Serial No. 82,170
10 Claims. (Cl. 151—7)

7. A nut structure comprising a nut body having a circular locking insert of elastic material permanently secured within a circular recess in the nut body, the side wall of the recess being



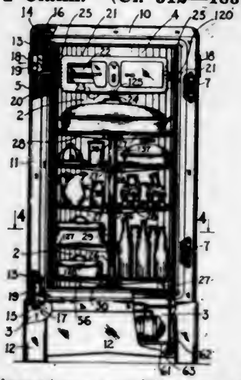
in lateral force transmitting contact with the outer periphery of said insert.

2,153,682

REFRIGERATOR

Adolph A. Vicek, Cleveland, Ohio

Application April 30, 1935, Serial No. 18,977
1 Claim. (Cl. 312—183)



In a refrigerator, a cabinet, a shelf support within the cabinet and comprising a non-rotatable standard fixed to the base of the cabinet but free of the cabinet at its upper end, a bearing carried by the standard at its upper end, a tubular shelf carrying member telescoping said standard and said bearing, a removable bearing member adjustably mounted within the tubular member and cooperating with said other bearing to freely and rotatably support the tubular member on the standard, and means for adjustably securing at least one tray, the tubular member and said removable bearing member together as a unit.

2,153,683

FOUR-IN-HAND TIE

James Martin Walsh, Los Angeles, Calif.

Application September 7, 1938, Serial No. 228,773
2 Claims. (Cl. 2—146)



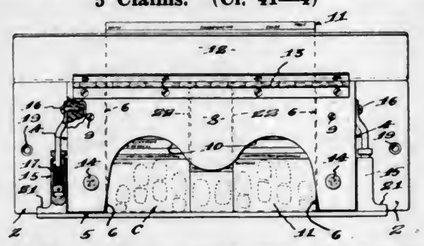
1. A four-in-hand tie having one or more notches formed in the side edge of the lining of the tie arranged on the small end thereof at about the location where the knot would be normally tied and a tape stitched across the open side of the notch.

2,153,684

FINGERPRINT MACHINE

Harold L. Ballard, Syracuse, N. Y., assignor to Misener Manufacturing Co., Inc., Syracuse, N. Y., a corporation of New York

Application July 23, 1937, Serial No. 155,169
5 Claims. (Cl. 41—4)



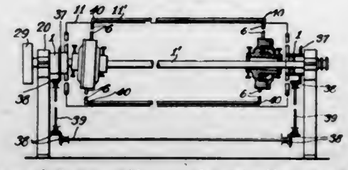
5. A fingerprint machine comprising a rectangular shaped body having vertically arranged sides and ends and a horizontally arranged top, a base portion extending beyond the ends of said body portion, a recessed portion in said top extending from the vertically arranged front side of said body to the back thereof, the front end of said recessed portion being rounded where it meets said vertically arranged front side, a guard plate arranged above said recessed portion, said recessed portion and said guard plate forming a card guide, means for holding a card in said card guide with the bottom end thereof extending downwardly against said front wall comprising a spring tensioned yoke pivotally mounted on the ends of said body and extending across said front side, the side arms of said yoke coacting with the base portion of said body when in its operative or holding position and said yoke being operable about said pivots to an inoperative position when the card is released.

2,153,685

REEL FOR CONTINUOUSLY WINDING THREADS

Hans Dannenberg, Dessau in Anhalt, and Paul Saffert, Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application March 13, 1933, Serial No. 660,590
In Germany March 15, 1932
5 Claims. (Cl. 242—53)



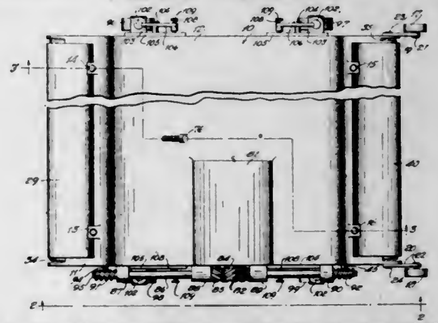
1. A reel for continuously winding textile materials of the kind wherein the yarn is wound temporarily on the reel and is automatically laterally advanced in form of a helix, comprising an axle, reel mechanism carried by said axle and including members movable laterally of said reel mechanism during rotation thereof to displace the helix of yarn laterally of the reel mechanism, means for rotating said reel mechanism, and means operable during rotation of said reel mechanism to adjust the rate of lateral movement of said members, thereby to control the pitch of said helix.

2,153,686

COMBINATION FLOOR WASHER AND DRIER

John L. Deegan, Sr., Pottstown, Pa.

Application August 17, 1937, Serial No. 159,557
3 Claims. (Cl. 15—99)



1. In a floor washing and drying device of that type including a housing adapted to contain a body of liquid, and a liquid carrier in the form of a driven endless belt including an upper run for passing through the housing to contact with the liquid and other runs for travelling about the housing, the combination of a slidably mounted removable shaft arranged within the lower portion of and adapted to be supported from opposed walls of the housing, and a revoluble agitator element carried by said shaft and including radially disposed blades, each blade being tapered lengthwise from one end to the other, said blades being alternately disposed with respect to each other.

2,153,687

METHOD OF TREATING ZINC OXIDE

Harlan A. Depew, Columbus, Ohio, assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine

No Drawing. Application January 14, 1935, Serial No. 1,818
5 Claims. (Cl. 134—78)

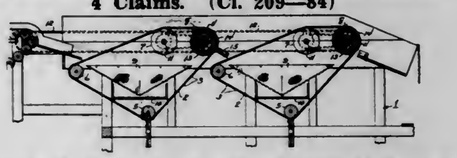
5. The process which consists in spraying zinc oxide having zinc sulfate on the particles with at least one of the group of hydroxides consisting of sodium hydroxide and potassium hydroxide in proportions sufficient to form a coating of Na_2SO_4 on said particles.

2,153,688

VEGETABLE OR FRUIT GRADING AND SIZING MACHINE

John R. Fitzgerald, Harlingen, Tex.

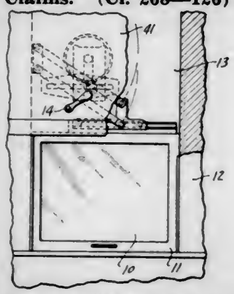
Application August 23, 1937, Serial No. 160,509
4 Claims. (Cl. 209—84)



1. In a machine for grading vegetables, fruit and the like, an endless grading belt having openings of selected size therein, the upper flight of said belt constituting the working portion for grading the articles deposited thereon, the re-

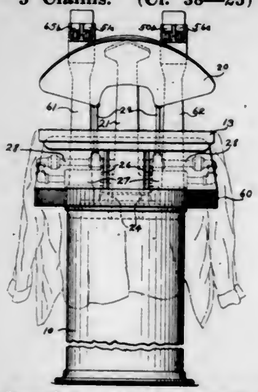
ceiving and discharge end portions of the flight being roller supported, agitator roller means supporting the upper flight of the belt between the receiving and discharge ends thereof, and a soft bodied resilient ejector roller of lesser diameter than the belt supporting roller at the discharge end of the upper flight of the belt, said ejector roller rotating about the axis of the supporting roller and in the same direction but at a greater peripheral speed than the travel of the grading belt on said supporting roller.

2,153,689
WINDOW REGULATOR
Burton S. Floraday, Toledo, Ohio, assignor, by mesne assignments, to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application December 18, 1936, Serial No. 116,497
8 Claims. (Cl. 268—126)



1. In a window regulator, the combination of a support, a pair of swinging arms pivoted to the support at spaced fixed points one above the other, a bar pivoted to the outer ends of said arms at correspondingly spaced fixed points, a slidable connection between said bar and a horizontal edge portion of the window, and manually operable means for swinging said arms engageable therewith a correspondingly spaced intermediate points thereof.

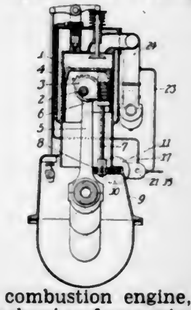
2,153,690
PRESSING MACHINE
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application March 15, 1937, Serial No. 130,962
5 Claims. (Cl. 38—25)



2. In a laundry pressing machine, a frame, upper and lower coacting pressing members mounted thereon for approach and separating movement of said upper pressing member relative to said lower member, power means for causing said relative movement, said frame having a stationary bracket portion extending over said pressing members, a table below the lower of said pressing members having its forward peripheral edge formed as a smooth curve convex toward the operator, and a control member for said power means mounted on said bracket portion.

3. In a pressing machine, a frame having a table portion pivotally mounted on a base portion, a pressing bed mounted on said table portion, a lever pivotally mounted intermediate its ends at the rear of said table portion, a pressing head at one end of said lever and movable thereby toward and from said bed, and a fluid motor having cylinder and piston members, one member connected with the other end of said lever and the other member carried on the lower face of said table portion, whereby when said table portion is moved about its pivot said motor is exposed for inspection and repairs.

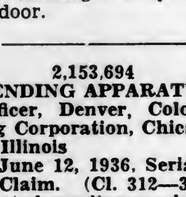
2,153,691
INTERNAL COMBUSTION ENGINE AUTOMATIC COMPRESSION RATIO VARYING MEANS
Yasusaburo Hironaka, Tsuwano-cho, Kanoashi-gun, Japan, assignor of one-half to Kenjiro Tsuneda, Kyoto, Japan
Application April 13, 1936, Serial No. 74,210
1 Claim. (Cl. 123—48)



An internal combustion engine, comprising a servo-motor mechanism for varying the compression ratio in the engine cylinder, means responsive to and controlled by the explosion gas pressure for actuating said servo-motor, a double acting valve controlling the admission to said servo-motor of the explosion gas coming from the engine on one hand, and controlling the discharge of said explosion gas on the other hand, a vacuum cylinder connected at its one end to the intake pipe of the engine, and open to the atmosphere at the other end, a vacuum piston in said vacuum cylinder and connected for operating said double acting valve, and a weak spring normally acting upon said vacuum piston against the action of said vacuum, the arrangement being such that the controlling valve is opened to permit the admission of the explosion gas to said servo-motor as the vacuum approaches atmospheric pressure to decrease the compression, and is closed to permit discharge of said explosion gas from said servo-motor in reversed condition to increase the compression in the engine cylinder.

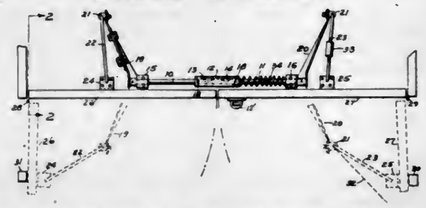
2,153,692
LUBRICANT CONTAINER FOR JOURNAL BOXES
Louis C. Hyatt, Albany, N. Y.
Application May 28, 1936, Serial No. 82,339
16 Claims. (Cl. 308—87)

1. A liquid-tight container for enclosing a fluid lubricant to be supplied to an overheated journal, said container comprising two parts secured together by a substance fusible at a temperature



slightly higher than the normal running temperature of the journal, whereby the parts become separable when the fusible substance softens, to permit discharge of the lubricant.

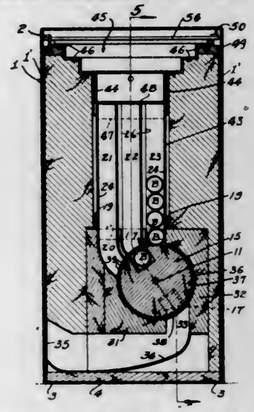
2,153,693
CONTROL FOR MULTIPLE DOORS
Courtney N. Mitchell, Strongsville, Ohio
Application May 29, 1935, Serial No. 23,975
4 Claims. (Cl. 268—62)



1. In a device of the character described, a door casing, a first door and a second door adapted to cooperate to close a passage thru the door casing, means for stopping an opening movement of the first door in advance of a full opening movement of the second door, a shaft mounted lever having a connection with the first door and being adapted to overthrow past a dead center position upon a full opening of the said first door, a shaft mounted lever having connection with the said second door and adapted to approach but not to pass a dead center position, the first said lever and its connection with the first door being so formed as to be deflected resiliently upon the overthrow past dead center, and means for limiting the opening movement of the second door.

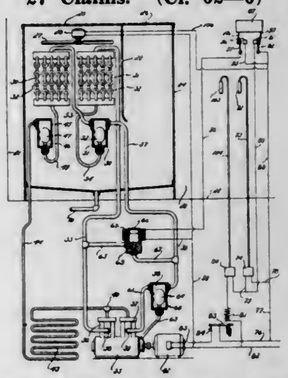
2,153,694
VENDING APPARATUS
Robert A. Officer, Denver, Colo., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application June 12, 1936, Serial No. 84,842
1 Claim. (Cl. 312—36)

In a refrigerated vending machine, a plurality of magazines having common side walls between adjacent pairs thereof, said side walls being formed with longitudinal corrugations for minimizing the contact of contained merchandise therewith, means to maintain said magazines below the freezing point, a dispensing gate mounted for rotation adjacent the discharge ends of the magazines to empty them in predetermined order, said gate being formed with package receiving pockets, supporting ribs in each such pocket constituting a cradle upon which the received package is held out of contact with the wall of the pocket and projecting beyond the periphery of the dispensing gate, and means for rotating said dispensing gate, whereby the package received therein is operative to move the packages in the several magazines and thereby to break



the ice which freezes them to the sides of the respective magazines.

2,153,695
AIR CONDITIONING SYSTEM
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application November 14, 1933, Serial No. 697,938
27 Claims. (Cl. 62—6)

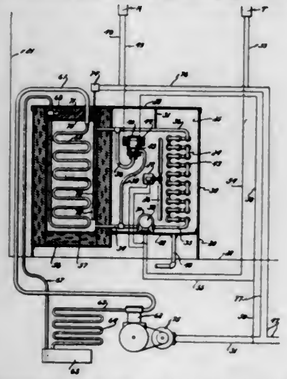


1. An air conditioning system comprising in combination, a refrigerating apparatus including a heat absorbing element about which air to be conditioned is circulated, means connected with the element for causing refrigerating medium to circulate therethrough, a second heat absorbing element about which air to be conditioned is circulated, means connected with the second element for causing refrigerating medium to circulate therethrough, a by-pass for refrigerating medium between said elements, and means responsive to the relative humidity of the air to be conditioned for controlling the flow of refrigerating medium through said by-pass.

2,153,696
AIR CONDITIONING SYSTEM
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application February 3, 1934, Serial No. 709,660
Renewed October 21, 1937
4 Claims. (Cl. 62—6)

1. An air conditioning system comprising in

combination, heat absorbing and heat dissipating means; a conduit for conducting refrigerating medium from the heat dissipating means to the heat absorbing means; a conduit for conducting the refrigerating medium from the heat absorbing means to the heat dissipating means; a by-pass interconnecting said conduits; said heat absorbing means being disposed in the path of the air to be conditioned; and mechanism for maintaining simultaneously the air at the desired temperature and humidity substantially at all times, said mechanism including means responsive to the temperature of the air to be conditioned for controlling the flow of refrigerating medium through said heat absorbing means, and means responsive to the relative humidity of the air to be conditioned for controlling the flow of refrigerating medium through said by-pass.



2,153,697

DYED PAPER AND PROCESS OF MAKING THE SAME

Laurence W. Porter, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application August 20, 1936, Serial No. 97,078

10 Claims. (Cl. 8—7)

1. In the process of making a colored paper which includes the steps of forming a cellulosic fibrous mix into a paper web and thereafter coloring the web by applying thereto an aqueous solution of a dyestuff of the group consisting of acid dyestuffs and direct dyestuffs, the improvement which consists in incorporating into the paper, at a stage not earlier than the dyeing step, an ammoniacal solution of an agent of the group consisting of oxides and hydroxides of metals of the group consisting of magnesium, beryllium, cadmium, mercury and zinc.

2,153,698

COLOR PHOTOGRAPHY AND CINEMATOGRAPHY

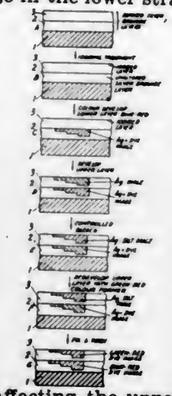
John Hubert Reindorp, London, England, assignor to Truecolour Film Limited, London, England, a British company

Application October 21, 1936, Serial No. 106,884

In Great Britain August 22, 1936

17 Claims. (Cl. 95—2)

1. A method of differentially processing to different colors latent images produced by exposure in different strata of an emulsion, which includes the step of treating the emulsion in a solution containing a soluble iodide of such concentration and for such a time that the outer stratum of the emulsion is rendered developable only by high reduction potential developers, treating the emulsion in a low reduction potential developer to develop an image in the lower stratum of the emulsion without affecting the upper stratum, developing an image in the upper stratum at any stage following the exposure and producing colored images in said strata.



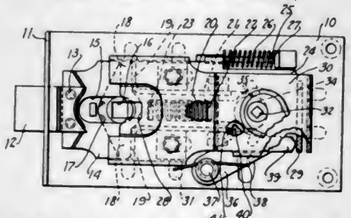
2,153,699

VEHICLE DOOR LATCH

Holden W. Rightmyer, Toledo, Ohio, assignor to The American Swiss Company, Toledo, Ohio, a corporation of Ohio

Application December 21, 1936, Serial No. 116,924

5 Claims. (Cl. 292—169)



1. A vehicle door latch comprising a spring tensioned latch bolt movable to and from latching position, a retractor for moving said bolt away from latching position, a dog for holding said retractor against operative movement, manual means for moving said dog to inoperative position enabling operative movement of said retractor, a detent separate from said dog and engageable with said dog for retaining same in inoperative position, spring means urging said detent into dog-engaging position, and means operable automatically to release said detent upon retraction of said bolt.

2,153,700

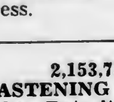
PREGNANONE COMPOUNDS AND A METHOD OF PRODUCING THE SAME

Arthur Serini, Berlin, and Lothar Strassberger, Berlin-Wilmersdorf, Germany, and Adolf Butenandt, Danzig-Langfuhr, Free City of Danzig, assignors to Schering Aktiengesellschaft, Berlin, Germany, a corporation of Germany

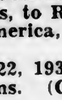
No Drawing. Application September 9, 1935, Serial No. 39,804. In Germany September 12, 1934

24 Claims. (Cl. 260—397)

1. The method of producing 3-pregnenones of the general formula $C_{21}H_{30}OX$ wherein X is a member of the group consisting of



and groups which on hydrolysis can be converted into the



group, which comprises subjecting a 3-keto compound of the pregnane series wherein one of two adjacent nuclear carbons is joined to a halogen atom, to the action of a substance which is capable of splitting off hydrogen halide from said compound and thereby creating a double bond.

2,153,701

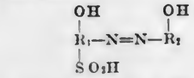
PROCESS FOR DYEING ANIMAL FIBERS WITH COMPLEX CHROMIUM COMPOUNDS OF AZO DYESTUFFS

Fritz Straub, Basel, and Hermann Schneider, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 18, 1937, Serial No. 126,520. In Switzerland February 26, 1936

4 Claims. (Cl. 8—43)

1. Process for dyeing animal fibers with complex chromium compounds of azo-dyestuffs of the general formula



wherein R_1 represents a naphthalene radical free of nitro groups and R_2 represents a naphthalene radical containing no substituent besides the hydroxyl group, and wherein the two hydroxyl groups stand in ortho-position to the azo-bridge, consisting in dyeing animal fibers in a dye-bath to which the complex chromium compounds of the azo-dyestuffs are added in portions during the dyeing process.

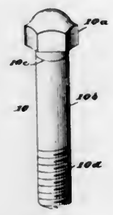
2,153,702

FASTENING DEVICE

George C. Tighe, Detroit, Mich., assignor, by mesne assignments, to Rustless Iron and Steel Corporation of America, a corporation of Delaware

Application May 22, 1935, Serial No. 22,855

3 Claims. (Cl. 85—1)



1. In manufactures of the class described, a fastening device comprising an austenitic rustless iron or steel portion and an iron or steel portion butt-welded thereto.

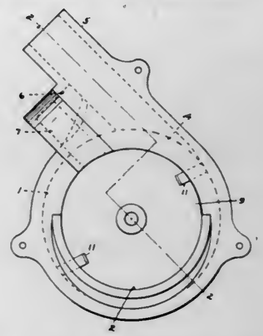
2,153,703

GRAIN CONVEYER

Howard M. Ullman, Bluffton, Ind.

Application August 4, 1937, Serial No. 157,358

3 Claims. (Cl. 198—128)



1. A device of the class described comprising an annular chamber having a feed opening in one side, the opposite side wall having a recess therein, a discharge conduit integral with and communicating with the chamber through the peripheral wall thereof, a disc revolubly mounted in the recess and having a plurality of blades on its exposed face to contact and eject the fed materials through the conduit, and a short by-pass formed on and integral with the conduit, and communicating therewith and opening directly into the chamber adjacent to the entrance into the conduit.

2,153,704

PROCESS FOR THE RECOVERY OF GLYCERIN

Karl Werner, Neu Isenburg, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, a corporation of Germany

No Drawing. Application July 16, 1938, Serial No. 219,663. In Germany July 16, 1937

6 Claims. (Cl. 260—637)

1. In a process for the recovery of glycerin from fermentation products containing glycerin, the step comprising extracting the glycerin from such products with pyridine.

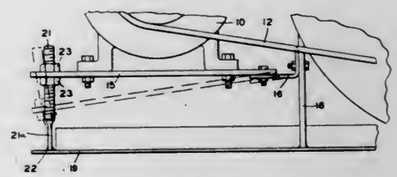
2,153,705

TENSION ADJUSTING DEVICE

Christian S. Andersen, Warren, Pa., assignor to Pennsylvania Furnace & Iron Co., Warren, Pa., a corporation of Pennsylvania

Application September 14, 1937, Serial No. 163,786

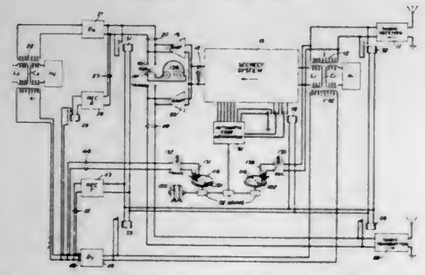
1 Claim. (Cl. 248—23)



Take-up means for a belt in driving relation with a shaft, comprising a base, support means for said shaft supported on said base and adjustable to various positions angularly about an axis parallel to said shaft, a bolt having one of its ends made substantially integral with said base as by

welding, means for adjustably and rigidly connecting the other end of said bolt with said support means, and said bolt having a portion sufficiently flexible to permit it to accommodate itself to adjustment of said support means.

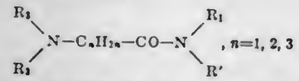
2,153,706
PRIVACY TESTING SYSTEM
Earle Clark Bascom, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 9, 1937, Serial No. 152,839
8 Claims. (Cl. 179—1.5)



1. The method of testing a secret signaling system of the type which includes privacy means for rendering speech signals applied thereto unintelligible by transposing the frequency components thereof in accordance with a transposition scheme which is changed from time to time in a predetermined manner, which comprises passing through said privacy means locally generated testing speech waves which have previously been rendered unintelligible by transposition of the frequency components thereof in accordance with a transposition scheme which is complementary to that effected by said privacy means on waves passed therethrough, and observing whether said testing speech waves are rendered intelligible by passage through said privacy means.

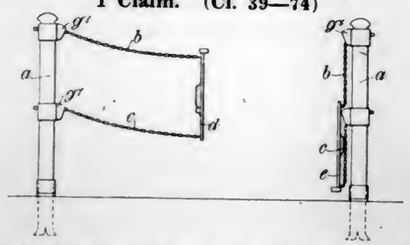
2,153,707
AMINO-ACID DERIVATIVES AND THEIR MANUFACTURE
Fritz Becherer and Martin Iselin, Riehen, near Basel, and Jakob Bindler, Basel, Switzerland, assignors to the firm J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application December 11, 1936, Serial No. 115,440. In Germany December 23, 1935
19 Claims. (Cl. 260—562)

15. As new products the amino-acid amides of the general formula:



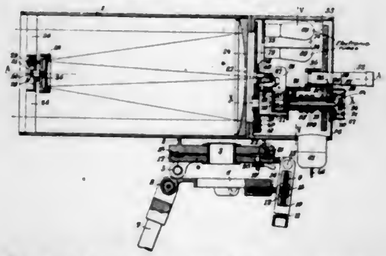
in which R_1 represents a radical selected from the group consisting of saturated and unsaturated alkyl radicals of high molecular weight containing more than 6 carbon atoms, R′ represents a radical selected from the group consisting of cycloalkyl, aralkyl and aryl, R_2 represents a radical selected from the group consisting of hydrogen, aliphatic, araliphatic, hydroaromatic and aromatic radicals, and R_3 represents a radical selected from the group consisting of aliphatic, araliphatic, hydroaromatic and aromatic radicals, and the salts and quaternary ammonium compounds of the said amino-acid amides.

2,153,708
PEDESTRIAN BARRIER
Bernard James Belsher, Barnet, England
Application December 8, 1936, Serial No. 114,835
In Great Britain February 26, 1936
1 Claim. (Cl. 39—74)



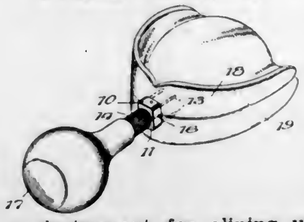
In a barrier, two hollow posts rigidly fixed in a spaced relation, flexible barriers extending from each post, a bar attached to the flexible barriers extending from one post, a second bar secured to the flexible barriers extending from the other of said posts, a lug carried by one of said bars at one end thereof, a second lug carried by the other of said bars at the end thereof opposite that of the first mentioned lug whereby said barriers may be joined by sliding one end of each bar into engagement with each lug, and locking means for preventing longitudinal movement of one bar with respect to the other of said bars.

2,153,709
APPARATUS FOR ESTABLISHING COMMUNICATIONS BY MEANS OF LIGHT
Jacques Bournisien, Asnieres, France
Application May 6, 1937, Serial No. 141,176
In France May 6, 1936
6 Claims. (Cl. 250—7)



1. An apparatus for establishing communications by means of visible or invisible, modulated light, comprising a front chamber open at the front, an optical system composed of a large concave mirror disposed at the rear of said chamber and having its concave face silvered and turned towards the front, and a small mirror placed at the front of said chamber and constituted by a plano-concave lens and having its concave face turned towards said large mirror, its opposite face being silvered, said large mirror being centrally provided with an opening and forming with the small mirror an optical system the focus of which is situated back of said opening, in combination with a rear chamber and means for sending or receiving modulated rays, rotatably mounted and adapted to be selectively placed at the said focus, a stationary support at the back of said rear chamber provided with a sleeve concentric to the optical system of mirrors, a telescope removably located in said sleeve whereby said telescope may be used in connection with said mirror system for sighting said apparatus.

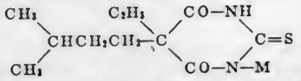
2,153,710
DENTAL INSTRUMENT
Lucian G. Coble, Greensboro, N. C.
Application March 10, 1938, Serial No. 195,144
5 Claims. (Cl. 32—19)



1. In an instrument for alining upper and lower bite rims, the combination of a body formed of separable sections, each section having a member adapted to penetrate one of said bite rims, means for releasably securing said sections together, and means for supplying a cooling medium to said rims in proximity to said rim penetrating members.

2,153,711
THIOBARBITURIC ACID COMPOUNDS
Arthur W. Dox, Windsor, Ontario, Canada, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 16, 1934, Serial No. 715,998
4 Claims. (Cl. 260—260)

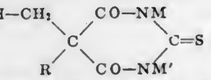
4. Sedative, hypnotic and sleep-producing compounds having the formula



where M is a member of the class consisting of hydrogen and a salt-forming basic group capable of replacing the hydrogen of the imino group.

2,153,712
THIOBARBITURIC ACID COMPOUNDS
Arthur W. Dox, Windsor, Ontario, Canada, assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 17, 1936, Serial No. 64,412
8 Claims. (Cl. 260—260)

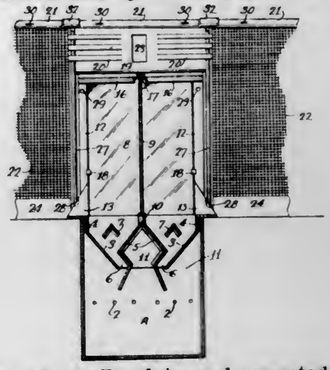
1. Thiobarbituric acid compounds having the formula



where R is a member of the class consisting of a saturated or unsaturated alkyl radical, a benzyl radical, a phenyl radical, and a phenethyl radical, where M is hydrogen and M′ is a member of the class consisting of hydrogen and a salt-forming group capable of replacing hydrogen.

2,153,713
GRASSHOPPER TRAP
Halvor Olsen Elane, Washington Island, Wis.
Application April 6, 1936, Serial No. 72,871
In Canada April 6, 1935
4 Claims. (Cl. 43—107)

1. A grasshopper trap having an underground pit-box, a pair of open overhead mouths, a pair of indirect slot-shaped throat openings communicating between said mouths and the interior of said pit-box, vertically disposed frames above said mouths, a main transparent baffle plate mounted in said frames, a pair of auxiliary perforated metallic baffle plates arranged transversely



to said main baffle plate and mounted in said frames, and main and auxiliary leads connected to and extending from said main and auxiliary baffle plates in continuation therewith as lead barrier walls.

2,153,714
HEAD MASK
Lloyd B. Fleming, Galveston, and Harry E. McIntosh, Texas City, Tex.
Application January 6, 1938, Serial No. 183,640
1 Claim. (Cl. 2—8)



A head protector including a support to be attached to the head, a pair of goggles movably attached to said support by connections permitting the goggles to be positioned close to the eyes to cover them, said connections including a pair of link members pivotally connected together, the outer end of one link member being pivoted to the support and the outer end of the other link member being pivotally connected to said goggles by a horizontal pivot whereby the goggles may be swung upwardly and downwardly relative to the longitudinal axis of the link member to which they are attached, said goggles when in eye protecting position presenting one of the link members below and substantially parallel with said support whereby the protecting positions of the goggles to fit different faces is changed by movements of the goggles horizontally of the head.

2,153,715
LAMINATED WOODEN PLATE
Gustaf Kähr, Nybro, Sweden
Application October 9, 1936, Serial No. 104,897
In Sweden October 19, 1935
3 Claims. (Cl. 20—91)

1. A laminated wooden plate comprising in combination, a plurality of rods arranged in par-

allel juxtaposition and a surfacing sheet covering the row of rods on either side, the fibres in said rows extending substantially in the longitudinal



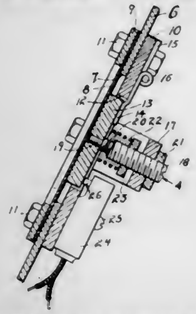
direction of the rods, the rods being formed with incisions extending alternately from all four sides of the rods to a depth such as to effectively sever the fibres at spaced intervals.

2,153,716

PRESSURE RESPONSIVE DEVICE

Zar W. Kelley, Cleveland, Ohio, assignor to The Carpenter Heating & Stoker Company, Cleveland, Ohio, a corporation of Ohio

Application July 19, 1937, Serial No. 154,464
6 Claims. (Cl. 200—52)



1. In a pressure responsive apparatus, associated with a bin or the like, a diaphragm arranged over an aperture in the wall of the bin, an inner ring holding the diaphragm on the bin wall, an outer ring on the bin wall secured thereto, and having an aperture therein coaxially of the diaphragm and smaller than the bin wall aperture, a disc in the outer ring aperture substantially filling the same and hingedly connected to the outer ring, a bridging member mounted on the outer ring and having an adjusting screw stud therein the inner end of which is adjacent to a portion of a disc, a spring abutting at one end on the disc to yieldingly hold it toward the diaphragm and in engagement therewith, an electric switch supported on the outer ring and means to communicate pressure effected movement of the disc to the switch to operate it.

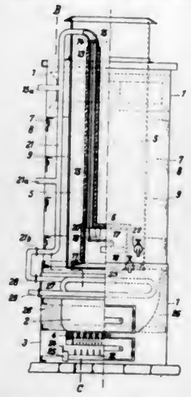
2,153,717

COMBINED HOT-WATER AND STEAM GENERATING DEVICE

Wilhelm Kiss, Aszod, Hungary

Application January 25, 1937, Serial No. 122,301
In Hungary January 24, 1936
8 Claims. (Cl. 122—37)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. In a combined hot-water and steam generating device, in combination, a combustion chamber, a smoke flue, a water vessel comprising a small water compartment adjacent to and subject to the heat of said combustion chamber, and a large water compartment above the said small compartment and adjacent to and subject to the heat of said smoke flue, said small water com-



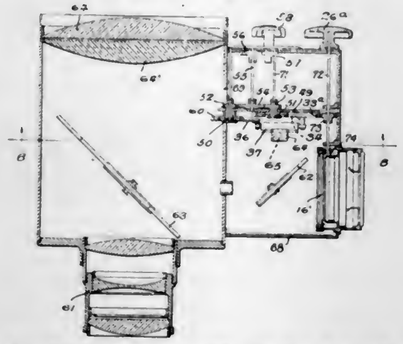
partment being submerged in said large compartment, said large compartment being arranged to communicate constantly both with the atmosphere and with the lower part of said small compartment, heat-insulating means between said compartments, a steam outlet pipe connected to said small compartment, and a water outlet conduit connected to said large compartment.

2,153,718

NAVIGATION APPARATUS FOR AIRCRAFT

Isaac Kitroser, Virofiay, France, assignor to Société Bronzavia, Paris, France, a society of France

Application July 27, 1935, Serial No. 33,605
In France July 31, 1934
7 Claims. (Cl. 88—1)



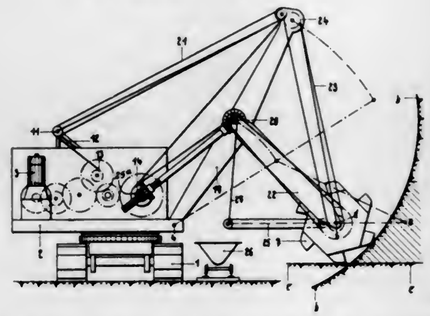
2. An apparatus for use on an aircraft for determining at any instant of time the point upon the ground where an object dropped at that instant from said aircraft will strike, comprising optical means producing an image of the landscape, means determining the angle of side drift of said aircraft, an arm extending parallel to the forward and aft direction of the aircraft and displaceable therefrom in accordance with said angle of drift determined by said determining means, a spot producing means adjustable upon said arm in accordance with flight factors and the drag coefficient of the object to be dropped, and means superposing a spot from said spot producing means upon said image of said landscape.

2,153,719

CONVERTIBLE EXCAVATOR

Joseph Albert Kuhsel, Altona, Germany

Application August 11, 1936, Serial No. 95,311
In Germany September 7, 1935
5 Claims. (Cl. 37—190)



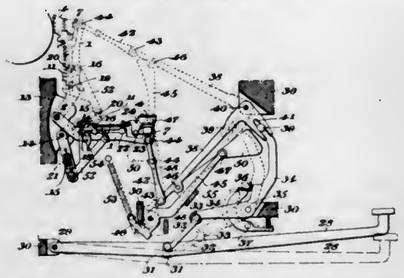
1. In a power-operated apparatus, a revolving platform, a swinging boom provided thereon, a rotatable bucket wheel excavating tool carried by said boom, a hoisting means for said boom, a driving mechanism for operating the excavating tool, a shaft and cooperating gears providing a driving connection between said driving mechanism and said bucket wheel for rotating the latter, and means whereby the effective length of said shaft is varied responsive to swinging of the boom to maintain an operative connection between the driving mechanism and the bucket wheel for rotating the latter.

2,153,720

NOISELESS TYPEWRITER

Riccardo Levi, Torino, Italy, assignor to the Firm Ing. C. Olivetti & C., Ivrea, Italy

Application July 14, 1936, Serial No. 90,602
In Italy July 16, 1935
8 Claims. (Cl. 197—37)



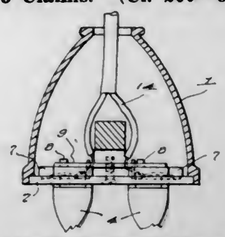
1. A typewriter comprising a frame, a type bar pivotally mounted on said frame, a type carrying member pivotally mounted on said type bar about an axis substantially tangential to the circle of movement thereof and arranged to lie substantially parallel to said type bar when said type bar is in the rest position, means for actuating said type bar, and a lever system connected between said type carrying member and said frame for causing said type carrying member to rotate during movement of said type bar into the correct position for writing.

2,153,721

SWITCH EQUIPPED MALE ELECTRIC PLUG

Fred L. Lottridge, Peru, Ind.

Application May 26, 1938, Serial No. 210,236
3 Claims. (Cl. 200—51)



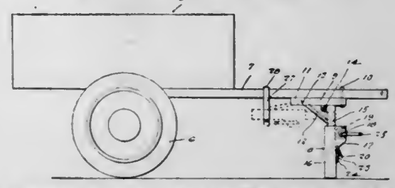
1. In an electric device of the class described, a body, a pair of contacts in the body, conductors connected with the contacts, a pair of prong members rotatably supported by the body and having tongues connected to their ends which are located in the body, the projecting parts of said prong members being of spiral shape, whereby when said parts are inserted into the slots of a female member, the prong members will be partly rotated to place the tongues in engagement with the contacts, the tongues moving out of engagement with the contacts when the prong members are withdrawn from the slots of the female member.

2,153,722

TRAILER TONGUE SUPPORTING JACK

William N. Loughmiller, Mitchell, Oreg., assignor of one-half to Charles R. Jackson, Mitchell, Oreg.

Application May 14, 1938, Serial No. 208,006
2 Claims. (Cl. 254—86)



2. In combination, a vehicle tongue, a jack at the free end portion of the tongue, said jack having a laterally disposed ear at the upper portion thereof, a lug depending from the tongue, a pivotal connection between the lug and the ear, the upper end of the jack being adapted to abut the tongue when the jack is in upright position, the upper portion of the jack being formed with a recess, a brace member, a pivotal connection between the brace member and the tongue at the vehicle side of the jack, said brace member having a bevelled free end portion for disposition in the recess of the jack.

2,153,723

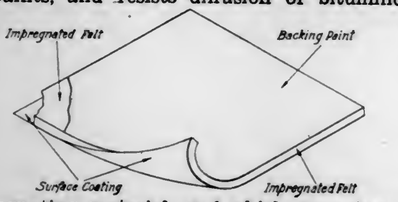
FLOOR COVERING MATERIAL AND COATING THEREFOR

Robert H. Pohl, Newark, N. J., assignor to Sloane-Blabon Corporation, Philadelphia, Pa., a corporation of Delaware

Original application February 18, 1933, Serial No. 657,350. Divided and this application November 6, 1936, Serial No. 109,496
11 Claims. (Cl. 91—68)

1. A floor covering or like sheet material comprising a felt base impregnated with a bituminous material and an exposed flexible paint

coating on the back thereof which is fire-resistant, nonadhesive to other surfaces, even tacky oil paints, and resists diffusion of bituminous



impregnating material, and which comprises an alkali silicate binder, inorganic pigments and a material chosen from the group consisting of rosin oil and rubber.

2,153,724
CLOSED SPIRAL PAPER CLIP
Howard D. Randall, Cincinnati, Ohio
Application August 10, 1936, Serial No. 95,076
5 Claims. (Cl. 24—261)



1. A paper clip consisting of a spirally wound resilient wire all parts of which are located substantially within a common plane and provided with free end portions located inwardly and outwardly of the spiral convolutions respectively, the outer of said end portions being bent inwardly out of the curve of the spiral into close engagement with the adjacent portion of the outer convolution.

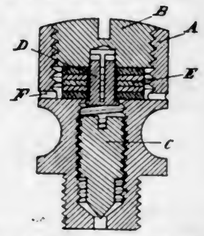
2,153,725
MUSICAL INSTRUMENT
Earl V. Sanders, Pawnee, Ill.
Application July 27, 1937, Serial No. 155,968
2 Claims. (Cl. 84—402)



1. A musical instrument, comprising, a base, cushioning means secured to said base, a plurality of tone producing members mounted on said base and supported by said cushioning means, each of said members comprising a tubular body of a size corresponding to the others, all of said members having aligned end sections formed with pairs of longitudinally extending slots of a different length than the pair formed in an adjacent member whereby actuation of each of said sections will produce a different natural note in the chromatic scale, some of said members having similar formed slots in the opposite end sections but of a different length whereby actuation of the sections of the last mentioned members are adapted to produce notes of a relative pitch to the notes produced by an opposite disposed respective end section.

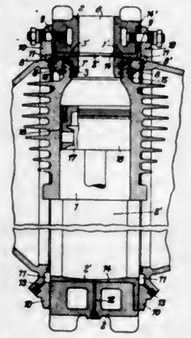
2,153,726
VENT DEVICE FOR HOT-WATER HEATING APPARATUS
Giorgio Scoppola, Rome, Italy
Application February 1, 1937, Serial No. 123,497
In Italy February 6, 1936
5 Claims. (Cl. 137—122)

1. Automatic air relief valve comprising a valve casing having a bore therethrough provided with inner and outer sets of internal screw threads, an inner screw plug engaging the inner set of threads, an outer screw plug engaging the outer set of threads, a space provided in the bore be-



tween said inner and outer plugs communicating with the atmosphere through openings in the wall of the casing, and hygroscopic sealing material placed in said space and subjected to an adjustable pressure by said outer screw plug.

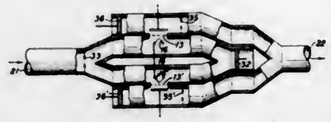
2,153,727
INTERNAL COMBUSTION ENGINE
Ignaz Sklenar, Rosslau, Dessau, Germany, assignor to Rima A. G., Glarus, Switzerland, a corporation of Switzerland
Application June 24, 1935, Serial No. 28,195
In Hungary June 28, 1934
10 Claims. (Cl. 123—190)



1. In an internal combustion engine with a plurality of cylinders, an annular ported slide valve common to all of said cylinders and having a spherically curved bearing surface, a separate sealing element between each of said cylinders and said valve, said sealing elements being movable relative to their respective cylinders, shoes for sealing the ports of said valve when the ports are out of registry with a cylinder, said sealing elements and said shoes having spherically curved bearing surfaces cooperating with the curved bearing surface of said valve, and peripherally extending channels for oil formed between said valve and said shoes by termination of the bearing contact between the valve and the shoes short of the lateral extremities thereof.

2,153,728
ULTRA HIGH FREQUENCY SIGNALING
George Clark Southworth, Red Bank, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application October 7, 1936, Serial No. 104,524
36 Claims. (Cl. 178—44)

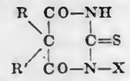
1. In a dielectrically guided wave system, a hollow guide for transmitting the waves, and means for amplifying the waves comprising an



amplifier with an input and an output circuit contained within the guide.

2,153,729
THIOBARBITURIC ACID DERIVATIVES
Ernest H. Volwiler, Highland Park, and Donalee L. Tabern, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application April 16, 1934, Serial No. 720,804
5 Claims. (Cl. 260—260)

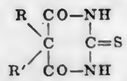
1. Anesthetic, sedative and sleep producing compounds having the formula:



in which R and R′ are members of the group consisting of saturated and unsaturated alkyl groups one of which contains more than three carbon atoms, and X is selected from the group consisting of hydrogen, alkali and alkaline earth metals and primary and secondary alkyl amines.

2,153,730
THIOBARBITURIC ACID DERIVATIVES
Ernest H. Volwiler, Highland Park, and Donalee L. Tabern, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application August 17, 1936, Serial No. 96,478
6 Claims. (Cl. 260—260)

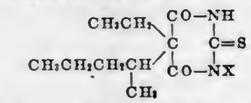
1. Anesthetic and hypnotic compounds having the formula:



in which R is selected from the group consisting of saturated and unsaturated alkyl groups and R′ represents a cycloaliphatic group.

2,153,731
THIO-BARBITURIC ACID DERIVATIVES
Ernest H. Volwiler, Highland Park, and Donalee L. Tabern, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application July 8, 1938, Serial No. 218,102
3 Claims. (Cl. 260—260)

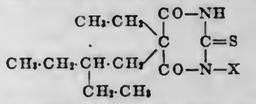
1. The compound having the formula:



where X is selected from the group consisting of hydrogen, alkali and alkaline earth metals and the primary and secondary alkyl amines.

2,153,732
THIO-BARBITURIC ACID DERIVATIVES
Ernest H. Volwiler, Highland Park, and Donalee L. Tabern, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application July 8, 1938, Serial No. 218,103
3 Claims. (Cl. 260—260)

1. The compound having the formula:



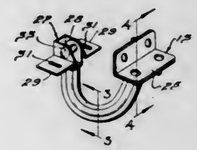
where X is selected from the group consisting of hydrogen, alkali and alkaline earth metals and the primary and secondary alkyl amines.

2,153,733
READY COMPUTER
Henry Watson, Calgary, Alberta, Canada
Application November 10, 1937, Serial No. 173,915
In Canada December 1, 1936
4 Claims. (Cl. 235—86)



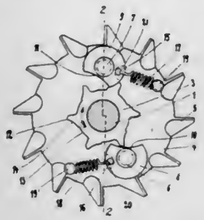
3. An instrument or the like comprising a casing, a transversely disposed window therein, a transverse roller freely journalled near each end of said casing, an endless belt running around said rollers, a portion of which is always in registry with and visible through said window, a row of perforations near each edge of said belt, an annular groove cut near each end of one of said rollers spaced equal with the distance between opposite rows of perforations in said belt, and belt moving sprockets engaging said belt at some point in the arc of contact of said belt with the grooved roller whose teeth are adapted to pass through the perforations in said belt and into said grooves.

2,153,734
HINGE
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 21, 1936, Serial No. 111,989
8 Claims. (Cl. 16—135)



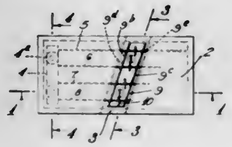
1. A hinge comprising a bracket and a leaf portion, said leaf portion formed of right and left hand stampings each having an offset end portion whereby to provide spaced extensions at one end thereof, aligned flanges at the opposite ends thereof, a reinforcing plate secured to said aligned flanges, said bracket receiving said spaced extensions and a pivot joining said bracket thereto.

2,153,735
NOISELESS ONE-WAY CLUTCH MECHANISM FOR THE SILENT RETURN OF THE PAPER CARRIAGE IN WRITING MACHINES
Fritz Wunderlich, Nuremberg, Germany, assignor to the firm Triumph-Werke Nurnberg A.-G., Nuremberg, Germany
Application March 19, 1937, Serial No. 131,946
In Germany March 20, 1936
2 Claims. (Cl. 192—46)



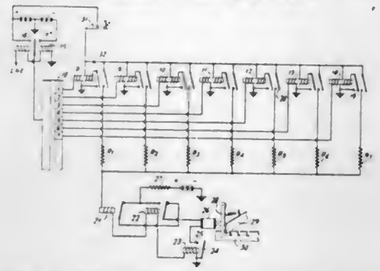
1. A noiseless return mechanism for the paper carriage in writing machines, comprising a stationary pivot mounted fast in the writing machine, a toothed coupling wheel rotatable upon the stationary pivot, an escapement wheel rotatable upon the stationary pivot, at least one substantially cylindrical key rotatably mounted eccentrically on one side of the escapement wheel, concave faces on the teeth of the coupling wheel, the radius of curvature of these concave faces being equal to that of the cylindrical key, a tension spring secured at one end to the escapement wheel and at the other end to the rotatable key to hold the key normally in a mid position to either side of which it can rotate by stretching the spring, and the concave faces on the coupling wheel being adapted in certain positions to bear against the periphery of the rotatable key, the rotatable key being formed with a recess in its periphery to permit the teeth of the coupling wheel to deflect it and pass it in one direction of rotation, and the radius of the peripheral surface of the coupling wheel in the spaces between its teeth, plus the radius of the cylindrical key, being slightly less than the distance between their axes, so that the key can oscillate past its contact position.

2,153,736
TUNE INDICATING DEVICE FOR STRINGED MUSICAL INSTRUMENTS
Frederick J. Alyn, San Diego, Calif.
Application June 2, 1937, Serial No. 146,004
3 Claims. (Cl. 84—455)



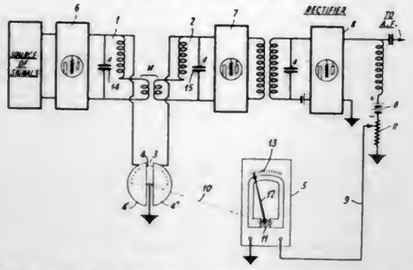
1. In a tune indicating device for stringed musical instruments, a casing, means for enclosing said casing so that it is inaccessible, a plurality of tuning wires of stepped length supported wholly at their one ends near one end of said casing, a pair of partitions extending across said casing provided with holes therein through which said wires extend, and a dangle member positioned on each wire between said partitions.

2,153,737
ERROR DETECTING DEVICE FOR PRINTING TELEGRAPH RECEIVERS
James A. Spencer, Teaneck, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 10, 1937, Serial No. 147,398
7 Claims. (Cl. 178—69)



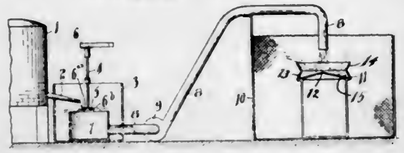
1. In a printing telegraph receiving system, a printer, selective means for causing said printer to print a character in response to the reception of a single unmutilated multi-element code signal, a plurality of code-element responsive devices, code element impulse counting means comprising a plurality of parallel impedance circuits each respectively closable by one of said responsive devices, and means including a plurality of error-detecting relays operable under control of currents through said impedance circuits, said currents being established upon reception of a single mutilated code signal for causing an error-indicating character to be printed in place of the character intended to be selected by the first said means.

2,153,738
AUTOMATIC FIDELITY CONTROL CIRCUITS
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application July 29, 1933, Serial No. 682,743, now Patent No. 2,088,229, dated July 27, 1937. Divided and this application January 28, 1937, Serial No. 122,714
4 Claims. (Cl. 250—20)



3. In a high frequency wave transmission network comprising at least two resonant circuits coupled together by magnetic coupling of predetermined fixed value, and wherein said resonant circuits are tuned to a common operating wave frequency, reactance means common to said circuits and independent of said magnetic coupling, said reactance means being constructed and arranged for adjustment in such a manner that it increases the frequency of one of the resonant circuits upon decreasing the frequency of the other resonant circuit and without affecting the said magnetic coupling, and means, responsive to wave amplitude variation, for automatically controlling the adjustment of said common reactance.

2,153,739
APPARATUS FOR AND METHOD OF FORMING MINERAL WOOL FROM FUSIBLE SOLIDS
Charles Richard Buss, Thorold, Ontario, Canada, assignor to Spun Rock Wools, Limited, Thorold, Ontario, Canada, a company
Application December 10, 1936, Serial No. 115,169
12 Claims. (Cl. 83—91)

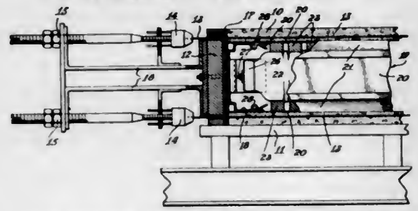


1. In apparatus for forming mineral wool from fusible solids, the combination with a furnace, of a rotary member having a downwardly and outwardly inclined peripheral portion; said peripheral portion having a plurality of closely spaced small V-shaped annular ribs formed in its upper surface, the inner sides of said ribs being narrow with a slight upward inclination, and the outer sides of said ribs wide with a slow downward inclination; means for rotating said member; and means for depositing molten material from said furnace in a small stream on to said inclined peripheral portion of the rotary member.

2,153,740
SPIRIT SOLUBLE BLUE DYES
Paul Whittier Carleton and Harold Edward Woodward, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1937, Serial No. 162,138
10 Claims. (Cl. 260—314)

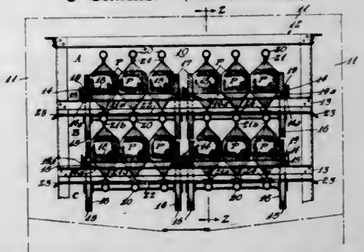
1. A spirit soluble color composition comprising the salt of an aryl-guanidine and a water soluble phthalocyanine compound selected from the group consisting of sulfonated and carboxylated phthalocyanines.

2,153,741
PROCESS OF MAKING REINFORCED HOLLOW SLABS
Walter H. Cobi, New York, N. Y.
Application December 14, 1936, Serial No. 115,729
5 Claims. (Cl. 25—154)



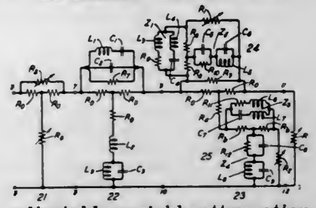
1. The process of making a reinforced hollow slab of moldable material which comprises longitudinally tensioning the reinforcements of said slab while simultaneously longitudinally compressing a core within said slab during setting of the material and then prestressing the slab when set from the stress in said reinforcements to facilitate removal of said core.

2,153,742
APPARATUS FOR QUICK FREEZING OF FOOD PRODUCTS
Chester J. Conn, Smithtown Branch, N. Y.
Application March 18, 1937, Serial No. 131,555
3 Claims. (Cl. 62—104)



3. In an apparatus of the class described, spaced perforated conveyors upon which food products are disposed for movement in bank formation for treatment, conduits between the respective conveyors and having spaced and vertically opposed nozzles for discharging spray refrigerant upwardly and downwardly against the food products, and separator plates supported on said conduits for defining separate freezing zones for said food products and having apertures through which the upwardly extending nozzles of said conduits project for permitting discharge of refrigerant in a zone above the separator plates, said separator plates having downwardly sloping edges, whereby used spray refrigerant after heat exchange with the food products in the respective zones may be directed out of said zones and away from the remaining zones.

2,153,743
ATTENUATION EQUALIZER
Sidney Darlington, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 22, 1937, Serial No. 165,055
14 Claims. (Cl. 178—44)



1. An adjustable variable attenuation equalizer for transmission lines comprising a basic network, a single variable impedance, a variable attenuator and a variable building-out network connected between said variable impedance and said basic network, and a pair of inversely related variable impedances under unitary control associated with said building-out section for adjusting its transfer constant, said equalizer having a preassigned normal insertion loss characteristic for assigned normal values of said variable impedances, variations of said single impedance from its normal value serving to add to or subtract from said normal characteristic proportional parts of a preassigned frequency-variable loss characteristic, variations of said inversely related impedances from their normal values serving to adjust said frequency-variable characteristic by adding thereto or subtracting therefrom proportional parts of another preassigned frequency-variable loss characteristic, and adjustment of

said variable attenuator serving to adjust the maximum values of the parts of said preassigned frequency-variable loss characteristics produced by the variations of said adjustable impedances.

2,153,744
PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Leonard L. Faure, Kirkwood, Mo., assignors to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application February 28, 1938, Serial No. 193,062
4 Claims. (Cl. 196—4)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-insoluble salt of an alicyclic amine of the kind characterized by the absence of an aryl radical as a substituent for an amino hydrogen atom; said amine salt being obtained from water-soluble non-hydrophobe petroleum sulfonic acid of the green acid type.

2,153,745
PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application February 28, 1938, Serial No. 193,063
4 Claims. (Cl. 196—4)

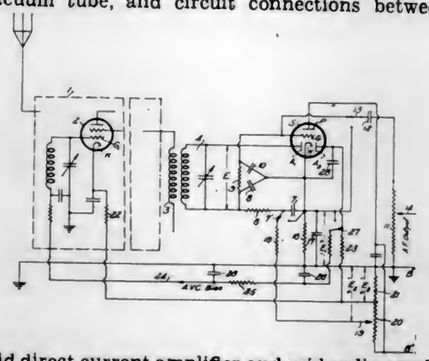
1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-insoluble salt of an alkyl amine of the kind characterized by the absence of an aryl radical as a substituent for an amino hydrogen atom; said amine being characterized by the fact that at least one amino hydrogen atom has been replaced by an alkyl radical containing at least five carbon atoms; said amine salt being obtained from water-soluble nonhydrophobe petroleum sulfonic acid of the green acid type.

2,153,746
PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application February 28, 1938, Serial No. 193,064
4 Claims. (Cl. 196—4)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a water-insoluble salt of an aralkyl amine of the kind characterized by the absence of an aryl radical as a substituent for an amino hydrogen atom, said amine being obtained from water-soluble non-hydrophobe petroleum sulfonic acid of the green acid type.

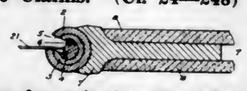
2,153,747
AUTOMATIC GAIN CONTROL
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application February 3, 1933, Serial No. 655,117
1 Claim. (Cl. 250—20)

In a radio receiver, the combination with a radio amplifier and a rectifier, of a direct current amplifier including a vacuum tube having a cathode cooperating with a plate and a control grid, a plate circuit resistance connected between the cathode and ground, circuit elements for impressing the direct current voltage output of said rectifier upon the direct current amplifier to decrease the direct current output of the amplifier as the direct current output of said rectifier increases, means preventing the development of rado voltages between the elements of said vacuum tube, and circuit connections between



said direct current amplifier and said radio amplifier for transferring to said radio amplifier a gain control voltage which automatically reduces the gain of the radio amplifier as the strength of a radio signal impressed thereon increases, wherein said radio amplifier includes a tube having a cathode and a control grid, in combination with a source of direct current and means initially impressing upon the cathode and control grid of said amplifier tube different positive potentials which bias said amplifier tube for high amplification.

2,153,748
CLAMP
Robert R. Frederick, Morrisville, Pa., assignor to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware
Application January 21, 1937, Serial No. 121,534
6 Claims. (Cl. 24—248)

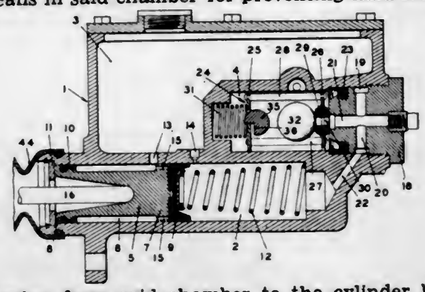


1. A clamp for gripping the edge of a sheet material which comprises a slotted tube securely fixed to a holder, a grooved circular element including a slotted tube and a grooved core placed within said first-named slotted tube, and substantially concentric thereto, and means to move said grooved circular element with relation to the fixed slotted tube.

2,153,749
COMBINED MASTER CYLINDER AND BRAKE HOLDING MEANS
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application October 11, 1937, Serial No. 168,310
6 Claims. (Cl. 192—13)

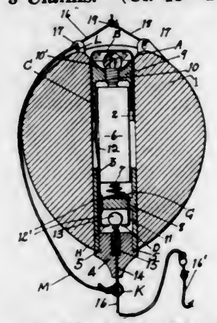
1. A combined master cylinder and holding means for fluid-actuated brakes of a vehicle comprising a single casting provided with a cylinder, a reservoir above the cylinder and a chamber positioned in said reservoir, a piston reciprocable in the cylinder, means forming a passage

between the cylinder and the chamber, means forming an outlet from the chamber, and valve means in said chamber for preventing fluid from



flowing from said chamber to the cylinder but not in the opposite direction, and means operable from the exterior of the chamber for causing said valve means to be ineffective.

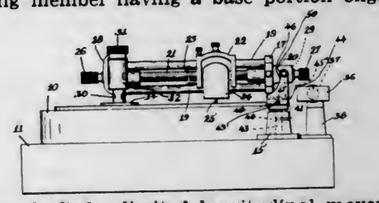
2,153,750
FISHLINE FLOAT
William S. Goertzen, Newton, Kans.
Application January 10, 1938, Serial No. 184,156
3 Claims. (Cl. 43—17)



1. In a fish line float, a body axially bored, the bore being funneled at one end thereof, a translucent thimble inserted in the funneled end of the bore, a skirted lamp socket positioned in the thimble, a lamp engaging in the socket, the lamp being enclosed by the thimble, a sleeve having a medially positioned head therein, the sleeve being inserted in the bore at the other end thereof, a battery positioned in the bore, one end of the battery being in contact with the lamp and being supported by the socket skirt, the other end of the battery being supported by the inner end of the sleeve, a switch mechanism carried by the sleeve, and a line to actuate the switch.

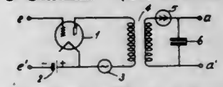
2,153,751
SOUND RECORDING APPARATUS
Isidore H. Goldman, Brooklyn, N. Y.
Application January 26, 1938, Serial No. 186,945
4 Claims. (Cl. 274—13)

1. In a recording apparatus having an overhead feed assembly including a cutting head driven by a lead screw and a driving flange for the lead screw associated with the central pin of a turntable, a bearing standard, a shaft having an annular groove and being rotatably secured therein engaging means on the standard loosely fitting on said groove for effecting limited vertical displacement of said shaft, a connecting member having an upper yoke portion to which the overhead feed assembly is swivelably secured for vertically angular movement, the said connecting member having a base portion engaged



to the shaft for limited longitudinal movement of the overhead feed assembly relative to the bearing standard.

2,153,752
DIRECT CURRENT AMPLIFIER CIRCUITS
Rudolf Gürtler, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 3, 1935, Serial No. 34,523
In Germany August 8, 1934
3 Claims. (Cl. 179—171)



1. In combination with a source of direct current potential to be amplified, an amplifier tube having its input electrodes coupled to said source, a source of alternating current coupled to the output electrodes of the tube, a rectifier, a transformer coupling the output circuit of the amplifier and the rectifier and transmitting to the latter an alternating potential modulated by said direct current, said rectifier being connected solely to the secondary of said transformer and means in circuit with the rectifier for smoothing a uni-directional voltage developed from the rectified modulated alternating currents.

2,153,753
COMBINED DILATING AND MASSAGING DEVICE
Thomas R. Hayton, Chicago, Ill.
Application July 15, 1935, Serial No. 31,407
5 Claims. (Cl. 128—341)

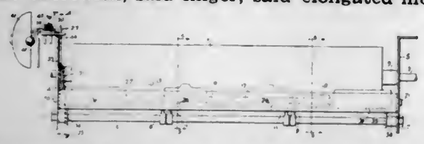


5. A combined dilating and massaging device comprising a central inflexible member of a length and size permitting it to be inserted through the urethra and into the neck of the bladder, and a rigid circular hand hold adjustably mounted thereon to concentrically surround the same and of a size to comfortably receive the male organ when said member is inserted therein.

2,153,754
SIGNALING DEVICE
Charles William Heineman and Edgar B. Thomas, Connersville, Ind.
Application October 13, 1936, Serial No. 105,409
3 Claims. (Cl. 197—189)

1. In combination with a typewriter having a platen and line spacing mechanism thereon, an angle strip having an aperture therein carried

below said platen and adjacent thereto for spacing a paper sheet therefrom, an elongated movable member arranged with its axis parallel with the axis of said platen, a spring pressed finger carried by said elongated movable member and having a cam portion thereon extending below and adapted to be resiliently urged into said aperture, an arm carried on said elongated movable member movable therewith, signal means associated with said line spacing mechanism and movable therewith, said finger, said elongated mov-

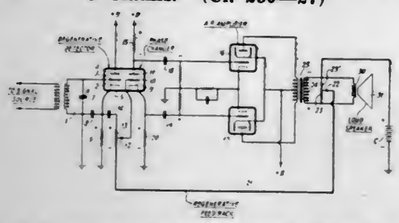


able member and said arm adapted to be moved in one direction upon cooperation of said cam portion with the entering edge of a paper sheet and in the reverse direction when the bottom edge of the paper sheet has passed said cam portion, said arm adapted to be moved into position for engagement with said signal means when the bottom edge of the paper sheet has passed said cam portion whereby said signal means will function upon operation of said line spacing mechanism.

2,153,755
BEADED SURFACES
Dale Glendon Higgins, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 9, 1937, Serial No. 119,835
10 Claims. (Cl. 91—68)

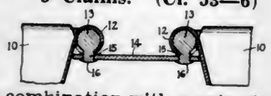
1. A decorated fabric comprising an opaque base and discrete transparent particles of polymeric methyl methacrylate uniformly spaced and firmly attached thereto.

2,153,756
AUDIO AMPLIFIER CIRCUIT
Seymour Hunt, Jackson Heights, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 24, 1937, Serial No. 176,217
6 Claims. (Cl. 250—27)



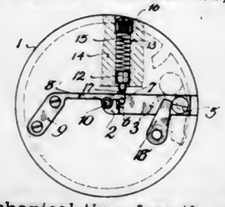
1. In combination with a signal source, a detector adapted to derive audio voltage from impressed signals, a phase changer tube, said detector including an output impedance, means connecting the control grid of the phase changer tube to a desired point on the detector output impedance, a path between the cathode of said phase changer tube and a point on said detector output impedance which assumes a negative potential with respect to the first point, said path including an impedance developing an audio voltage thereacross which is impressed on said phase changer control grid in degenerative phase to the audio voltage developed across said detector output impedance, an audio utilization network including a third impedance included in said path, and said third impedance developing an audio voltage thereacross which is in regenerative phase with the voltage developed across said detector output impedance.

2,153,757
STAY FOR PAN SETS
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Original application February 23, 1937, Serial No. 127,329. Divided and this application March 21, 1938, Serial No. 197,232
5 Claims. (Cl. 53—6)



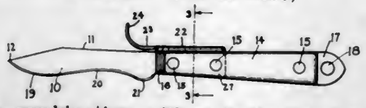
1. The combination with a pair of spaced pans, each having a bead containing a wire on the adjoining walls thereof, of a stay interposed between said pans, and studs projecting from the wires in said beads to pass through the stay.

2,153,758
MECHANICAL TIME FUSE
Helmut Junghans, Schramberg-Sulgen, Germany
Application July 24, 1937, Serial No. 155,445
In Germany May 17, 1935
3 Claims. (Cl. 102—36)



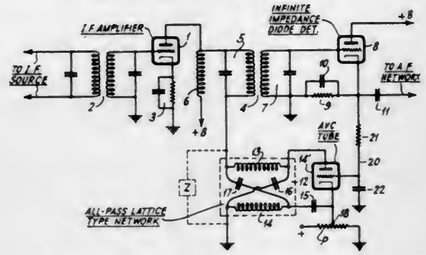
1. In a mechanical time fuse the combination with firing control means, of a shiftable element controlling said means, a resilient lock lever adapted for locking and releasing said shiftable element, a movable bolt engaging said lock lever, a spring behind said bolt for causing a pressure on said lever, means for adjusting the pressure of said spring and a percussion pin for releasing said lock lever against the combined resilient forces of said lever and spring.

2,153,759
KNIFE
Arthur Katzinger, Glencoe, Ill., assignor to Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,401
1 Claim. (Cl. 30—286)



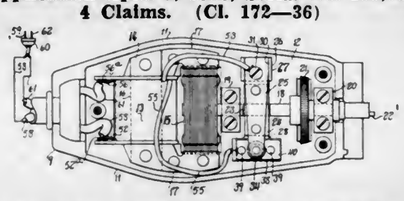
The combination with a knife blade having an unsharpened edge and a handle shank, of a handle section fixed to each side of said shank and having an edge in alignment with the unsharpened edge of said blade, a finger rest flush upon the edge of the handle sections aligned with the unsharpened edge of the blade and having an extension positioned forwardly of said handle sections, and an angularly disposed plate on said rest engaged between one handle section and said shank.

2,153,760
AUTOMATIC VOLUME CONTROL CIRCUITS
Charles N. Kimball, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 17, 1937, Serial No. 174,943
13 Claims. (Cl. 250—20)



5. In combination with a source of electrical waves, a load impedance connected to said source, a network electrically connected with said load impedance, said network being of the type whose input impedance bears a predetermined relation to the magnitude of its terminating impedance, said input impedance being electrically connected with said load impedance in such a manner that a change in the magnitude of said input impedance varies the alternating current voltage developed across said load impedance, and means for varying the magnitude of said terminating impedance.

2,153,761
MAKE-AND-BREAK ELECTRIC-MOTOR DEVICE
Walter Kohlhagen, Waterbury, Conn., assignor to The Waterbury Clock Company, Waterbury, Conn., a corporation of Connecticut
Application April 4, 1938, Serial No. 199,783
4 Claims. (Cl. 172—36)

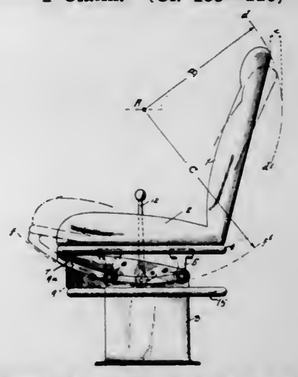


1. An electric-motor device, comprising: a field-magnet member having salient poles; a rotor positioned to be propelled by the magnetic flux from the said field-magnet member; an energizing coil-structure for the said field-magnet member; and a circuit-breaker operatively connected to the said rotor for being actuated thereby, and having two cooperating relatively-movable contacts; the said energizing coil-structure having an inner coil-section provided with two terminals and an outer coil-section also provided with two terminals and superimposed upon and circumferentially surrounding the exterior of the said inner coil-section; one of the terminals of the said inner coil-section being electrically connected to one of the said cooperating contacts of the said circuit-breaker, and one of the said terminals of the said outer coil-section being electrically connected to the other of the said cooperating contacts of the said circuit-breaker, the remaining terminal of each of the said coil-sections being connectable to a source of electrical energy.

2,153,762
TREATMENT OF FURS AND SKINS
Wolf Kritchevsky, Chicago, Ill., assignor to Ninol, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application October 2, 1936, Serial No. 103,670
26 Claims. (Cl. 149—28)

1. The process of treating furs to improve their luster and to decrease the tendency of the hair or wool thereon to curl and become spotted due to the presence of moisture which includes the steps of impregnating said furs with iodine and then subjecting the resulting iodine-impregnated furs to a lustering operation to impart a luster thereto.

2,153,763
ADJUSTABLE SEAT
Otto Kuhler, New York, N. Y.
Application December 29, 1936, Serial No. 118,036
1 Claim. (Cl. 155—116)

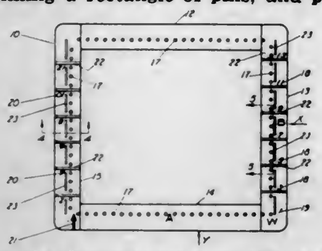


An adjustable seat comprising a combined seat and back-rest member, a tubular frame structure mounted upon and supporting said seat member, a pair of curved guide members spacedly disposed upon and depending from said frame structure whereby one end of each guide member is permanently joined to said frame structure while the other end remains free and unconnected, a plurality of wheel members disposed upon and rotatably mounted upon a pair of shafts, and said shafts spacedly connected to the curved guide members, a pair of stationary and oppositely positioned vertical supporting members the upper parts of which are provided with a suitably curved slot and track arrangement to movably engage said curved guides and wheels, a clutch member disposed to engage one of said stationary supporting members and one of said curved guide members comprising a combined hub and handle member and a flanged-nut member, said hub member terminating into a threaded stud engaging said flanged nut member which in turn is securely mounted upon the corresponding curved guide member, and said hub and flanged nut members disposed to engage and disengage with the respective outer and inner sides of said vertical supporting member.

2,153,764
HAND LOOM
Evelyn M. Lewis, Bell, Calif.
Application September 20, 1937, Serial No. 164,627
8 Claims. (Cl. 139—34)

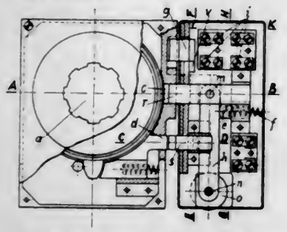
1. A hand loom comprising a rectangular

frame, rows of pins of substantially uniform height along the sides of the frame, substantially defining a rectangle of pins, and palpable



indicia on the frame apart from the pins, indicating groups of the pins, to facilitate the use of the loom.

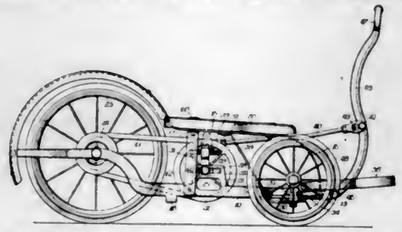
2,153,765
ELEVATOR DOOR LOCK
Wilhelm Mahlke, Vienna, Austria
Application December 30, 1937, Serial No. 182,386
In Austria June 12, 1937
3 Claims. (Cl. 187—31)



1. In an elevator door lock to be opened only at predetermined positions of the elevator in its shaft in which a follower element of the lock is disposed opposite a suitable cam surface, separate door and frame casings for the lock mechanism, said frame casing comprising a slidable bolt adapted to project into a suitable aperture in the door casing, a swing lever having one end thereof pivoted to said bolt and carrying on its opposite end said follower element for cooperation with said cam surface, a spring acting on said swing lever adjacent the pivoted end thereof to normally hold said bolt in said projected position and said follower element out of contact with said cam surface, and an opened slide having one end projecting from said frame casing and the other end disposed for action on said lever intermediate said follower element and spring in a direction opposite to that of the force exerted by the latter, said door casing comprising a handle and a reciprocable thrust member controlled by said handle and adapted to actuate said opener slide in the frame casing in closed position of the door.

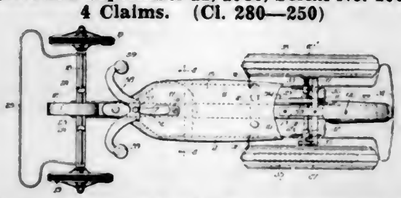
2,153,766
VELOCIPEDE
Allan L. McGregor, Chicago, Ill.
Application April 16, 1936, Serial No. 74,672
3 Claims. (Cl. 280—248)

1. A propulsion mechanism for a three wheel velocipede having a frame formed with longitudinal side members, transverse end members, and a central longitudinal upright member secured at its ends to said end members, a single driving wheel journaled between the rear portions of said side members, a front axle structure vertically swiveled at its center to the front portion of said frame, steering wheels on the ends of said front axle structure, and a seat mounted on said central longitudinal frame member in advance of said driving wheel, comprising a propulsion lever pivoted at its lower end to the front end of said frame, a transmission pulley journaled on the intermediate portion of said frame beneath said



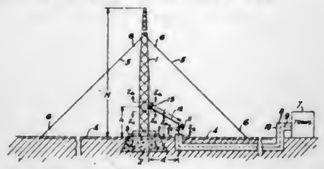
seat and formed with a peripheral V-groove, a pulley attached directly to said driving wheel and formed with a peripheral V-groove, a drive belt of V-cross section trained over said pulleys, and a pitman connection between the intermediate portion of said propulsion lever and said transmission pulley.

2,153,767
VELOCIPEDE
Allan L. McGregor, Chicago, Ill.
Application September 11, 1936, Serial No. 100,292
4 Claims. (Cl. 280—250)



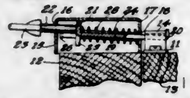
1. In a velocipede of the type described, the combination with a chassis frame, front and rear supporting wheels, a rear axle journaled in said frame fast with at least one of the rear wheels, and a driver's seat mounted on said frame, of a vertical shaft journaled in a bearing on said frame, transmission mechanism from said shaft to said rear axle, a horizontal crank arm fast on the upper end of said shaft, and a handle bar pivoted on said crank arm.

2,153,768
ANTENNA SYSTEM
John F. Morrison, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 9, 1936, Serial No. 78,751
11 Claims. (Cl. 250—33)



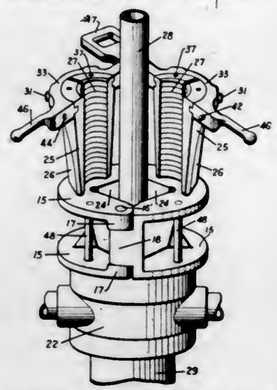
1. In combination, an antenna connected to a conducting surface through a path of zero impedance for energy of the operating frequency and having a length other than a quarter wavelength or an odd multiple thereof, and energizing means connected to an intermediate point of said antenna.

2,153,769
WINDOW LATCH
Elias H. Nabham, Brooklyn, N. Y.
Application June 28, 1938, Serial No. 216,219
1 Claim. (Cl. 292—114)



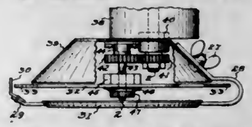
A window latch comprising a housing and having an opening in its front wall and opening in its rear wall, a bolt slidably mounted therein at an angle to the horizontal, said bolt passing through said openings, said openings being relatively large to permit vertical movement of said bolt therein, a tongue on said bolt intermediate its length within said housing and extending upward toward the roof of the housing, guide pins secured in the rear wall of said housing and extending forward therein at substantially the same angle as said bolt, ears on said tongue having openings therethrough, said pins passing through said openings, coiled expansion springs surrounding said pins between said rear wall and said ears, heads on the free ends of said pins within the housing, said bolt having an upturned hook on its rear end for engaging a keeper comprising an inverted U-shaped member, said hook engaging the rear of said keeper in latched position and said springs in said latched position normally urging said hook to remain in said latched position, elevation of the front end of said bolt causing said tongue to strike the roof of said housing, continued elevation of said front end of said bolt causing said bolt to swing about the point of contact between said tongue and roof as a pivot and to lower said hook out of engagement with said keeper, said springs thereupon serving to urge said bolt and said hook thereon forward to a position clear of said keeper.

2,153,770
SLIP ASSEMBLY
Jeddy D. Nixon, Houston, Tex., assignor, by mesne assignments, of fifty per cent to Wilson Supply Company
Application July 9, 1936, Serial No. 89,842
5 Claims. (Cl. 24—263)



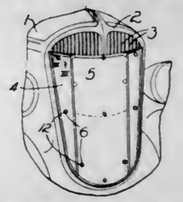
5. A slip assembly including, a head having a vertical opening therein provided with angular sides having flat faces with their upright edges spaced apart, and slips fitting in said head opening and having inclined flat back faces angularly disposed and engaging the flat faces of the angular sides of the opening, the upright intersections between the flat faces of the slips standing in the spaces between the upright edges of the faces of the opening without contact with the head, whereby the flat faces of the slips are free to firmly contact the faces of the opening without limitation by the upright edges of said slips, the lower end of each slip section being reduced and the major portion of each slip being arcuate, said arcuate portion partially surrounding the upper portion of the flat slip face, the inclined flat slip face extending from the arcuate portion to the bottom of the reduced portion at a single continuous pitch.

2,153,771
GRASS CUTTER AND HEDGE TRIMMER
John Alexander Orr, Chicago, Ill.
Application May 4, 1936, Serial No. 77,661
3 Claims. (Cl. 56—25)



3. In a grass cutter and hedge trimmer, a motor casing, a skirt at one end thereof, an angular bracket secured to said skirt and extending transversely thereof, a pan-shaped runner of lesser diameter than the free end of said skirt secured to said bracket, and a guard hook secured to said bracket and extending upwardly beyond the free edge of said skirt.

2,153,772
RADIATOR COVER AND SCREEN FASTENER
Joseph W. Osten, Wilmette, Ill.
Application June 1, 1937, Serial No. 145,643
3 Claims. (Cl. 85—5)

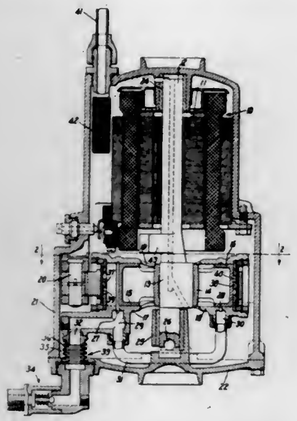


1. A radiator grille cover fastener comprising a hooked stem member, having spaced notches along the length thereof forming projecting burrs, and a passaged clamping member slidably adjustable on the stem member for coaction with the burrs to hold the clamping member releasably locked in a set position of adjustment on the stem member.

2,153,773
COMPRESSOR UNIT FOR REFRIGERATION AND OTHER APPLICATIONS
Leonida Patrignani, Bacedasco (Piacenza), Italy, assignor to Edison Calatroni, Paris, France
Application February 27, 1936, Serial No. 65,979. Renewed September 21, 1938. In France October 10, 1935
5 Claims. (Cl. 230—175)

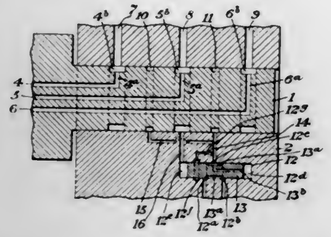
1. In a device of the character described, a housing having an inlet and an outlet, a shaft mounted in said housing, means for driving said shaft, an eccentric on said shaft, a collar fitting over said eccentric, aligned pistons connected to said collar at diametrically opposite points,

aligned cylinders receiving said pistons and connected with each other to form a rigid assembly, outlets for said cylinders discharging into said housing which serves as a receiver for com-



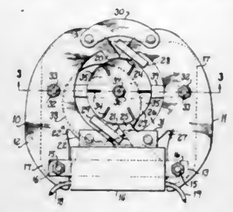
pressed liquid, inlets for said cylinders connected with the inlet for said housing, and means connecting said cylinders with said housing whereby a sidewise movement is imparted to said cylinders during the reciprocation of said pistons.

2,153,774
FLUID SEAL
Edward J. Poitras, Jackson Heights, and James D. Tear, Great Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application July 15, 1936, Serial No. 90,664
3 Claims. (Cl. 286—27)



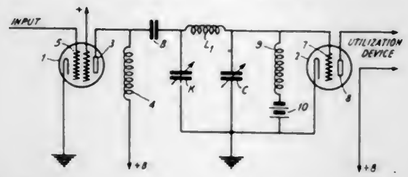
1. In a device having a chamber for a hydraulic medium under pressure and having two contiguous surfaces between which the hydraulic medium may pass, means for effecting a seal to prevent the passage of the hydraulic medium between the contiguous surfaces comprising a sealing groove in one of the contiguous surfaces, and a pressure regulator for maintaining liquid in the sealing groove under pressure including a cylindrical valve chamber having an inlet and exhaust port and a port communicating with the sealing groove, a hydraulically actuated piston valve within the valve chamber for controlling communication between the sealing groove port and the inlet and exhaust ports, the valve being actuated in accordance with opposing pressures, one of which being the pressure of the liquid in the sealing groove.

2,153,775
SELF-STARTING SYNCHRONOUS ELECTRIC MOTOR
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application March 13, 1936, Serial No. 68,674
5 Claims. (Cl. 172—278)



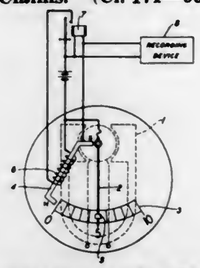
1. A self-starting synchronous electric motor, including in combination: a rotor having a plurality of salient poles, each of which is less than 0.010 inch thick and transversely flexible independently of the others; an energizing-coil; a pair of complementary pole-pieces respectively extending from the opposite ends of the said coil, each of the said pole-pieces being provided with a pair of polar-projections extending toward the said rotor, one polar-projection of a given pole-piece being located adjacent the said coil, and the other polar-projection being located remotely therefrom and substantially diametrically opposite one of the polar-projections of the other pole-piece; one polar-projection of each of the said pole-pieces being shaded and located in substantial contact with the unshaded polar-projection of the other pole-piece.

2,153,776
IMPEDANCE MATCHING COUPLING SYSTEM
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 7, 1936, Serial No. 62,784
6 Claims. (Cl. 178—44)



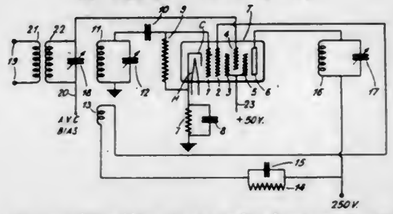
5. In a reactance network fed by a source of alternating currents and feeding into a load, such network being constituted by a transformer having its primary shunted by a variable capacitor and its secondary shunted by a second variable capacitor, said transformer having a relatively high coefficient of coupling, the method of matching the overall impedance of the load and the network to said source of alternating currents which comprises adjusting the second capacitor to a relatively large value, adjusting the first capacitor so as to make the load impedance a substantially pure resistance, then reducing the capacity of the second capacitor and readjusting the first capacitor in the order named until an efficient transfer of energy is obtained from said source to said load while maintaining said load as a substantially pure resistance.

2,153,777
MEASURING INSTRUMENT
Leland K. Swart, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1937, Serial No. 122,544
5 Claims. (Cl. 171—95)



1. In an electrical measuring device, a pointer actuated by said device, a rider of magnetic material attached to said pointer, a magnetic stop for attracting said rider to hold said pointer in a fixed position after it has been moved a certain distance in the direction of the magnetic stop and means operated a certain interval after the rider has been attracted by said magnetic stop for causing it to cease attracting said rider and to release it.

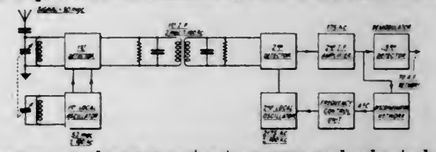
2,153,778
CIRCUIT ARRANGEMENT
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1933, Serial No. 668,231
Renewed October 1, 1937
10 Claims. (Cl. 250—20)



1. In combination, in a radio frequency oscillation generator, a vacuum tube having a first grid and cathode, an input circuit tuned to a predetermined radio frequency connected to said cathode and first grid, a plate-grid and a plate in said tube, a circuit connected to said plate-grid including a coil conductively connected to said plate-grid and inductively coupled to said input circuit for feeding back energy to said input circuit to cause said tube to generate radio frequency oscillations, an output circuit tuned to a radio frequency connected to said plate and cathode, and an additional feed-back connection between said plate and input circuit.

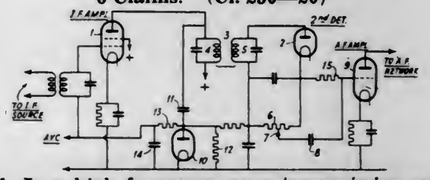
2,153,779
AUTOMATIC OSCILLATOR FREQUENCY CONTROL SYSTEM
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 4, 1935, Serial No. 4,793. Divided and this application December 12, 1936, Serial No. 115,562
9 Claims. (Cl. 250—20)

1. In a superheterodyne receiver of the type comprising a pair of frequency changer networks arranged in cascade and a local oscillator connected to each of said frequency changers, the local oscillator connected to the second frequency changer being operated at a fixed frequency value and the local oscillator connected to the first frequency changer being tunable over a desired frequency range, an automatic frequency control system including a discriminator network having an input circuit connected to receive the second



frequency changer output energy and adapted to produce a direct current voltage whose magnitude is dependent solely upon the frequency shift of the energy in the output of said second frequency changer from an assigned frequency value, and a frequency control device connected between the fixed frequency oscillator and the discriminator network, responsive to said direct current voltage, for adjusting the resonance of said fixedly tuned local oscillator in a direction such as to compensate for said shift.

2,153,780
TUNING INDICATION CIRCUIT
Carel Jan van Loon, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 30, 1936, Serial No. 77,080
In Germany August 29, 1935
6 Claims. (Cl. 250—20)

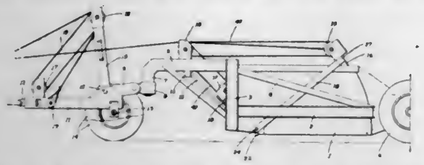


1. In a high frequency wave transmission system of the type including at least two resonant circuits and a wave responsive tube, one of said circuits having a relatively sharper selectivity characteristic than the other and both circuits being tuned to a common wave frequency, means for deriving a direct current voltage from said other circuit when waves of approximately the tuned frequency are impressed on the system, means for applying said voltage to the responsive tube in a sense to render the latter inoperative, a second means for deriving a direct current voltage from said sharper circuit when waves are impressed on the system of a frequency substantially closer to said tuned frequency than said approximate frequency, means for applying the second direct current voltage to said responsive tube in a sense to nullify the effect of said first voltage, and additional means for utilizing said first voltage as an automatic gain control voltage for the system.

2,153,781
CARRIER SCRAPER
Russell E. Vote, Stockton, Calif.
Application July 20, 1937, Serial No. 154,570
5 Claims. (Cl. 37—126)

1. A scraper comprising a frame mounted for movement along the ground, side plates on the

frame, a bottom and back plate unit disposed between the side plates and forming a bowl therewith, pivot trunnions mounted on the unit at the sides and adjacent the forward end of the bottom plate, said trunnions projecting to the outside of the side plates, a cross beam at the



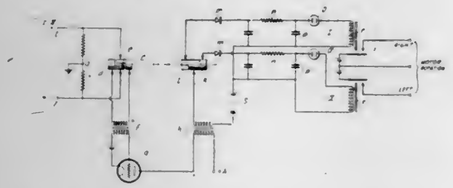
back of the unit extending over the side plates, bars extending forwardly from and rigid with the beam and engaging the trunnions at their outer end, and pull means applied to the unit at the rear in a direction to swing the unit about the trunnions.

2,153,782

AUTOMATIC ADJUSTING MEANS FOR ROTARY SYSTEMS, PARTICULARLY DIRECTION-FINDERS

Rudolf Weber, Leipzig, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application November 26, 1937, Serial No. 176,551
In Germany September 9, 1936
5 Claims. (Cl. 250—11)



1. A control device including a rotatable shaft and a motor for rotating said shaft, means responsive to the angular deviation of said shaft from a predetermined position for deriving a potential, the polarity of which is dependent upon the direction of deviation and the magnitude of which is dependent upon the angle of said deviation, means responsive to said potential for generating impulses, the polarity of said impulses being dependent upon the polarity of said potential and the frequency of said impulses being proportional to the magnitude of said potential and means for applying said impulses to said motor whereby said shaft is rotated to its predetermined position.

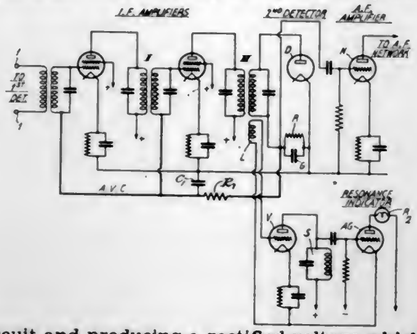
2,153,783

RADIO RECEIVER TUNING INDICATOR

Theodorus Josephus Weyers, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

Application February 28, 1935, Serial No. 8,600
In Germany July 2, 1934
1 Claim. (Cl. 250—20)

In a superheterodyne receiver including at least a pair of intermediate frequency amplifier tubes coupled by a bandpass network, a demodulator coupled to the second tube by a bandpass network, each of said networks having a substantially rectangular resonance wave characteristic, the networks being tuned to the operating intermediate frequency, automatic volume control means connected between said demodulator and said tubes, a weakly damped resonant circuit which is normally independent of said networks but is sharply tuned to the mid-band frequency of said networks, means for coupling the resonant circuit to the second of said bandpass networks, a rectifier coupled solely to said sharply tuned



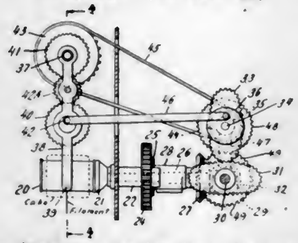
circuit and producing a rectified voltage which is dependent only upon the intermediate frequency energy transferred to said sharply tuned circuit from said second network, and a visual current indicator, coupled solely to the rectifier, for indicating the resonance condition of the receiver, and said volume control means being constructed and arranged to vary the gain of said amplifier tubes in response to receive signal amplitude variations.

2,153,784

WINDING YARN

Vaughn E. Wheeler, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware

Application January 27, 1937, Serial No. 122,483
7 Claims. (Cl. 242—43)



1. In a traverse mechanism the combination which comprises a rocking arm mounted to swing on an axis, a filament guide mounted on the rocking arm remote from the axis, a rotatable first crank mounted on the rocking arm remote from the axis, means for rotating the first crank, a second rotatable crank mounted at one side of the rocking arm, means for rotating the second crank, and a connecting rod pivoted to the two cranks.

2,153,785

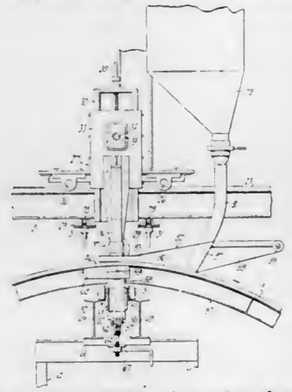
ELECTRICAL WELDING MACHINE

George D. Williams, South San Francisco, Calif., assignor to Western Pipe & Steel Company, San Francisco, Calif., a corporation of California

Application October 19, 1936, Serial No. 106,321
10 Claims. (Cl. 219—8)

1. In a machine of the character described for forming an electrical weld connection between

the ends of steel pipe sections, means engaging two adjacent and alined pipe sections for rotating the same about a horizontal axis, a welding head overlying the sections adjacent the circular junction between the same, said welding head serving to automatically supply a welding rod or wire to said junction, a backing up bar on the inner side of the pipe sections and slidably engaging the region of said junction immediately below said welding rod or wire, and means for supporting said backing bar, said last means including a wheeled carriage whereby said structure together with the backing bar can be moved in a direction longitudinally of the pipe sections.



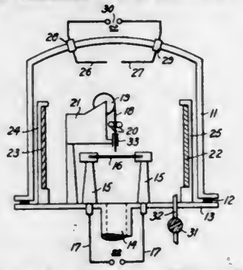
4. In a machine of the character described for forming a circular electrical weld seam between the ends of steel pipe sections, means engaging two adjacent pipe sections for rotating the same about a horizontal axis, an automatic electrical welding head overlying the pipe sections adjacent the circular junction between the same, said welding head serving to feed a welding rod or wire to said junction, an open bottomed trough encompassing the region adjacent said welding rod or wire, the lower side edges of the trough being spaced apart and disposed on opposite sides of the seam in close juxtaposition to the surface of the pipe, and means for continuously supplying a powdered flux material to said trough.

2,153,786

PROCESS AND APPARATUS FOR THERMAL DEPOSITION OF METALS

Paul Alexander and Andor de Dáni, Huyton, England; said de Dáni assignor to said Alexander

Application July 14, 1937, Serial No. 153,548
In Germany July 17, 1936
9 Claims. (Cl. 91—12.2)



1. Apparatus for the deposition of a film on a support by evaporation in a vacuum in a chamber comprising means for supporting wire of any convenient form of cross-section of the material to be evaporated, a heater, means for heating the heater to a temperature above the evaporation point of the material at the vacuum employed, and means for feeding the wire towards the heater so that its end contacts with the heater.

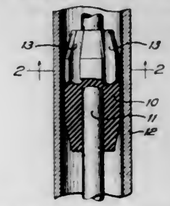
4. Process for the deposition of a film on a support by thermal evaporation in a vacuum, characterised by the material to be evaporated being fed towards a heater at a rate so low, while the temperature of the heater is so much above the evaporation temperature of the material at the vacuum employed, that the material is evaporated substantially as soon as it comes into contact with the heater.

2,153,787

SUCKER-ROD GUARD

David R. Anderson, Dallas, Tex., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application July 16, 1937, Serial No. 154,015
1 Claim. (Cl. 308—4)



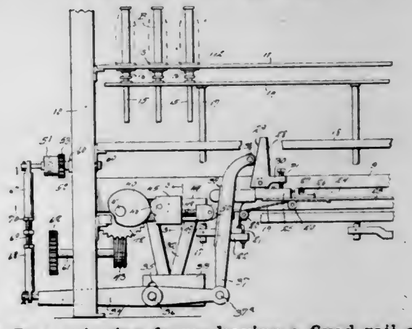
A sucker-rod guard for oil wells consisting of a ring made of a composition comprising a gamma polyvinyl chloride and plasticizer slightly soluble in oil, whereby said ring is caused to grip the sucker-rod when the oil extracts the plasticizer and causes the ring to shrink.

2,153,788

BUILDER MOTION

Guy E. Branch, Lowell, Mass., assignor to Abbot Worsted Company, Graniteville, Mass., a corporation of Massachusetts

Application March 17, 1938, Serial No. 196,493
19 Claims. (Cl. 242—43.7)



1. In a spinning frame having a fixed rail and a movable rail, one carrying spinning rings and the other carrying spindles, a builder mechanism including a lever pivoted at one end, movement transmitting means between the free end of the lever and the movable rail, means operatively engaging directly with the middle of the lever and acting through rectilinear movement to continuously oscillate said lever, said means having a fixed stroke, and means to repeatedly shift the

lever longitudinally to thus vary the distance between the fulcrum of the lever and the point of application of the said oscillating means thereto.

2,153,789
IRRIGATION AND DRAINAGE TUBE
Firman L. Carswell, Johnson County, Kans., and Otto W. Schmidt, Kansas City, Mo.
Application November 13, 1937, Serial No. 174,386
3 Claims. (Cl. 61—13)



1. A tubular section comprising a channel member having out-turned longitudinal flanges at its opposite edges, each flange being off-set outwardly throughout its length, a transversely corrugated plate secured along the open side of said channel to said flanges, between said off-set flange portions and in spaced apart relation thereto whereby openings to said tube are formed to permit the flow of liquid to and from said tube.

2,153,790
DRAINAGE TUBE
Firman L. Carswell, Johnson County, Kans., and Otto W. Schmidt, Kansas City, Mo.
Application January 10, 1938, Serial No. 184,302
7 Claims. (Cl. 61—10)



1. A drainage tube comprising a sheet metal channel having outwardly extended longitudinal flanges at its upper edges; a substantially planar sheet secured in spaced relation to said flanges and extending therebeyond whereby tubular openings to said tube are formed between said sheet and channel flanges at spaced relation relative to the longitudinal edges of said sheet.

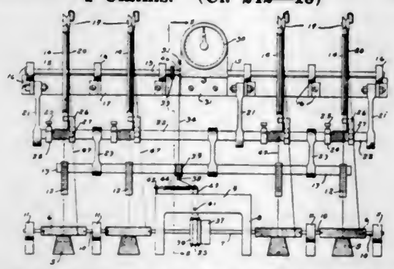
2,153,791
METHOD AND COMPOSITION FOR STRIPPING FIBROUS MATERIALS
Hiram B. Channon, Portsmouth, Va., assignor to Virginia Smelting Company, Portland, Maine, a corporation of Maine
No Drawing. Application November 20, 1935, Serial No. 50,792
15 Claims. (Cl. 8—102)

4. Method of stripping dye from waste fibrous materials, composed largely of animal fibers such as wool, which comprises the step of treating the same with a solution of zinc hydrosulphite, characterized by being substantially neutral.

11. A dye stripping solution for waste fibrous materials, composed largely of animal fibers such as wool, characterized by consisting of a solution of freshly prepared zinc hydrosulphite plus an alkaline compound of an alkali metal which is substantially neutral.

12. Method of preparing dye stripping reagents comprising the step of reacting a solution of zinc hydrosulphite with approximately one-half equivalent of an alkali metal compound, thereby to render the same substantially neutral.

2,153,792
MULTIPLE WINDING AND MEASURING MACHINE
William C. Classe, Anniston, Ala., assignor to Classe Ribbon Works, Inc., a corporation of Alabama
Application March 15, 1937, Serial No. 130,966
4 Claims. (Cl. 242—18)



1. In a winding machine, a common means for effecting the delivery of equal lengths of yarn to form a plurality of strands to be wound on receivers, a plurality of jointly rotated bobbins to receive said strands, and means to insure the application of equal lengths of yarn on said bobbins, comprising a set of spring arms and a tension regulating guide on the free end of each arm over which a strand of yarn is deflected as it passes from said delivery means to a bobbin, the guides being set in position for their arms to flex and displace them relatively responsive to any relative variation in tension coming on their respective strands, and each guide being a pulley mounted so as to engage its supporting arm as it is displaced with braking effect to increase the drag on the passing yarn responsive to an increase in the tension on the yarn strand it controls, thereby more tightly to wind the bobbin it controls.

2,153,793
ROD AND TUBING PULLING MACHINE
M. L. Dennis, Moran, Tex.
Application December 5, 1936, Serial No. 114,481
2 Claims. (Cl. 254—139)



1. A rod and tubing pulling machine comprising a mast including a bifurcation on one end defining a slot, a sheave rotatably mounted in said slot, plates mounted on opposite sides of said sheave, a substantially U-shaped frame mounted on the bifurcation and extending across the free ends thereof, spaced arms projecting from said frame and engaged with the outer sides of the plates, securing bolts for the frame extending through the bifurcation and the plates, one of said bolts also extending through said arms, and spacers for the plates mounted on said securing bolts.

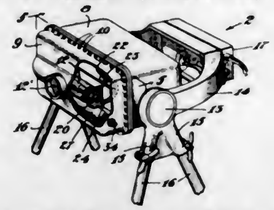
2,153,794
SHOE FORM
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application June 10, 1938, Serial No. 212,925
5 Claims. (Cl. 12—128.2)

1. A shoe form consisting of a toe member and a back part member, said toe member comprising a hollow element having ball flanges thereon, a rod supported on each flange and extending longitudinally thereof, each said rod being sinuous and provided with a plurality of recesses, cross braces connecting said flanges, the end of one cross brace being pivotally secured to one flange and the end of the other cross brace being pivotally secured to the other flange, the free end of



each cross brace being provided with a loop which rides on the rod carried by that flange to which the other cross brace is secured and lands on the various recesses thereon, and means connecting said back part member to both cross braces whereby, in response to pressure exerted by the back part member, the braces are swung pivotally to expand or contract laterally the wall of the toe member.

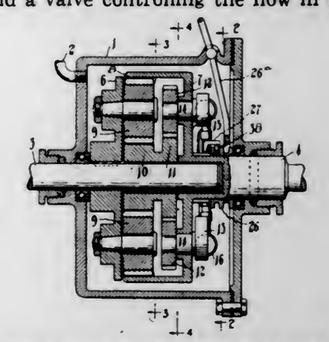
2,153,795
X-RAY APPARATUS
Robert A. Fischer, Glendale, Calif.
Application November 3, 1937, Serial No. 172,547
4 Claims. (Cl. 250—89)



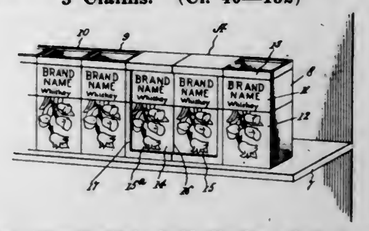
1. X-ray apparatus comprising a housing adapted to be filled with oil and having an X-ray discharge window, X-ray generating means in said housing and oil pressure relief means in said housing operating when the oil is expelled by the heat from said X-ray generating means, said relief means including a collapsible resilient tubular member closed to the entrance of oil therein and open to the atmosphere and being disposed between certain opposed walls of the housing and arranged so that opposite sides of the circumferential walls thereof will move towards one another when the member collapses.

2,153,796
VARIABLE HYDRAULIC TRANSMISSION GEARING
Daniel Walter Fletcher, Toronto, Ontario, Canada, assignor to Flexi-Drive Limited, Toronto, Ontario, Canada
Application December 20, 1937, Serial No. 180,762
5 Claims. (Cl. 74—294)

1. In variable speed gearing the combination of alined driving and driven shafts; a driving disk secured to the driving shaft; a driven disk secured to the driven shaft; an internal gear ring secured to the driven disk; planet gears journalled on the driving disk and meshing with the internal gear ring; a sun gear loose on the driving shaft and with which the planet gears mesh; a pump mounted on the driven disk; gearing whereby the pump is driven from the sun gear; a circulatory system in which the pump is included and carried by the driven disk; a reservoir of liquid with which the circulatory system is connected which also forms a casing for the gearing; and a valve controlling the flow in the system whereby more or less resistance may be provided to the relative movement of the ring and driving disk.



2,153,797
ILLUMINATED SHELF DISPLAY SIGN
Alexander C. Fletcher, Chicago, Ill., assignor to Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of West Virginia
Application December 27, 1938, Serial No. 247,968
5 Claims. (Cl. 40—132)

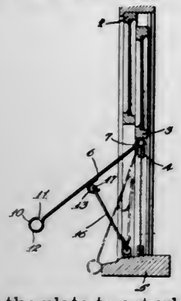


4. An illuminated shelf display sign comprising a blank having a front panel with an opening therein and an edge frame extending about the opening, side walls crease-hinged to the sides of the panel, rear walls crease-hinged to the side walls, said rear walls having extensions crease-hinged diagonally thereon, said extensions having overlapping parts with registering openings therein, one of said extensions having a protruding tongue, a top wall coming off the top of the panel and crease-hinged thereto, a rear flap crease-hinged to the outer part of the top wall and having a cut away portion for receiving said tongue, a lamp socket projecting through the alined openings and in communication with an external source of electric current supply, and a lamp in said socket within the shadow box.

2,153,798
STORM SHIELD FOR WINDOWS
Clinton A. Grimes, Philadelphia, Pa.
Application August 6, 1938, Serial No. 223,535
3 Claims. (Cl. 156—15)

3. A window rain shield designed to be mounted within a window opening, comprising a plate body having one longitudinal edge rolled to form a body on the axial center of which the plate may oscillate, said rolled edge having its ends extended beyond the transverse end edges of the plate to form trunnions for engagement between the sash guide strips of a window frame, the opposite longitudinal edge of the plate being rolled to form a water receiving trough, said trough

having a drain opening, a supporting arm, means for oscillatably securing an end of the arm to the sill of a window frame beneath the plate, the other end of the arm being designed for sliding



contact with the plate to act when in one position as a prop for the plate, and resilient means connected between the said securing means and the arm and normally acting to urge the arm into plate propping position.

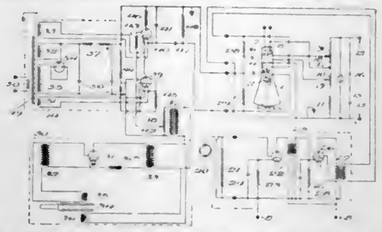
2,153,799
SKIRT MARKER
Frances Hagner, Barstow, Md.
Application March 5, 1938, Serial No. 194,194
5 Claims. (Cl. 33—10)



5. In a skirt gage, a base, a driven spindle rising from said base, an impression plate hinged to said base and normally disposed parallel to said spindle, a staff hinged to said spindle and normally disposed parallel to said plate, and a chalk holder carried by said staff and adapted upon each rotation of said spindle to engage with said plate; said staff and plate adapted to hinge and lie parallel with said base.

2,153,300
MUSICAL INSTRUMENT TUNING APPARATUS
Lester B. Holmes, Garden City, Kans.
Application August 10, 1936, Serial No. 95,212
12 Claims. (Cl. 84—454)

1. In apparatus for tuning musical instruments the combination of a standard frequency oscillation generator having an electromagnetic device and a plurality of tuning forks of different predetermined standard frequencies, movable supporting means for said tuning forks for moving selected ones of said forks into predetermined relationship with the magnetic circuit of said electromagnetic device and means for setting the selected fork into vibration as said fork is moved into said predetermined relationship, a pick-up device for producing pulsating electric currents of certain sound frequencies of a musical instrument the frequency characteristics of which are to be determined, a cathode ray tube having a screen, means for generating a beam of cathode rays and a plurality of electrodes for controlling said beam, means for impressing any one of a plurality of said standard frequencies on selected

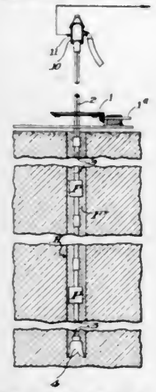


electrodes of said cathode ray tube for sweeping said beam across said screen and means for amplifying and impressing electric currents corresponding to said pulsating electric currents upon other electrodes of said cathode ray tube for deflecting said cathode ray beam in accordance with said sound frequencies as said beam is swept across said screen whereby the frequency characteristics and sound quality of said instrument may be observed.

2,153,801
ACID-AMINE CONDENSATION PRODUCT
Almon G. Hovey, Pleasant Ridge, and Theodore S. Hodgins, Detroit, Mich., assignors to Helmuth Reichhold, doing business as Reichhold Chemicals, Detroit, Mich.
No Drawing. Application June 10, 1937, Serial No. 147,569
2 Claims. (Cl. 260—2)

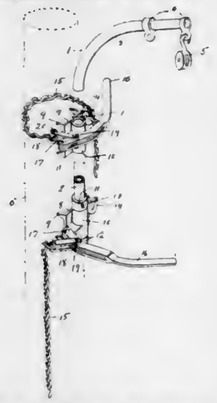
1. A process for producing a resinous mass which comprises reacting isobutyl amine and a polyfunctional carboxylic acid, said amine and said acid constituting the principal reacting components.

2,153,802
METHOD AND APPARATUS FOR CONTINUOUS EXPLORATION OF BORE HOLES
John Jay Jakosky, Los Angeles, Calif.
Application November 23, 1936, Serial No. 112,207
15 Claims. (Cl. 175—182)



1. In the drilling of a bore hole with a drilling apparatus comprising a drill stem extending within the bore hole and a drill bit at the lower end of said drill stem, the method of exploring the strata traversed by the bore hole, which comprises: taking a measurement in an electrical circuit including the drill stem, the drill bit as one electrode, another electrode connected to the earth at a position remote from the bore hole, and the portion of the earth included electrically between said electrodes; and repeating such measurement to determine variations in an electrical characteristic of said included portion of the earth, with the drill bit electrode at different depths within the bore hole, while maintaining a body of poorly conductive fluid in the bore hole and around said drill stem, said other electrode being sufficiently distant from said bore hole so that variations in said measurements will be produced by changes in an electrical characteristic of the different portions of the earth included electrically between said electrodes as said drill bit electrode is moved to different depths in said bore hole.

2,153,803
HOISTING APPARATUS
Ben D. Jerabek, Hutchinson, Minn.
Application June 1, 1938, Serial No. 211,256
1 Claim. (Cl. 212—61)

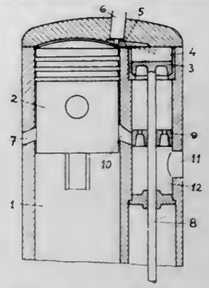


Hoisting apparatus for attachment to the side of a pole comprising a crane having a straight shank and a laterally extending upper end, and means to attach said shank to said pole in upright position comprising a pair of upper and lower spur carrying plates on which said shank is rotatably mounted, a pair of chains connected to one side of said plates, respectively, to be trained around said pole, and manipulative means for drawing each chain taut, against the pole comprising a hand lever pivoted on each plate and having limited swinging movement inwardly toward the plate, a pair of links pivoted to each hand lever and connected to the related chains, each pair of links in the limit of movement of the related lever being swung past a dead center position relative to the pivot of the lever, each plate together with the chain, lever and links related thereto being detachable from the shank as a unit.

2,153,804
NONSTAINING ANTIOXIDANTS
Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 24, 1936, Serial No. 76,203
6 Claims. (Cl. 18—50)

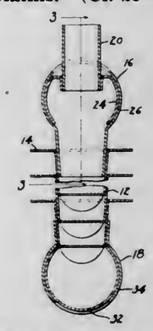
1. The method of retarding the deterioration of rubber which comprises treating rubber with an alpha hydroxyphenylamino fatty acid.

2,153,805
INTERNAL COMBUSTION ENGINE
George Stephen Kammer, Budapest, Hungary
Application June 16, 1937, Serial No. 148,578
In Germany June 12, 1936
3 Claims. (Cl. 123—33)



1. A compression ignition engine comprising a working cylinder and working piston, an auxiliary cylinder, a piston valve therein for the admission of combustion and scavenging air, an auxiliary piston to vary the volume of the end of the auxiliary cylinder, a restricted communication between the end of the auxiliary cylinder and the working cylinder, common means for respectively operating the piston valve and the auxiliary piston to uncover the admission port and reduce the volume of the end of the auxiliary cylinder when the working piston is near the end of its expansion stroke, and to cover the admission port and increase the volume of the end of the auxiliary cylinder when the working piston is in position on its compression stroke producing compression pressures in the working cylinder which result in ignition temperatures, and a fuel injection nozzle located in the restricted communication between working cylinder and auxiliary cylinder and producing a fuel jet directed into the latter.

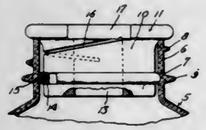
2,153,806
METHOD OF FORMING A HEAT EXCHANGE DEVICE
John Karmazin, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 7, 1935, Serial No. 20,206
3 Claims. (Cl. 29—157.3)



1. The method of forming a heat exchange device which comprises the steps of forming a header by forming a pair of channel-like strips, each strip having a substantially circular segmental cross-section and an open longitudinal side and one strip having a plurality of tube engaging openings with integral tubular flanges along one wall thereof, longitudinally telescoping said pair

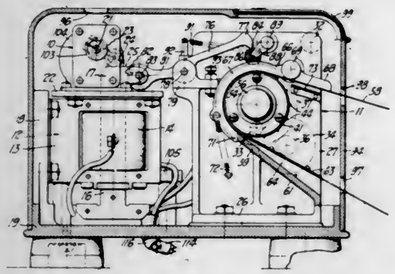
of short lengths of strip together with the circular portions overlapping throughout approximately half their circumference, placing end cups over the ends of the telescopes, assembling a plurality of tubes into engagement with said openings and bonding the tube and header structure together with a sealing medium.

2,153,807
JAR CAP OR CLOSURE
Margaret E. Kleinert, South Bend, Ind.
Application July 7, 1938, Serial No. 218,003
2 Claims. (Cl. 215—48)



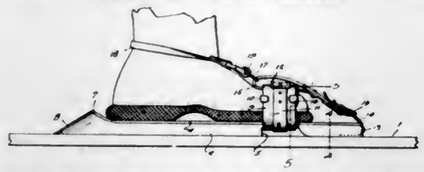
1. A closure for preserving jars comprising a body of an external diameter to freely enter a neck of a jar, a flange formed on one end of the body to engage with edges of the neck, said body having a groove, a gasket located partly within the groove adapted to enter the groove of the neck, said flange having scalloped edges to permit a firm grip to be obtained thereon, said body adjacent said flange increasing in external diameter to rest against edges of the neck, said flange having a flat face, said body having a substantially spiral groove with one end opening into the flat face whereby an instrument may be inserted in said groove and in engagement with the neck and by working said instrument along the latter-named groove bring about prying of the body outwardly of the neck and the gasket thereof out of the groove of said neck.

2,153,808
COUNTING AND RECORDING MACHINE
Curtis A. Marston, Portland, Oreg.
Application December 8, 1934, Serial No. 756,577
1 Claim. (Cl. 234—73)



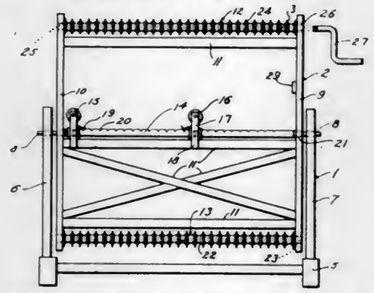
In apparatus of the character described, a movable tape, a marking bar associated with said tape, means forming a pivotal mounting for said marking bar, a head formed on the free end of said bar, a printing character formed on said head, whereby when said bar is swung towards said tape said character is impacted with the tape, a pivoted arm, an inking roller secured to the free end of said arm, spring means for urging said roller towards inking position with respect to said character when the bar is in a retracted position with respect to the tape, said roller being displaced to engage the end face of said head when the bar is moved toward the tape, and means serving to actuate said bar.

2,153,809
SKI BINDER
Roman F. Meis, Battle Lake, Minn., assignor of one-half to Frederick Meis, Battle Lake, Minn.
Application April 19, 1938, Serial No. 202,959
4 Claims. (Cl. 280—11.35)



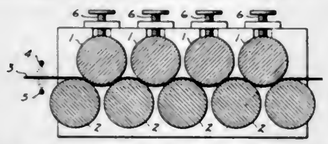
1. A ski binder comprising a foot board having a transverse recess in the bottom and sides of a front portion thereof, and toe straps secured to the foot board in the recess, said foot board comprising a comparatively wide portion immediately adjacent the forward end of the recess.

2,153,810
FILM RACK AND HANDLING APPARATUS
Raymond C. Mercer, Los Angeles, Calif.
Application January 18, 1937, Serial No. 121,181
12 Claims. (Cl. 95—100)



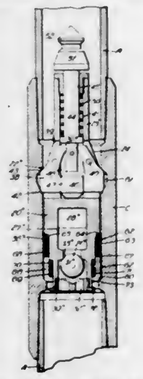
1. Film handling apparatus comprising a substantially rectangular rack structure, means supporting said rack for rotation on a fixed axis as a film winding reel, opposed members included in said rack structure and around which film is adapted to be helically wound and joined at its ends to form an endless belt, means for moving said film as an endless belt around said members including laterally spaced rollers mounted on said opposed members and supporting individual convolutions of the film, and means for rotating the rollers on one of said opposed members.

2,153,811
PROCESS OF TREATING SHEET METAL FOR DRAWING AND THE LIKE
Harley A. Montgomery, Highland Park, Mich.
Application November 5, 1936, Serial No. 109,337
11 Claims. (Cl. 153—10)



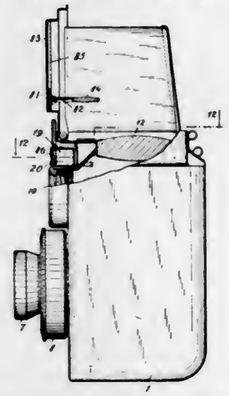
1. The process of drawing sheet metal which comprises treating the sheet with a fatty acid in solution, subjecting the sheet to reverse bending operations, and drawing the sheet while said treating solution is disposed on said sheet.

2,153,812
REMOVABLE FLOAT VALVE
Max A. Newton, Taft, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application May 14, 1937, Serial No. 142,610
4 Claims. (Cl. 255—28)



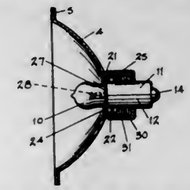
4. In combination, a tubular well string including, a tubular element having an upwardly facing shoulder and an internal recess, and a float valve including, a body in the string, means on the body for controlling fluid flow through the string, a retractable member on the body for cooperating with the recess to hold the body in place, packing means on the body operable through cooperation with said shoulder to seal with the interior of the said element, means operable from the top of the string for retracting said member and for moving the body upwardly through the string, and means for retracting the packing means when the body is moved upwardly, the last mentioned means including a spring for elongating the said means.

2,153,813
PHOTOGRAPHIC CAMERA
Karl Pritschow, Brunswick, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany, a joint-stock company of Germany
Application September 30, 1936, Serial No. 103,334
In Germany March 7, 1935
6 Claims. (Cl. 95—44)



1. A camera comprising a casing having an exposure opening, a camera lens, a view finder located above said camera lens and comprising an inclined mirror adapted to throw upwardly the rays emanating from the object to be photographed, and a range finder having its base line located in front of the upwardly directed portion of said view finder and comprising a pair of mirrors located respectively at the ends of said base line in positions for being impinged upon by the rays emanating from the object to be photographed and for directing the said rays towards each other, mirrors in the paths of said reflected rays and adapted to combine rays coming from complementary portions of the object to be photographed into a pencil corresponding to the said object and to direct the same upwardly, and means for setting the elements of said range finder in accordance with the distance of the object to be photographed into positions for combining the complementary pencils of rays passing through said range finder into a pencil correctly representing the object to be photographed, in which camera the view finder ends in a viewing hood, and in which the range finder comprises a positive object lens and a positive ocular lens mounted on the front wall of said viewing hood, said positive ocular lens being hinged to the said wall.

2,153,814
BATTERY LAMP
August J. Seiss, Toledo, Ohio
Application April 26, 1938, Serial No. 204,366
2 Claims. (Cl. 240—10.6)

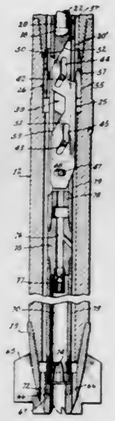


1. In a battery lamp, a reflector formed of sheet metal and having a short hollow exteriorly threaded hub part, a ring located within the hub part and having inwardly and outwardly extending flanges located at the edges of the ring, an electric lamp having a bulb and a base member, the base member having a flange, a spring located in the hub, and an interiorly threaded ferrule surrounding the base of the lamp for pressing the spring against the flange of the base member and the flange of the base member against the inwardly extending flange of the ring and the outwardly extending flange of the ring against the edge of the hub.

2,153,815
FLUID OPERATED LATCHING MEANS FOR INNER DRILL ASSEMBLIES
Leonard L. Snyder, South Gate, Calif., assignor to Elliott Core Drilling Company, a corporation of California
Application July 27, 1937, Serial No. 155,906
14 Claims. (Cl. 255—72)

1. In a drilling assembly for use in drilling wells where circulating drilling fluid is used, the combination of: an outer drilling assembly; clutch means mounted in said outer drilling assembly; an inner drill assembly adapted to be supported in said outer drilling assembly; a latch bar forming a part of the inner drill assembly; a latch plate movable by said latch bar into engagement with said clutch means for preventing rela-

tive rotative movement of said inner drill assembly; means operable by the circulating fluid



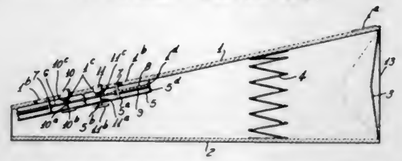
for moving said latch bar; and means for yieldably holding said latch bar against movement.

2,153,816
SUCKER ROD JERK ABSORBER
Ben Harwood Stevens, Ada, Okla.
Application November 30, 1937, Serial No. 177,340
1 Claim. (Cl. 255—28)



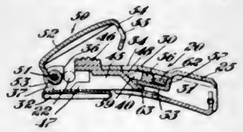
A cushioning device for a sucker rod string comprising a barrel containing fluid, a coupling member closing the lower end of the barrel, a plug closing the upper end of the barrel, a piston rod passing through the plug, packing means in the plug through which the rod passes, a piston in the barrel connected with the lower end of the rod, an air chamber in the upper part of the barrel below the plug including a cylinder having a working fit with the barrel, a tubular member in the cylinder and having a working fit on the rod, and end pieces connected with the tubular member and the cylinder and forming an air chamber between the tubular member and the cylinder, the lower end piece having perforations therein for adjoining the interior of the air chamber with the interior of the barrel.

2,153,817
MUSICAL INSTRUMENT
Aloysius S. Terhaar, Lemon Grove, Calif.
Application December 16, 1936, Serial No. 116,147
4 Claims. (Cl. 84—376)



1. A musical instrument consisting of two flat smooth outer surfaced members forming a bellows, shaped and arranged to be positioned between the fingers and palm of one hand of the operator and operated by the fingers of the same hand, an air controlled casing positioned entirely on the inside of said bellows on the inner side of one of said members, said casing provided with passages therein, reeds associated with said passages and keys extending outwardly through the upper side member and adapted to be operated for controlling the flow of air through the passages past the reeds inside of said bellows.

2,153,818
CLASP
Charles R. Tost, Cranston, R. I., assignor to The Hadley Company, Inc., Providence, R. I., a corporation of Rhode Island
Application April 11, 1938, Serial No. 201,297
7 Claims. (Cl. 24—241)

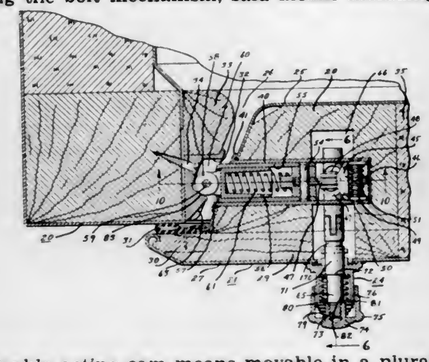


5. A clasp adapted to engage and releasably hold an eye or other coupling element, comprising a body member having a recess therein in which the coupling element is received, a primary catch slidable in said body member and provided with a nose which in the locking position of the catch holds the coupling element in the recess of the body member, a secondary catch which, as it approaches the locking position, contacts with and slides the primary catch into locking position and upon reaching its locking position holds said primary catch in its locking position, said body member having a slot therein, and said secondary catch including a depending finger which, as the catch approaches its locking position, enters the slot in the body member and slides the primary catch into its locking position, said finger having a slot therein and a latch mounted within said body member which latch, after the finger has slid the primary catch, enters the slot therein and thereby holds the secondary catch in its locking position.

2,153,819
LATCH
Harold E. Van Voorhees, Detroit, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 30, 1934, Serial No. 742,124
8 Claims. (Cl. 292—164)

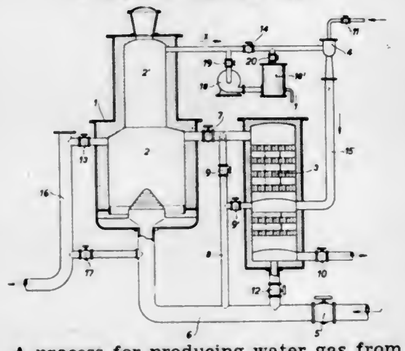
8. A latch mechanism including a bolt mechanism, a toggle link mechanism for operating the bolt mechanism, means cooperating with the

toggle link mechanism for locking and unlocking the bolt mechanism, said means including a



double acting cam means movable in a plurality of directions for unlocking the bolt mechanism.

2,153,820
PROCESS FOR PRODUCING WATER GAS FREE FROM TAR AND HYDROCARBONS
Franz Volk, Vienna, Austria
Application May 8, 1937, Serial No. 141,542
In Austria November 2, 1936
2 Claims. (Cl. 48—202)

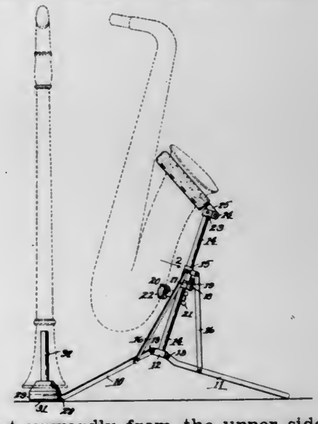


1. A process for producing water gas from bituminous fuels in a generator having a gasifying chamber and a superimposed distilling chamber, and having a superheater connected thereto, which comprises alternately hot air blasting, making a steam uprun and making a steam downrun, circulating during said uprun the gases from the distilling chamber through the superheater and the fire zone of said gasifying chamber into the generator and discharging the water gas after having passed the gasifying chamber and before having entered into the distilling chamber, and circulating during said downrun the gases from said distilling chamber through said superheater into the generator at the junction zone between said both chambers and discharging the water gas after having passed the gasifying chamber.

2,153,821
FOLDING STAND FOR MUSICAL INSTRUMENTS
Bernard E. Walberg, Worcester, Mass.
Application April 14, 1937, Serial No. 136,862
4 Claims. (Cl. 248—121)

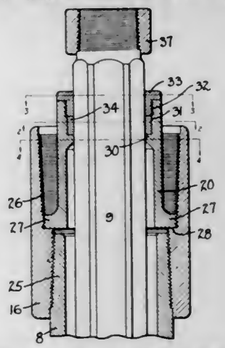
4. In a saxophone stand, the combination of a leaning column, a split collar fixed to the top thereof, a pivot pin on the collar and spaced

toggle link mechanism for locking and unlocking the bolt mechanism, said means including a and extending over said collar in contact with the top of the collar for support thereon so as



to project upwardly from the upper side of the column, whereby the fork can be turned on the pivot to a position substantially parallel with the column at the lower side thereof, for folding.

2,153,822
WASH LINE DRIVE CONNECTION
Harold C. Block, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex.
Application August 19, 1935, Serial No. 36,865
9 Claims. (Cl. 166—10)

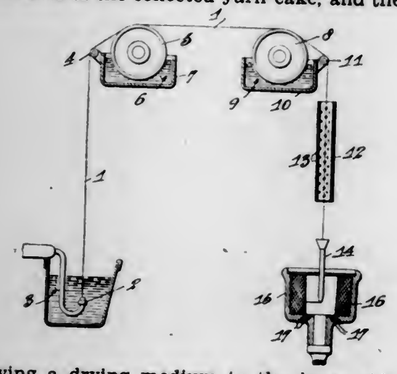


1. In a well bottom assembly a setting tool and a wash pipe, a bushing carried by said tool and disposed about said pipe, a non-circular recess in said bushing, a non-circular surface on said wash pipe, and a noncircular ring to be placed in said recess to engage said surface whereby said wash pipe will be held by said bushing.

2,153,823
CENTRIFUGAL SPINNING PROCESS
Thomas H. Byron, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Original application July 30, 1934, Serial No. 737,499. Divided and this application June 11, 1936, Serial No. 84,661
4 Claims. (Cl. 18—54)

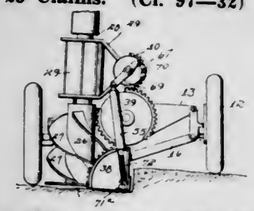
1. In a process for producing even shrinkage yarn, the steps of forming and treating the yarn, collecting it in a rotating pot, forming a

fluid-tight seal for the under, outside and upper surfaces of the collected yarn cake, and then ap-



plying a drying medium to the inner side only of the cake so that it is dried from one side only.

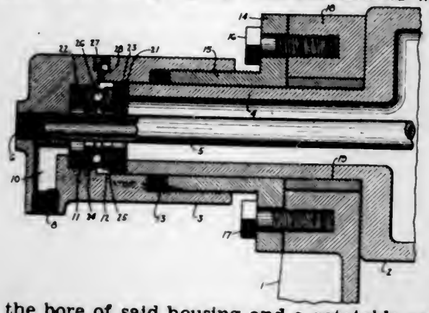
2,153,824
AUTOMATIC REVERSIBLE SOIL MOVING MACHINE
Edgar V. Collins, Ames, Iowa, assignor, by mesne assignments, to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application October 25, 1937, Serial No. 170,871
25 Claims. (Cl. 97—32)



1. In a machine of the class described, the combination of a frame, supporting wheels therefor, a reversible plow carried by the frame, a hydraulic ram carried by the frame adapted to be operated by a power take-off from a tractor, a spring carried by the frame, means operated by said hydraulic ram for storing power in said spring, means operated by said spring for reversing said plow, and manually operable means for controlling the movements of the spring in reversing the plow.

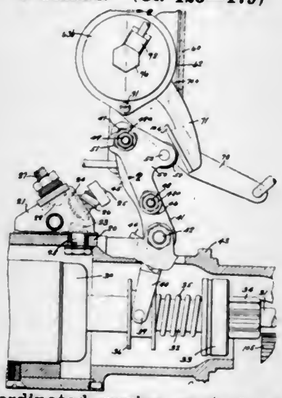
2,153,825
STUFFING BOX WITHOUT PACKING
Nicholas Difazio, Newark, N. J.
Application September 17, 1937, Serial No. 164,288
3 Claims. (Cl. 285—10)

1. The combination with a hollow roller having a hollow rotatable shaft end, inlet means for circulating a cooling medium through the end of said shaft into said roller, and outlet means to receive the flow of the cooling medium from the hollow roller; of means forming a sealed passage between said hollow rotatable shaft and said outlet means, said means comprising a stationary housing bored to receive said shaft end and said inlet means and connected with said outlet means, a stationary washer fitting tightly in one end of the bore of said housing, a rotatable washer engaging the end of said hollow shaft and fitting snugly with the interior walls of the bore of said housing, a thrust-bearing having a stationary race engaging said first-mentioned washer and fitting tightly with the interior wall



of the bore of said housing and a rotatable race engaging said second-mentioned washer.

2,153,826
ENGINE STARTER CONTROL
John B. Dyer, Pendleton, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 23, 1933, Serial No. 653,048
9 Claims. (Cl. 123—179)

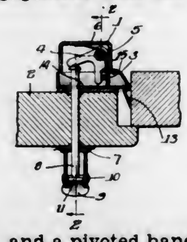


1. A coordinated engine control and engine starter control comprising, in combination, three coaxially pivoted levers, namely, a pedal operated lever, a starter control lever, and an engine control lever, means for connecting the pedal lever with the engine control lever, means for connecting the pedal lever with the starter control lever, a single bearing supporting said levers, a tubular housing having an end wall supporting said bearing, and means providing a closure for said housing and responsive to engine operation for disabling the connection between the pedal lever and the starter control lever.

2,153,827
LATCH
William D. Ferris, Sterling, Ill., assignor to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application July 10, 1936, Serial No. 89,955
3 Claims. (Cl. 292—166)

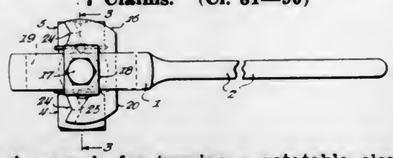
1. In a door latch, a housing on the inner side of the door, a metal latch bolt slidable horizontally in said housing, a spring held bell crank pivoted in said housing and having one arm thereof normally engaging the wall of the housing adjacent the engaging end of said bolt, forming a

stop to limit the latching movement of the latter, means on the bolt having loose engagement with said arm, a push rod extending through the door and having engagement with the other arm of



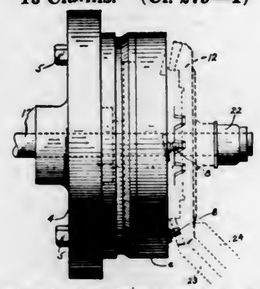
said bell crank, and a pivoted handle on the outside of the door to engage the outer end of said rod, for operating said bell crank to unlatch the door.

2,153,828
AUTOMATIC WRENCH
Paul E. Fleming, Glendive, Mont.
Application June 1, 1937, Serial No. 145,812
7 Claims. (Cl. 81—90)



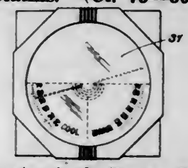
1. A wrench for turning a rotatable element having angularly intersecting exterior flat surfaces forming corners, said wrench comprising a body and a connected handle portion, an axis member revolubly carried by the wrench body in transverse relation thereto, said axis member extending below the wrench body and fashioned to engage and have non-rotative connection with said element, and a dog carried by the wrench body in lateral offset relation to the axis member and engageable with the flat exterior surfaces of the element for turning the same in one direction, said dog being pivotally connected with the wrench body on an axis transverse to the axis member and provided with a cam portion whereby the dog may ratchet over the corners between the flat exterior surfaces on turning the wrench body in the opposite direction, said dog having a length to extend above and below the wrench body so that the dog may be reversely positioned for turning the element in opposite direction.

2,158,829
GEAR CHUCK
John Russell Garrison, Dayton, Ohio, assignor to Garrison Machine Works, Inc., Dayton, Ohio, a corporation of Ohio
Application September 25, 1935, Serial No. 42,101
13 Claims. (Cl. 279—1)



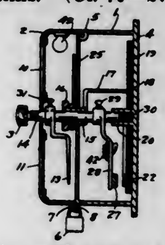
1. In a chuck for bevel gears, a support, a series of relatively fixed spaced studs carried thereby and engageable between succeeding teeth of a gear to locate the gear in predetermined position relative to the support, the axes of said studs being inclined to lie in planes substantially tangential to a cone, the elements of which are normal to corresponding elements of the pitch cone of the gear, and forming oblique angles with the lines of tangency between the planes and the cone, and means for holding the gear in engagement with the studs.

2,153,830
THERMOMETER
Robert E. Gordonier and Howard L. Fischer, St. Paul, Minn., assignors to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application May 11, 1936, Serial No. 79,102
3 Claims. (Cl. 73—367)



1. A thermometer including a display panel, a thermostatic element secured adjacent said display panel, a double ended pointer secured to said thermostatic element to be operated thereby over said display panel, a pair of spaced scales arranged on adjacent quadrants of said panel, one scale of which is co-operable with one end of said pointer to register temperatures above a predetermined degree, the other scale of which is co-operable with the other end of said pointer to register temperatures below a certain predetermined degree, and means for concealing one end of said pointer while the other end thereof is registering a temperature above or below said predetermined temperature.

2,153,831
SAFETY LOCK
Herbert Gudge, New York, N. Y.
Application February 15, 1938, Serial No. 190,542
2 Claims. (Cl. 70—277)

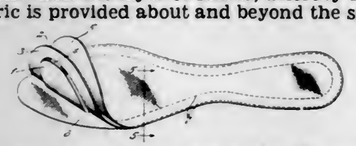


1. In combination with a motor vehicle having a door with a lock therefor, a combination emergency lock, a casing in which the lock is incorporated, a cover for said casing, means locking said cover in the closed position, means for setting the combination of the lock with the cover open, and suitable circuits connecting the lock to means releasing the door lock, said combination emergency lock adapted to be set to release the said door lock.

2,153,832
SHOE INSOLE
Theodore Gutwein, Dayton, Ohio
Application November 29, 1937, Serial No. 176,957
3 Claims. (Cl. 36—44)

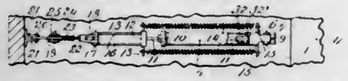
1. A combined insole and filler comprising a cushion member consisting of a layer of sponge

rubber, superimposed upon and vulcanized to a layer of fabric, the sponge rubber being smaller in extent than the layer of fabric, whereby a wing of fabric is provided about and beyond the sponge



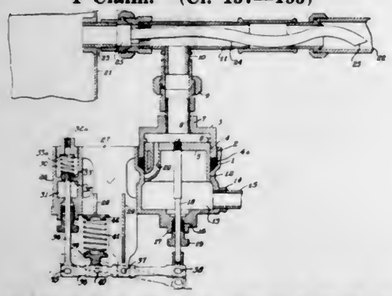
rubber, and one or more layers of stiffening material corresponding to the insole pattern of a shoe superimposed upon and secured to the cushion member.

2,153,833
DOOR CLOSING APPARATUS
Chester W. Hartshorn, Syracuse, Kans.
Application February 28, 1938, Serial No. 192,983
5 Claims. (Cl. 16—70)



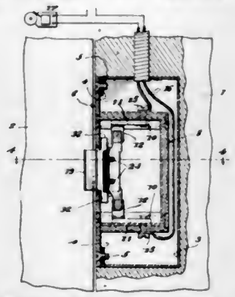
1. In a door closing apparatus, the combination with a door jamb and a door hinged thereto on a vertical axis and having a projection spaced from said axis, of two links, one pivoted to said door projection on an axis spaced from said door axis, the other link being pivoted to the jamb on an axis spaced from the axis of the door axis and the axis of the first named link, a cylinder attached to the door, a piston having a head reciprocative in said cylinder and having a piston rod pivoted to said two links at a point such that, when the door is swung from a closed position to a predetermined open position, the longitudinal central line of said piston will pass from one side of the axis in said door projection into alinement therewith, and yielding means for moving said piston to close the door when said central line of the piston is at said one side of said axis in the door projection.

2,153,834
VALVE MECHANISM
James Hileman, Swissvale, Pa.
Application August 20, 1936, Serial No. 97,001
1 Claim. (Cl. 137—153)



A valve mechanism comprising a valve housing having a cylindrical wall of relatively small axial dimension and having a removable head forming an extension of said wall and a shoulder portion extending inwardly from its cylindrical wall spaced from the top of said head, a piston disposed in the cylindrical walls of said valve housing and head and having a flow passage extending from the top of the piston to the cylindrical wall of the valve housing, said piston normally abutting against the radial shoulder of the casing head and said piston being provided with a stem extending below the valve housing, a fluid inlet connection above the piston and a fluid outlet connection below the piston, a second valve housing joined to said first-named valve housing having a partition dividing the interior thereof into an inlet and outlet chamber for connections with a source of the gaseous fuel and a burner respectively, a valve controlling the flow of fuel between said chambers, said valve having a stem extending below the valve casing and in spaced relation parallel with the stem of the piston of said first named valve, a rocker arm pivotally connected at its respective ends to said valve and piston stems and being fulcrumed at substantially the center thereof, a spring abutting against the rocker arm on one side of its fulcrum to normally hold the piston of the first named valve against its abutting shoulder and to normally seat the second named valve, said valve mechanism being operative upon the opening of the flow passage from below the piston of the first named valve to open said piston and permit the flow of fluid from the valve inlet to the valve outlet, and simultaneously open the fuel supply valve.

2,153,835
ELECTRIC DOOR SWITCH
William O. Hodges, San Antonio, Tex.
Application February 1, 1938, Serial No. 188,169
2 Claims. (Cl. 200—54)

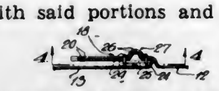


1. In an electric door switch, the combination with a casing, of a pair of terminal units fastened to the faces of the inside ends of said casing, each terminal unit comprising a flat plate provided at one end with an outwardly-extending sharp tongue, terminal screws extending through portions of said casing and said plates near one end of said plates, a swinging unit and means mounting said swinging unit on said casing, said swinging unit being adapted to swing cross-wise of said casing between said terminals, and a bodily-movable blade carried by one side of said swinging unit and being adapted to contact said sharp tongues of said terminals.

2,153,836
SLIP
John G. Howland, Old Greenwich, Conn., assignor of one-half to Harry Schwartz, New York, N. Y.
Application February 6, 1939, Serial No. 254,929
2 Claims. (Cl. 2—275)

1. An elastic seam for use in a garment wherein adjacent elastic panels have their weave disposed in a biased relation and marginal portions of said panels are disposed in juxtaposition, the combination of, an elastic connection in said portions for securing said portions together, said connection comprising parallel rows of stitch means spaced transversely of said seam and disposed in a direction along the length of said seam, the stitch means of said rows comprising loops spaced along the length of said seam, nested beaded means

integral with said portions and interposed be-

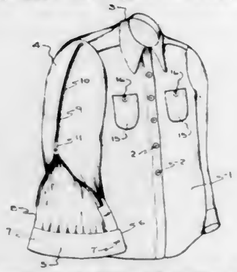


tween said rows, and a thread passing loosely and alternately through the loops of said rows.

2,153,837
INSULATING CONCRETE CONSTRUCTION
Noak Victor Hybinette, Jackson, Mich.
No Drawing. Application June 18, 1935, Serial No. 27,187
12 Claims. (Cl. 106—24)

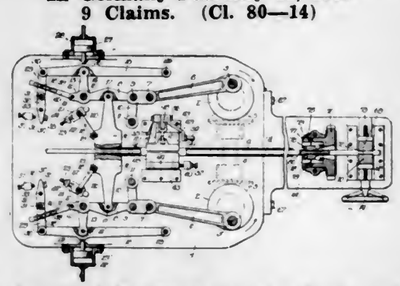
7. A concrete mixture adapted to be mixed with water to form concrete comprising a hydraulic cement, an aggregate and a relatively small proportion of a fibrous material to maintain said aggregate in suspension before the setting of the concrete.

2,153,838
GARMENT
William R. Jay, Jackson, Mich.
Application September 23, 1938, Serial No. 231,325
2 Claims. (Cl. 2—125)



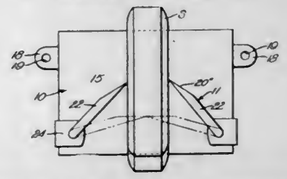
1. In a garment, a sleeve having a slit therein extending from the outer end thereof to a point substantially above the elbow portion, said slit extending along the outside portion of said sleeve, separable fastening means connecting a substantial length of the opposed edges of said slit and reinforcing said sleeve at the elbow portion, and cooperating means on said sleeve and the garment for connecting the outer end of said sleeve to the garment when said opposed edges are disconnected.

2,153,839
METALWORKING
Alfred Liebergeld, Nuremberg, Germany, assignor to Fritz Singer, Nuremberg, Germany
Application January 14, 1937, Serial No. 120,509
In Germany February 11, 1936
9 Claims. (Cl. 80—14)



2. A method for the sectional reduction of the cross section of metal stock which comprises acting upon the metal stock with reducing elements which are adapted to move forward over an increment of the metal stock with a rolling movement, while at the same time moving the working surfaces of said reducing elements in a straight line parallel to the direction of the axis of the metal stock.

2,153,840
SOAP HOLDER
Mordicha Margolith, Hawthorne, Calif.
Application August 3, 1936, Serial No. 94,105
8 Claims. (Cl. 45—28)



1. A device of the character described including a body, a pair of L-shaped members carried by the body in spaced relation for pivotal movement to each have one branch project from the body and to have their other branches inclined upwardly and inwardly toward each other to grip a cake of soap passed between them, arms secured to the first mentioned branches, one arm having a curved slot, a pin on the other arm shiftable in the slot, and spring means acting on the arms to urge the second mentioned branches against the soap.

2,153,841
PRESERVATION OF PAINT
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 11, 1937, Serial No. 163,472
3 Claims. (Cl. 134—39)

1. A coating composition comprising a drying oil as the major vehicle and pentachlorophenol in amount sufficient to serve as a fungicide and preservative.

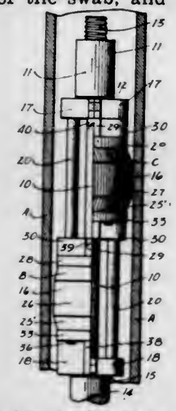
2,153,842
PAINT COMPOSITION
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 7, 1937, Serial No. 167,700
7 Claims. (Cl. 134—39)

1. A coating composition comprising a drying oil as the major vehicle and a halo-phenol having from 3 to 4 chlorine atoms, inclusive, attached to the benzene ring thereof in amount sufficient to serve as a fungicide and preservative.

2,153,843
WELL SWAB
Benjamin E. Parrish, Dallas, Tex.
Application July 22, 1935, Serial No. 32,561
24 Claims. (Cl. 103—225)

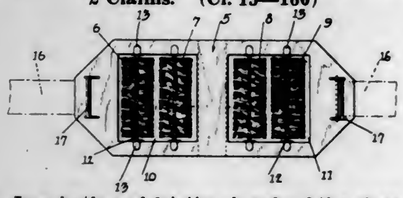
1. A well swab including, a support, a packing assembly mounted on the support, said assembly including a pair of sections which are arranged to be displaced vertically out of horizontal alinement with each other to permit the well fluid to freely by-pass the packing assembly on the downstroke of the swab, said sections also being

arranged to move back into horizontal alinement and to be distorted into packing position upon the upstroke of the swab, and rigid means for



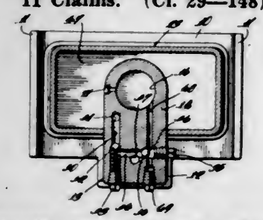
connecting the two sections together just prior to their distortion into a packing position, whereby the sections are distorted equally and simultaneously.

2,153,844
BATH AND FRICTION BRUSH
Edmon R. Poirier, San Francisco, Calif.
Application August 16, 1937, Serial No. 159,341
2 Claims. (Cl. 15—160)



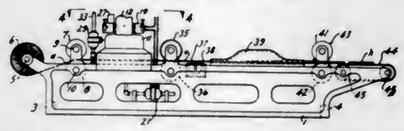
1. In a bath and friction brush of the class described, a flexible and vulcanized body section comprising a frame and having rotary brushing members positioned therein, and said frame having cups and bearings vulcanized therein to hold the ends of the spindles of said rotary brushes.

2,153,845
HYDRAULIC JACK AND METHOD OF MAKING SAME
Homer R. Rosenberry, Euclid, Ohio
Application March 4, 1936, Serial No. 67,109
11 Claims. (Cl. 29—148)



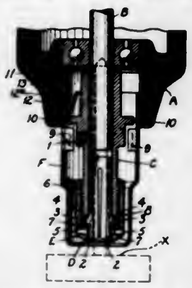
1. A process for fabricating the permanent structure of a hydraulic jack, comprising: preforming a unitary member having a socket, and ducts communicating with said socket, and extending to the exterior of said member, and positioning said member on a base; affixing one end of a ram cylinder in the socket of said member; encircling said ram cylinder at a distance from said ram cylinder with a casing to be secured to said base to form a reservoir communicating through said ducts with the interior of said ram cylinder; electrically welding said unitary member, and said casing to said base; and electrically welding said ram cylinder to said unitary member.

2,153,846
MANUFACTURE OF PRINTED PAPER PRODUCTS
Harlow M. Russell, Chelsea, and Melvin H. Sidebotham, West Newton, Mass., assignors to Specialty Automatic Machine Company, Medford, Mass., a corporation
Application September 2, 1936, Serial No. 99,088
6 Claims. (Cl. 93—48)



1. The method of making printed paper products, consisting of printing a web of paper, advancing the printed web to an ink setting oven, raising the temperature in the oven to a degree sufficient to rapidly set the printing while maintaining the relative humidity in the setting oven to equal the relative humidity of the air outside the setting oven, and folding the web.

2,153,847
CHUCK OR TOOL HOLDER
Loyd Scruggs, University City, Mo.
Application April 15, 1937, Serial No. 137,030
5 Claims. (Cl. 279—52)



3. In a fractional horsepower motor or other similar portable tool operating device, the combination of a housing that is adapted to be moved to manipulate the tool operated by the device, a drive shaft carried by said housing and provided with a jaw carrying member that projects beyond the end of said housing, tool holding jaws in said member, a rotatable means on the projecting portion of said jaw carrying member for expanding and contracting said jaws, and a finger grip on the housing constructed and arranged so as to normally surround and project beyond the terminal end of said jaw actuating means when the device is in use and to be capable of being shifted into a position to expose said jaw actuating means and permit it to be manipulated during the operation of inserting or removing a tool in the jaws, said finger grip being positioned beyond the end of the housing and constructed and arranged so as to be grasped by the fingers of the user in the operation of manipulating the tool on the work.

2,153,848
METHOD OF FORMING ENVELOPES
James J. Shea, Springfield, and William F. Irrgang, Chicopee, Mass., assignors to United States Envelope Company, Springfield, Mass., a corporation of Massachusetts
Application April 22, 1936, Serial No. 75,766
4 Claims. (Cl. 93—63)



1. In the formation of a web-cut envelope, the steps which involve the provision of notches in opposite edges of the web, spaced apart a distance slightly greater than the length of the envelope including the end flaps, each notch having an additional small notch providing substantially arcuate edges at the base of the main notch, making a transverse cut across the web to sever the partially completed envelope from the web and define the outer edge of one of the end flaps, said cut being substantially tangential to the corresponding arcuate edges of the opposite additional notches, and making a second transverse cut substantially tangential to the opposite arcuate edges of the notches, thereby defining the outer edge of the opposite end flap.

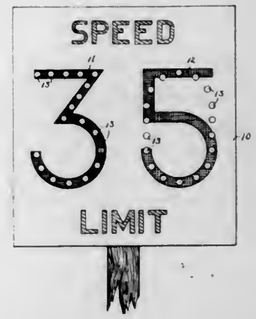
2,153,849
HIGH STRENGTH CIDER VINEGAR AND METHOD OF MAKING SAME
Victor E. Speas, Kansas City, Mo., assignor to Speas Company, a corporation of Missouri
No Drawing. Application November 8, 1937, Serial No. 173,455
8 Claims. (Cl. 99—147)

1. A cider vinegar having a grain strength substantially higher than 60 and up to about 120 and having substantially the flavor and aroma of a normal cider vinegar, and containing malic acid and cider vinegar congeners in substantially the same percentages as in normal cider vinegar of grain strength of 40 to 60.

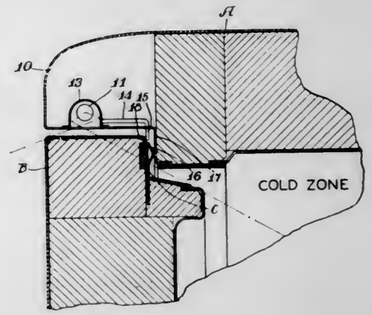
8. The method of preparing a cider vinegar having a grain strength higher than normal and having substantially the flavor and aroma of a cider vinegar and having present therein malic acid and cider vinegar congeners in substantially the same percentages as in cider vinegar of normal grain strength which comprises introducing a cider stock containing natural alcohol to a vinegar generator and subjecting the stock to an acetous fermentation therein until part of the natural alcohol is converted to acetic acid, gradually adding grain alcohol to the generator in an amount not in excess of about 10% so that the stock undergoing acetous fermentation contains from about 2% to about 4% of alcohol and continuing the acetous fermentation of the fortified stock until a vinegar of the desired grain strength is produced.

2,153,850
CHANGEABLE SIGN
Harry E. Stedman, Des Moines, Iowa
Application October 9, 1937, Serial No. 168,235
2 Claims. (Cl. 40—130)

1. In a sign, a base element, indicia on said base element capable of being read in daylight and substantially invisible at night, and indicia on said base element different from said first mentioned indicia and having no inherent luminosity but having light reflecting characteristics whereby it can be observed at night when subjected to an outside source of light but substantially invisible during daylight.



2,153,851
REFRIGERATOR LIGHT OUTSIDE OF COLD ZONE
Enoch Swedman, St. Paul Minn., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application September 4, 1936, Serial No. 99,387
1 Claim. (Cl. 240—4)

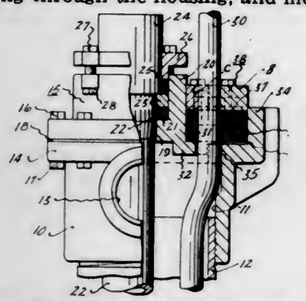


A refrigerator including a body portion having a door opening therein, inner and outer metallic coverings for said body portion, an overhanging portion in said body portion forwardly of said door opening enclosed by said outer sheathing, a metallic reflector connected directly to said outer sheathing whereby heat in said reflector may be dissipated by said outer sheathing, a light means in said reflector arranged to illuminate the interior of said refrigerator body portion, a refrigerator door in said opening, and means actuated by movement of said door for controlling said light.

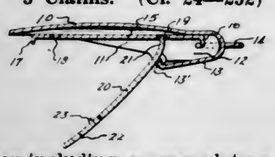
2,153,852
TUBING HEAD
Sheridan P. Tschappat, Tulsa, Okla.
Application June 2, 1937, Serial No. 146,027
9 Claims. (Cl. 166—14)

1. A well tubing head including, a housing, an internal shoulder within said housing for hanging a well tubing therefrom, means for pack-

ing off between the tubing and housing, a cable extending through the housing, and means separate from the tubing packing means for sealing off between the cable and housing.

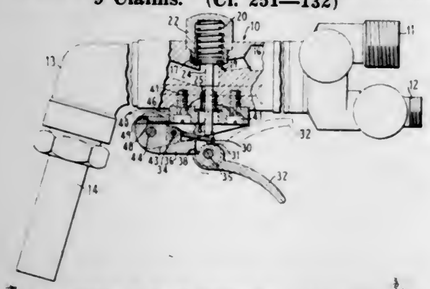


2,153,853
CLASP
James A. Vaughan, Tulsa, Okla.
Application October 17, 1936, Serial No. 106,070
5 Claims. (Cl. 24—252)



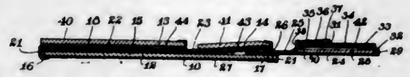
1. A clasp including, a cover plate, a spring element beneath one end of the plate and spaced therefrom, a clamping member underlying the plate and having its inner end disposed between the plate and element, a second clamping member having its inner end hinged to the end of the element, whereby the outer end of said latter member may be swung into and out of engagement with the outer end of the first member, there being a slot in the first named member, and a tongue on the swinging member in constant engagement with the slot, whereby the tension of the element is exerted against both members to hold them in position on the plate.

2,153,854
VALVE FOR TORCHES
George L. Walker, Jersey City, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1937, Serial No. 145,404
9 Claims. (Cl. 251—132)



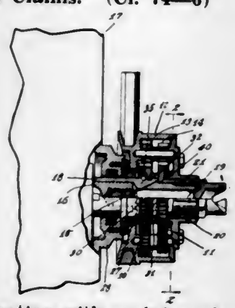
1. In a torch, a body portion containing a valve which controls the passage of gas through the torch, a stuffing-box, a valve rod extending through the stuffing-box and body portion of the torch, spring means urging the valve into closed position, and manually operated means for pushing the rod in a direction to open the valve including a lever which has a pivot connection with the valve body, and an abutment limiting the movement of the lever as it swings away from the valve, said abutment being movable into an ineffective position so that the lever can swing away from the rod and expose the stuffing-box for convenient adjustment or replacement of the packing.

2,153,855
DESK MEMORANDUM CALENDAR
John P. Wege, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application February 8, 1937, Serial No. 124,597
3 Claims. (Cl. 281—17)



1. A memorandum pad support comprising a base portion, a pair of pads mounted thereon, a cover portion hingedly secured thereto, said cover extending a fraction of the total length of said base portion, extending over one pad and leaving the other exposed, and paper weight means enclosed in said cover.

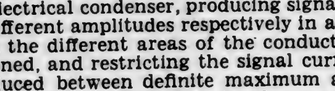
2,153,856
GEAR SET
Jarl M. Weydell, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind.
Application October 26, 1936, Serial No. 107,503
4 Claims. (Cl. 74—6)



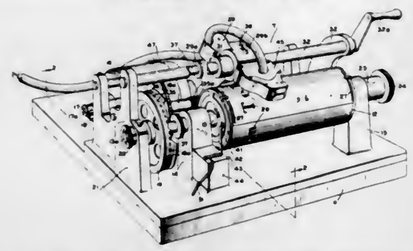
1. In combination with an internal combustion engine, a starter-generator, and means operatively interconnecting said engine and said starter-generator, said means including a planetary gear-set having two relatively rotatable, coaxial sun gears of different sizes and a planet-gear carrier carrying pinions operatively interconnecting said sun-gears, said planet-carrier and the larger of said two sun gears being operatively connected to said starter-generator and said engine respectively, a stationary part, and means responsive to the direction in which the smaller sun gear tends to rotate for clutching it either to said stationary part or to said larger sun gear.

2,153,857
PHASE-CORRECTING LOW-PASS FILTER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 18, 1938, Serial No. 208,513
12 Claims. (Cl. 178—44)

1. A low-pass phase-correcting filter network for procuring a predetermined phase shift which is a multiple of π at each of one or more preselected frequencies within said band comprising, a ladder network including a plurality of inductances as series arms, at least one pair of said inductances having negative mutual inductance therebetween, a plurality of capacitance elements included as shunt arms, and input and output pairs of terminals across different ones of said shunt arms, the reactive constants of said filter network being so proportioned as to present constant-k mid-shunt image impedance across each of said pairs of terminals.



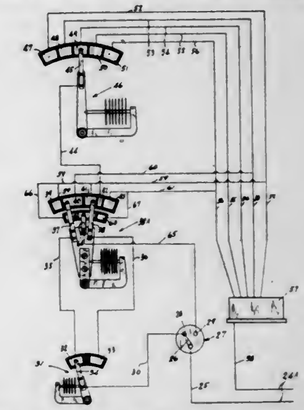
2,153,858
TELEGRAPHIC TRANSMISSION OF INTELLIGENCE
Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 28, 1935, Serial No. 23,926
7 Claims. (Cl. 178—5)



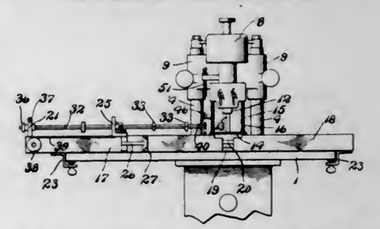
1. A method of transmitting intelligence which comprises forming the various letters, characters or other component parts of the subject-matter each from a layer of a conductive substance applied to a non-conducting medium, scanning said subject-matter in such manner as to apply a source of rapidly varying potential successively to said conductive layers to cause said layers each to function at the time scanned as an armature of an electrical condenser, producing signal currents of different amplitudes respectively in accordance with the different areas of the conductive layers scanned, and restricting the signal currents thus produced between definite maximum and minimum values so that the signal currents transmitted are of uniform amplitude.

2,153,859
AUTOMATIC TEMPERATURE REGULATING SYSTEM
Charles E. Armstrong, Portland, Oreg., assignor to Armstrong Heat Control Company, Corvallis, Oreg.
Application January 28, 1936, Serial No. 61,116
2 Claims. (Cl. 236—91)

1. An automatic heat regulating system comprising a plurality of thermostats, one of said thermostats disposed in the vicinity of a heating unit within a space to be heated, another of said thermostats disposed within the space to be heated at a point remote from the heating unit, another of said thermostats disposed on the exterior of the space to be heated, all of said thermostats being electrically interconnected with each other and with a means for actuating a heat supplying means, the thermostat on the exterior of the space to be heated being adapted to actuate the heat supplying means when said inside thermostat is satisfied, the thermostat in the vicinity of the heating unit being adapted under the influence of the temperature of the heating unit to direct the circuit embracing said heat actuating means through said space thermostat and said thermostat in the vicinity of the heating unit having no control of the heat actuating means independent of the other of said thermostats.



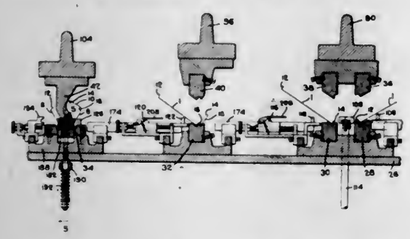
2,153,860
AUTOMATIC GAUGE ADJUSTER
Freeman Barney, Spring Lake, and James Wesley Lee, Grand Haven, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application August 16, 1937, Serial No. 159,268
10 Claims. (Cl. 164—59)



3. In a construction of the class described, a horizontal table, a back gauge located lengthwise of and above the table and secured in fixed relation thereto, a horizontal rod paralleling the back gauge mounted thereon, a sleeve slidable on said rod, a supporting bracket connected with said sleeve extending in front of the back gauge, a side gauge carried by said bracket to engage edges of sheets of paper located at right angles to other edges of the paper engaging against the back gauge, a rotatable shaft extended through said bracket substantially parallel to the back gauge, a plurality of collars thereon spaced from each other, a stop projecting radially from each collar, said stops extending from the collars at different angles, a cooperating stop mounted on said bracket, means connected with said bracket to move the bracket in one direction when free to do so, said means being ineffective when the stop on the bracket is engaged with a stop on a collar, a vertical drill, a vertically reciprocable support

therefor and means operated by said reciprocable drill support to rotate said shaft a predetermined amount on the completion of a downward movement followed by an upward movement of said drill support, whereby a stop on a collar engaged with the cooperating stop on the bracket is disengaged therefrom and a stop on the next succeeding collar is moved into the path of movement of said stop on the bracket to engage therewith and stop the movement of the bracket and associated side gauge at a predetermined second position.

2,153,861
MACHINE FOR AND METHOD OF FORMING A SPRING CASING
Walter R. Chesley, Somerville, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application June 22, 1936, Serial No. 86,556
10 Claims. (Cl. 153—2)

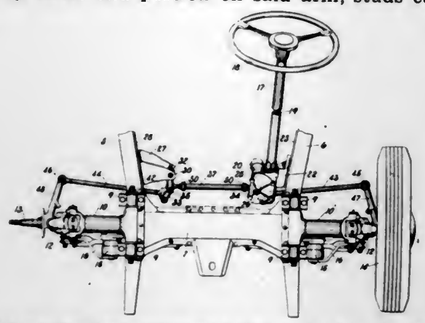


1. The method of forming a casing adapted for use on a leaf spring, comprising the steps of bending a trapezoidal blank of sheet material along two parallel lines adjacent one longitudinal edge to form a flange, bending along a single line parallel to the opposite longitudinal edge to form a second flange, bending along at least three parallel lines all of which are parallel to said second flange to form the blank into two main portions at right angles to each other with a slack take-up portion therebetween, and finally bending said blank along two parallel lines extending longitudinally of one of said main portions.

5. A machine for forming a blank into a spring casing, comprising a supporting frame and a plurality of power operated cross heads, pairs of bending dies between said cross heads and frame, means including one pair of dies to bend said blank along a single longitudinal line, means, including a second pair of dies, to reversely bend said blank along two closely spaced parallel lines, means, including a third pair of dies, to bend said blank in a double reverse along three closely spaced parallel lines and means, including a fourth pair of dies, to bend said blank in the same direction, along two parallel lines, means for automatically moving said blank from one pair of said dies to another and means to remove said casing from said machine.

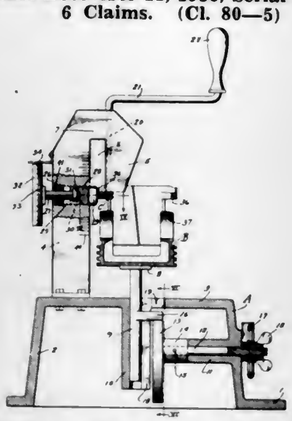
2,153,862
STEERING MEANS
Thomas L. Cowles, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application April 23, 1938, Serial No. 203,737
2 Claims. (Cl. 280—95)

2. Supporting means for a jointed sectional tie rod of a vehicle steering mechanism, including a rigidly supported U-shaped bracket, an arm having one end thereof journalled for pivotal movement between the arms of said bracket, an angularly offset end portion on said arm, studs car-



ried at the beginning and the end of said offset portion, and means for pivotally mounting adjacent ends of the tie rod sections on said studs.

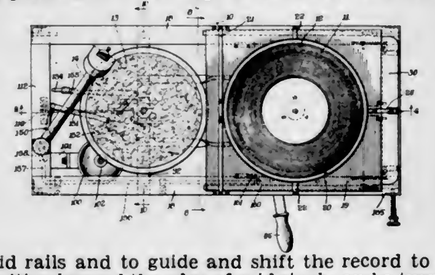
2,153,863
APPARATUS FOR TRUING PISTONS
Albert P. Fall, Toledo, Ohio
Application December 11, 1936, Serial No. 115,360
6 Claims. (Cl. 80—5)



3. A piston truing device comprising a frame or support, a standard on said frame comprising two vertically extending horizontally spaced jaws fixedly secured together in laterally spaced relation, a vertical drive shaft journalled in one jaw and carrying an indenting roller at its lower end, means connected with its upper end for rotating said shaft, a slide movable horizontally in the other jaw toward and away from the indenting roller and carrying abutment roller means mounted to rotate on vertical axis, and means for presenting a piston in upside down position with its skirt uppermost and between said abutment and indenting roller.

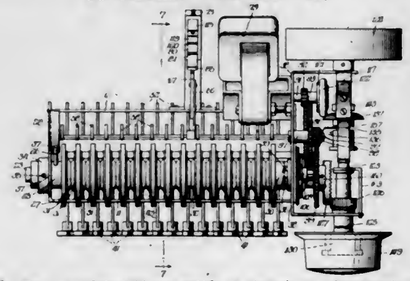
2,153,864
AUTOMATIC PHONOGRAPH
Carl E. Faust, Chicago, Ill.
Application December 23, 1935, Serial No. 55,750
12 Claims. (Cl. 274—10)

4. In an automatic phonograph, a record magazine comprising a vertically movable supporting member adapted to carry thereon a stack of records resting horizontally one upon another, a pair of parallel horizontal rails spaced laterally apart a distance slightly less than the width of a record, said rails being formed adjacent said support to permit vertical shifting of the records by said support to aline the bottom surface of any selected one of said records of said stack with the top surface of said rails, means to engage the record thus selected and alined to move it from its position in or on top of said stack and onto



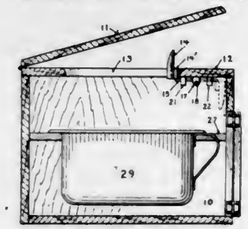
said rails and to guide and shift the record to a position beyond the edge of said stack, and a turntable mounted for movement between said rails from an inactive position beneath the rails to an active position above the rails, and operable in such movement to operatively engage and raise the selected record from said rails.

2,153,865
TUNING APPARATUS FOR RADIO RECEIVERS
Adolph E. Gersch, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 21, 1937, Serial No. 160,238
16 Claims. (Cl. 250—40)



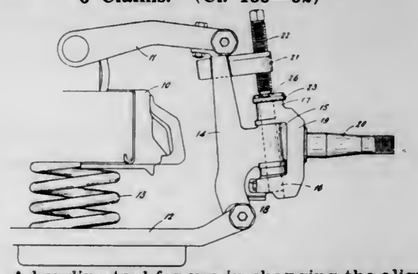
5. In combination with a tuning element of a radio set, a rotating drive shaft having driving connection with the tuning element, a power drive for said drive shaft, a manual drive for said drive shaft, selective stops for said drive shaft, and means whereby rotation of the manual drive releases said selective stops.

2,153,866
PORTABLE SANITARY COMFORT SEAT FOR CHILDREN
Harold Clyde Hess, Decatur, Ill.
Application March 30, 1938, Serial No. 199,041
4 Claims. (Cl. 4—137)



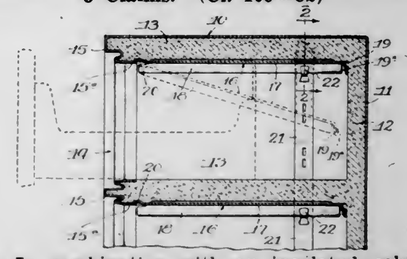
1. In a portable comfort cabinet comprising a housing having a horizontally disposed seat cover with an opening therethrough, a detachable semicircular guard plate hingedly secured to the underneath side of said seat cover and adapted to be raised to vertical position inside the edge of said opening, and spring means mounted on said seat cover for holding said guard plate in raised and lowered positions, respectively.

2,153,867
BENDING TOOL
Herbert Glenn Holmes, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application April 25, 1938, Serial No. 204,091
6 Claims. (Cl. 153—32)



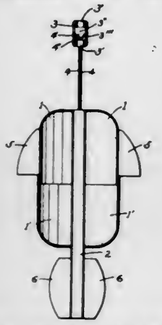
1. A bending tool for use in changing the alignment characteristics of dirigible automobile wheels, comprising a clamp having means to engage one portion of the wheel suspension means with the clamp extending substantially transversely thereof, an abutment for engaging another portion of the wheel suspension means, and an adjusting screw having threaded engagement with said clamp and extending at a right angle thereto for endwise engagement with said abutment, whereby adjusting movement of said screw operates to effect relative bending between said portions.

2,153,868
METAL LINING FOR WALLS OF INSULATED CABINETS
David E. Hunter, deceased, late of Muskegon, Mich., by Marion Hunter Brown, special administratrix, East Greenwich, R. I., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application August 19, 1937, Serial No. 159,985
5 Claims. (Cl. 109—82)



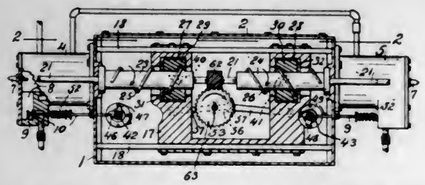
1. In combination with an insulated cabinet having insulation top, side and back walls, a lining for said top wall comprising a panel engaged with said top wall and having lateral and rear end tension members engaged respectively against said side and back walls, and a member at its front end projecting beyond said panel, and means providing a seat in which said projecting front member is held by the tension of said rear end tension member.

2,153,869
FLOAT FOR FISHING LINES
Clarence E. Jones, Springfield, Ohio
Application November 3, 1937, Serial No. 172,506
6 Claims. (Cl. 43—49)



6. In a fishing line float, a float having a channel to permit the free passage of the fishing line therethrough, of a clamping device to clamp the line to the float, and a line-actuated member operated by a jerk on the line to cause the same to clamp the line to the float after casting out and by another jerk on the line to release the line from the float in pulling in.

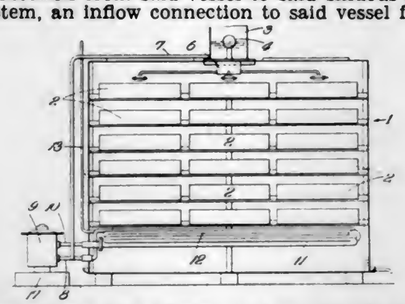
2,153,870
EXPLOSIVE ENGINE
Charles A. Lee, Kansas City, Kans.
Application May 13, 1935, Serial No. 21,173
3 Claims. (Cl. 121—119)



1. In an engine, the combination with a reciprocative cross head and a driven shaft extending therethrough and rotatable therein and having peripheral spiral driving means, of a tubular member revoluble on said cross head and around said shaft and having a radial hole from its periphery to its interior in register with said spiral driving means, a ball carried by said tubular member in said hole and removable radially outwardly from said hole and having driving engagement with said spiral driving means, and a screw having threaded engagement with said tubular member in said hole and removable radially outwardly from said hole and engaging and retaining said ball in said driving engagement.

2,153,871
APPARATUS FOR THE GERMINATION OF SEEDS AND THE GROWTH OF SEEDLINGS
Henry Hilton Blair Lund, Welwyn Garden City, England,
Application July 7, 1937, Serial No. 152,355
In Great Britain December 31, 1936
2 Claims. (Cl. 47—16)

1. A soil-less cultivation apparatus comprising a closed cabinet for the reception of a plurality of trays containing seeds and seedlings, means for supplying a fertilizer liquid to the trays within the cabinet including an overhead supply tank for the said fertilizer liquid, a heat supply source external to the cabinet, an internal sinuous pipe system located adjacent the bottom of the cabinet, a vessel for containing heating liquid arranged adjacent said heat source, an outflow connection from said vessel to said sinuous pipe system, an inflow connection to said vessel from



said sinuous pipe system, and a connection between said over-head supply tank for fertilizer liquid and the inflow to said vessel for replenishing the heating liquid in the system, said sinuous pipe system lying generally in a plane which slopes slightly upwardly from the point of introduction of heating liquid into the system up to the point of withdrawal of the liquid therefrom.

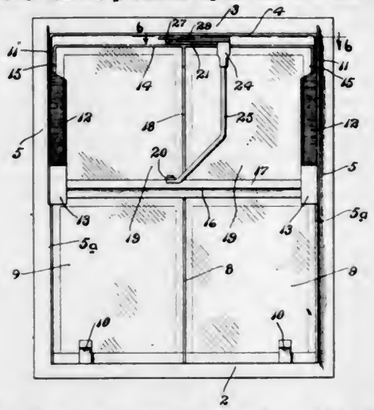
2,153,872
METHOD OF MAKING ALKALI METAL SILICATES
George R. McDaniel, Cincinnati, Ohio, assignor, by mesne assignments, to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 7, 1935, Serial No. 9,902
6 Claims. (Cl. 23—110)

1. In the art of manufacturing silicates of alkali metal which are soluble in water, the method which comprises mixing a substantial quantity of water in a mass of liquid silicate of soda, then dissolving caustic soda in said solution, sufficient in quantity to provide therein more than 1.5 molecular parts of Na_2O for each molecular part of SiO_2, then evaporating water in excess of that required to produce a hydrate of sodium silicate of approximately 5 to 7 molecules water of hydration, by placing the solution under vacuum sufficient to enable the solution to boil at a temperature of approximately 75 to 90° C. until a water-clear liquid is established, then supercooling said liquid rapidly after its establishment to induce crystallization thereof to a hard grindable solid mass.

2,153,873
BARN WINDOW
James M. Mercer, Muskegon, Mich., assignor to Vento Steel Products Company, Muskegon, Mich., a corporation of Michigan
Application November 29, 1937, Serial No. 176,975
16 Claims. (Cl. 189—64)

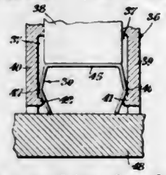
1. A window, a window frame, a window section tiltably mounted in said window frame to turn about its lower edge, means pivotally mounted on a vertical axis detachably connecting the upper part of said window section and the upper part of the window frame whereby said section may be tilted with respect to the window frame and held at a predetermined position said means also adapted to lock said section in a closed position, and means carried by the sides of said window

frame to support said tiltable window section in a further tilted position upon the disconnection



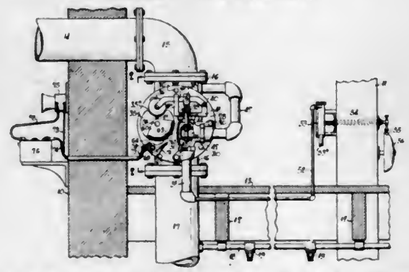
of said first mentioned means from the window frame.

2,153,874
STAPLING DEVICE AND METHOD
Emanuel R. Posnack, Brooklyn, N. Y.
Application November 6, 1936, Serial No. 109,425
20 Claims. (Cl. 1—48)



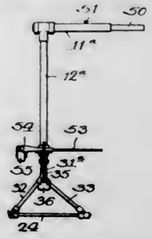
1. In a stapling machine for driving a staple having a substantially flat top and bent legs, a plunger adapted for operative engagement with the top of the staple, and two oppositely positioned deflecting elements positioned above and in spaced relation to the work to be stapled and interposed in the path of the legs of the staple for engagement therewith to operatively deflect the legs during the downward movement of the staple.

2,153,875
ALARM DEVICE
Grover C. Queen, Pomona, N. C.
Application November 8, 1937, Serial No. 173,471
2 Claims. (Cl. 169—23)



1. In a wet sprinkler system for a building in which a main pipe line conducts water to a building and has a plurality of branch lines equipped with normally closed sprinkler heads, said main pipe line and the branch pipe lines being normally filled with water under pressure, a housing disposed in said main pipe line and having a swinging gate therein completely filling said housing but being swingable by flow of water through the pipe line upon opening of one of the sprinkler heads or escape of water from any portion of the pipe line and its branch lines, a stem secured to one end of the gate and serving as a pivot for the gate and projecting to the exterior of the housing, a disk secured on said stem on the exterior of the housing and having a cavity therein, an alarm branch pipe line having one end connected to the main pipe line and having its other end connected to a suitable liquid motor operated alarm, a lever pivoted intermediate its ends and having one end connected to a valve in said alarm branch line, a roller mounted in the other end of the lever and normally resting in said cavity in said disk, flow of water through said main pipe line serving to move said gate and rotate said disk and open said valve to actuate said alarm.

2,153,876
MULTIPLE GANG TRACTOR MOWER
Joseph A. Roseman, Evanston, Ill.
Application January 25, 1937, Serial No. 122,146
2 Claims. (Cl. 56—7)

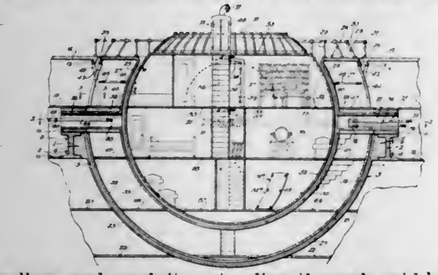


1. An attachment for a multiple gang mower hitch frame having a plurality of mower units arranged in successive rows, said attachment consisting of a transversely disposed extension member having means for detachable connection at the front end of said hitch frame, and a drag bar connected to the outer end of said extension member and adapted to extend rearwardly therefrom beyond the outer side of the adjacent front row mower unit of said hitch frame to provide connection for an auxiliary mower unit disposed in the second row, and an auxiliary frame member having a ground-engaging wheel and a laterally extending tie bar having means for detachable connection with the outermost front row mower unit to provide ground support for the rear end of said drag bar.

2,153,877
STABILIZED UNIT IN SHIP STRUCTURES AND THE LIKE
Thure Waller, Chicago, Ill.
Application October 22, 1937, Serial No. 170,427
6 Claims. (Cl. 114—189)

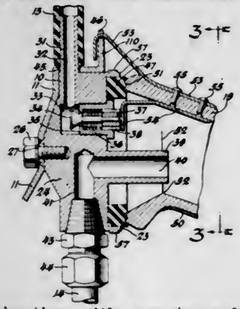
1. In a ship structure, a self-stabilizing unit comprising spaced inner and outer housings of which the outer housing is a fixed part of the hull of the ship, an intermediate housing disposed between said inner and outer housings and having means for pivotally connecting said intermediate housing with said outer housing on a diametric axis and means for pivotally connecting said intermediate housing with said inner housing on a diametric axis at right angles to the aforesaid diametric axis, said housings having openings at the loci of the pivotal connections between the housings to afford free passage from a housing

to the next housing while the housings have relative movements, said pivotal connections being



hollow, and conduits extending through said hollow connections from a housing to the next housing.

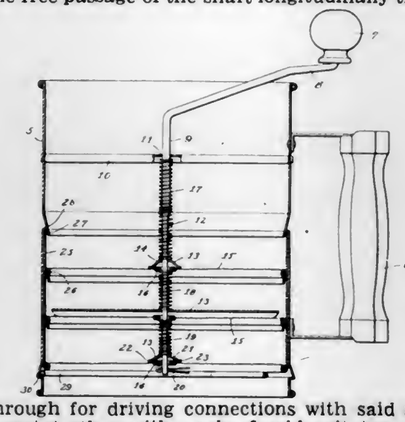
2,153,878
POWER OIL REMOVAL UNIT
Edward L. Wood, Detroit, Mich.
Application December 20, 1937, Serial No. 180,765
20 Claims. (Cl. 184—1.5)



1. In combination with a motor vehicle, a connector mounted on said motor vehicle, an air suction tube connected to the intake manifold of the engine of the said motor vehicle, an oil suction tube communicating with the low point of the crankcase of the said engine, the unconnected ends of the said suction tubes being mounted on the said connector, the said connector being adapted to support and position means for applying suction from the said air suction tube to the said oil suction tube in hermetically sealed relationship over the unconnected ends of said suction tubes whereby oil is removed from the crankcase of the said engine into an oil receiver.

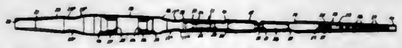
2,153,879
FLOUR SIFTER
Charles Andrews and Wilbur Hannon, Rockford, Ill., assignors to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application August 20, 1934, Serial No. 740,607
2 Claims. (Cl. 209—358)

1. In a flour sifter, the combination of an imperforate sheet metal cylindrical casing open at the top and bottom, a plurality of sifter units in superimposed relation in said casing each comprising a sheet metal ring fitting snugly inside the casing and of sufficient width to have enough bearing contact with the inside walls of the casing to insure positioning of the ring in a plane normal to the axis of the casing, and a flat screen stretched across one end of the ring and secured at its outer edges to the adjacent edge portion of the ring, the several rings being disposed edge to edge with the screens thereon in approximately equally spaced substantially parallel relation, an eyelet in the center of each screen projecting above the plane of the flat top thereof, the eyelets having circular holes provided therein and providing aligned shaft bearings, a shaft of polygonal cross-section adapted to pass freely through the openings in said eyelets and having means for rotating the same, a plurality of agitators each rotatably mounted upon one of said screens and having a central polygonal-shaped opening therein adapted for the free passage of the shaft longitudinally there-



through for driving connections with said shaft to rotate therewith, each of said agitators comprising a sheet metal bar formed generally to channel-shaped cross-section so as to provide two parallel screen-engaging longitudinal edge portions engaging the screen on opposite sides of the central eyelet which projects upwardly inside the channel-shaped portion of said agitator, and coiled compression springs on said shaft between the screens each with its upper end engaging the bottom of an eyelet and its lower end engaging the top of an agitator on the next screen below, said springs having the shaft extending freely therethrough longitudinally.

2,153,880
GOLF CLUB
George E. Barnhart, Pasadena, Calif.
Application December 28, 1935, Serial No. 56,500
7 Claims. (Cl. 273—80)

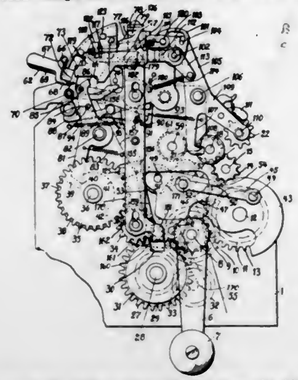


1. In a tubular golf shaft, a hollow body having an insert therein, a plurality of spaced heads and tongues on said insert and arranged within said shaft said tongues extending parallel to the shaft and spaced from the walls of said shaft so that they are free to vibrate.

2,153,881
REGISTER
Grover C. Coil, Dayton, Ohio, assignor to Central National Bank of Cleveland, trustee
Application September 5, 1936, Serial No. 99,568
36 Claims. (Cl. 101—66)

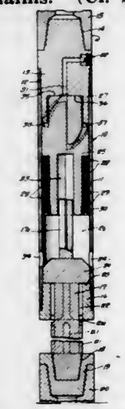
1. In a register, a main shaft, a ticket and record printing mechanism including a character which may be shifted into or out of printing position, control means whereby two tickets will be printed while only one impression is made

on the record, the first ticket and the record including the impression from the said character,



and means whereby the character is then shifted so that the second ticket will not receive the impression from the character.

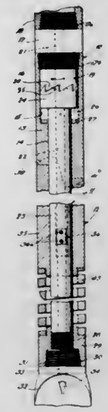
2,153,882
ROTARY JAR
Weldon C. Erwin, Huntington Park, Calif., assignor to John Grant, Los Angeles, Calif.
Application January 14, 1935, Serial No. 1,721
3 Claims. (Cl. 255—27)



1. In a jar connecting a pipe with an object lodged in a well, a tubular housing, a member connected thereto and adapted to make connection with the object, a vertically movable striking element in the form of a plunger in the housing, means connecting the striking element with said connecting member to allow vertical movement but restrain rotary movement of the element, means connecting the housing with the pipe, the pipe and striking element being relatively rotatable, and cam means connected with the pipe and the striking element whereby the element is moved longitudinally in one direction by rotation of the pipe, and means admitting fluid pressure from the well to the housing at one side of the plunger striker to move it in the opposite direction.

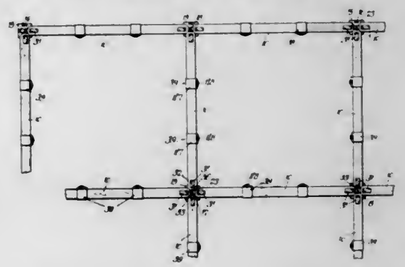
2,153,883
OIL WELL JAR
Walter L. Foster, Whittier, Calif., assignor to John Grant, Los Angeles, Calif.
Application July 6, 1936, Serial No. 88,917
5 Claims. (Cl. 255—27)

1. In a well jar for connecting the drill pipe with the work, a body attached to the lower end of the drill pipe, a relatively rotatable mandrel depending below said body and attached to the work, a vertically movable sleeve on the mandrel



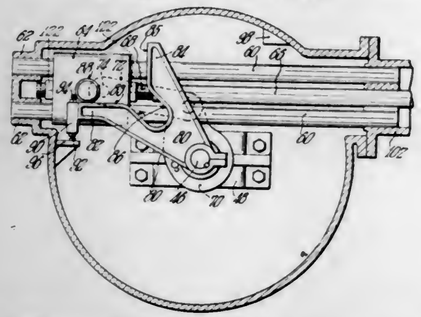
openly exposed within the well and adapted to impact upwardly against the body, and means for bringing said sleeve into impacting engagement with the body by virtue of relative rotation between the body and mandrel.

2,153,884
SCAFFOLD
Henry S. Goins, Chicago, Ill.
Application April 4, 1938, Serial No. 199,773
11 Claims. (Cl. 304—2)



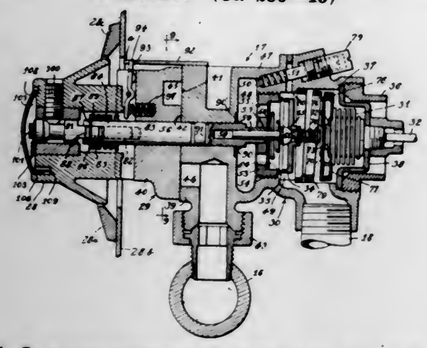
1. A sectional scaffold adapted to be extended in length by the addition of sections thereto comprising a first section having a plurality of vertical posts spaced apart in parallelogrammatic form, a flat metal plate of uniform thickness seating on the upper surface of each post and of sufficient area to project outwardly beyond each vertical face of the post, said plate having a plurality of slots extending through its projecting portions, each slot extending parallel to a marginal edge of the plate and having its inner defining edge disposed in substantially the plane of a vertical face of the post, horizontal platform supporting beams extended between said posts, the ends of said beams seating on the plate on the posts and terminating inwardly of a plane defined by the adjacent vertical face of the post, and means carried by said beams and securing them to said plates, said means comprising a depending member extended through a slot in the plate and disposed to abut the post below the plate.

2,153,885
VALVE APPARATUS
David D. Goldberg, Springfield, and Aaron R. Kligman, Indian Orchard, Mass., assignors, by direct and mesne assignments, to Chapman Valve Manufacturing Company, Indian Orchard, Mass., a corporation of Massachusetts
Application July 6, 1935, Serial No. 30,055
8 Claims. (Cl. 251—97)



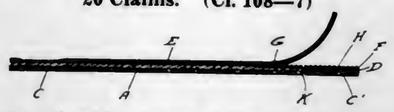
1. The combination of a plug reciprocable and rotatable in a body and having a stem with operating means therefor comprising, an operating member guided for reciprocating movements between plug closed and open positions, a rotatable lifter lever threadedly associated with said stem, connections between the lever and operating member whereby the lever is rotated by the said member, a second lever fixed to said stem having diverging arms, means on said operating member to engage said arms whereby the second lever is swung thereby, all adapted and arranged whereby as the operating member is moved from a plug closed to open position the lifter lever is first rotated to unseat said plug and then the said second lever is actuated to rotate the plug to open position and finally the lifter lever is rotated reversely to seated position.

2,153,886
OVEN HEAT CONTROL
John H. Grayson, Lynwood, Calif., assignor to Grayson Heat Control, Inc., Lynwood, Calif., a corporation of California
Application November 2, 1935, Serial No. 47,945
6 Claims. (Cl. 236—15)



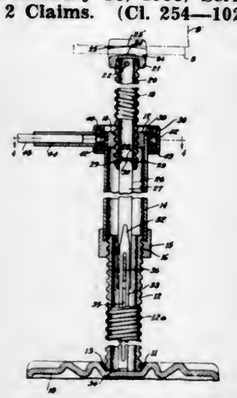
1. In a combination oven control for gas ranges, a rotary gas cock comprising stator and rotor elements, an oven heat regulator having a body integral with the stator element of the gas cock and having a gas discharge passage therethrough communicating with an outlet port provided in the stator, a valve seat member threaded at its periphery in said passage for rotary axial adjustment on substantially the same axis with the rotation of the rotor element end of said gas cock, a main control shaft coaxial with the gas cock and oven heat regulator and having a sliding driving connection at one end with said valve seat member to thread it in either direction, a coaxial auxiliary shaft slidable endwise but non-rotatable with respect to the other end of said control shaft, a manually operable disc carried on and movable endwise with the auxiliary shaft and having a sliding driving connection with the rotor to communicate rotation thereto whereby rotation of the disc serves simultaneously to open the gas cock and adjust the regulator to a desired temperature setting, a valve in said discharge passage movable toward and away from the seat on the valve seat member to regulate gas flow through said passage, thermostatic means for communicating regulatory movement to said valve, and sliding latch means including a cam surface for locking the disc against rotation and for resisting its rotary movement toward locked position.

2,153,887
FLEXIBLE CEMENT ROOFING
Harold W. Greider, Wyoming, and George A. Fasold, Cincinnati, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
Application September 6, 1935, Serial No. 39,446
20 Claims. (Cl. 108—7)



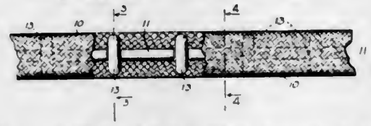
3. In a flexible roofing, a bituminous saturated layer having a readily removable marginal strip, and a bituminous impregnated layer in adhesive contact therewith over the greater portion thereof, said last mentioned layer being free of engagement with the readily removable strip and projecting over the readily removable strip and provided with a non-adhesive face portion.

2,153,888
DOUBLE ACTING JACK
Herbert O. Haferkorn, Alliance, Ohio
Application January 16, 1936, Serial No. 59,380
2 Claims. (Cl. 254—102)



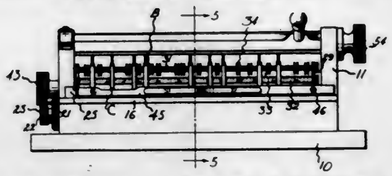
1. A jack including a base plate, an upper tubular screw, a lower tubular screw secured to the base plate and adapted for telescoping over said upper screw, said screws having opposite handed external screw threads, a tubular member having nuts at its ends for engaging said screw threads, ratchet means carried on said tubular member for rotating the same, a holding member within the tubular member for preventing rotation of the upper screw, the upper end of said holding member having a non-rotatable vertical sliding connection with said upper screw, and the lower end of said holding member being non-rotatably vertically slidable in said lower screw.

2,153,889
SUTURE
Frederick William Hames, New York, N. Y., assignor to J. A. Deknatel & Son, Inc., Queens Village, N. Y., a corporation of New York
Application July 20, 1937, Serial No. 154,530
3 Claims. (Cl. 128—1.1)



2. As a new article of manufacture, a suture insoluble in the fluids of the human body and having means for receiving treating units in spaced relationship within the body of the suture, and means for maintaining the spaced relationship of said units.

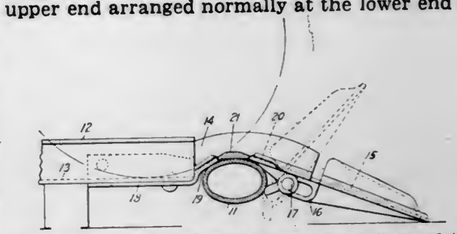
2,153,890
TABULAR BROACHING MACHINE
Henry T. Honig, Dallas, Tex., assignor to Universal Monotabular Corporation, Dallas, Tex., a corporation of Delaware
Application July 12, 1937, Serial No. 153,240
17 Claims. (Cl. 164—91)



2. A broaching machine for broaching a metallic rule including, a frame having a work receiving deck on which said rule is mounted, a punch assembly arranged to be locked within the frame adjacent the deck, said assembly comprising a longitudinal shaft, a plurality of supporting members on the shaft and having threaded engagement therewith so as to be movable longitudinally on said shaft to various positions thereon, a punch adapted to be mounted on each supporting member and having a perforating element overlying the rule to be broached when the assembly is mounted within the frame, and means on the frame for actuating the perforating element to broach the rule.

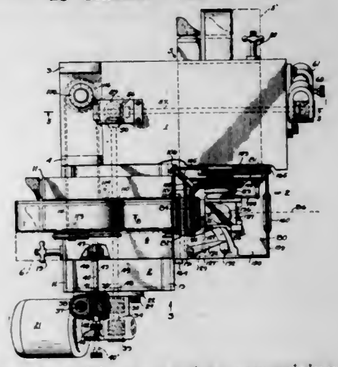
2,153,891
AUTOMOBILE LIFT
Ion Von Kert Hott, Dayton, Ohio, assignor to The Joyce-Gridland Company, Dayton, Ohio, a corporation of Ohio
Application June 28, 1937, Serial No. 150,774
1 Claim. (Cl. 254—89)

In an automobile lift, a substantially flat runway having an elevated portion adjacent to but spaced from one end thereof, said elevated portion having front and rear surfaces sloping downwardly toward the adjacent end and the inner portion, respectively, of said runway and having a relatively narrow top surface, and an inclined ramp mounted on said runway with its upper end arranged normally at the lower end of



the front surface of said elevated portion of the runway and having a part movable to an elevated position to form a stop at said end of said runway, the arrangement of said elevated portion of said runway being such that a wheel supported on the narrow top surface thereof will move by gravity down one or the other of said sloping surfaces.

2,153,892
DOUBLE CAMERA
Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., Burbank, Calif., a corporation of Delaware
Application April 4, 1936, Serial No. 72,735
15 Claims. (Cl. 88—16)

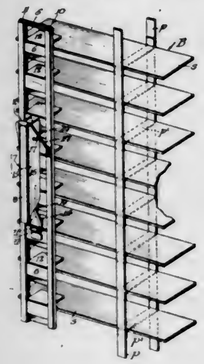


1. Photographic apparatus comprising a light deflector for directing light rays from an object into cameras having optical axes in the same plane, slide means for moving said deflector in a plane parallel to a plane through the optical axes of said cameras, a deflector support rotatably supported on said slide for holding said deflector, a crank operatively connected to said support for rotating said support, a screw threadably carried by said slide, and means on said screw for engaging said crank.

2,153,893
VENETIAN BLIND CLAMP
Elof Johanson, Chicago, Ill.
Application November 19, 1938, Serial No. 241,307
10 Claims. (Cl. 156—17)

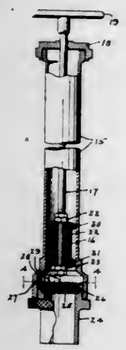
1. A clamp adapted to hold the slats of a Venetian blind against tilting and comprising an elongated clamping member having a longitudinal series of clamp fingers for abutment against the under faces of the slats, and a second elon-

gated clamping member disposed in parallel relation with the first member and having complemental clamp fingers in opposed relation with the fingers of said first member for abutment against



the top faces of the slats and movably connected to said first member so that it is shiftable into and out of an operative position wherein its clamp fingers coact with the clamp fingers of said first member to clamp the slats therebetween.

2,153,894
SEDIMENT SAMPLER
Adam M. Lang, Indianapolis, Ind., assignor to Langsenkamp Wheeler Brass Works, Inc., Indianapolis, Ind.
Application January 13, 1938, Serial No. 184,817
2 Claims. (Cl. 73—51)

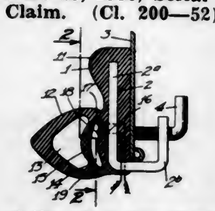


1. In a sediment sampler of fluids, a chamber, a filter pad carrier detachably secured across the lower end of said chamber, said carrier having a foraminated floor spaced below its top end to define a filter pad receiving and locating pocket in the top end of the carrier, a transverse bar carried by said carrier in spaced relation above said floor, between which floor and bar said pad is inserted and retained and peripherally located by said pocket side wall, and means for selectively creating a suction and a pressure in said chamber, and a transverse bar carried by said chamber spaced above said pad and angularly displaced in relation to said pad restraining bar for limiting the lifting of said pad about its restraining bar to prevent contact one with the other of the upturned portions.

2,153,895
SOLVENT AND PROCESS FOR DEWAXING MINERAL OILS
Donald S. McKittrick, Oakland, and Hilary J. Henriques, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 20, 1936, Serial No. 86,356
10 Claims. (Cl. 196—18)

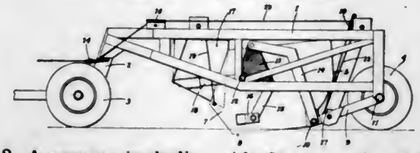
1. A selective solvent dewaxing mixture for petroleum oils, consisting of between 15 and 90% isopropyl alcohol and between 10 and 85% of a dichlorinated aliphatic hydrocarbon having two carbon atoms.

2,153,896
CURB INDICATOR AND BUMPER FOR VEHICLES
Jack L. Mohar, Los Angeles, Calif.
Application June 29, 1936, Serial No. 87,946
1 Claim. (Cl. 200—52)



In a device of the class described, the combination with an automobile fender, of a rubber bumper securable to the fender, the bumper having a protrusion extending outwardly beyond the main portion of the bumper and having therein a sealed main chamber and a second chamber between said protrusion and said main portion, said chambers being separated by a wall, and a switch in the second chamber adapted to be actuated by distortion of the wall between the two chambers.

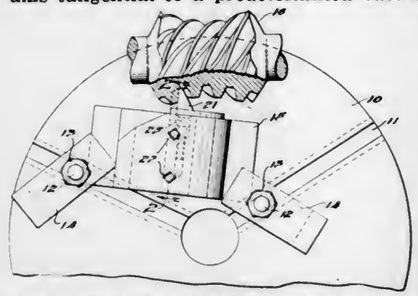
2,153,897
SCRAPER
Stanley S. Moore, Stockton, Calif.
Application August 31, 1936, Serial No. 98,653
7 Claims. (Cl. 37—126)



2. A scraper including side frames, a bowl disposed between the same, arms at the sides of the bowl pivoted on the bowl and on the frame for movement in a vertical plane, a single control cable extending along one side frame, and cable engaging members on the frames and arms over which said single cable passes unbroken and arranged so that a pull on the cable is transmitted with equal pressure to both arms.

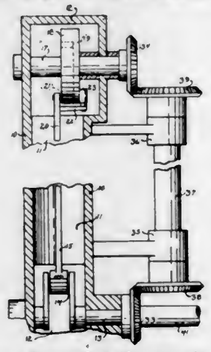
2,153,898
ROTARY TOOL HOLDING FIXTURE
George R. Scott, Detroit, Mich.
Application April 29, 1936, Serial No. 76,944
6 Claims. (Cl. 29—105)

1. A tool holding fixture for machining tooth surfaces on a worm of the globoidal type, comprising a rotary table, a turret mounted on said table, a tool holding element mounted in said turret and adapted for adjustable rotation about an axis tangential to a predetermined base cir-



cle, and means for locking a tool in said tool holding member with the cutting edge of said tool lying in the axis thereof.

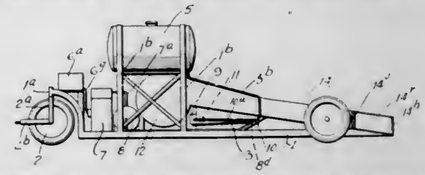
2,153,899
INTERNAL COMBUSTION MOTOR
Arthur B. Shover, Des Moines, Iowa
Application March 10, 1937, Serial No. 130,016
1 Claim. (Cl. 123—51)



In an internal combustion motor, a block having a bore, a rotatably mounted shaft, a crank shaft secured to said shaft, a piston slidably mounted in said bore, a means for operatively connecting said piston to said crank shaft for causing said first mentioned shaft to rotate when said piston is reciprocated, a fuel inlet passageway in said block communicating with the inside of said bore, a valve for permitting the passage of fuel through said passageway at times, an outlet passageway in said block communicating with the inside of said bore, a valve for permitting the passage of gases through said outlet passageway at times, a second rotatably mounted shaft, a means for operatively connecting said second mentioned shaft to said first mentioned shaft, a cam element on said second shaft, a second piston slidably mounted in said bore, and a means for operatively connecting said second piston to said cam element for causing said first mentioned shafts to rotate when said second piston is reciprocated; said two pistons being diametrically opposed to each other in said bore and both capable of simultaneously causing said first mentioned shaft to rotate when they are forced away from each other.

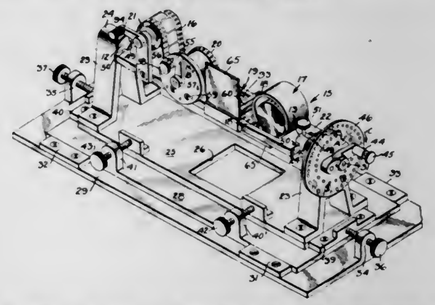
2,153,900
MOBILE ORCHARD HEATING APPARATUS
Ray H. Taber, Chula Vista, Calif.
Application October 28, 1937, Serial No. 171,417
12 Claims. (Cl. 47—2)

3. In an apparatus of the class described, a heat mixing and discharge member, a blower means mounted in connection with said heat mixing and discharge member, an oil burning furnace mounted in connection with said heat mixing and discharge member, and a plurality of partitions vertically secured within said heat



mixing and discharge member and extending less than the full length thereof, the ends thereof terminating substantially short of the discharge end of said heat mixing and discharge member.

2,153,901
METHOD AND APPARATUS FOR PRODUCING SWINGING DISSOLVE MOTION PICTURES
William Thomas, Glendale, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application January 13, 1936, Serial No. 58,905
16 Claims. (Cl. 88—16)

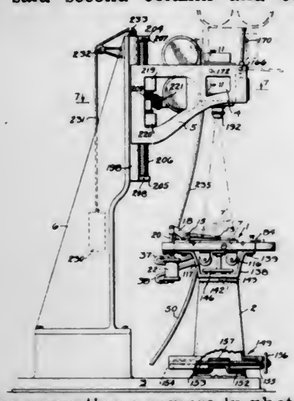


1. The method of making picture dissolves for motion picture films which comprises, preparing a motion picture film of the portion of the action to be dissolved, intermittently advancing the film across the photographic axis of a camera, progressively turning said film about an axis in the focal plane of the camera in timed relation with said advancing to vary the perspective aspect thereof, and intermittently photographing said film, as thus advanced and turned, upon a motion picture film in said camera.

2,153,902
APPARATUS FOR MAKING ANIMATED CARTOONS
Albert W. Tondreau, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application July 5, 1935, Serial No. 29,789
13 Claims. (Cl. 88—16)

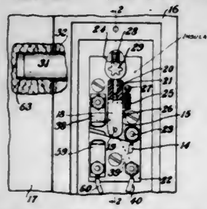
13. Photographic apparatus comprising a bed, a vertical column on said bed, means for transversely adjusting said column with respect to said bed, a circular bearing at the top of said column, a table support rotatably carried by said bearing, means for locking said table support to the top of said column in adjusted position, a horizontal picture table carried by said table support, a transparent presser plate hinged to said picture table, a second vertical column fixed to said base and arising therefrom at one side of said first

column, and a camera support vertically adjustable on said second column and comprising



means for supporting a camera in photographing relation to the top of said table.

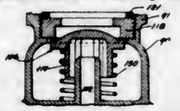
2,153,903
AUTOMOBILE THEFT ALARM AND IGNITION LOCK
Charles Vignos and Charles D. Vollmer, Canton, Ohio
Application June 6, 1934, Serial No. 729,265
4 Claims. (Cl. 200—55)



4. A combined lock and switch for a hinged door and a door post against which the door is adapted to close, said lock and switch being located within the door post and including a reciprocating bolt, a rotatable lock spindle operatively connected to said bolt to reciprocate the bolt, a cam fixed upon the lock spindle, a movable part in the switch, and spring means urging said movable part of the switch into contact with said cam whereby the switch is operated by the operation of the lock.

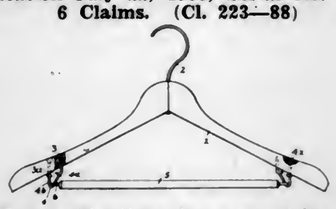
2,153,904
SIPHON BREAKER
Elihu C. Wilson, Los Angeles, Calif., assignor of twenty-five per cent to Eva Pearl Wilson, twenty-five per cent to Elizabeth J. Wilson, both of Los Angeles, Calif., and twenty-five per cent to Adelaide B. Booth, Culver City, Calif.
Application October 9, 1935, Serial No. 44,176
5 Claims. (Cl. 137—69)

1. In a device of the character described, the combination of a body having an inlet at its upper end, an outlet at its lower end, and a vertical fluid passageway from inlet to outlet, an air inlet passageway in the body terminating in an orifice opening upwardly within the fluid passageway, an upwardly facing valve seat around said orifice, a check valve disk within the fluid passage adapted to seat downwardly on said valve seat, a downwardly facing valve seat within the body disposed around the fluid passageway, said valve disk being adapted to be moved upwardly from its upwardly facing seat to seat against said downwardly facing seat, and a spring yieldingly supporting said check valve disk normally in a position near said downwardly facing seat, said



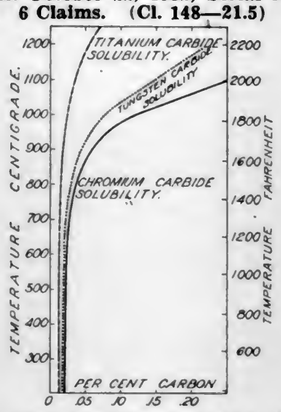
valve disk being movable onto said second seat by virtue of suction applied to the inlet and consequent admission of air through the air inlet passageway, and being held in its first mentioned position by flow of water through the fluid passageway from inlet to outlet.

2,153,905
GARMENT HANGER
Bozhidar M. Yankovitch, Paterson, N. J.
Application July 22, 1938, Serial No. 220,610
6 Claims. (Cl. 223—88)



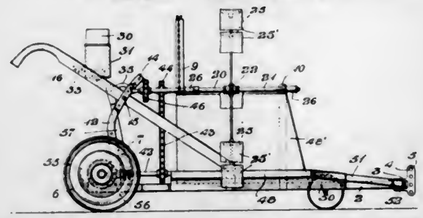
1. The combination of a garment hanger bow structure having a hook journaled in one end portion thereof and its hook portion under the bow and a bar pivotally connected at one of its ends to one end portion of the bow structure and having its other end portion adapted to be supported by said hook portion, said structure having a notched portion adapted to receive such hook portion and releasably hold said hook against rotation.

2,153,906
METHOD OF HEAT TREATING CHROMIUM-CONTAINING CORROSION AND/OR HEAT RESISTING STEELS
Robert H. Aborn, Millburn, and John J. B. Rutherford, Jersey City, N. J., assignors to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
Application October 22, 1932, Serial No. 639,072
6 Claims. (Cl. 148—21.5)



1. The method of preventing loss of corrosion resistance in austenitic iron and steel alloys containing chromium, carbon and at least one of the strong carbide forming elements at temperatures below about 800° C., which comprises a stabilizing heat treating step applied to the alloy prior to use at temperatures within said damaging range, the temperature of said heat treatment being between about 730° C. and about 950° C., and the time interval of said heat treating being at least sufficient to obtain a substantial conversion of the carbon content of the said alloy into carbide compounds of the said strong carbide forming element.

2,153,907
MECHANICAL MOPPER FOR INSECTICIDES
Joseph J. Allen, Allendale, S. C.
Application May 6, 1938, Serial No. 206,491
7 Claims. (Cl. 299—29)



1. In a device of the character described, a ground wheel including power take-off means, a hanger supported by the ground wheel, an elongated frame connected to the hanger including a pair of spaced bar members, spaced uprights carried by the frame, a rotatable reel, means swingably mounting said reel on said spaced uprights, a drive connection between the power take-off and reel, a pan supported by said frame and extending partially beneath said reel, and a panel positioned above said frame and extending between said uprights.

2,153,908
PROCESS OF MAKING COPPER SULPHATE
Marius C. Bagby, El Paso, Tex.
No Drawing. Application June 26, 1935, Serial No. 28,583
3 Claims. (Cl. 23—125)

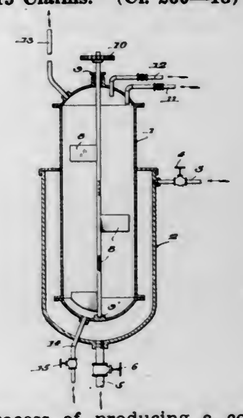
1. The process of producing copper sulphate from copper substantially free from sulphuric acid soluble constituents which consists in acting upon the metal in scrap form in the presence of dilute sulphuric acid while bubbling air thru the acid, said air containing a small amount of ozone whereby the speed of reaction is accelerated.

2,153,909
BROACH
Harry A. Baker, Hudson, Mass., assignor to The LaPointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application January 20, 1938, Serial No. 185,934
6 Claims. (Cl. 29—95.1)



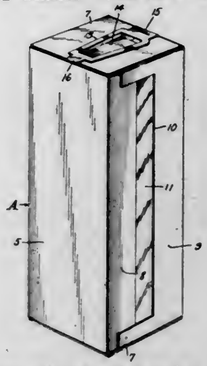
1. A broach comprising a plurality of polyangular cutting sections having cutting portions at the angles of said sections and circumferentially spaced apart, said sections being axially arranged in two separate cutting series, with the odd sections forming one series and the even sections forming a second series, the cutting teeth in each series being axially aligned and each row of teeth in one series being disposed between two adjacent rows of teeth in the other series and having the peripheral edge portions of its teeth out of axial alignment with the peripheral edge portions of the teeth in the other series.

2,153,910
COATING COMPOSITION AND PROCESS OF PREPARING THE SAME
Julian T. Baldwin, West Chester, Pa., assignor to Paulsboro Manufacturing Company, a corporation of New Jersey
Application November 24, 1930, Serial No. 497,949
15 Claims. (Cl. 260—18)



1. The process of producing a coating composition comprising treating oxidized oil gel containing in substantial amount with respect to said gel, oxidized fatty oil that is normally insoluble in such materials as toluol and petroleum ether, with an organic liquid, low boiling volatile dispersing agent under pressure and thereby producing a dispersion, adding to the dispersion a quantity of alkali-resistant resin to produce a mutual dispersion of oil gel and resin, and evaporating the dispersing agent therefrom.

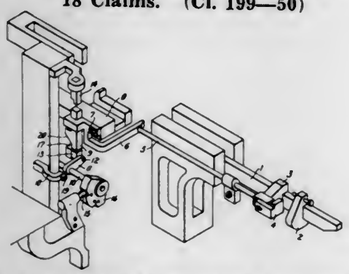
2,153,911
CONTAINER
Felix Benedetti, Garfield, N. J.
Application October 18, 1937, Serial No. 169,739
1 Claim. (Cl. 206—44)



A container of the character described constructed of a folded blank having one side wall

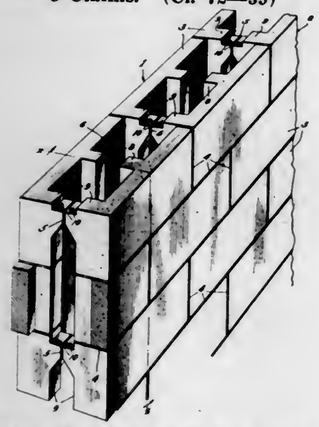
providing flaps folded one upon the other in overlapped relation to each other, one of said flaps in overlapped relation being cut away for the major extent of the length thereof and providing an elongated sight opening, and a transparent panel inside with relation to the said flaps for covering the sight opening and being sealed with the flaps which are sealed together at the overlaps thereof.

2,153,912
TYPOGRAPHICAL SLUG CASTING MACHINE
John Ernest Billington, deceased, late of Crewe, England, by Mary Ellen Billington, executrix, Crewe, England, and Richard Henry Scott, Enfield, England, assignors to Linotype and Machinery Limited, London, England, a British company
Application May 18, 1937, Serial No. 143,306
In Great Britain May 26, 1936
18 Claims. (Cl. 199—50)



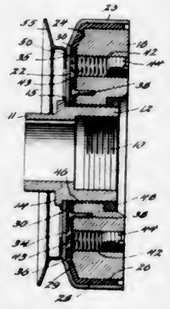
1. A typographical slug casting machine comprising quadding means adapted to be connected to a line clamping jaw when desired, and means for automatically effecting said connection when the line of matrices composed is of less than a pre-arranged length, said latter means being rendered inactive by a matrix line of such pre-arranged length.

2,153,913
BUILDING BLOCK
Elie Owen Blackwell, Gainesville, Fla.
Application January 10, 1938, Serial No. 184,262
5 Claims. (Cl. 72—39)



1. A wall comprising inner and outer sections spaced from each other to provide an air space between them, each section consisting of a plurality of horizontally extending tiers of blocks, the blocks of each tier being in staggered relation to adjoining tiers, pilasters extending inwardly from said blocks and resting one upon another to provide wall sections with inwardly projecting reinforcing columns, and tie lugs extending from certain of said pilasters with the tie lugs of the wall sections disposed in opposed and confronting relation to each other and having their confronting faces bound to each other by a water-proof binder serving to prevent passage of moisture from the blocks of the outer wall section to the blocks of the inner wall section.

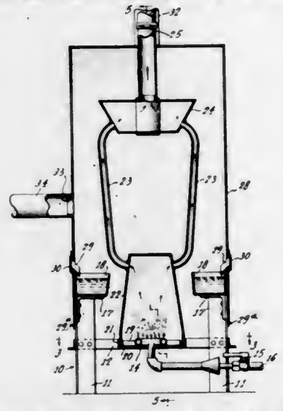
2,153,914
VIBRATION DAMPER
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 21, 1936, Serial No. 65,163
2 Claims. (Cl. 74—574)



1. In a vibration damper for crankshafts, the combination with a member adapted to be secured to a shaft and having a cylindrical hub portion, an axially extending cylindrical outer rim portion overlying said hub portion, and a web connecting said portions, of an inertia member of annular shape positioned intermediate said rim and hub portions and journaled on the latter, means of deformable, energy absorbing material interposed between and surface bonded to said rim portion and said inertia member over substantially the entire peripheral surface of the latter to resist relative rotation of said members, whereby vibrations of relatively low amplitude and high frequency may be effectively dampened, and a fan pulley rotatable from said hub by said web, said pulley comprising an annular flange welded to said web and defining therewith a groove for the reception of a fan belt.

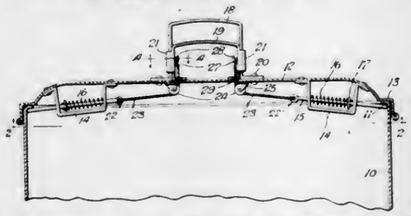
2,153,915
HOT AIR GAS HEATER PIPE AND DOME HEATING SYSTEM
William Dolibois, Penn, Pa.
Application July 26, 1937, Serial No. 155,672
3 Claims. (Cl. 126—116)

1. A device of the class described comprising a horizontal frame, legs supporting said frame above the floor, a gas burner supported on said frame, a shelf surrounding said burner and having a peripheral wall around the same, a hood open at the bottom supported on said shelf within said wall, a box-like dome above said hood, pipes communicating from the sides of said hood with the sides of said dome, a flue outlet from said dome, a housing supported on said legs and enclosing said hood, pipes and dome, hot air outlets in said housing, humidifier troughs on said legs inside said housing, openings in said housing



giving access to said troughs, said hood being substantially frustro-pyramidal in form.

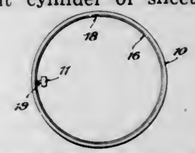
2,153,916
GARBAGE CAN COVER
Harry Dunbar, Spokane, Wash.
Application July 23, 1937, Serial No. 155,307
1 Claim. (Cl. 220—56)



A garbage can cover having an upper inverted U-shaped handle, a lower inverted U-shaped handle disposed within the first named handle, U-shaped guide flanges on the sides of the lower handle slidably receiving the sides of the upper handle, hooks on the inner sides of the lower handle, hollow brackets depending from the lower face of the can cover, rods forming latches slidably mounted in said hollow brackets, springs sleeved on the rods within the hollow brackets and normally holding said latches at their outer limits of movement, guide pulleys on the underneath face of the cover, there being openings formed in the cover above said guide pulleys, and cables connected at the upper ends to said hooks and trained through said openings and over said guide pulleys and being connected at the lower ends to said latches, movement of the lower handle longitudinally of the upper handle by closing of the operator's grip on both handles pulling the cables to withdraw the latches to their inner limit of movement.

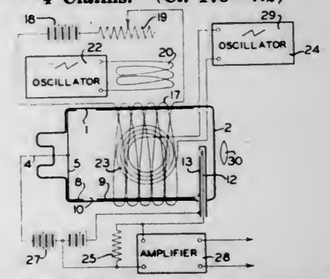
2,153,917
CHART FOR RECORDING INSTRUMENTS
Paul G. Exline, O'Hara Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application September 24, 1936, Serial No. 102,425
3 Claims. (Cl. 234—70)

1. A chart for use in recording apparatus of the type adapted to form graphic records and having stylus means and cylindrical chart holding means cooperating therewith, the chart comprising a resilient cylinder of sheet aluminum of



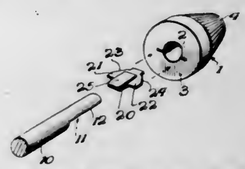
thickness about 0.003 to 0.008 inch, the cylinder being of substantially the same diameter as the chart holding means and adapted to be held close against the chart holding means by its own resiliency.

2,153,918
DISSECTOR TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application December 31, 1935, Serial No. 56,976
4 Claims. (Cl. 178—7.2)



1. The method of electrical picture analysis which comprises the steps of forming an electron stream having the characteristics of an electrical image at its source only, and subjecting said stream to the combined action of electric and magnetic fields, one of said fields being proportioned to direct all electrons component of said stream toward a preselected point of collection, and the other of said fields being proportioned to direct electrons from a single elementary area only of the source toward said point of collection at any one instant and to divert the remainder of the electrons component of said stream from said point.

2,153,919
KNOB ATTACHING DEVICE
Herbert Forsythe, Grand Rapids, Mich., assignor to Waddell Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application July 19, 1937, Serial No. 154,488
7 Claims. (Cl. 287—53)



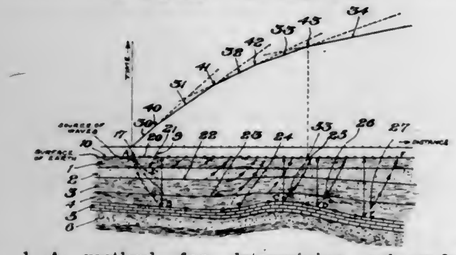
1. A device for attaching a shaft within an opening formed in a knob, comprising a device formed of sheet metal and having a flat body portion adapted to extend across the knob opening as a chord thereof, wing members formed on the

lateral sides of said body portion and adapted to engage the material of a knob in order to attach the device thereto, and a second flat portion yieldingly attached to said flat body portion and being disposed in spaced parallel and superposed relation thereto and being adapted to engage a shaft which is inserted in the knob opening.

2,153,920
SEISMOGRAPH PROSPECTING

Louis W. Gardner, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application October 17, 1936, Serial No. 106,262
12 Claims. (Cl. 181—0.5)



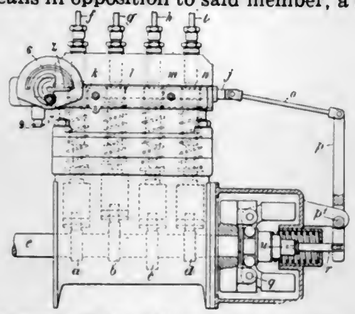
1. A method for determining sub-surface geological structure in regions in which there is at least one buried stratum of known relatively high characteristic speed, which method comprises setting up a source of seismic waves adjacent the surface of the earth so as to cause waves to penetrate downwardly to the high speed stratum, to intercept the stratum at a first refraction point corresponding to the critical angle at the interface between the high speed stratum and overlying strata, to follow the top of the high speed stratum and to be refracted upwards at the critical angle, detecting such refracted waves at a position on the earth, said position having associated therewith a second refraction point on the high speed stratum corresponding to the critical angle, then setting up another source of waves at a location on the surface of the earth different from the first and lying on the circumference of a circle the center of which is at an offset position point on the earth directly above the first refraction point and the radius of which is equal to the offset distance between the first source and said offset position point, so that waves are again caused to penetrate downwardly, to intercept the high speed stratum at substantially the same first refraction point, to follow the top of the high speed stratum and to leave upwardly at the critical angle, and detecting waves at a position spaced from said second source and lying in a vertical plane including it and the said common first refraction point, said position having associated therewith another second refraction point, whereby the differential depth between the two second refraction points can be calculated and inferences drawn as to the contour of the high-speed stratum.

2,153,921
MEANS FOR VARYING THE FUEL SUPPLY TO INTERNAL COMBUSTION ENGINES

Joseph Hugh Stott Gardner and John Kynaston Gardner, Patricroft, near Manchester, England, assignors to L. Gardner & Sons Limited, Patricroft, near Manchester, England, a British company

Application December 15, 1937, Serial No. 179,986
In Great Britain January 1, 1937
4 Claims. (Cl. 123—140)

1. Means for controlling the fuel charges of internal combustion oil engines of the compression ignition type, comprising in combination fuel charge injection pumps, means to vary the quantity of fuel injected by said pumps, an engine speed governor, a member moved thereby arranged operatively to engage said quantity varying means during its movement in the direction corresponding to increase of engine speed and not during its movement in the other direction, resilient means acting upon said quantity varying means in opposition to said member, a stop to

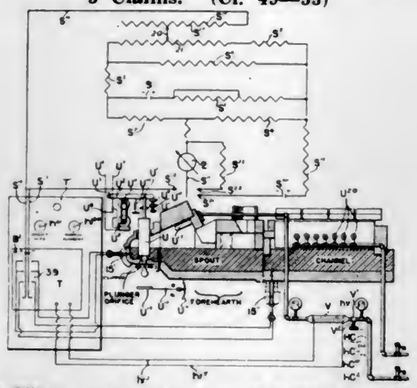


limit movement of said quantity varying means under the action of said resilient means, means to adjust said stop in position and to vary the extent to which said quantity varying means can follow up the movements of said governor, manually actuable means independent of said stop-position-adjusting-means to move said stop from the path of said quantity varying means, the stop returning automatically to its original position when released by said manually actuated means and when permitted by movement of said quantity varying means by said governor.

2,153,922
CONTROL METHOD AND APPARATUS

John R. Green, Philadelphia, Anker E. Krogh, Erdenheim, Coleman B. Moore, Carroll Park, and Roy Ullman, Roslyn, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 4, 1935, Serial No. 4,738
5 Claims. (Cl. 49—55)



1. The combination with a glass feeder containing molten glass and devices separately responsive to temperatures in two portions of the receptacle the temperature in one of which portions is more important in the control of the feeder than the temperature in the other of said portions, a temperature measuring instrument, means for connecting said instrument alternately

to said devices for periods which are longer in the case of the first mentioned device than in the case of the second mentioned device, feeder control means and means operated by said instrument to adjust said feeder control means in accordance with the measurements effected only during the longer periods.

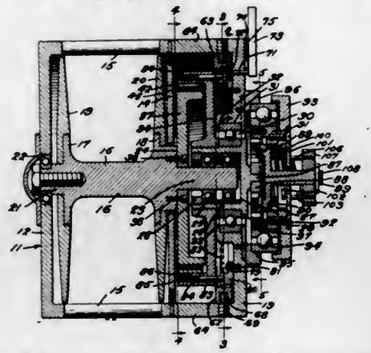
2. The method of controlling the condition of molten glass in a glass feeder comprising a receptacle for the glass and heating means for supplying heat to the glass at a regulable rate, which consists in maintaining said rate at a constant value while the temperature of the glass is at a predetermined normal value, and rapidly changing said rate as the glass temperature changes from its said normal value in a direction to arrest and reverse the temperature change but to an extent insufficient to return said temperature to its normal value and reversely changing said rate rapidly as said temperature approaches its normal value, and further increasing or decreasing said rate more slowly when said temperature is respectively below or above its normal value until said temperature reaches said normal value.

3. Apparatus for controlling glass feeders comprising a receptacle for molten glass from which glass gobs are discharged, a reciprocating plunger having a predetermined stroke for extruding said gobs, and rotatable means for adjusting the stroke of said plunger, a reversable electrical motor connected to said rotatable means and operating to rotate said means in one direction or another to vary said stroke, means for measuring the weight of gobs discharged and means controlled by said measuring means to selectively energize said motor in one direction or the other to thereby minimize the gob weight variation from a predetermined normal weight.

2,153,923
FISHING REEL

Frederick Martin Grieten, Miami, Fla.

Application July 3, 1937, Serial No. 151,927
9 Claims. (Cl. 242—84.5)



1. A fishing reel adapted to be secured to a support and comprising: a frame including housing plates spaced apart substantially parallel to each other, a spool shaft journaled in said housing plates, a brake drum fixed to said shaft, a disk journaled to rotate in said housing about the axis of said shaft, a brake shoe movably mounted on and extending laterally from said disk over and normally out of contact with said brake drum, a ring mounted in said housing to slide axially over said brake shoe, and means of said brake shoe operable by contact with said ring for moving said shoe into braking contact with said drum.

2,153,924
AERIAL ADVERTISING DEVICE

Charles E. Haines, Santa Barbara, Calif., assignor to Pacific Giro Sales Co., Alameda, Calif., a corporation of California

Application May 31, 1932, Serial No. 614,419
32 Claims. (Cl. 40—127)



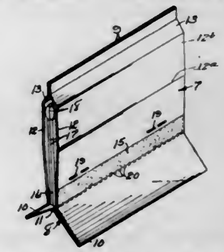
18. In an aerial display, a flexible frame, means to connect the same to an aircraft, a display supporting structure secured at its leading end to said frame, the remaining portion of said supporting structure being slidably held on the frame member, and means to limit the sliding of said portion of the supporting structure toward the trailing end of the tow line.

26. In an aerial display, the combination with a sign extended from an aircraft on a tow line, of a pair of aerodynamic resistance members secured to and spaced behind the trailing end of the sign near the upper and lower edges of the sign, said resistance members being movable independently of each other, and means to connect the tow line to the leading end of the sign so that the end of the tow line adjacent the sign is between the lines of the upper and lower edges of the sign.

2,153,925
SAFETY MATCH BOOK

Otto V. Johnson, Minneapolis, Minn.

Application August 9, 1937, Serial No. 158,180
3 Claims. (Cl. 206—29)



1. In a match book structure, an elongated pliable body fashioned with a folded section between the ends thereof and provided with spaced sides having inner opposed faces, the ends of said body having inwardly and upwardly extending offset portions, and a match card formed with matches and secured between said sides and coacting therewith to maintain said sides in spaced relation adjacent said offset portions, said sides bent between said ends and folded section for urging said offset portions together whereby said inner faces of said sides abut each other above the heads of said matches to enclose and protect the latter from accidental ignition.

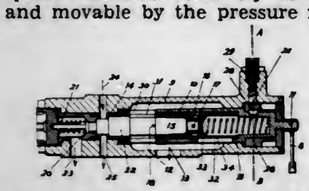
2,153,926
CONTROL VALVE FOR HYDRAULIC CHANGE-SPEED DEVICES

Adolphe Kégresse, Paris, France

Application May 27, 1937, Serial No. 145,142
In France June 10, 1936
8 Claims. (Cl. 277—7)

1. A pressure control valve for hydraulic change speed gears, comprising a casing having an inlet, a delivery passage to the change speed gear, and a by-pass outlet for the hydraulic medium; a ported sleeve valve in said casing controlling the by-pass outlet, said sleeve being rotatable manually to a plurality of operating posi-

tions; a fixed ported sleeve valve cooperating with the ports of the rotatable sleeve valve; and a ported piston slidable relatively to the sleeve valves and movable by the pressure medium to



connect said inlet to ports of the sleeve valves communicating with said by-pass outlet and presenting passages of different area to the flow through the by-pass outlet according to the position of the rotatable sleeve.

2,153,927

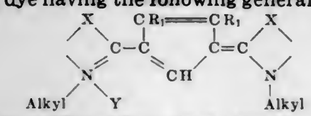
CYANINE DYES AND A PROCESS FOR PREPARING THEM

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

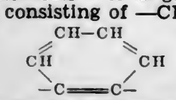
No Drawing. Application December 21, 1934, Serial No. 758,647. In Great Britain December 23, 1933

11 Claims. (Cl. 260—240)

11. A dye having the following general formula:



in which $-CR_1=CR_2-$ is a grouping selected from the class consisting of $-CH=CH-$ and



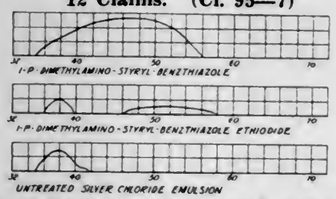
Y is an acid radical and X represents the atoms necessary to complete a heterocyclic radical of the type used in the production of cyanine dyes.

2,153,928

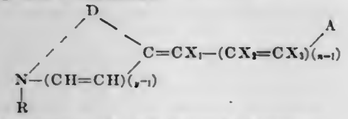
SENSITIZED PHOTOGRAPHIC EMULSIONS

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, Essex, England, a British company

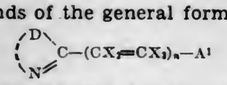
Application May 1, 1936, Serial No. 77,441
In Great Britain May 8, 1935
12 Claims. (Cl. 95—7)



4. A photographic silver halide emulsion containing in sensitizing amounts a compound selected from the group consisting of compounds of the general formula:



and compounds of the general formula:



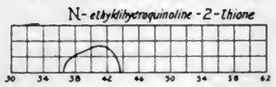
wherein D represents the atoms necessary to complete a heterocyclic nitrogen molecule; R represents a hydrocarbon radical; A is a radical selected from the group consisting of heterocyclic nitrogen bases linked to the open chain in a position of the group consisting of α and γ to the ring nitrogen atom; A' is an aminoaryl radical, n is a positive integer and the X's are members of the group consisting of hydrogen, alkyl, aryl, aralkyl and halogen groups, and Y is a positive integer less than 3; having a conjugated chain with an odd number of carbon atoms between the two nitrogen atoms.

2,153,929

MODIFYING THE SENSITIVITY OF PHOTOGRAPHIC EMULSIONS

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

Application May 25, 1936, Serial No. 81,782
In Great Britain May 30, 1935
15 Claims. (Cl. 95—7)



4. A photographic silver halide emulsion containing in sensitizing amounts a mononuclear heterocyclic mono-nitrogen compound selected from the group consisting of α thiones and selenones of the N-hydrocarbon substituted thiazoles, benzthiazoles, naphthathiazoles, thiazolines, oxazoles, benzoxazoles, naphthaoxazoles, oxazolines, selenazoles, benzselenazoles, naphthaselenazoles, selenazolines, indolenines, pyridines, quinolines, and γ thions and selenones of N-hydrocarbon substituted pyridines, quinolines and naphthaquinolines.

2,153,930

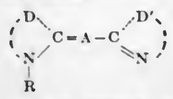
SENSITIZED PHOTOGRAPHIC EMULSION

John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, Essex, England, a British company

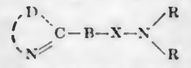
Application January 15, 1937, Serial No. 120,739
In Great Britain May 8, 1935
10 Claims. (Cl. 95—7)



1. A photographic silver halide emulsion containing in sensitizing amounts an organic binuclear nitrogenous base compound in which all nitrogen atoms are trivalent, and separated from each other by an odd number of carbon atoms, selected from the group consisting of compounds of the general formula:



and compounds of the general formula:



wherein D and D' represent the atoms necessary to complete a heterocyclic nitrogen nucleus taken from the group consisting of 5-member and 6-member heterocyclic nitrogen ring nuclei of the type contained in cyanine dyes, the R's represent a member of the group consisting of hydrogen and

lower alkyl, A is a trivalent bridging radical selected from the group consisting of

$=N-CH=N-$, $=CH-CH=N-$, and $=N-$,

B represents a bivalent bridging radical of the formula $-N=CH-$, and X represents a phenylene radical.

2,153,931

PRODUCTION OF PHOTOGRAPHIC SENSITIZING COMPOUNDS

Mark Barent and John David Kendall, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company

No Drawing. Application March 31, 1937, Serial No. 134,182. In Great Britain April 6, 1936
2 Claims. (Cl. 260—240)

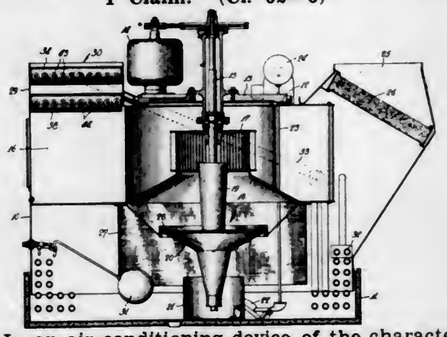
1. A process for the preparation of bases corresponding to the cyanine and carbocyanine dyestuffs comprising heating in the presence of an acid binding substance a quinoline base containing a reactive methyl group in a position of the group consisting of α and γ positions to the nitrogen atom, with an alkyl quaternary salt of a heterocyclic nitrogen compound selected from the group consisting of alkyl quaternary salts, having one of the following groups, aminovinyl, acylaminovinyl, arylaminovinyl and acylarylaminovinyl groups substituted in the α position to the nitrogen atom and alkyl quaternary salts of heterocyclic nitrogen bases containing a pyridine ring and having one of the following groups, aminovinyl, acylaminovinyl, arylaminovinyl, and acylarylaminovinyl groups substituted in the γ position to the nitrogen atom.

2,153,932

AIR CONDITIONING APPARATUS

Edward S. Lea, Morrisville, Pa., assignor to George Von Seebeck, trustee, New York, N. Y.

Application August 27, 1936, Serial No. 98,113
1 Claim. (Cl. 62—6)



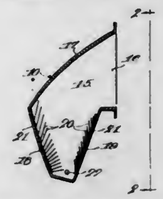
In an air conditioning device of the character in which air to be conditioned is subjected to a refrigerated water spray, a cooling system including a heat exchanger for cooling the spray water, a second heat exchanger in series with said first heat exchanger and arranged to receive refrigerant therefrom, said second heat exchanger having an evaporator portion and a superheater portion and means directly responsive to the temperature of the refrigerant flowing from said evaporator portion for controlling the flow of refrigerant to said first heat exchanger, and means for circulating the spray cooled air first in heat exchange relation with said superheater portion and then in heat exchange relation with said evaporator portion, whereby to superheat the refrigerant flowing from said second heat exchanger and to additionally cool the air.

2,153,933

SOUND FINDER

Rudi W. Mandl, New York, N. Y.

Application October 6, 1937, Serial No. 167,637
4 Claims. (Cl. 181—26)



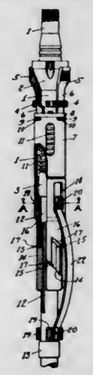
4. A sound finder box having a plane top wall, a plane bottom wall parallel to said top wall, a sound reflecting side wall at right angles to said top and bottom following through a distance substantially longer than the distance between said top and bottom the contour of an elliptic arc connecting a first point spaced from the apex of the generating ellipse with a second point spaced farther from said apex and being inclined at one of its points under 45 degrees towards the principal axes of said ellipse, plane sound absorbing walls at right angles to said top and bottom following three straight lines connecting the foci of said ellipse with the ends of said elliptic arc, the box being open along a fourth line of said kind, and a sound sensitive receiver within the box adjacent the focus of said ellipse; whereby sound produced at the external focus of the ellipse is selected and concentrated at the receiver.

2,153,934

TUBING CATCHER AND POSITIVE ACTUATING MECHANISM THEREFOR

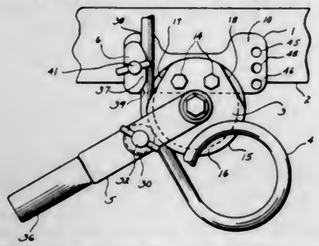
William H. McKissick, Tulsa, Okla.

Application June 15, 1935, Serial No. 26,884
6 Claims. (Cl. 103—219)



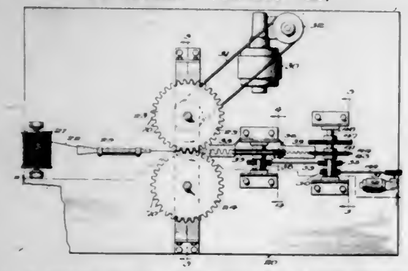
1. In combination, a tubing catcher including a mandrel formed with a spreader and a cam follower, slips cooperating with said spreader, a tubular plunger on said mandrel operatively associated with said slips and having a cam cooperating with said cam follower for shifting said plunger and slips upon rotation of said mandrel, said plunger being partially spaced from said mandrel to form a chamber therebetween, a yoke member enclosed in said chamber and having a splined connection with said plunger to permit relative axial movement therebetween, and means for securing said yoke against rotary movement during actuation of said slips by rotation of said mandrel.

2,153,935
TUBE BENDER
Frank Neukirch, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill.
Application September 3, 1936, Serial No. 99,248
6 Claims. (Cl. 153—45)



5. A bender for tubing comprising a frame, means on the frame for forming a curve in the tubing, a bending lever cooperable with said means including a pair of mutually separable arms independently swiveled with respect to said means, an ironing element, and means for holding the ironing element adapted to releasably pin said arms together in a position for ironing the tube into the forming means, said arms and said ironing element being adapted when separated to release said tubing after a bending operation is complete, and retaining means for holding a portion of the tube in position with respect to said forming means while an adjacent portion is bent about said forming means.

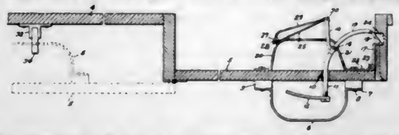
2,153,936
MACHINE FOR CONTINUOUSLY FORMING CURVED WIRE FORMS
Wilton A. Owens, Pittsburgh, and Earl A. Otto, New Kensington, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 21, 1938, Serial No. 209,320
17 Claims. (Cl. 140—82)



1. A machine for continuously forming curved wire forms, comprising means for moving the wire in the machine, means for curving the wire into a zigzag curve, means for engaging the moving curved wire and bending the wire about an axis parallel to the direction of movement of the wire, and means for cutting off segments of the bent curved wire to form curved wire forms.

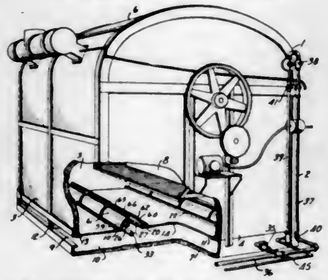
2,153,937
LATCH
Robert F. Peterson, Rush City, Minn., assignor of one-half to L. F. Buck, Rush City, Minn.
Application February 8, 1938, Serial No. 189,439
1 Claim. (Cl. 292—127)

In a latch of the character described, a frame structure adapted to be mounted on a closure, a latch member hinged at one end thereof to the frame, a latch rod adapted to move laterally relative to the frame through an opening in the closure and provided at one end with a handle, said latch rod at the end thereof remote from said handle being pivoted to said bolt, a link pivoted at one end thereof to said bolt and latch rod at the pivotal connection between said bolt and latch rod, a second link pivoted at one end thereof to



said frame and at an opposite end thereof pivoted to the first-mentioned link, and a spring device bearing at one end thereof on said frame at the point of pivotal connection between the frame and the second-mentioned link, said spring at the opposite end thereof engaging the pivotal connection between the first and second-mentioned links and acting thereon in a manner to normally urge the bolt, resiliently, in one direction, relative to the frame.

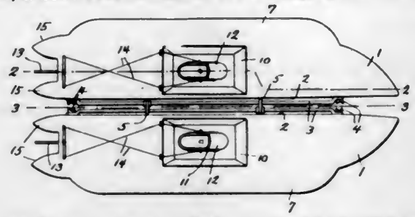
2,153,938
GAS BURNER
Paul N. Reed, Kansas City, Mo., assignor, by mesne assignments, of one-half to said Paul N. Reed and one-half to Phil B. Pursell, both of Kansas City, Mo.
Application April 1, 1936, Serial No. 72,087
3 Claims. (Cl. 158—104)



1. A gas burner including an air duct having an opening in the top thereof provided with seats extending along opposite side edges of the opening and having an air inlet, spaced gas conduits substantially coextensive with said seats, jet tubes carried by said conduits and having axial outlet openings and laterally opening primary air inlet ports, means supplying gas to said conduits, and air directing members having sides supported on said seats and curving upwardly and inwardly over the primary air inlet ports of the jet tubes to form a Venturi-like passageway in covering relation with said jet tubes whereby air drawn through said duct and through the passageway supplies primary air to the inlet ports and secondary air above said jet tubes incidental to the burning action of the gas emitted from said jet tubes.

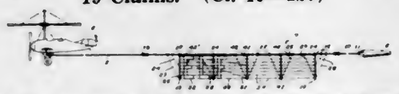
2,153,939
WATER SKI
Ralph Hill Schaupp, La Fayette, Ind.
Application August 10, 1937, Serial No. 158,407
1 Claim. (Cl. 9—1)

A water ski comprising an elongated, buoyant body having a well therein at an intermediate point, a substantially U-shaped metallic support mounted for rotation in a horizontal plane in the well, a foot rest mounted for swinging movement



on said support, a rudder mounted on the rear end portion of the body, and means operatively connecting said rudder to the support for actuation thereby when said support is rotated in the well.

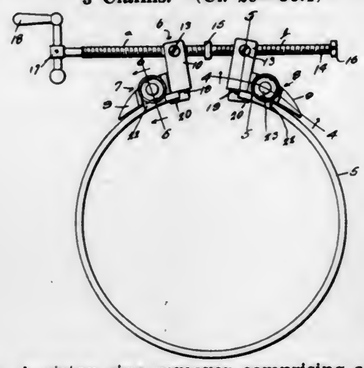
2,153,940
AERIAL DISPLAY
Norbert N. Shorb, San Francisco, Calif., assignor, by mesne assignments, to Ralph H. Brandt, Los Angeles, Calif.
Application June 15, 1932, Serial No. 617,391
19 Claims. (Cl. 40—127)



10. In an aerial display apparatus, a tow line connected to an aircraft, a display connected to the tow line, a stay extended from the leading end of the display to the tow line, means to slidably connect said stay to the tow line, and means to limit the rearward sliding of said connecting means and said stay relatively to the tow line.

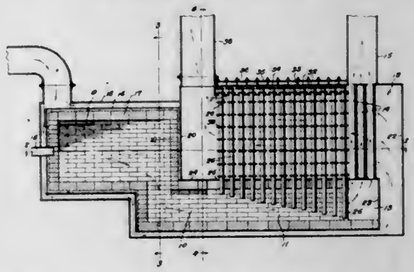
18. The combination with an airplane or other type of air vessel, of a body designed to be trailed from the air vessel, a cable for coupling one side of the body with the air vesel, a universal joint connection between the cable and the said body, means for coupling the other end of the cable with the air vessel, a universal joint connection at the other side of the body, and a hollow tubular stabilizing element connected with the second mentioned universal joint connection.

2,153,941
PISTON RING REMOVER
Frank A. Smith, Hialeah, Fla.; Edna M. Smith, administratrix of said Frank A. Smith, deceased, assignor to Edna M. Smith
Application July 15, 1937, Serial No. 153,818
3 Claims. (Cl. 29—86.4)



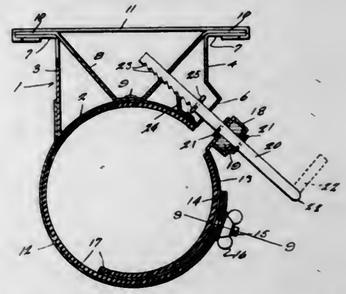
1. A piston ring remover comprising a pair of ring end engaging bodies, a screw shaft for contacting and separating the said bodies, pivotal means supporting the screw shaft on each of the bodies, hook means on the said bodies for engaging the ends of a piston ring, and clamp means on the said bodies comprising a pair of slidably mounted clamping plates for engaging the opposite edge portions of the ring and means for oppositely actuating the plates into and out of clamping position.

2,153,942
HEAT EXCHANGING APPARATUS
Jack J. Spalding, Jr., New York, N. Y.
Application February 3, 1937, Serial No. 123,901
6 Claims. (Cl. 257—1)



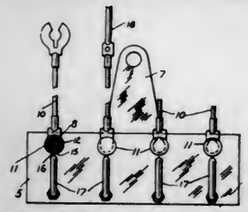
2. In heat exchanging apparatus, a housing comprising a primary heat transfer chamber and an air conducting chamber separated therefrom, a plurality of heat transfer units extending across the air conducting chamber and into the heat transfer chamber, and means controlled by the temperature in one of said units for preventing excessive rise in temperature of said units due to the absence of cooling fluid in said air chamber.

2,153,943
JAR HOLDER
Peter Stellingwerf, Orange City, Iowa
Application June 18, 1938, Serial No. 214,543
3 Claims. (Cl. 81—3.2)



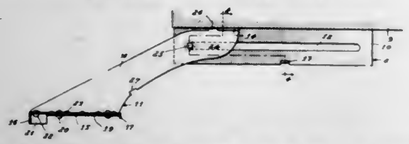
1. A jar holder comprising a supporting bracket adapted to be mounted on a support and including a stationary jaw, a flexible jaw having one end connected to said stationary jaw and cooperable therewith for gripping a jar, a rod rotatably connected to the free end portion of the flexible jaw and extending rotatably and slidably into the bracket, and coacting means on said rod and said bracket for releasably securing the flexible jaw in gripping position, said means including ratchet teeth on the rod, and a pawl on the bracket engageable with said teeth.

2,153,944
DEVICE FOR TESTING SPARK PLUGS AND IGNITION CIRCUITS
James Tawyer, Lisarow, Australia
Application April 21, 1937, Serial No. 138,256
In Australia April 22, 1936
3 Claims. (Cl. 175—183)



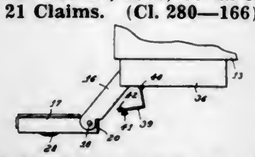
1. An improved device for testing spark plugs comprising a metallic bracket adapted to be attached to the engine head of a motor, a base of non-conducting material mounted on said bracket, a threaded metallic rod mounted in said non-conducting base and having a portion of its length exposed, said rod being electrically connected to a point between the spark plug and its source of current, a metallic bushing mounted on the exposed portion of said rod, a cap member rotatably mounted on said bushing, a finger member extending through said non-conducting base and attached to the metallic bracket, one end of said finger member being adjacent the insulating cap, an opening in said insulating cap adapted to be brought opposite the finger member so that a spark gap is formed between the finger member and the bushing, and a coiled spring about said rod between the insulating cap and the non-conducting base.

2,153,945
TRAILER STEP
W. Vincent Thelander, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a co-partnership composed of Seth B. Atwood and James T. Atwood
Application December 14, 1936, Serial No. 115,751
10 Claims. (Cl. 280—166)



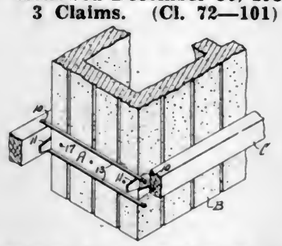
1. A shiftable step comprising a pair of upright guiding and supporting brackets, each having a longitudinally extending, substantially horizontal guideway provided thereon, a step comprising a tread and opposed supporting arms on the ends thereof, pivots on the upper ends of the arms slidably supported in said guideways, said pivots providing part of the support for the step in its extended operative position at the front end of the guideways and also providing part of the support for the step in its retracted inoperative position, said pivots in the latter position of the step being disposed in the rear ends of said guideways, one or more projections on the front ends of said brackets for engagement with the upper ends of said arms to support the step rigidly in extended operative position, one or more other projections on said brackets downwardly spaced relative to the first-mentioned projections for engagement with said arms to support the step in retracted inoperative position, and one or more lugs on the upper end of said arms arranged to engage the first-mentioned projections on the brackets, whereby to releasably lock the step in extended operative position.

2,153,946
FOLDABLE STEP
Gilbert Linstead and Charles R. Polstra, Rockford, Ill., assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a co-partnership composed of Seth B. Atwood and James T. Atwood
Application June 18, 1937, Serial No. 148,884
21 Claims. (Cl. 280—166)



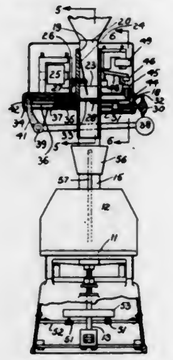
1. A shiftable step comprising a pair of upright guiding and supporting brackets, each having a longitudinally extending, substantially horizontal guideway provided thereon, a step comprising a tread and opposed supporting arms on the ends thereof, a single pivot for the upper end of each of the arms each slidably supported in one of said guideways, said pivots being spaced from the upper ends of said arms and, besides permitting swinging movement of the arms and step bodily to and from substantially horizontal retracted position between the aforesaid brackets, providing part of the support for the step in its extended operative position at the front end of the guideways and also providing part of the support for the step in its retractive inoperative position, said pivots in the latter position of the step being disposed in the rear ends of said guideways, one or more projections on the front ends of said brackets for engagement with the upper ends of said arms serving by cooperation with the arms and the aforesaid pivots to provide two spaced points of support for each arm to support the step rigidly in operative position, and one or more other projections on said brackets downwardly spaced relative to the first-mentioned projections for engagement with the bottoms of said arms to serve by cooperation with the arms and the aforesaid pivots to provide two spaced points of support for each arm to support the step in retractive inoperative position.

2,153,947
FASTENER FOR GROUND WORK
William S. Thompson, Lebanon, Ohio
Application March 30, 1936, Serial No. 71,791
Renewed December 30, 1938
3 Claims. (Cl. 72—101)



3. A fastener for ground work comprising a plate-like section having side flanges disposed at substantially right angles thereto, and outwardly diverging extensions on said flanges and having spur tips with their points disposed substantially in longitudinal alignment with said flanges, whereby when the spur tips are driven home in the ground work the extensions will be coextensive with said flanges.

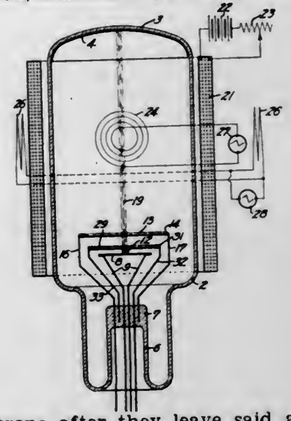
2,153,948
WEIGHING MACHINE
Frank Tidswell, Goulburn, New South Wales, Australia
Application September 8, 1936, Serial No. 99,831
In Australia September 13, 1935
4 Claims. (Cl. 249—63)



1. A weighing machine comprising a suitable frame supporting a supply container, a scale adapted to carry a receiving receptacle to be filled with the material being weighed, a supply passage from said supply container to a point of discharge adjacent said receiving receptacle, means in said supply passage for dividing the flowing stream of material into two individual streams, means in said passage for adjusting the area thereof, gate devices for controlling each individual flow stream and for cutting same off as the desired measure by weight is reached, one said gate device being adapted to close in advance of the other, means for opening the said gate devices for starting the flow of material, electro-magnetic devices for retaining said gate devices open and for releasing same to close, electrical contact devices adapted by the tipping of the scale device to operate said electro-magnetic devices for closure of said gate devices one in advance of the other, as and for the purposes herein set forth.

2,153,949
CATHODE RAY OSCILLOSCOPE
Russell H. Varian, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application March 13, 1935, Serial No. 10,888
4 Claims. (Cl. 250—157)

1. A cathode ray tube comprising an envelope containing a cathode support member capable of being heated and having a substantially flat surface of substantially non-electron emitting material, an area of thermionic electron emitting material deposited on said flat surface and heatable thereby to electron emitting temperature, said area being of elemental dimensions, a planar accelerating screen having multiple apertures therein positioned parallel with and close to said flat surface, and having an area substantially larger than the area of said emitting material, a fluorescent screen of picture size in the path of electrons passing through said accelerating screen, a magnetic solenoid surrounding the entire path between said emitting material and said fluorescent screen, and scanning means positioned to act



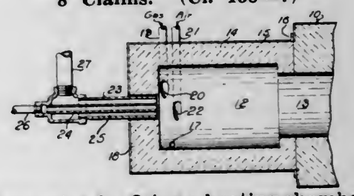
on electrons after they leave said accelerating screen and before they arrive at said fluorescent screen.

2,153,950
KNOB ATTACHING DEVICE
Ingle B. Whinery, East Grand Rapids, Mich., assignor to Waddell Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application July 19, 1937, Serial No. 154,517
9 Claims. (Cl. 287—53)



1. A device for attaching a cylindrical shaft having a flat surface formed on the end thereof within an opening in a knob, comprising a cylindrical member adapted to be received within the knob opening and adapted to receive and engage the cylindrical portion of the end of the shaft, and a separate flat member disposed within said cylindrical member and being adapted to engage the flat surface of the end of the shaft to thereby attach the shaft within the knob opening, said flat member having a raised portion formed thereon and adapted to engage the flat surface formed on the end of the shaft to thereby cause a tighter frictional engagement between the flat member and the shaft.

2,153,951
BURNER FOR FURNACES
Hugh B. Barber, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application July 31, 1937, Serial No. 156,677
Renewed November 25, 1938
8 Claims. (Cl. 158—7)



1. Apparatus for firing a heating chamber comprising, in combination, a tubular body which at

one end communicates with said chamber and which at its other end is closed by a wall having an opening centrally of said body, a burner positioned in said opening for firing into said chamber through said body, a premix burner positioned to discharge tangentially into said body, and means for discharging a stream of fuel gas into said body in the same circular direction as the flow of gases from the said premix burner.

2,153,952

ANTIFREEZE CORROSION INHIBITOR

Alfred L. Bayes, Buffalo, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 6, 1937, Serial No. 157,730

10 Claims. (Cl. 252—5)

2. A non-corrosive anti-freeze liquid comprising an alcohol and an inhibitor containing as the essential corrosion preventive for aluminum an alkali metal nitrate in an amount of about 0.01% to 1.0% by weight of the alcohol.

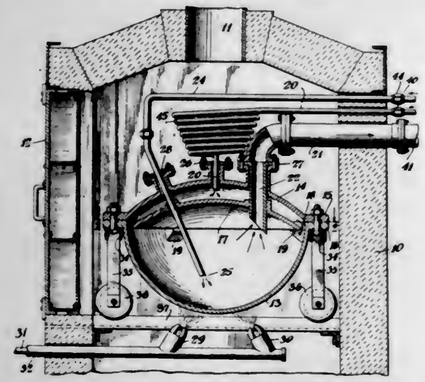
2,153,953

VAPORIZATION OF PHOSPHORUS

George W. Burke, Westfield, N. J., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware

Application August 25, 1936, Serial No. 97,758

6 Claims. (Cl. 23—223)



1. A method of vaporizing phosphorus, comprising continuously flowing a thin layer of molten phosphorus on a heated surface in a vaporizing chamber, vaporizing said phosphorus from said flowing layer in a non-oxidizing atmosphere at a rate sufficient to prevent accumulation of phosphorus as a pool in said vessel, and removing the phosphorus vapors.

2,153,954

PLASTICIZATION OF RUBBER HYDROHALIDE

William C. Calvert, Chicago, Ill., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 23, 1936, Serial No. 102,223

4 Claims. (Cl. 260—111)

1. A plasticized rubber hydrochloride pellicle of a thickness of about one to two thousandths of an inch which comprises plasticizer of such a character and in such an amount as to increase the durability and tear resistance of the pellicle to a degree desirable in the manufacture of garments such as rain coats.

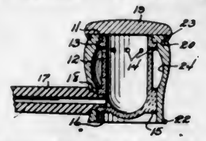
2,153,955

PIPE

Henry O. Choquette, Three Rivers, Quebec, Canada

Application November 16, 1937, Serial No. 174,874

4 Claims. (Cl. 131—196)



1. A pipe comprising a sleeve fully open at the top and at the bottom, an inner annular shoulder projecting from the upper edge of the sleeve, a bowl provided near its upper end with an annular flange bearing against the underside of said shoulder, there being a plurality of openings in the bowl below said flange, the bowl being closed at the bottom and having its top substantially flush with the top of the sleeve, a stem projecting through the sleeve and entering the bowl near the bottom thereof, and a cover interchangeably received on the bottom of the sleeve and on the top of the sleeve and bowl.

2,153,956

AGE RESISTOR

Albert M. Clifford, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 5, 1933, Serial No. 669,562

18 Claims. (Cl. 18—50)

1. A method of treating vulcanizable rubber compounds which comprises subjecting them to vulcanization in the presence of anilino phenyl imino naphthoquinone.

2,153,957

JUMPING TOY

Jerome Davis, West Haven, Conn., assignor of one-half to Nathaniel L. Foster, Montclair, N. J.

Application February 23, 1938, Serial No. 192,016

3 Claims. (Cl. 46—1)



1. A toy device consisting of an approximately hemispherical rubber body having a wall which will return to its molded equilibrium when turned inside out and placed rim down on a flat surface, said return to molded equilibrium taking place at first slowly and then at an increasing rate until the diameter of the deformed portion is so reduced that the remaining deformed portion suddenly snaps completely into molded equilibrium.

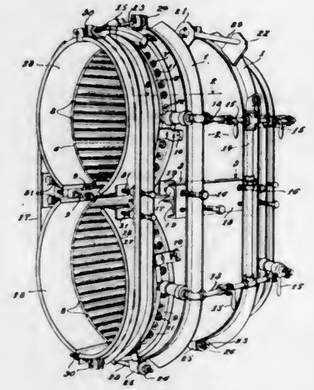
2,153,958

ROLL HEATER

Elmer B. Dunkak, Baltimore, Md., assignor to The C. M. Kemp Manufacturing Company, a corporation of Maryland

Application March 23, 1937, Serial No. 132,504

12 Claims. (Cl. 80—41)



1. A roll heater, comprising a supporting frame to substantially surround a roll, a plurality of longitudinally closed tubular heating elements mounted in said frame to extend longitudinally of the roll, each said element having a passage therethrough and being provided with an inlet and a vent, a burner at each inlet to project ignitable fluid fuel into said heating element the fuel being combusted within the passage of said element and means facing the roll and said elements to direct the heat from the elements upon the roll.

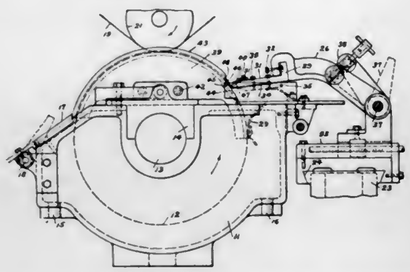
2,153,959

PRINTING MACHINE

Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application August 3, 1937, Serial No. 157,131

8 Claims. (Cl. 101—157)



1. In a rotary intaglio printing machine, a doctor blade adapted to reciprocate longitudinally along and in contact with the peripheral surface of a printing cylinder, a flange extending over each end of the cylinder and terminating at a point spaced from the blade edge in contact with the cylinder, and an ink guard supported at each end of the blade, extending from the blade to the flange in contact with the peripheral surface of the printing cylinder therebetween, and reciprocating with the blade.

2,153,960

PURIFICATION OF ARYL AMINES

Russell L. Jenkins, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application October 18, 1934, Serial No. 748,896

10 Claims. (Cl. 260—582)

1. The process of separating an arylamine that is substantially insoluble in water and has a melting point above that of water from an aqueous solution containing dissolved impurities, consisting in dispersing the arylamine in the aqueous solution at a temperature above the melting point of the arylamine, thereafter cooling the dispersion sufficiently to solidify the arylamine in congealed spheres while maintaining the aqueous phase in the liquid state, and finally separating the solidified arylamine spheres from the aqueous solution containing the dissolved impurities.

2,153,961

NONCORROSIVE ALCOHOL ANTIFREEZE LIQUID

Headlee Lamprey, Kenmore, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application August 6, 1937, Serial No. 157,732

11 Claims. (Cl. 252—5)

1. A noncorrosive antifreeze liquid comprising an alcohol as the freezing point depressant and an inhibitor containing as the essential corrosion preventive a soluble chlorate salt in an amount of about 0.10% to 1.00% by weight of the alcohol.

6. A noncorrosive antifreeze liquid comprising methanol and an inhibitor mixture consisting of sodium chlorate and sodium nitrite.

2,153,962

RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER

Werner M. Lauter, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application July 13, 1933, Serial No. 680,258

13 Claims. (Cl. 18—50)

1. A method of preserving rubber which comprises treating the same with the composite product resulting from the simultaneous interaction of an aromatic amine containing not less than one and not more than two amino hydrogen atoms, a hydrocarbon carbonyl compound in which one substituent of the carbonyl group contains a hydrocarbon structure and the other substituent is hydrogen or contains a hydrocarbon structure, and formic acid, the formic acid being present in an amount equal to approximately one mol of the acid to each unsubstituted hydrogen atom in the amino group, said composite reaction product having antioxidant properties.

2,153,963

MANUFACTURE OF ELASTIC PRODUCTS WITH A TEXTILE BASIS

Léon Sylvain Max Lejeune, Paris, and Emile Jean Albert Lejeune, Lille, France, assignors, by mesne assignments, to Hevaloid Corporation, Dover, Del., a corporation of Delaware

No Drawing. Application September 2, 1936, Serial No. 99,149. In France April 5, 1933

22 Claims. (Cl. 28—1)

1. Process for the manufacture of elastic textile products, which comprises twisting each of a

plurality of rovings in the same direction, bringing together the twisted units, twisting the assembled units in the direction opposite to that in which the individual units were twisted until an appreciably opened linear element is obtained, and treating without substantial tension the linear element so formed with a contracting and swelling agent.

2,153,964
MANUFACTURE OF ELASTIC FABRIC
Léon Sylvain Max Lejeune, Paris, France, assignor, by mesne assignments, to Hevaloid Corporation, Dover, Del., a corporation of Delaware
Application September 2, 1936, Serial No. 99,150. In France, Great Britain, Ireland, and Mexico July 20, 1933
24 Claims. (Cl. 28—1)



1. A process for the manufacture of elastic fabric comprising the steps of forming linear textile elements very open throughout to penetration by liquids and substantially without reciprocal compression between the constituent fibres, weaving said elements into a fabric having meshes of such dimensions that when treated with a strong contracting and swelling agent a close mesh fabric is formed without however transversely compressing said linear elements appreciably, and then treating said fabric with a suitable contracting and swelling agent.

2,153,965
MANUFACTURE OF PNEUMATIC TIRES
Léon Sylvain Max Lejeune, Paris, France, assignor, by mesne assignments, to Hevaloid Corporation, Dover, Del., a corporation of Delaware
Application September 2, 1936, Serial No. 99,151
In France July 13, 1934
20 Claims. (Cl. 154—14)



5. A carcass for the cover of a pneumatic tire comprising a fabric ring formed of linear elements composed of rovings to which have been given individually a supplementary torsion in one direction and assembled by being twisted in the opposite direction approximately the same number of turns as the total torsion in the first direction, said fabric being contracted and swollen and being permeated and impregnated throughout with rubber.

9. Process for the manufacture of the carcasses of covers for pneumatic tires which comprises weaving into a tubular loose-mesh fabric linear elements composed of rovings to which have been given individually a supplementary torsion in one direction and which have been then assembled by being twisted in the opposite direction approximately the same number of turns as the total torsion in the first direction, treating the so made tubular fabric without tension by means of a bath formed of a contracting and swelling agent and added with a wetting agent, subjecting the fabric to a boiling treatment, to washing and drying, and impregnating the so treated tubular fabric with elastic material.

2,153,966
MANUFACTURE OF POWER TRANSMISSION BELTS
Léon Sylvain Max Lejeune, Paris, France, assignor, by mesne assignments, to Hevaloid Corporation, Dover, Del., a corporation of Delaware
Application September 2, 1936, Serial No. 99,152
In France November 25, 1933
11 Claims. (Cl. 154—4)



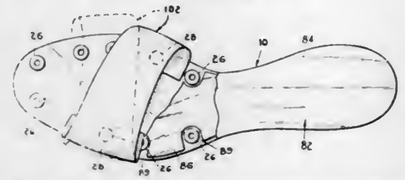
1. Process for the manufacture of endless and unjointed belts which consists in loosely weaving in the form of a tube of fabric very open linear elements composed of rovings individually supertwisted in the same direction and assembled by being twisted together in the opposite direction approximately the same number of turns as those of the individual twistings, treating the tubular fabric thus formed while not under substantial tension with a strong contracting and swelling agent, impregnating the same with a vulcanizable material, vulcanizing the same, and cutting the vulcanized tubular fabric into rings of width equal to the desired width of the belts to be obtained.

8. A power-transmission belt comprising an endless and unjointed fabric composed of a plurality of rovings individually supertwisted in the same direction and assembled by being twisted together in the opposite direction to form linear elements, the reverse twisting comprising approximately the same number of turns as the individual twistings so that the said linear elements are equilibrized, said fabric being embedded in a mass of elastic material which fills the interstices thereof and of said linear elements, binding their fibres together into a dense coherent mass.

2,153,967
MANUFACTURE OF WEB CORD
Léon Sylvain Max Lejeune, Paris, and Emile Jean Albert Lejeune, Lille, France, assignors, by mesne assignments, to Hevaloid Corporation, Dover Del., a corporation of Delaware
No Drawing. Application September 2, 1936, Serial No. 99,148. In France and Great Britain April 5, 1933
5 Claims. (Cl. 28—1)

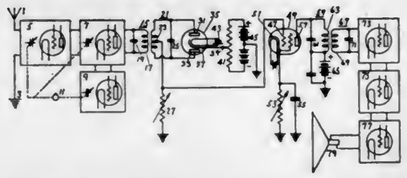
1. A process for the manufacture of web cord which comprises forming linear elements each composed of a plurality of rovings individually supertwisted for a certain number of turns in one direction and assembled by being twisted together in the opposite direction for approximately the same number of turns, treating the so formed linear elements without substantial tension with a bath formed of a strong contracting and swelling agent, placing the treated elements substantially parallel to one another, in the form of a lap of web cord and impregnating with elastic material the treated lap of web cord.

2,153,968
SHOE CONSTRUCTION
Jennie Loufbahn, New York, N. Y., assignor of ten one-hundredths to Jacob T. Basseches, New York, N. Y.
Application July 1, 1938, Serial No. 216,933
5 Claims. (Cl. 36—11.5)



1. A shoe of the class described comprising a shoe bottom having an outsole and a heel, said outsole having a plurality of separable fastener elements secured thereto in spaced relation to each other in the upper marginal edge portion of the outsole at both sides of the shoe longitudinally thereof, and an upper comprising a relatively narrow strap extending transversely of the shoe bottom and having its opposite ends provided with separable fastener elements releasably engageable with said first mentioned fastener elements for detachably securing the strap to said outsole, said plurality of first mentioned fastener elements being arranged at each side of the shoe to permit the selective engagement with one of said elements of the fastener element of the adjacent end of said strap for adjusting the positions of the ends of strap longitudinally of the shoe bottom.

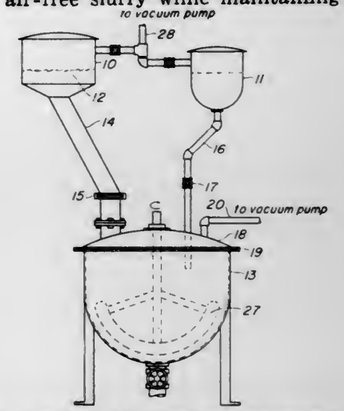
2,153,969
RADIO SYSTEM
Brunson S. McCutchen, Princeton Township, Mercer County, N. J., and Charles B. Aiken, West Lafayette, Ind., assignors to Alan N. Mann, trustee, Scarsdale, N. Y.
Application June 3, 1936, Serial No. 83,282
13 Claims. (Cl. 250—20)



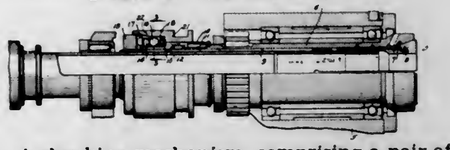
9. The method of transferring desired signal currents and attenuating currents exceeding said desired signal currents in a radio system which comprises rectifying both positive and negative phases of said currents, deriving pulsating voltages from said rectified currents, converting said pulsating voltages into radio frequency currents, and substantially blocking said radio frequency system for currents exceeding said desired signal currents.

2,153,970
VACUUM PREPARATION OF COMPOUNDS
William I. McGowan, Cambridge, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application May 29, 1935, Serial No. 24,086
5 Claims. (Cl. 134—17)

1. That method of compounding a concentrated latex with solid ingredients which comprises forming a water slurry of said ingredients, exhausting air from the slurry and then adding latex to the air-free slurry while maintaining a material reduced atmospheric pressure on said slurry and latex.

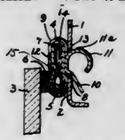


2,153,971
CHUCKING MEANS
Donald H. Montgomery, Hartford, Conn., assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application July 10, 1936, Serial No. 89,871
4 Claims. (Cl. 279—51)



1. A chucking mechanism, comprising a pair of opposed abutments, barrel rollers interposed between said abutments, said abutments having opposed relatively inclined abutment surfaces thereon, the surfaces on one of said abutments being arcuately shaped to fit the curved contour of said barrel rollers throughout substantially the length of one element thereof and having spacer means thereon to engage the ends of said barrel rollers for holding the same on said relatively curved abutment surfaces, and a sleeve member having an inclined surface for engagement with said barrel rollers for forcing the same in a direction transversely of their axes between said abutments, for the purpose described.

2,153,972
WINDOW STRIP INSTALLATION AND FASTENER FOR THE SAME
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 30, 1937, Serial No. 133,835
3 Claims. (Cl. 24—73)



2. A fastener member for holding flexible strips and the like comprising a resilient U-shaped base having two connected arms, said arms adapted

to grip the thickness of the strip between them, and a pair of integral attaching portions extending from one of said arms, one of said attaching portions being formed entirely from the material of said base and having a shouldered portion adapted for spring engagement with the wall surrounding an aperture of a supporting structure, the other of said attaching portions extending from the free end of said last-mentioned arm and being of a substantially hook shape for hooking engagement through said aperture whereby said attaching portions cooperate one with another to secure said fastener to said supporting structure.

2,153,973

LUBRICATING OILS

Raphael Rosen, Cranford, and Robert M. Thomas, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 10, 1933, Serial No. 697,470

2 Claims. (Cl. 87—9)

1. An improved oil composition resistant to deterioration at elevated temperatures of the order encountered in an internal combustion engine comprising a viscous hydrocarbon lubricating oil and less than 1% of an organic polysulfide prepared by reaction of a mercaptan with sodium plumbite and sulfur, the latter being sufficient to produce a polysulfide containing more than two sulfur atoms to the molecule.

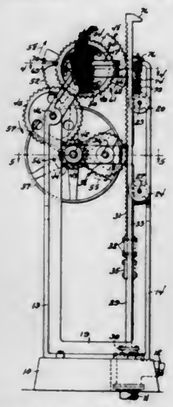
2,153,974

DOUBLE ACTING PUMP

Charles J. Schenk, Buckeye, Ariz.

Application May 12, 1937, Serial No. 142,291

3 Claims. (Cl. 74—32)



1. The combination of a single intermediate and a pair of outer mating toothed racks arranged side by side, a mutilated toothed gear alternately meshing with the intermediate and outer racks for raising the same upwardly or alternately in their order, a second mutilated toothed gear for meshing with the said racks for alternately lowering the same in their order, said racks having relatively long breaks at intervals therein between the teeth of the same, and relatively wide tooth-like latching detents swingingly connected to and straddling the last-mentioned gear, being inset in the latter for engaging in the breaks in the racks and effecting the change from the upward movement to the downward movement thereof without any shock and without danger of breaking the teeth of the said gear, each of said latching detents being eccentrically pivoted and of an extent in association with portions adjacent thereto of the gear substantially equal to the break companion thereto.

2,153,975

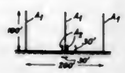
RADIO DIRECTION FINDER

Sidney Bertram Smith and Ernest Green, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware

Application February 25, 1937, Serial No. 127,622

In Great Britain March 26, 1936

7 Claims. (Cl. 250—11)



1. A radio direction finding system comprising a plurality of aerials arranged in different concentric systems and adapted to operate on different wave lengths, means for determining the electrical characteristics of the aerials of the longer wave system such that they are rendered substantially non-resonant to waves of a shorter wave length appropriate to a shorter wave aerial system, and means for preventing re-radiation of shorter wave energy from said longer wave aerial system to the detriment of said shorter wave aerial system.

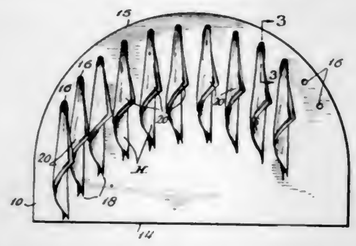
2,153,976

DISPLAY DEVICE

Lester K. Thorman, Woodmere, N. Y., assignor to Benjamin Wolf Co. Inc., New York, N. Y., a corporation of New York

Application February 3, 1938, Serial No. 188,417

3 Claims. (Cl. 206—79)



1. In combination a display card having a series of perforations disposed across the card, and a plurality of handkerchiefs suspended from said perforations and displayed on said card, said handkerchiefs being folded twice rectangularly to provide median corners joining the quarter sections of the handkerchiefs, said median corners extending rearwardly through said perforations to substantially the same extent, the handkerchiefs being thus suspended from the perforations by frictional engagement, the remainder of the handkerchiefs being displayed on the card and each having a downwardly directed corner and an intermediate flaring and bulky portion protruding from the card, each of said perforations being suitably placed laterally and displaced vertically relative its adjacent perforations so that the handkerchiefs are each distinctly separated from each other adjacent their perforations to permit the handkerchiefs to be individually grasped for removal from the card, and the intermediate flaring and bulky portions tend to overlap but are distinctly displayed by reason of the non-aligned relation of such portions.

2,153,977

CONDENSER TUBE

Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

No Drawing. Application December 24, 1936, Serial No. 117,563

5 Claims. (Cl. 138—47)

1. Wrought tubes of cold workable cupro-nickel alloy containing chromium and vanadium, and capable of forming on their surfaces exposed to the media conducted thereby a tenacious protective film the presence of which is indicated by a resistance to impingement corrosion greater than that of a tube of binary cupro-nickel of the same copper and nickel content, which alloy contains, approximately, 20 to 40% nickel, appreciable amounts up to 1% vanadium, but at least 0.15% vanadium for all amounts of nickel up to 26%, appreciable amounts up to 2% chromium, balance substantially copper.

2,153,978

CUPRO-NICKEL ALLOYS

Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland

No Drawing. Application July 13, 1938, Serial No. 218,947

4 Claims. (Cl. 75—159)

1. Hot and cold workable alloys in substantially the form of a single solid solution substantially free from segregates consisting essentially of copper, nickel, chromium and vanadium in the following proportions: nickel 26 to 40%, chromium 0.05 to 2%, vanadium 0.15 to 1%, copper balance.

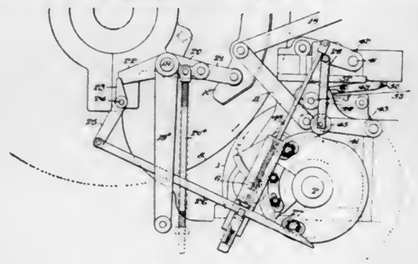
2,153,979

SHEET FEED ROTARY PRINTING PRESS

William K. Eckhard, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application November 17, 1937, Serial No. 174,927

10 Claims. (Cl. 101—233)



10. In a sheet feed rotary printing press, two sets of front sheet guide and primary detector fingers located at opposite sides of the press, a secondary detector finger located between the sets of primary detector fingers, and a tripping mechanism operated by the primary and secondary detector fingers, said tripping mechanism including a cross rock shaft and arms fixed thereon, and means for moving said primary and secondary detector fingers into the paths of said arms to limit their rocking movement.

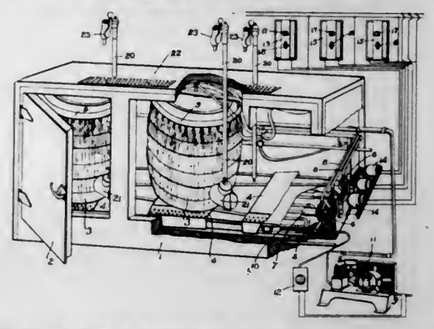
2,153,980

BREW COOLING APPARATUS

Harry A. Feldbush, Short Hills, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application May 20, 1938, Serial No. 208,999

2 Claims. (Cl. 62—7)



2. In a brew beverage cooling apparatus, in combination with a transportation container having brew beverage therein, a shower member for showering a cooling liquid over said container, means for delivering cooling liquid to said shower member, time clock means for controlling the delivery of cooling liquid to said showering member, said time clock means being adjustable whereby it may be set for allowing the showering of cooling liquid over the outside of said container for a time interval determined by the initial temperature and the desired final low dispensing temperature of the beverage and the heat conductivity of the walls of the container for bringing the beverage to said desired low dispensing temperature, said time clock means further adjustable to permit repeated showering of the cooling liquid over the container for time intervals varying from the first mentioned time interval.

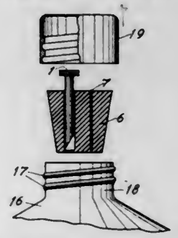
2,153,981

MEDICINAL CONTAINER

Paul G. Heineman, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

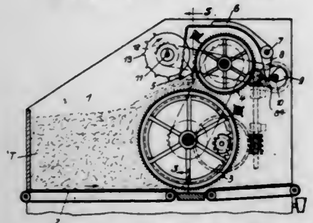
Application April 3, 1936, Serial No. 72,522

1 Claim. (Cl. 215—47)



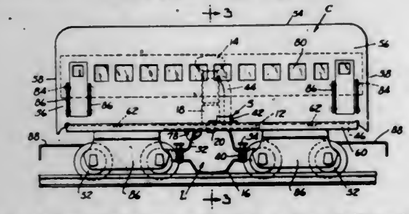
A medicinal container comprising in combination, a necked bottle and a stopper tightly sealing the same, a system of openings provided in said stopper which consists of channels traversing substantially the entire length of the stopper, and an air filter arranged in one of said channels to disinfect atmospheric air prior to entering the space of the container by operation of the system of openings, which filter comprises in combination, a hollow, sharply beveled, tube-like body, filled in its hollow space with a column of non-absorbent disinfecting cotton.

2,153,982
TOBACCO SPREADER FOR CIGARETTE-MAKING MACHINES
Paul Johannes Herrmann, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Muller & Co., Dresden, Germany
Application August 1, 1936, Serial No. 93,874
In Germany August 3, 1935
2 Claims. (Cl. 131—39)



1. In a tobacco spreader for cigarette-making machines, having toothed receiving and depositing rollers, the combination of a crusher adapted to rest on the tobacco in the bite of said rollers to compress the tobacco, a disc adjacent said crusher and having equalizer rakes entering the bite of the rollers, arranged on only a half portion of the disc, means for rotating the disc for alternately engaging and disengaging the rakes with the tobacco in the bite, means for lifting the crusher away from the tobacco, and means for operatively interconnecting the disc rotating means and the crusher lifting means to cause the crusher to be lifted away from the tobacco when the rakes engage the tobacco, and to allow the crusher to descend upon the tobacco when the disc is rotated to present the rakeless portion thereof to the tobacco.

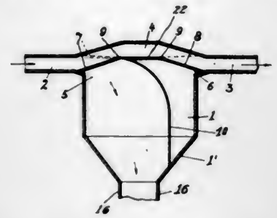
2,153,983
LIGHTED TOY RAILROAD COACH
Lester F. Kelch and Wilbur W. Kelch, Girard, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application March 17, 1937, Serial No. 131,386
7 Claims. (Cl. 240—2)



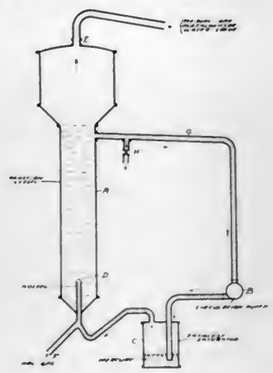
1. A toy lighting unit for a toy railroad car, said lighting unit including an insulated support plate, a lamp socket and lamp mounted on the upper side thereof, a third rail contact shoe mounted on the lower side of said support plate and supported solely by said support plate, the unit being adapted to be inserted in a hole cut in the bottom of a toy railroad car and to be secured to said toy railroad car bottom.

2,153,984
PNEUMATIC CONVEYING PIPE
Ernst Willy Leicht, Gittersee, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik J. C. Mueller & Co., Dresden, Germany
Application October 26, 1936, Serial No. 107,623
In Germany March 12, 1936
2 Claims. (Cl. 302—59)

1. In a pneumatic tobacco conveyor, a tobacco settling box having a transverse separating screen therein, an inlet pipe opening into one side of the box at its upper portion, an outlet pipe opening into the box at the opposite side of the upper portion, a connector extending between the inlet and outlet pipes across the top of the box and opening into said pipes at their connections with the box, a valve at the inlet pipe connection selectively to open the box or the connector to the inlet pipe and a baffle at the outlet pipe connection extending into the pipe for a distance to prevent tobacco flowing through the connector from entering the box through the outlet pipe opening, said connector acting as a by-pass to cut out the settling box in one of the positions of said valve.

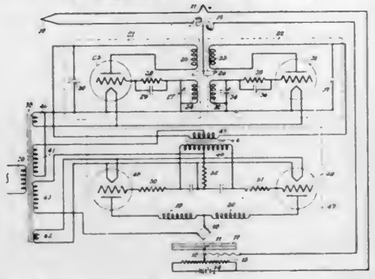


2,153,985
PRODUCTION OF ACETALDEHYDE FROM GASES CONTAINING ACETYLENE
Friedrich Lieseberg, Ludwigshafen-on-the-Rhine, and Gustav Wietzel, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application September 23, 1937, Serial No. 165,296
In Germany October 30, 1936
2 Claims. (Cl. 260—605)



1. In the production of acetaldehyde from gases containing up to 20 per cent of acetylene by means of an acid catalyst solution containing mercury compounds the step which comprises using a reaction vessel free from filler bodies and introducing the gas containing acetylene in a finely dispersed state through a nozzle into the catalytic chamber the gas and the catalytic solution being led in the same direction the catalyst solution being withdrawn from the upper part of the reaction vessel and returned after saturation with mercury compounds to the lower part of the catalytic chamber while causing the catalyst solution to circulate at such a speed that the liquid contained in the reaction vessel is changed several times per hour.

2,153,986
ELECTRONIC CONTROL SYSTEM FOR SELF-BALANCING MEASURING INSTRUMENTS
Fred B. MacLaren, Jr., Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application November 15, 1937, Serial No. 174,615
8 Claims. (Cl. 172—239)



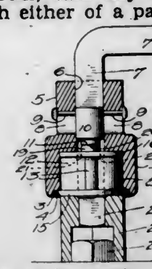
1. In a system of control and/or measurement and including a null method measuring system subject to unbalance, with electric motor means for reestablishing a balance in said system, and a sensitive member responsive to conditions of unbalance: electronic means affording an oscillatory circuit; relays means controlling operation of the said motor means, together with electrical connections between said relay means and said circuit including means for rendering said relay means responsive to variations in the oscillatory condition of said circuit; and means to change the intensity of the feed-back in said oscillatory circuit and actuated by the said sensitive member.

2,153,987
VINYL ESTERS AND A PROCESS OF PREPARING THEM
Otto Nicodemus, Heinrich Lange, and Otto Horn, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 20, 1936, Serial No. 64,932. In Germany March 1, 1935
11 Claims. (Cl. 260—485)

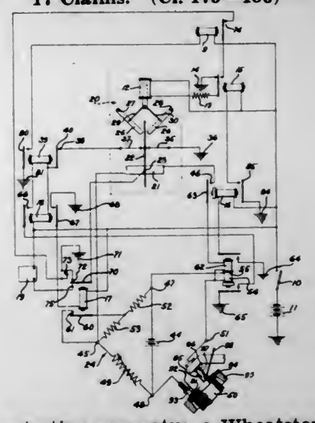
1. The process which comprises acting with acetylene upon a lower aliphatic mono-ester of a lower aliphatic dicarboxylic acid containing no hydroxyl groups in the presence of a mercury compound promoting the addition of acetylene to aliphatic monocarboxylic acids and in the presence of a catalyst of the group consisting of borontrifluoride-acetic acid, borontrifluoride, borontrifluoride-acetic acid plus hydrogen fluoride, borontrifluoride plus hydrogen fluoride, boric acid plus hydrogen fluoride and boric anhydride plus hydrogen fluoride.

2,153,988
RATCHET WRENCH
Elmer M. Padgett, Nashville, Tenn.
Application July 8, 1936, Serial No. 89,498
1 Claim. (Cl. 81—60)

A ratchet wrench comprising a shell having an upper portion formed with an angular passage to receive the angular end of a manipulating tool and a lower portion formed with a circular chamber having a reduced circular passage leading to and coaxial with said angular passage, a slotted cylindrical cage rotatably mounted in said chamber, clutch rollers in said slots effecting driving engagement between said shell and a post disposed axially in said cage, said post having a socket engaging portion at its lower end and an axial bore at its upper end, a locking key non-rotatably mounted in said bore and slidable therein, said key having selective engagement with either of a pair of locking grooves on said cage, a plunger in said circular passage engaging said key to shift said key from one of said pair of grooves to the other for reversing the driving direction of said wrench, said key having limited oscillation in said locking grooves.



2,153,989
ELECTRICAL TESTING APPARATUS
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,176
17 Claims. (Cl. 175—183)



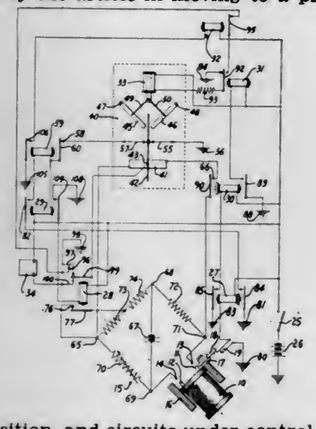
1. In a testing apparatus, a Wheatstone bridge circuit, a signal operable when an article under test meets predetermined requirements, means for including the article in the unknown arm of the bridge circuit, and means operable by the completion of the bridge circuit through the article for initiating testing operations.

13. In a testing apparatus, a testing circuit, means for connecting an article to said testing circuit including a contact connected to one side of said circuit for connecting one side of the article to the circuit, a soldering iron connected to the other side of said circuit, and a supply of solder melted by said soldering iron for engaging the other side of the article and the soldering iron.

2,153,990
ELECTRICAL TESTING APPARATUS
Christian Paulson, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,177
4 Claims. (Cl. 175—183)

2. Testing apparatus, comprising a Wheatstone bridge circuit, a meter type relay connectible

across the bridge circuit, means operable by an article to be tested for connecting the relay across the bridge including a switch positioned to be operated by the article in moving to a predeter-



mined position, and circuits under control of said switch for making said connection, and means for including the article in the unknown arm of the bridge circuit prior to the connection of the relay across the bridge circuit.

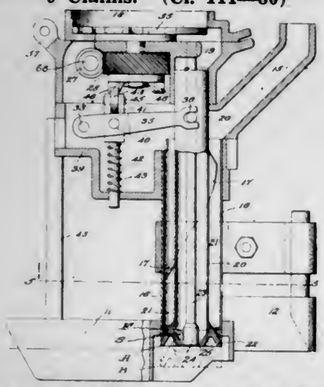
2,153,991

SEED DRILL

Levi Jack Pettett, Lockland, Ohio

Application October 26, 1937, Serial No. 170,995

9 Claims. (Cl. 111—80)



1. In a seed drill, the combination comprising a frame, a seed tank and a fertilizer tank mounted in said frame, means for depositing seed and fertilizer simultaneously, conduit means for connecting said tanks to said depositing means, said depositing means including a fertilizer tube and a seed tube disposed within said fertilizer tube, and means for simultaneously opening the discharge end of said seed tube and of said fertilizer tube to cause discharge of seed and a ring of fertilizer therefrom.

2,153,992

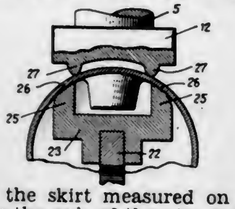
METHOD FOR TREATING WORN PISTONS

Carroll W. Prochaska, Mount Vernon, N. Y.

Application May 29, 1936, Serial No. 82,401

5 Claims. (Cl. 153—48)

1. Method of treating worn pistons to reform the piston skirt which comprises bending the metal of the piston about a relatively short radius between two members, one engaging the outside surface of said piston skirt, and the other engaging the inside surface thereof, to lengthen the



diameter of the skirt measured on a line perpendicular to the axis of the pin, and to shorten the diameter of the piston measured on a line parallel to the axis of the pin.

2,153,993

PROCESS OF PRODUCING N-VINYL COMPOUNDS

Walter Reppe, Ernst Keyssner, and Fritz Nicolai, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 9, 1936, Serial No. 114,975. In Germany December 18, 1935

2 Claims. (Cl. 260—313)

1. A process of producing N-vinyl compounds which comprises causing a pyrrole compound selected from the class consisting of pyrroles, indoles, carbazoles and naphtho-carbazoles having a free NH-group in admixture with a substance of the group consisting of hydroxides and alcoholates of the alkali and alkaline earth metals and the alkali compounds of said pyrrole compounds to act in a closed vessel on a substance of the group consisting of vinyl halides and dihalogen derivatives of ethane in the presence of an inert diluent at temperatures above 100° C.

2,153,994

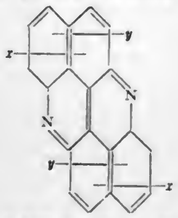
DEHYDROBINAPHTHYLENEDIIMINES

Alfred Rieche, Wolfen, Kreis Bitterfeld, and Walter Rudolph, Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 21, 1937, Serial No. 138,162. In Germany April 24, 1936

12 Claims. (Cl. 260—279)

1. The dehydrobinaphthylenediimines corresponding to the general formula



wherein x and y are members of the group consisting of hydrogen, halogen, ·OH, ·O alkyl, —NO_2, alkyl, ·SO_3H and ·COOH.

2,153,995

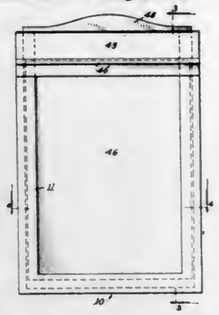
CAMERA PLATE HOLDER

Oscar J. Schwartz, New York, N. Y.

Application August 19, 1937, Serial No. 159,832

8 Claims. (Cl. 95—66)

1. A plate holder comprising a card board member scored and bent to provide a guideway for a negative plate and a guideway for a slide, said card board member being integrally formed and



adapted by the incorporation therein of a weakening line to be readily mutilated for the removal of the negative plate therefrom.

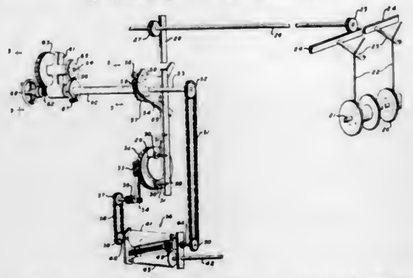
2,153,996

STRAND HANDLING APPARATUS

John N. Selvig, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1935, Serial No. 44,314

2 Claims. (Cl. 242—25)



1. The combination with a strand winding apparatus having a reel driven to take up a strand at constant linear speed, of a reciprocable strand guide and means to reciprocate the guide at an intermittently variable speed, said means comprising a reciprocating element, means operatively connecting the element to the guide to transfer to the guide like movements of the element, a cam operatively connected to the element and conditioned to reciprocate the element when rotated, variable speed means for rotating the cam, a rocking member, means connecting the rocking member to the element to cause movement of the member by the element, and means actuated by movements of the rocking member to change the speed of the variable speed means to vary the reciprocatory speed of the element and guide.

2,153,997

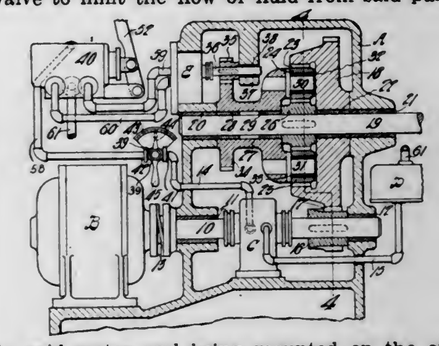
SPEED VARYING MECHANISM

Joseph Verderber, Cleveland, and Elmer F. Batterman, East Cleveland, Ohio

Application August 15, 1935, Serial No. 36,390

8 Claims. (Cl. 74—189.5)

1. A speed varying and reversing device having a housing, a driving and a driven shaft journaled in said housing, gears in permanent mesh between both of said shafts, a fluid pump within said housing and driven by said driving shaft, a fluid pressure motor operated by fluid from said pump and extending into said housing and being removable from the outside thereof, said motor acting on said gears to vary the speed ratio of said shafts, a manually controlled flow control valve to limit the flow of fluid from said pump



to said motor and being mounted on the outside of said casing, and a manually controlled flow reversing device to reverse the direction of rotation of said motor and driven shaft.

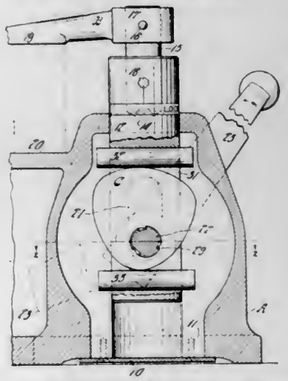
2,153,998

CAM MECHANISM

Joseph Verderber, Cleveland, and Elmer F. Batterman, East Cleveland, Ohio

Application February 18, 1937, Serial No. 126,336

1 Claim. (Cl. 90—59)



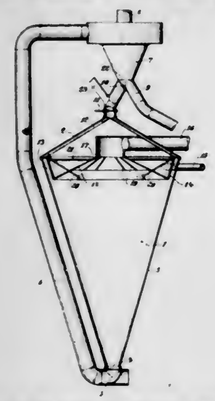
An operating means for work clamping and work releasing, including, a base, a post mounted in said base to move reciprocatively longitudinally and having a work clamping and work releasing member secured thereto and a transverse recess intermediate the ends thereof, a cam abutment member removably mounted in said post at opposite ends of said recess, a rotatable shaft journaled in said base and extending through said post free of contact thereon, and a cam eccentrically fixed to said shaft and having a cam surface comprising two portions formed to move said clamping member toward and away from a work piece on said base corresponding to rotative movement of said shaft when either of said portions are in contact with one of said abutments and a clamping portion comprising substantially one third of the length of said cam surface and having a diameter equal to the distance between said abutments so that the clamping portion of said cam contacts both of said abutments, a high point adjacent one of said first named portions limiting the upward movement of said clamping member and points adjacent to and below said

high point for limiting movement of said clamping member to distances less than the distance of movement by said high point and locking said clamping member against reversing when rotation of said cam stops while any of said points adjacent contacts said abutment members.

2,153,999
ELECTROLYTIC CONDENSER
Herbert Waterman, Manhasset, N. Y., assignor to Aerovox Corporation, Brooklyn, N. Y., a corporation of New York
No Drawing. Application December 9, 1937, Serial No. 178,877
9 Claims. (Cl. 175—315)

1. An electrolyte mix for dry electrolytic condensers including the following raw ingredients: a weak acid of the group consisting of boric, malic, citric, lactic, acetic and phosphoric acid, an alkali material of the group consisting of a salt of ammonium, sodium and potassium and two or more polyhydric alcohols including a hexahydric alcohol and a polyhydric alcohol of lower order.

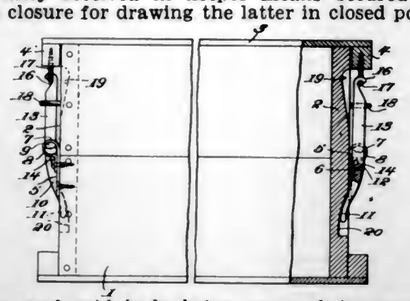
2,154,000
PROCESS AND APPARATUS FOR SPRAY DRYING
Paul T. Zizinia, Belmar, and Thomas L. McKenna, Newark, N. J., assignors to Spray Dryer Laboratory Corporation, Jersey City, N. J., a corporation of New Jersey
Application September 7, 1935, Serial No. 39,518
18 Claims. (Cl. 159—4)



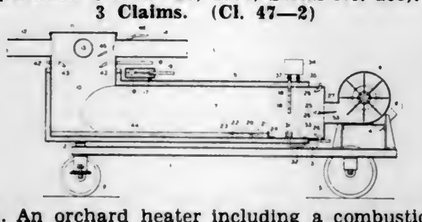
1. A process of spray-drying, which comprises spraying the material to be dried into the drying chamber, and continuously flowing finely-divided relatively dryer material over the wall of the chamber to prevent adhesion of the freshly dried material to the wall.

2,154,001
CLOSURE FASTENING DEVICE
George R. Green, Livingston, Wis.
Application September 15, 1937, Serial No. 164,043
2 Claims. (Cl. 292—113)

1. In a fastening device for the closure of a container, attaching means including bearing eyes and secured to the body of the container, a hand operated lever having a slotted end, trunnions oval shaped in cross section extending laterally from the slotted end and loosely mounted in the bearing eyes, a latching bar pivoted in the slotted end and having a hooked free end removably received in keeper means secured to the closure for drawing the latter in closed position, and said body being recessed to provide pockets to receive the lever and the latching bar.



2,154,002
ORCHARD HEATER
Walter B. Kerrick, Los Angeles, Calif.
Application October 13, 1937, Serial No. 168,768
3 Claims. (Cl. 47—2)



1. An orchard heater including a combustion chamber; a liquid container in said chamber and forced draft means discharging into said chamber.

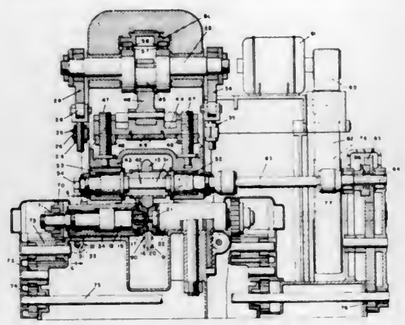
2,154,003
PAPER DRINKING CUP
John D. Lane, Boston, Mass.
Application September 30, 1937, Serial No. 166,529
3 Claims. (Cl. 229—1.5)



1. A paper cup tapered lengthwise converging toward its closed lower end where it is adapted to be grasped and of substantially rectangular section adjacent to said lower end, said cup being formed up from a sheet of paper having overlapping end edges adhesively secured together, the overlap of said edges adjacent to said closed end extending for substantially the full width of one side of said cup for the full height of the grasping zone, said cup having a reinforcing layer folded about said end and adhesively secured to one side of said cup and of substantially the full width thereof for the full height of the grasping zone.

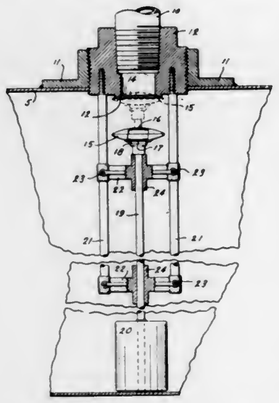
2,154,004
METALWORKING MACHINE
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application October 28, 1935, Serial No. 47,180
14 Claims. (Cl. 153—28)

13. In a machine for forming an annulus to a predetermined cross sectional contour, a pair of relatively axially movable roll sections having portions engageable within opposite sides of the annular blank and having other portions engageable with the opposite side edges of the blank, means for relatively moving the roll sections axially toward each other to bend the opposite side



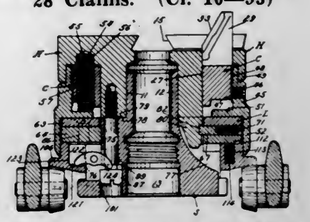
edge portions of the blank radially with respect to the axis of the blank and operable to continue the application of said axial pressure on the blank subsequent to the bending operation, and means effective during the interval the axial pressure on the annular blank is continued by the roll sections to engage said blank and urge the same toward the peripheral surface of the roll sections.

2,154,005
SIGNAL DEVICE FOR STORAGE TANKS
Joseph A. Logan, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application January 13, 1938, Serial No. 184,742
8 Claims. (Cl. 137—102)



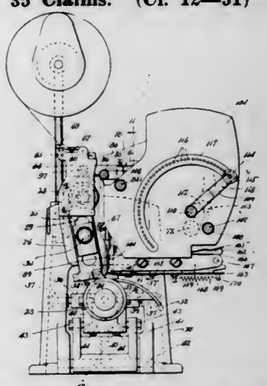
1. In combination with a tank for liquid fuel, a pipe through which said fuel is withdrawn from the tank, said pipe having its inlet end located near the bottom of the tank but spaced above said bottom to allow for the accumulation in the base of the tank and below said end of liquids of higher specific gravity, a signalling means, and means operable by the accumulation of such last-named liquids to a predetermined level below the level of said inlet end to actuate said signalling means.

2,154,006
DIE HEAD
Samuel W. Mathias and Milburn A. Hollengreen, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application June 15, 1936, Serial No. 85,419
28 Claims. (Cl. 10—95)



1. In a die head assembly, a head mounted for axial movement upon a support, said head carrying cutters mounted for movement thereon and having a control mechanism, including an axially movable member for moving them inwardly when said member is moved forwardly with respect to said head, resilient means tending to move said member rearwardly so as to allow said cutters to move outwardly, releasable means for locking said member forwardly against the action of said resilient means, means for automatically unlocking said releasable means when said head moves forwardly with respect to said support for permitting said resilient means to move said member rearwardly, and means for moving said member forwardly, for closing the die against the action of said resilient means, and for positively moving said head rearwardly with respect to said support.

2,154,007
EYELET STAY TAPING MACHINE
Walter P. Osgood, Malden, Mass.
Application March 1, 1937, Serial No. 128,396
35 Claims. (Cl. 12—51)

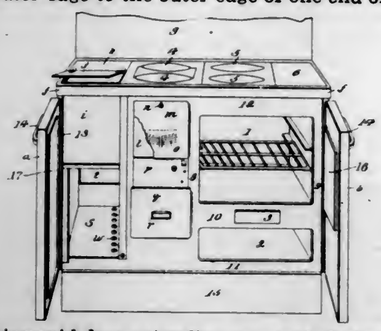


1. A tape-applying machine having, in combination, tape-applying mechanism, tape-severing mechanism, and means independent of the operative for throwing the tape-severing mechanism automatically out of operation.

2,154,008
COAL RANGE
Ambrose R. Pierce, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application November 8, 1937, Serial No. 173,472
3 Claims. (Cl. 126—1)

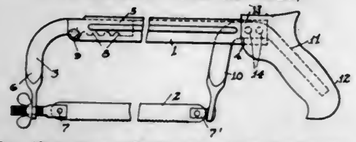
1. A coal range comprising a housing having

its top consisting of a reservoir opening at one end, and the balance of said top comprising a cooking top, a reservoir under said opening, a coal compartment adjacent said reservoir and an oven adjacent said coal compartment, said oven having its outer end open, a door hinged at its outer edge to the outer edge of one end of said



housing said door extending over and closing said oven, and a second door hinged at its outer edge to the other outer edge of said housing and closing that part of said housing not closed by the first mentioned door, the inner edges of said doors abutting, the said open end of said oven being closed and opened by the first mentioned door.

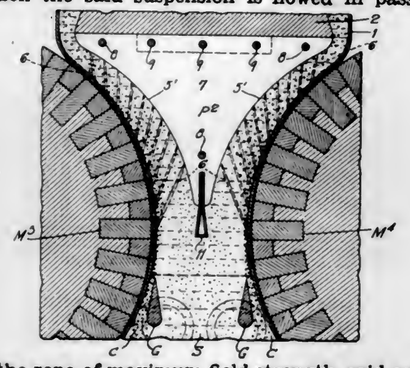
2,154,009
MANUFACTURE OF HACKSAW FRAME MEMBERS
Dwight E. Priest, Worcester, Mass., assignor to Parker Wire Goods Company, Worcester, Mass., a corporation of Massachusetts
Original application September 18, 1935, Serial No. 41,113, now Patent No. 2,058,107, dated October 20, 1936. Divided and this application September 21, 1936, Serial No. 101,730
2 Claims. (Cl. 29—148)



1. In the manufacture of a hacksaw frame member, having a handle portion and a depending leg portion, the latter at its extremity adapted to receive a saw-blade retaining device, the improvement which consists in initially forming two bends in a piece of substantially round rod stock to provide said handle portion and said leg portion in proper angular relation to the remainder of said piece, and thereafter flattening said handle portion and said leg portion, except at the latter's extremity, in a longitudinal plane and flattening the leg portion's extremity in a transverse plane, whereby to impart sufficient width to said leg extremity for the passage therethrough of a saw-blade retaining device.

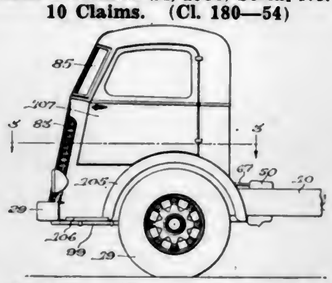
2,154,010
ELECTROMAGNETIC SEPARATOR DEVICE
Augustin Leon Jean Queneau, Bernardsville, N. J.
Application January 16, 1937, Serial No. 120,987
10 Claims. (Cl. 209—219)

1. In an electromagnetic separator device including means to flow a suspension of materials under hydrostatic pressure through an electromagnetic field projected through the suspension transversely to the direction of suspension flow and means to progressively move the magnetically attracted particles in the direction of suspension flow through the said field and out of the same into channels of flow separate from the channel of flow of the main body of said suspension after leaving the said field, a magnetic comb device disposed in said magnetic field above the zone of maximum field strength through which the said suspension is flowed in passing



to the zone of maximum field strength, said comb being formed to provide a plurality of paths of relatively high magnetic flux concentration in spaced relation in the direction of suspension flow, each said path extending throughout the cross-sectional area of said field traversed by the said suspension in passing towards the zone of maximum field strength and each said path being curved in the direction toward the zone of maximum field strength and toward the magnetic poles inducing said magnetic field.

2,154,011
AUTOMOTIVE VEHICLE
Harry K. Reinoehl and Donald G. Renno, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application December 24, 1936, Serial No. 117,450
10 Claims. (Cl. 180—54)



1. In an automotive vehicle having a frame extending a substantial distance forwardly beyond the front axle, and in combination, a cab mounted on the front end of the frame, an engine mounted on the frame at the rear of the cab projecting upwardly into the cab centrally thereof and occupying substantially half of the cab in the longitudinal direction, a transverse driver's seat mounted at the back of the cab over said engine, a radiator mounted at the front of the cab centrally thereof, a fan adjacent the radiator at the rear thereof with its axis in alignment with the axis of the engine's crankshaft, a driving shaft extending from the crankshaft to the fan, a substantially horizontal floor board ahead of the operator's seat between the engine and its radiator, and a floor board and air deflector extending downwardly to the rear from the top of the radiator and joining the first named floor board.

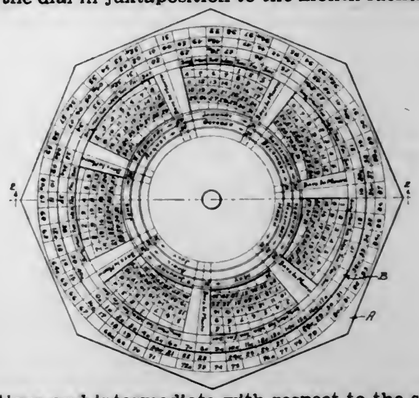
2,154,012
RIVET
Austin D. Rhodes, Waltham, Mass., assignor to Judson L. Thomson Manufacturing Company, Inc., Waltham, Mass., a corporation of Massachusetts
Application January 17, 1936, Serial No. 59,535
1 Claim. (Cl. 30—344)



A rivet for fastening handle portions to knife shanks and similar uses comprising a metallic female member having a head at its outer end and a tubular shank extending inwardly therefrom, said shank having an elongated bore of substantially uniform diameter extending from a point adjacent said head to a point intermediate of the latter and the inner end of the shank, and an enlarged bore extending from said inner end of the shank to the inner end of said first mentioned bore locating their juncture at a point remote from the inner end of the shank, and a cooperative metallic male member provided with a head at its outer end and a stem portion extending inwardly therefrom, the diameter of the stem portion being substantially greater than the diameter of said first mentioned bore of the female member to create a correspondingly elongated binding impingement between said male and female members and flowage of the metal of the latter, the enlarged bore portion of the female member affording space between the same and the stem of the male member to accommodate said flowage of metal and create a continuation of the binding impingement between the tubular and stem portions when driven together, the remote location of the juncture between the relatively larger and smaller bores of the tubular shank effecting initial expanding forces between the stem and tubular portions substantially away from the inner end of the latter to avoid splitting.

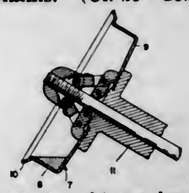
2,154,013
PERPETUAL CALENDAR
Edward Schillaci, Philadelphia, Pa.
Application January 12, 1937, Serial No. 120,280
4 Claims. (Cl. 40—113)

1. A calendar of the kind described comprising a base having indicia of a plurality of month tables integrated into a single continuous table, a turnable disk forming a dial uppermost to the base and having spaced radially extending openings of a number corresponding to the number of month tables concentrically arranged to the center and entirely about its axis, centurial indicia on the dial concentrically to said axis and outwardly of the openings in said dial, year indicia on the base concentric to the dial and outwardly of the centurial indicia, week day and month identifications associated with said dial and arranged next to said openings, said indicia on the base being exposed through said openings for the calendar of any one and all months of a year, and number of days to a month indicia on the dial in juxtaposition to the month identifi-



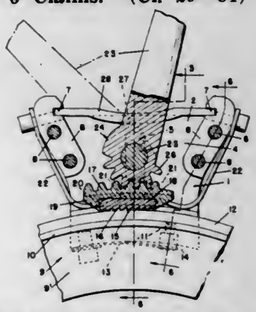
cations and intermediate with respect to the said opening for cooperation with the indicia exposed therethrough.

2,154,014
METHOD OF MAKING BRAKE DRUMS
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application September 30, 1935, Serial No. 42,958
7 Claims. (Cl. 29—152.2)



2. The method of making a brake drum, comprising forming a brake drum shell having an annular brake flange, heating the shell, revolving the shell about a generally inclined axis, subjecting the internal face of the brake flange to a cyanide material while the shell is heated and revolving, quenching the shell, and subsequently refashioning the shell while cold.

2,154,015
BRAKE LINING STRETCHER
Edward R. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 4, 1936, Serial No. 77,868
6 Claims. (Cl. 29—84)



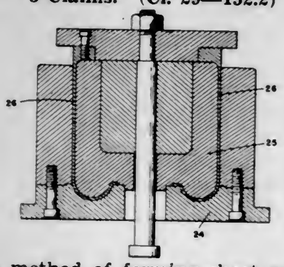
1. In a brake lining stretcher, the combination

with a body adapted to be secured to a brake element, of a gripper adapted to engage a lining for the element, means movable toward the lining and engageable with said gripper for moving the latter in a direction to stretch the lining, and yieldable means for urging said gripper moving means toward the lining.

2,154,016
METHOD OF FORMING BRAKE DRUMS

Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application June 29, 1936, Serial No. 88,022
3 Claims. (Cl. 29—152.2)

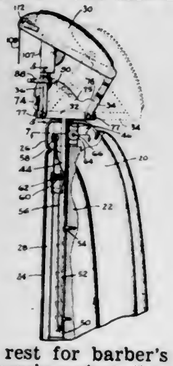


1. The method of forming sheet metal brake drums which comprises bending a sheet metal strip into tube-like form, integrating the ends thereof by welding, curling one cylindrical edge portion of the blank towards the axis of the blank, bending the other edge portion of the tube-like blank to form a flange extending transversely of and away from the axis of the blank, and then flattening the curled portion of the blank.

2,154,017
BARBER CHAIR HEADREST

Andrew Tonning, Buffalo, N. Y.

Application November 3, 1937, Serial No. 172,580
3 Claims. (Cl. 155—177)

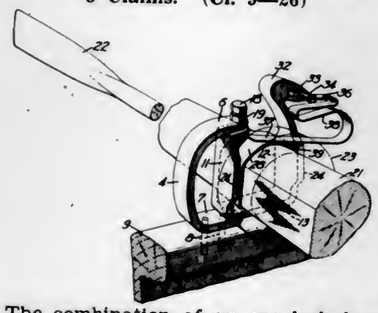


3. In a head rest for barber's chairs a base plate, a pillow member pivotally supported upon said base plate by means of a link mechanism for movement in an arc-like path extending from above said base plate to a position below and behind said base plate, and means for detachably locking said pillow member in various positions along said arc-like path comprising a pair of wing plates pivotally mounted upon said base plate and connected with said pillow member by tension exerting means whereby movement of said pillow member to a position below and behind said base plate moves said wing plates to snugly recline in parallel relation against said base plate, and movement of said pillow member to positions above said base plate causes the wing plates to be moved to transverse positions relative to said base plate, and latch means carried by said link mechanism for detachable engagement with cooperating means on said wing plates.

2,154,018
FEATHERING DEVICE FOR BOAT OARS

Fred Wagele, Oakland, Calif.

Application November 23, 1937, Serial No. 176,080
5 Claims. (Cl. 9—26)

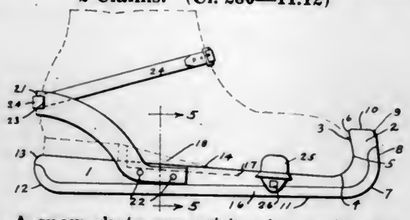


1. The combination of an oar lock having a pair of adjacent angularly related surfaces, an oar having a surface complementary to each of said oar lock surfaces and movable into alternate engagement with either thereof, a compressible spring carried by said oar lock and engaging a surface of the oar, and means on said oar for compressing said spring during movement of said complementary oar surface to engage both of said oar lock surfaces.

2,154,019
SNOW SKI

Walter Frederick Westphal, Halethorpe, Md.

Application February 15, 1938, Serial No. 190,655
2 Claims. (Cl. 280—11.12)



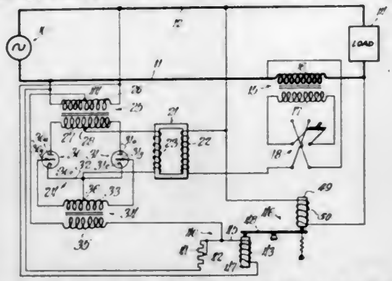
1. A snow skate comprising in combination, a block having a flat bottom skating surface and an upper shoe surface tilting angularly downwardly towards the toe portion, said block being substantially the same length as the shoe of the user, a toe element at the front of the block curved to closely engage the toe of the shoe and project above same, its outer front portion having a long sweep curve to permit an unobstructed front tilting of the block, the heel portion of the block being provided with long sweep curves, and the lower edges of the block being substantially rounded to permit side tilting to allow the skater to turn on the skate, clamp means for holding the block to a shoe, and a resilient vacuum member interposed between the upper surface of the block and the shoe.

2,154,020
CONSTANT VOLTAGE SYSTEM

Hugh E. Young, Chicago, Ill.

Application April 9, 1936, Serial No. 73,413
4 Claims. (Cl. 171—119)

1. An electric system comprising, in combination, circuit means for connecting a load device to a source of alternating current, a transformer having a secondary winding connected in series circuit relation with said circuit means and a primary winding, a saturable reactor having an operating winding and a direct current control winding, said primary and operating windings be-

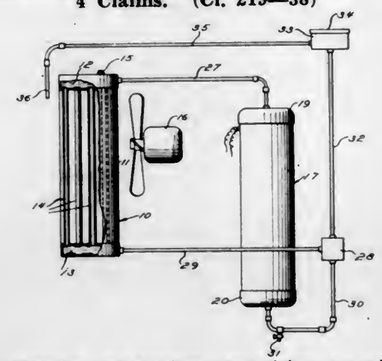


ing connected in series circuit relation and across said load circuit, and means operable in accordance with changes in the voltage across said circuit means for varying the energization of said control winding, whereby the effective voltage of said transformer is varied to maintain a predetermined voltage across said load device.

2,154,021
ELECTRIC HEATER

Nicholas E. Abbate, Chicago, Ill.

Application August 31, 1937, Serial No. 161,851
4 Claims. (Cl. 219—38)



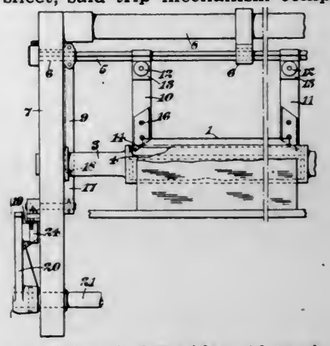
1. Heating apparatus comprising an electric water heater, a hot water radiator, flow and return pipes connecting the heater with the radiator, a fan adjacent the radiator for distributing heated air from the radiator throughout the space to be heated, a sealed tank connected in the return pipe from the radiator to the heater adapted to separate steam vapor from circulating water and permit the steam to escape to the atmosphere, and a pipe connected to the sealed tank and opening into the draft produced by the fan for humidifying the hot air delivered by the fan.

2,154,022
DEVICE FOR AUTOMATICALLY STOPPING SHEET CONVEYERS FOR PRINTING OR LIKE MACHINES

Headley Townsend Backhouse, London, England

Application February 12, 1935, Serial No. 6,224
In Great Britain March 3, 1934
18 Claims. (Cl. 192—126)

1. In a machine for feeding in succession sheets of paper or the like along a track from one operating station to a second operating station by conveyer mechanism, trip mechanism to stop the conveyer operable on conveyance of a misplaced sheet, said trip mechanism comprising a

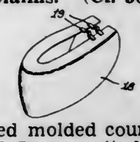


side arm positioned alongside said track adapted to be engaged by that part of the misplaced sheet which extends laterally of the track beyond the normal line of the edges of the sheets.

2,154,023
COUNTER

William H. Bain, Lewiston, Maine

Application August 11, 1936, Serial No. 95,364
3 Claims. (Cl. 36—68)

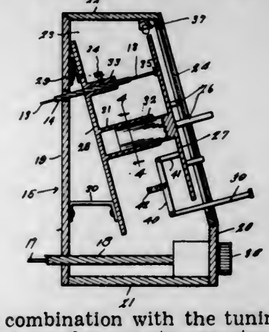


1. An improved molded counter having an inturned marginal flange united at its forward end by a connecting member bowed to present a pronounced centrally located corrugation shaped to fit the contour of a shank stiffener.

2,154,024
RADIO RECEIVER TUNING APPARATUS

Michael Basnicki, Picture Butte, Alberta, Canada

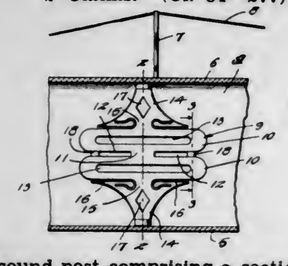
Application December 16, 1937, Serial No. 180,259
4 Claims. (Cl. 74—10)



1. The combination with the tuning unit of a radio receiver, of means to operate said unit to tune in different broadcasting stations selectively comprising a casing having a front panel apertured at different locations thereon, a plate mounted in said casing behind said panel for movement in different degrees into different set positions to tune in different stations, a flexible shaft operatively connecting said plate to said unit for operation of the unit in correspondence

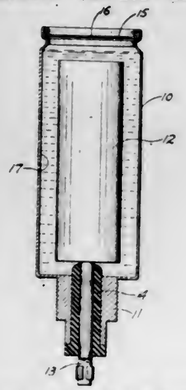
with the degrees of movement of the plate, and a plurality of push rods of different lengths operative in said apertures to move said plate in different degrees respectively, said panel having thereon a geographical map, and the apertures in said panel being located relative to the map in accordance with the geographical locations of the broadcasting stations.

2,154,025
SOUND POST
Ernest R. Born, Hensel, N. Dak.
Application June 2, 1937, Serial No. 146,067
Renewed October 3, 1938
2 Claims. (Cl. 84—277)



1. A sound post comprising a section of material having outwardly tapered ends and intermediate separated substantially oval shaped portions, and adjustable keys wedged between said oval portions.

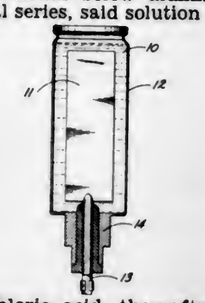
2,154,026
CATHODE FOR ELECTROLYTIC DEVICES
Joseph B. Brennan, Fort Wayne, Ind.
Application August 7, 1934, Serial No. 738,804
12 Claims. (Cl. 175—315)



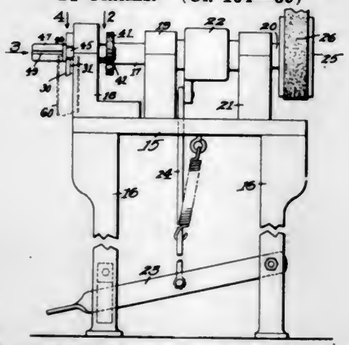
12. An aluminum cathode for electrolytic condensers having an electrolyte, said cathode having an etched surface adapted to be directly in contact with the electrolyte of the condenser.

2,154,027
ELECTROLYTIC DEVICE AND METHOD OF MAKING SAME
Joseph B. Brennan, Fort Wayne, Ind.
Application October 13, 1934, Serial No. 748,247
7 Claims. (Cl. 148—8)

1. The process of preparing high purity aluminum electrodes for electrolytic condensers which comprises cleaning the aluminum in a solution of borax, providing the aluminum with a roughened surface and removing metallic surface impurities therefrom by etching the aluminum in a solution of a salt of a metal below aluminum in the electro-chemical series, said solution being acidified by hydrochloric acid, thereafter dissolving the impurities deposited on the aluminum in the etching bath by immersing the aluminum in a solution of nitric acid, and washing the aluminum to remove the nitric acid.



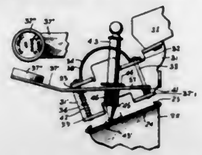
2,154,028
TRIMMING MACHINE
Cornelius A. Brosnan and Patrick F. Kelleher, Worcester, Mass., assignors to Worcester Pressed Aluminum Company, Worcester, Mass., a corporation of Massachusetts
Application December 20, 1937, Serial No. 180,767
14 Claims. (Cl. 164—69)



1. A machine for trimming boxes of non-circular cross section comprising a die closely fitting the interior of the box to be trimmed, a cutter co-acting with said die, said cutter and die being mounted to rotate on fixed parallel axes and said cutter being shaped to maintain substantially uniform box-trimming overlap therewith, and means to cause said die to rotate through a definite number of complete revolutions for each revolution of said cutter, whereby the same parts of said cutter and die coact during each revolution of said cutter.

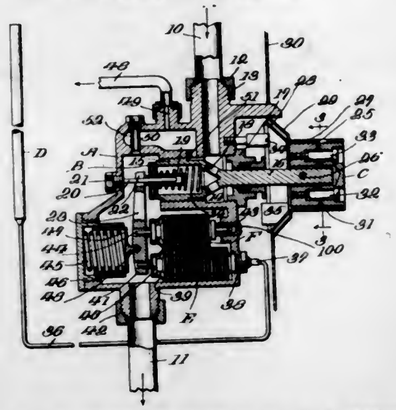
2,154,029
MARKING DEVICE FOR INDEX BLANKS
Thomas C. Brown, San Francisco, Calif., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application June 30, 1934, Serial No. 733,212
5 Claims. (Cl. 234—1)

1. In apparatus of the character described, including a holder for an index blank and a support arranged for travel thereover: a mount carride by said support, arranged for movement relative to said support and transverse to said travel; means biasing said mount to a predetermined position relative to said support; and marking means, yieldably connected with said mount for rotational movement relative thereto,



responsive to said mount movement to move rotationally relative to said mount and transversely across and with pressure against a blank in said holder.

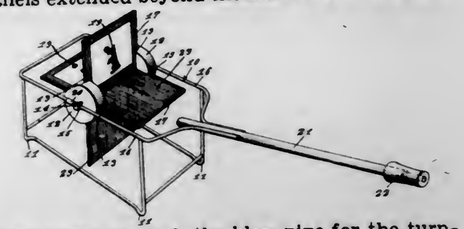
2,154,030
AUTOMATIC TEMPERATURE REGULATOR
Isaac Vernon Brumbaugh, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application July 12, 1933, Serial No. 680,134
11 Claims. (Cl. 236—15)



1. An improved automatic control device for regulating temperature, comprising a bulb subjected to the temperature to be controlled and a regulator mechanism in combination therewith, a fuel pipe, said regulator including a valve for controlling the passage of fuel through said pipe, a regulator bellows having a conduit interconnecting it with the bulb, an expansible fluid in the bulb and in the bellows, a pivotally mounted valve actuating member interconnecting the valve and the regulator bellows, a compensator bellows carrying an expansible fluid and having operative connection with the valve operating member, both of said bellows and said valve being at the same side of the valve actuating member, and resilient means at the opposite side of said valve actuating member for holding said member in operative connection with both of said bellows, the parts operating for the purpose described.

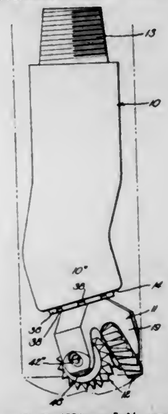
2,154,031
TOY MOVIES DEVICE
Alwyn R. Bunting, Portsmouth, Va.
Application August 13, 1937, Serial No. 159,004
3 Claims. (Cl. 46—56)

1. A toy of the kind described comprising a frame-carrying blow pipe, spaced journaling disks removably fitting the frame of said pipe, and crossed separably interfitted panels between the disks and detachably engaged therewith with the panels extended beyond the same and in the path



of air blown through the blow pipe for the turning of said panels in a rotary direction.

2,154,032
ROTARY WELL BIT
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application July 10, 1937, Serial No. 152,975
10 Claims. (Cl. 255—71)

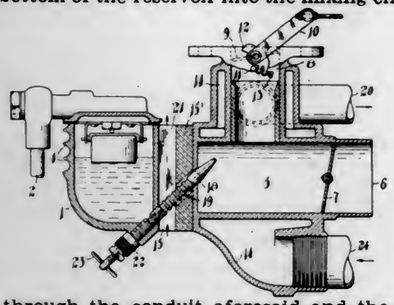


1. A rotary well drilling bit comprising a shank, a cutter head at the lower end of the shank, means mounting the head on the shank for rotation about an axis inclined with respect to the longitudinal axis of the shank, a plurality of toothed roller cutters, and means supporting the cutters on the head for rotation about axes that lie in planes substantially radial with respect to the axis of rotation of the head.

2,154,033
CARBURETOR
John Cameron, London, Ontario, Canada, assignor to New Era Carburetor Corporation, Limited, Toronto, Ontario, Canada, a company
Application July 29, 1937, Serial No. 156,291
2 Claims. (Cl. 261—12)

2. The combination in a carburetor of a float reservoir; a mixing chamber having an inlet and outlet and positioned close to but spaced from one side wall of the float reservoir; heat insulation comprising a front wall fitted against the said side wall of the mixing chamber and side walls fitted against the adjacent wall of the float chamber, the insulation forming with said wall of the float chamber a conduit through which air may circulate; heating means for the mixing chamber comprising a hot air jacket extending about the body of the said chamber

leaving free the wall adjacent the float reservoir; and a fuel jet extending diagonally upward from the bottom of the reservoir into the mixing cham-



ber through the conduit aforesaid and the adjacent wall of the mixing chamber, the part of the jet in the air conduit being formed with cooling ribs.

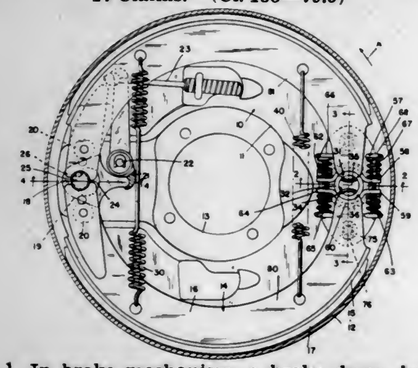
2,154,034

BRAKE MECHANISM

James E. Cornwall, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application September 3, 1937, Serial No. 162,368

17 Claims. (Cl. 188—79.5)



1. In brake mechanism, a brake drum, brake friction means supported within said drum for shifting movement circumferentially of the drum and having spaced ends, means for adjusting the friction means relative to the drum including a member movable axially of the drum between the ends of the friction means and engageable with said ends, and means for suspending said member between the ends of the friction means for shifting movement with the friction means circumferentially of the drum including springs coacting with said member to center the friction means in the drum.

2,154,035

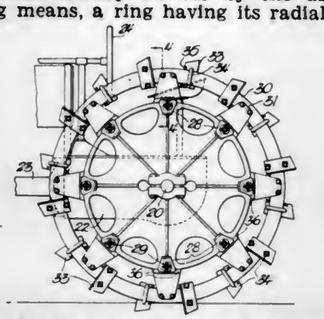
TRACTION TIRE

Nelson C. Cuddeback, Chicago, and Bert R. Benjamin, Oak Park, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application October 2, 1936, Serial No. 103,738

4 Claims. (Cl. 301—40)

1. In a wheel structure capable of supporting and holding a demountable air tire and rim by means of a plurality of peripherally spaced clamping means, the combination with said clamping means of a traction device interchangeable with the tire and rim, said device comprising a plurality of separate peripherally spaced supports extending outwardly from the wheel and clamped individually thereto by the aforesaid clamping means, a ring having its radial thick-



ness considerably greater than its axial thickness held radially outwardly of the wheel at the outer ends of the supports and serving to maintain the peripheral spacing of the supports, and a plurality of traction lugs mounted on the ring.

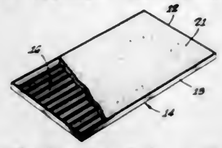
2,154,036

CONSTRUCTIONAL FINISH DETAIL ELEMENT

Arthur Doherty, Los Angeles, Calif.

Application August 25, 1937, Serial No. 160,875

4 Claims. (Cl. 72—0.5)



1. In a surfacing panel for building construction, a metal sheet, and means for attaching said sheet rigidly to a supporting structure, said attaching means comprising a sheet of metal lath welded to the inner face of said sheet at closely spaced spots throughout the area thereof, and cementitious material applied to said inner face of said metal sheet and embedding said metal lath within said cementitious material, the exposed face of said cementitious material being adapted to receive bonding material for fastening said panel to said supporting structure.

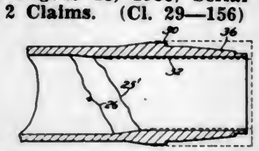
2,154,037

METHOD OF MAKING JOINTS

George M. Eaton, Ben Avon, Pa., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 15, 1936, Serial No. 96,209

2 Claims. (Cl. 29—156)



1. That method of making a mating seamless oil-well casing end which includes the steps of upsetting the interior and exterior of a seamless casing end, boring out the interior upset portion concentric to the outer casing surface and to the desired internal diameter, machining the exterior upset portion concentric to the machined internal surface and to the desired outside diameter, further machining at least one of the machined surfaces to a complementary contour and threading the contour, and correlating the upsetting and machining operations so that the internal machined surface of the casing end will pass a standard A. P. I. drift with a clearance of less than about .03'' and the internal surface of the casing will pass the drift with a nominal clearance at least approximately twice the clearance at the joint.

2,154,038

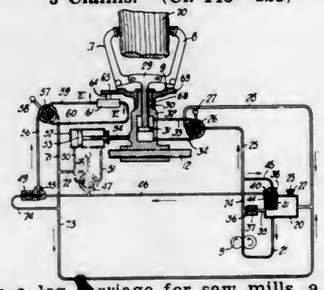
FLUID PRESSURE OPERATED APPARATUS

Kaleb Emil Evreli, Eskilstuna, Sweden, assignor to Aktiebolaget Bolinder-Munktell, Eskilstuna, Sweden, a corporation of Sweden

Application September 22, 1937, Serial No. 165,209

In Sweden October 3, 1936

3 Claims. (Cl. 143—125)



1. In a log carriage for saw mills, a gripping device for holding a log during the sawing operation, a first servo-motor for actuating said gripping device, means for side shifting said gripping device, a second servo-motor for actuating said shifting means, an impeller for delivering fluid under pressure, a first conduit for connecting said impeller with said first servo-motor, a second conduit for connecting said impeller with said second servo-motor, and a control valve in said second conduit, said control valve being adapted to be opened upon increase in the pressure of said fluid above the pressure required for actuating said first servo-motor.

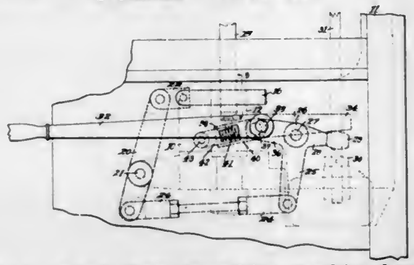
2,154,039

BROACH LOCKING DEVICE

John Walter Forbes, Marlborough, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application February 10, 1938, Serial No. 189,744

4 Claims. (Cl. 90—33)



1. In a pull down broaching machine having a puller head, a broach provided with a transverse slot, and a key insertable in said slot to lock said broach in said head, that improvement which consists in providing automatic means to withdraw the key from the slot at the end of the working stroke, and manual means to insert the key in the slot at the beginning of the next working stroke.

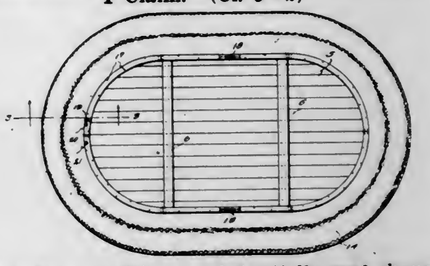
2,154,040

BOAT

Daniel Frisendahl, Little Falls, Minn.

Application February 8, 1938, Serial No. 189,430

1 Claim. (Cl. 9—2)



A boat comprising a substantially oval-shaped rigid floor, rigid upstanding walls secured on the floor and including coaming strips at the upper edges thereof, superimposed endless inflatable tubes surrounding the walls with the lowermost tube of an increased size over the size of the tube disposed thereabove and extending below the floor, a cover surrounding the lowermost tube and extending therefrom and secured on the under face of the floor, said cover including a beading on the outer side of the lower tube, a sheet of fabric having one edge secured on the beading and extending over the upper tube and disposed over the coaming strips and folded upon itself, and clamping strips securing the folded portion of the fabric on the coaming strips.

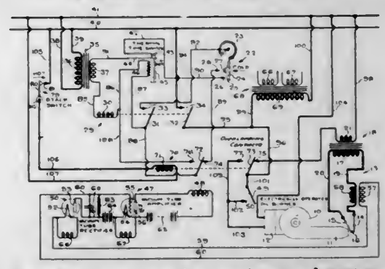
2,154,041

FUEL COMBUSTION CONTROL SYSTEM

Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

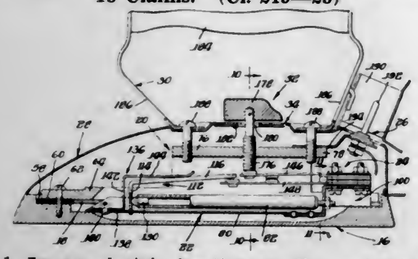
Application September 9, 1935, Serial No. 39,700

5 Claims. (Cl. 158—28)



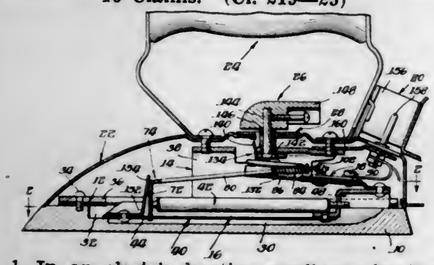
1. In a fuel combustion system, a burner, electrically operated means controlling the flow of fuel to said burner, a high voltage circuit including a source of high voltage and a sprak gap for igniting the fuel supplied by said fuel feeding means and having sufficient capacity that the occurrence of a proper spark in said spark gap causes the flow of a high frequency current in said high voltage circuit, means for controlling the operation of said fuel flow controlling means, said last named means comprising a device coupled to said high voltage circuit at a point adjacent to said spark gap and responsive only to the presence of a high frequency current flow in said high voltage circuit adjacent said spark gap and operative to cause said flow controlling means to cause a flow of fuel to said burner only when there is a flow of high frequency current through said high voltage circuit adjacent the spark gap.

2,154,042
THERMOSTATICALLY CONTROLLED ELECTRIC HEATING APPLIANCE
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1937, Serial No. 164,510
15 Claims. (Cl. 219—25)



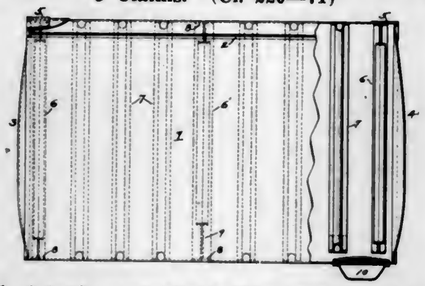
1. In an electric heating appliance having a heat applying member, a heating element, a supply circuit for said heating element, and a thermostatic control device comprising linearly expansible metallic and vitreous members having dissimilar coefficients of expansion, means for detachably securing corresponding ends of said metallic and vitreous members against movement relative to the heat applying member, the opposite ends of said metallic and vitreous members being shiftably supported on said heat applying member, means for controlling the energization of the supply circuit, and means responsive to the difference in expansion of said metallic and said vitreous members for actuating said control means.

2,154,043
THERMOSTATICALLY CONTROLLED ELECTRIC HEATING APPLIANCE
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1937. Serial No. 164,511
16 Claims. (Cl. 219—25)



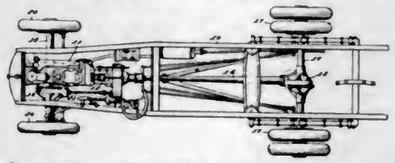
1. In an electric heating appliance having a heat applying member, a heating element, a supply circuit for said heating element, and a thermostatic control device comprising linearly expanding members having dissimilar coefficients of expansion, means for fixedly securing corresponding ends of said linearly expanding members against movement relative to said heat applying member, the opposite ends of said expanding members being shiftably supported on said heat applying member, means having a plurality of operative positions for controlling the energization of said supply circuit and means responsive to the difference in expansion of said linearly expanding members and comprising a toggle mechanism operatively associated with said linearly expanding members and said controlling means for snapping said controlling means from one operative position to the other.

2,154,044
FLUID TANK
Frederick V. Hartman, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 8, 1937, Serial No. 124,612
5 Claims. (Cl. 220—71)



1. A tank comprising a thin gauge metal shell having a closure secured at each end thereof, a plurality of spaced continuous girder supporting members within and joined to said shell, one of said members being of greater depth throughout its bottom and sides than at its top.

2,154,045
MULTIAXLE DRIVE VEHICLE
Arthur W. Herrington, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application March 25, 1937, Serial No. 132,899
5 Claims. (Cl. 74—326)



1. A power transmission unit for motor vehicles, comprising a hollow casing structure having a bearing for the reception of a power delivery shaft having a splined outer end, an extension for said power delivery shaft journaled in the casing in alignment with said bearing and having a splined inner end, means by which said extension may be rigidly attached to said power delivery shaft in alignment therewith, a rotary power transmitting element splined upon the inner end of the extension shaft and splinable on the adjacent end of said power delivery shaft, a jack shaft journaled in said casing, a second rotary power transmitting element associated with said jack shaft, and power transmitting means connecting said two rotary power transmitting elements.

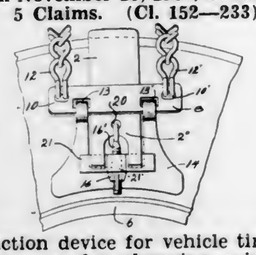
2,154,046
FASTENING CLIP FOR CABLES OR THE LIKE
Harold W. Kost, Ferndale, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application October 26, 1938, Serial No. 237,069
3 Claims. (Cl. 24—259)

2. A fastening device for securing a cable, or the like, to a panel having a hole, comprising a clip having a substantially flat body, means attached to one edge of the body to project laterally therefrom for holding a cable, or the like, a resilient tongue attached to the central portion of the body and extending laterally of and then parallel with the same in superimposed relation with one face thereof, and a prong projecting from the same side of the body as said tongue but in a direction away from the tongue and spaced therefrom, whereby said body may lie flat



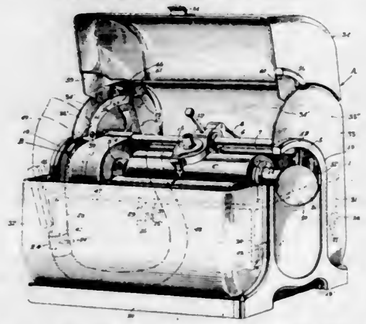
against one face of the panel in opposition to said body and with said prong engaging the wall of the hole at a point opposite the place where the tongue extends through the hole to prevent unintentional withdrawal of the tongue from the hole.

2,154,047
TRACTION DEVICE
George E. Krider, Blair County, Pa.
Application November 16, 1937, Serial No. 174,853
5 Claims. (Cl. 152—233)



1. A traction device for vehicle tires having a clamping means for clamping said tires, said clamping means comprising a curved member extending over the tread of said tire and curved in the direction of the tire rim, flexible anti-skid means secured to the said curved member and adapted to extend transversely across the tread of said tire, means on one end of said curved member for contacting one side of the said tire, means on the other end of said curved member for pivotably supporting a movable hinge member, said hinge member adapted to contact the opposite side of said tire, means operatable between the curved member and the hinge member for forcing the said hinge member against the said tire.

2,154,048
PHONOGRAPH
Louis Z. La Forest, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 3, 1937, Serial No. 177,856
25 Claims. (Cl. 274—2)

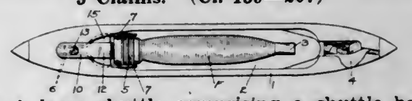


1. In a cabinet containing a phonograph and having open front and side portions for exposing respectively adjacent manipulative parts of said phonograph: movable closure means for said front portion; a slidably movable closure means for said side portion; and means for operating one of said closure means as an incident of operating the other.

2,154,049
CHLORINATION OF CYCLOHEXANE
Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1936, Serial No. 75,648
6 Claims. (Cl. 260—648)

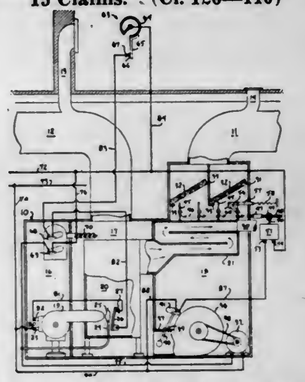
1. A process for preparing monochlorcyclohexane which comprises subjecting cyclohexane to the action of chlorine in the presence of anhydrous stannic chloride as a catalytic agent.

2,154,050
SHUTTLE
William E. Lundgren, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 17, 1938, Serial No. 225,403
5 Claims. (Cl. 139—207)



3. A loom shuttle comprising a shuttle body having opposed spring steel jaws therein, said jaws each comprising a shank portion rigidly fixed in said body, a bobbin-gripping end portion and a curved intermediate portion, and vibration damping means comprising a mass of non-metallic vibration absorbing material engaging said intermediate portions of said jaws

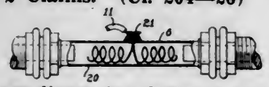
2,154,051
FILTER PROTECTION
William W. Martenis, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 24, 1938, Serial No. 186,565
15 Claims. (Cl. 126—110)



1. In a warm air heating system, in combination, means for heating air, means for enforcing circulation of air to and from said heating means, filter means for cleaning the circulating

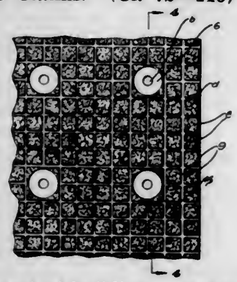
air exposed to heat from said heating means and means responsive to failure of the air circulation enforced by said circulation enforcing means for isolating said filter means from said heating means.

2,154,052
BEER DISPENSING DEVICE
Edgar G. Rolande, Pittsburgh, Pa., assignor to Al Pincus, Pittsburgh, Pa.
Application July 14, 1937, Serial No. 153,560
2 Claims. (Cl. 204—26)



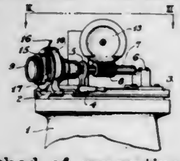
1. In a beer dispensing device, a metallic conduit for the flow of beer from the source of supply to a cooling coil, a conduit section of insulating material interposed therein, a silver electrode of substantial length wound to form spaced convolutions disposed entirely within the walls of the conduit, said electrode having a terminal extending through the wall of the conduit and electrically insulated therefrom and having electrical connections with the said terminal and the metallic flow conduit to form an electrical circuit through the beer flowing in the dispensing line.

2,154,053
ELEMENT OF BUILDING CONSTRUCTION
Joseph E. Schumacher, Van Nuys, Calif.
Application November 1, 1937, Serial No. 172,185
8 Claims. (Cl. 72—116)



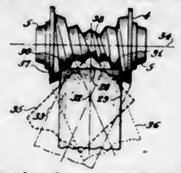
8. An element of building construction having faces and provided with an opening for reception of plastic material, said opening being of varied transverse dimensions, there being a recessed portion of the element about an outlet of said opening of relatively lesser dimension.

2,154,054
GENERATING CURVED SURFACES
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application August 27, 1931, Serial No. 559,722
6 Claims. (Cl. 51—278)



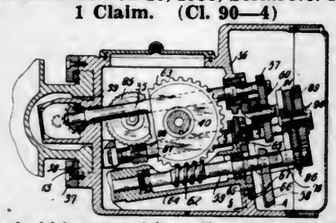
4. The method of generating helical involute gear faces which comprises mounting a work gear upon a spindle so that it may be translated axially and simultaneously rotated about its axis, positioning a cutting tool to bring a part of its surface into coincidence with the tooth of an imaginary rack having a pressure angle greater than zero which would mesh with the gear to be produced, translating said spindle and work gear axially, and simultaneously maintaining a point fixed with relation to the tool in coincidence with a helix about the axis of said work gear to impart a rotation to said work gear relative the cutting tool equivalent to the lead of the work gear.

2,154,055
METHOD OF MAKING POWER TRANSMITTING MEANS
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Original application April 12, 1935, Serial No. 16,054. Divided and this application July 15, 1936, Serial No. 90,746
5 Claims. (Cl. 51—278)



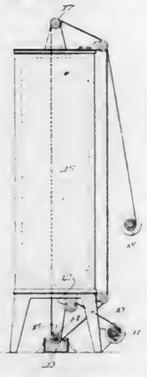
3. The method of generating surfaces which comprises arranging a tool having a cutting surface defining a straight line lying in a plane including the axis of a piece of work, relatively oscillating the tool and work about an axis normal to the said plane and remote from both the axis of the work and from said straight line, simultaneously rotating the work about its axis, correlating the oscillation of the tool and the rotation of the work at predetermined relative velocities, and causing the tool to form two intersecting helico-spiral surfaces upon the work.

2,154,056
HOBBING MACHINE
Otis E. Staples and Theodore F. Carlin, Cleveland, Ohio, assignors to The Cleveland Hobbing Machine Company, Cleveland, Ohio, a corporation of Ohio
Application March 10, 1938, Serial No. 195,062
1 Claim. (Cl. 90—4)



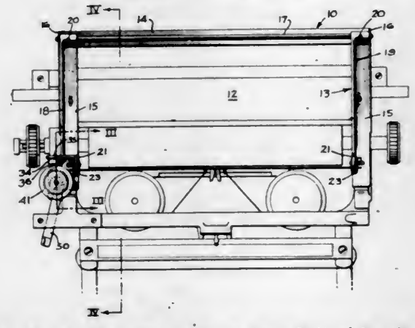
In a hobbing machine, the combination of a frame, a tool spindle rotatably supported by said frame, a work spindle rotatably supported by said frame, means for producing relative feed movement between said spindles, a shaft, means for rotating said spindles in timed relation, said last mentioned means comprising a positive drive connecting said spindles and including a worm wheel fixed to said work spindle and a worm fixed to said shaft and in mesh with said worm wheel, a cradle member for supporting said worm, means for rotatably supporting both ends of said shaft in said cradle member, means for rotatably supporting said cradle member in said frame for adjustment about an axis eccentric to the axis of rotation of said shaft, said cradle member having a flange adjacent to one end thereof, and a clamp ring surrounding said flange and cooperating therewith to fixedly secure said cradle member in said frame.

2,154,057
METHOD OF COATING
Raymond Henry Thielking, Amsterdam, N. Y., assignor to Schenectady Varnish Company, Schenectady, N. Y., a corporation of New York
Application July 25, 1938, Serial No. 221,255
22 Claims. (Cl. 91—70)



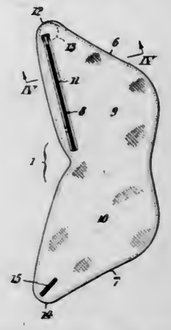
1. The method of forming an insulating coating on wire which comprises continuously coating the same with a baking varnish containing a polyvinyl acetal resin and a viscosity controlling ingredient of a character and in an amount to control viscosity of the coating during initial stages of baking, and baking the coating and during initial stages of baking maintaining viscosity of the coating to a point sufficiently low to permit enough self-flow to distribute the varnish evenly and form under continued heating a hard, smooth, coating of uniform thickness about the wire.

2,154,058
ATTACHMENT FOR TYPEWRITERS
Frederick W. Vollans, Orillia, Ontario, Canada, assignor to Frank F. Barber, Toronto, Ontario, Canada
Application September 9, 1936, Serial No. 99,970
9 Claims. (Cl. 197—126)



9. An attachment for a typewriter having a carriage and a line space lever therefor, said attachment comprising a holder, a transfer strip carried thereby, pivoted arms for movably supporting said holder, mechanism including a circular cam having an undulating peripheral groove for raising and lowering said arms and said holders, and means engageable by the typewriter line space lever for imparting movement to said cam upon actuation of the line space lever.

2,154,059
ARTICLE OF APPAREL
Edith F. Alexander, Haverford, Pa.
Application February 1, 1938, Serial No. 188,036
4 Claims. (Cl. 2—196)



1. A combination handbag and head covering comprising a fabric band of length and width to encircle the head and afford substantial coverage therefor, and having in its thickness a pocket with an access opening thereto; and cooperative securing devices at the opposite ends of said band for joining said ends together, either to hold the band around the head as a covering, or to form a sling to be worn over the arm as a handbag.

2,154,060
FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS
Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1936, Serial No. 86,154
Renewed January 12, 1938
19 Claims. (Cl. 198—220)



1. A loading attachment for a shaker conveyer comprising an extensible trough section supported so that its entire weight rests on the ground independently of the conveyer and adapted to form a support for a reciprocatory trough section attached to the end of the conveyer, and a friction gripping connection between said reciprocatory trough section and said extensible trough section, including a pair of friction grip blocks and a connection between said reciprocating trough section and friction grip blocks for engaging said grip blocks with and disengaging said grip blocks from said extensible trough section during certain strokes of the conveyer operable solely by reciprocable movement of the conveyer due to resistance of said extensible trough on the ground for extending or retracting said extensible trough with respect to said reciprocatory trough.

2,154,061

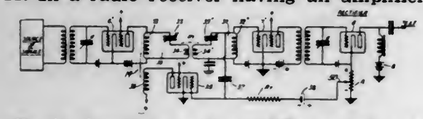
AUTOMATIC FIDELITY CONTROL CIRCUITS

Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Original application July 29, 1933, Serial No. 682,743. Divided and this application January 9, 1935, Serial No. 1,005

12 Claims. (Cl. 179—171)

11. In a radio receiver having an amplifier, a



feedback circuit in said amplifier, a relay tube connected to said circuit and controlling said feedback, and means responsive to the amplifier output energy for controlling said relay tube in accordance with signal strength, whereby the selectivity of said amplifier is altered.

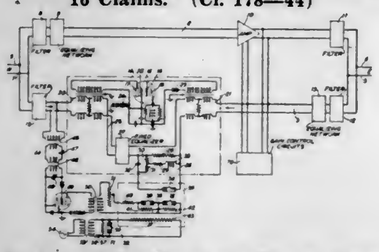
2,154,062

GAIN CONTROL CIRCUITS

Roy W. Chesnut, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 5, 1937, Serial No. 157,498

16 Claims. (Cl. 178—44)



1. In a regulator for controlling a characteristic of a circuit, an oven, means comprising a control element in said oven having a high temperature coefficient of resistance for controlling said characteristic of the circuit, a heater in said oven having a regulating characteristic and comprising resistance elements arranged in series and parallel circuit relation, the resistance elements of said heater having different rates of resistance variations with temperature changes for obtaining a complex heater that varies in resistance with temperature changes to effect a regulating operation and means controlled according to the characteristic of said circuit for energizing said heater to heat said control element according to the heater characteristic and maintain the circuit characteristic constant with precision.

2,154,063

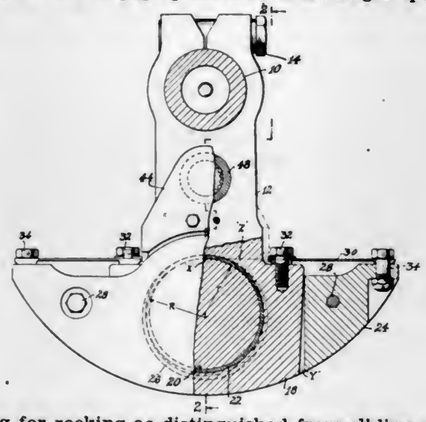
ROCKING DYNAMIC DAMPER WITH FLOATING PIN SUPPORT

Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York

Application July 8, 1937, Serial No. 152,492

16 Claims. (Cl. 74—604)

1. In combination with a crankshaft member and a counterweight member, one embracing the other, having a single opening formed in each member, the opening in one member being substantially bigger than that in the other, a single cylindrical cross pin comprising a rocker block closely fitted to the wall of the smaller opening and loosely engaging the wall of the larger open-



ing for rocking as distinguished from sliding action, and flexible means connecting said members to suppress relative sliding therebetween.

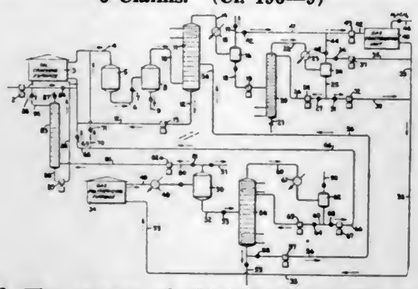
2,154,064

MANUFACTURE OF GASOLINELIKE HYDROCARBONS

Horace B. Cooke, Greenwich, Conn., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware

Application October 31, 1935, Serial No. 47,540

6 Claims. (Cl. 196—9)



3. The process of obtaining low-boiling normally liquid gasoline-like products from hydrocarbon oil which comprises subjecting such oil to elevated temperature and pressure effective to crack the same, fractionating the cracked products to recover products heavier than gasoline, fixed gases and products intermediate in boiling range between the fixed gases and gasoline, separately subjecting said intermediate products to elevated pressure and temperature effective to cause a maximum degree of polymerization to normally liquid low-boiling hydrocarbons, separately separating the products of polymerization into normally liquid gasoline-like products, fixed gases and intermediate material, introducing said normally liquid products to the stream of cracked products including said gasoline-like products undergoing fractionation, scrubbing said fixed gases from said polymerization products under pressure with at least a portion of the oil charged to the cracking operation prior to said cracking operation whereby hydrocarbons having from two to four carbon atoms per molecule are separated from hydrogen and methane by being absorbed in said oil, introducing at least a portion of said separately obtained last-mentioned intermediate material directly into the stream of hydrocarbon oil undergoing cracking and conversion whereby said hydrocarbons having from two to four carbon atoms per molecule absorbed in the oil charged to the cracking operation and said intermediate material introduced directly into said oil are caused to undergo conversion and polymerization to normally liquid products in the presence of the hydrocarbon oil undergoing cracking and conversion.

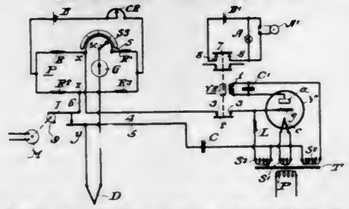
2,154,065

ELECTRICAL MEASURING SYSTEM

Elwood T. Davis, Upper Darby, and Felix Wunsch, Philadelphia, Pa., assignors to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 7, 1935, Serial No. 35,062

33 Claims. (Cl. 236—70)



21. A measuring system comprising a galvanometer and a thermocouple for detecting changes in temperature, temperature-regulating means operating in response to deflections of said galvanometer, a tube, supervisory means in the output system of said tube responsive to reduction of the anode current thereof below a predetermined magnitude, and means for normally maintaining the anode current of said tube in excess of said magnitude comprising connections for including said galvanometer and said thermocouple in the input system of said tube.

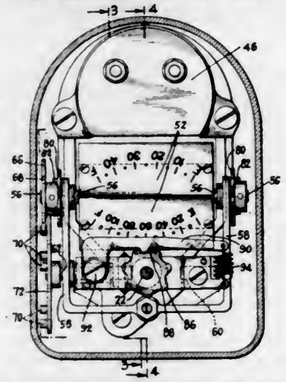
2,154,066

CONTENTS GAUGE FOR PLURALITY OF TANKS

Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application September 25, 1936, Serial No. 102,458

12 Claims. (Cl. 73—301)



1. In an instrument for indicating the liquid contents of a number of tanks of various sizes and dimensions, a chart for each of said tanks, an electric device controlled by the level of liquid in each of said tanks, an electrically-controlled indicator, a key movable to indicate any selected tank and effective to simultaneously establish a circuit through said indicator and the electric device of said selected tank, and means simultaneously controlled by said movable key for placing the chart for the selected tank in operative relationship with the indicator.

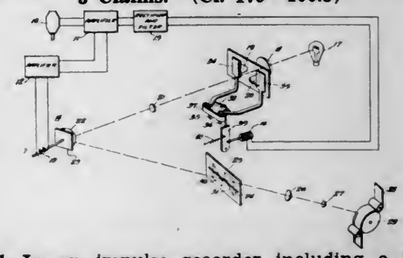
2,154,067

SOUND RECORDING SYSTEM

Glenn L. Dimmick, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 20, 1937, Serial No. 137,905

3 Claims. (Cl. 179—100.3)



1. In an impulse recorder including a light slit, means for producing a light beam and means for vibrating said beam across said slit in accordance with impulses to be recorded, the combination of means forming a pair of oppositely disposed trapezoidal apertures arranged to define the shape of a pair of such beams, and shutter means operable to vary the size of said apertures in accordance with the volume of said impulses.

2,154,068

ELECTRICAL CONTACT

William C. Ellis, Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application April 30, 1938, Serial No. 205,360

5 Claims. (Cl. 200—166)

1. An electrical contact material containing from 90 to 99 per cent. silver and from 10 to 1 per cent. tin.

2,154,069

CERAMIC BODY

Albra H. Fessler, Flint, Mich., and Hans Navratiel, Lauf, near Nuremberg, Germany

No Drawing. Application December 26, 1935, Serial No. 56,234. In Great Britain December 17, 1928

2 Claims. (Cl. 106—11)

1. A porcelain body for use as an electrical insulator formed by firing to vitrification a mixture of raw clay and non-plastic material formed by fusing a ceramic batch consisting of approximately 90% alumina, 4% clay, 3% lithium oxide, and 3% magnesium oxide.

2,154,070

ELECTRICAL COIL

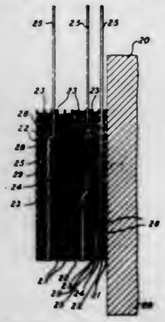
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 16, 1936, Serial No. 90,874

3 Claims. (Cl. 175—21)

1. In an electrical coil having means to support a winding and a plurality of turns of conductor strand forming a layer of winding on

the winding supporting means, a lamina of insulating material adhesive on both sides and extending over and in contact with a portion only of the turns of the layer, a turn of the layer extending over the lamina in contact therewith, a tap member connected to the last named turn and extending over the lamina in contact therewith, a second lamina of insulating material adhesive on both sides and extending over and in contact with the first lamina and the last



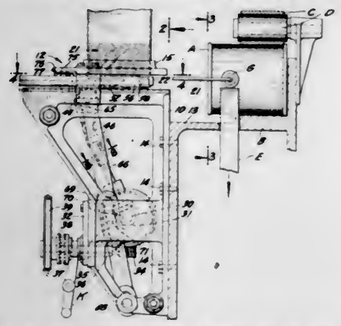
named turn and the tap member, and a second portion of the turns of the layer extending over and in contact with the second lamina, the parts being so disposed and proportioned that each of the laminae is over some of the turns of the tapped layer and under some thereof and the tapped turn and the tap member are substantially immovably held between the two laminae and insulated thereby from the remainder of the coil.

2,154,071

MACHINE FOR ATTACHING BAILS TO CANS

Thomas J. Gorman, Jr., Newark, N. J.

Application June 10, 1937, Serial No. 147,471
8 Claims. (Cl. 140—93)



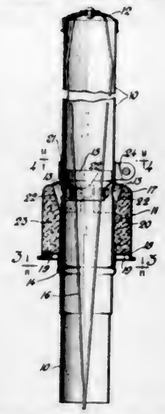
1. In a machine for affixing bails or handles upon cans or like containers, said machine having means therein for storing a plurality of said bails, said storing means having means in conjunction therewith for releasing and delivering one of said bails at a time to reciprocally operating arm means for affixing said bail upon a can, said reciprocally operating arm means contained in said machine, a plurality of said cans being conveyed and fed into said machine and discharged therefrom after said bails shall have been affixed upon said cans, and tripping means in said machine for stopping the operation of said machine when said cans have ceased to be delivered therein, said tripping means being released upon the resumption of the delivery of said cans to the machine aforesaid.

2,154,072

CRANKCASE BREATHER AND OIL FILLER PIPE ASSEMBLY

Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 12, 1936, Serial No. 100,540
10 Claims. (Cl. 121—194)



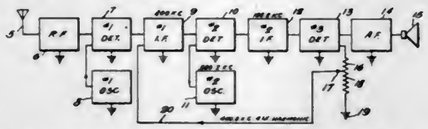
1. In an internal combustion engine, a crankcase breather in which there is included a hollow structure into which vapors from the crankcase may rise, and a breather orifice in the hollow structure so disposed that there is beyond it in the direction of travel of vapors from the crankcase a chamber of such capacity that condensation of vapors from the crankcase to the extent necessary to obviate material loss thereof through the breather orifice may occur therein.

2,154,073

CONTINUOUS WAVE SIGNAL RECEIVING SYSTEM

Winfield R. Koch, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1936, Serial No. 118,635
8 Claims. (Cl. 250—8)



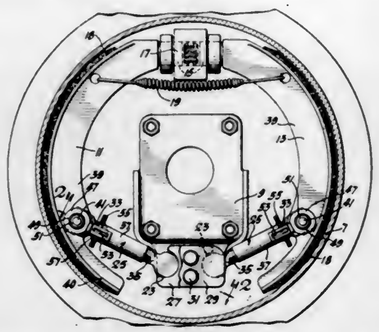
1. A receiving system for continuous wave signal impulses comprising, in combination, means for producing an intermediate frequency signal in response to received high frequency continuous wave signals, means connected with said first named means for receiving and heterodyning said intermediate frequency signals to produce a second intermediate frequency signal which has a frequency which is slightly different from that of a sub-multiple of the first intermediate frequency signal, means including a detector connected with said second named means for deriving a harmonic of the second intermediate frequency, means providing a signal amplifying channel for said receiving system including an intermediate frequency amplifier tuned to said first intermediate frequency and said harmonic frequency, and means for deriving a beat note from said harmonic frequency and first intermediate frequency signals.

2,154,074

BRAKE

Olaf Rasmussen and Gilbert K. Hause, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 29, 1937, Serial No. 166,247
1 Claim. (Cl. 188—79.5)



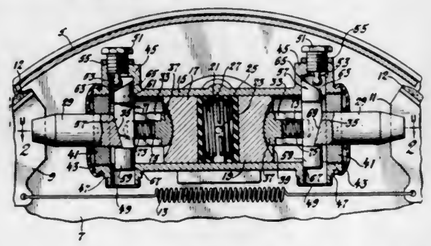
A brake mechanism comprising a fixed backing plate, a rotatable drum, a pair of shoes to engage the drum, floating applying means between one pair of adjacent ends of said shoes, means to anchor said shoes on said backing plate, said anchoring means consisting of links pivoted to said backing plate and to said shoes, the pivotal connection with said shoes being between their centers and their opposite ends, said links being adjustable in length, together with yielding means effecting frictional drag adjacent the pivotal connection between each link and the shoe, an element through which said yielding means operates as stated, said element also functioning in addition thereto to retain said links in selected positions of adjustment.

2,154,075

AUTOMATIC ADJUSTMENT DEVICE FOR BRAKES

Walter W. Riedel, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 5, 1937, Serial No. 172,889
10 Claims. (Cl. 188—79.5)



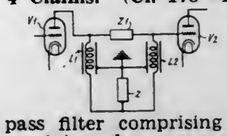
1. In combination, a push rod, means to reciprocate said push rod from an inactive to an active position, a plunger mounted to move bodily with said push rod and also across the path thereof, said push rod and plunger having cooperating sloping faces, spring means to hold said faces in contact, an abutment adapted to be engaged by said plunger when moved jointly with the push rod to its inactive position, and adjustable means to engage and reciprocate said plunger along said sloping faces to determine changed inactive positions of the push rod.

2,154,076

FILTER CIRCUITS

Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1936, Serial No. 67,770
In Great Britain March 16, 1935.
4 Claims. (Cl. 178—44)



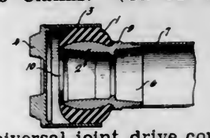
1. Band pass filter comprising two artificial lines of lumped impedance arranged in series, each artificial line being an odd multiple of one-quarter wavelength long, an impedance connected to the junction point of said lines, the free ends of said lines presenting high impedance, whereby said filter transfers a band of frequencies efficiently from one free end to the other, each of said artificial lines being composed of a coil within a metallic shield, said shield being connected to a point of fixed alternating current potential.

2,154,077

UNIVERSAL JOINT

Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 28, 1937, Serial No. 145,178
3 Claims. (Cl. 64—11)



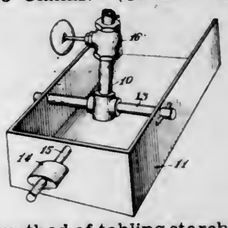
3. In a universal joint drive coupling for connecting driving and driven shafts arranged end to end, an inner member rigid with one of the shafts and having a peripheral flange axially spaced from the end thereof, a rubber ring surrounding said member and being vulcanized thereto with one side bearing against said flange and the other side having an inturned annular lip overlapping the end of the member, and a tubular outer member rigid with the other shaft and embracing said rubber ring in concentric relation to the inner member, said rubber ring being vulcanized to the tubular member and being held throughout its axial extent under radial compression through the over-all contraction of the tubular member after assembly.

2,154,078

METHOD OF TABLING MILL STARCH

Emerson F. Schroeder, Pekin, Ill., assignor, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application December 29, 1937, Serial No. 182,376
3 Claims. (Cl. 127—69)



3. In the method of tabling starch, the improvement which consists in delivering the mill starch

to the table head in intermittent charges at a velocity and rate and in an amount substantially corresponding to two quarts of 10.5° to 12° Baumé mill starch every fifteen seconds to form a wave extending approximately 40 feet on a starch table 120 feet long, 27 inches wide and having a pitch of five inches.

2,154,079

CATALYST AND METHOD OF PRODUCING IT

John Morris Weiss, New York, N. Y., assignor to Calorider Corporation, Greenwich, Conn., a corporation of Connecticut

No Drawing. Application October 20, 1936, Serial No. 106,572
9 Claims. (Cl. 23—234)

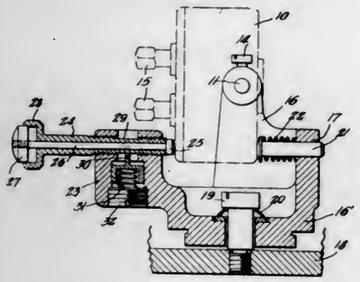
7. A catalyst for the vapor phase partial oxidation of aromatic hydrocarbons, comprising catalytically inert material selected from the group of silica and alumina, bonded by alkali-free silica regenerated from ethyl silicate and coated with vanadium oxide.

2,154,080

GALVANOMETER MOUNT FOR SOUND RECORDING APPARATUS

Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application June 18, 1938, Serial No. 214,510
4 Claims. (Cl. 248—278)



1. A galvanometer mount including means for supporting a galvanometer for rotation about a horizontal axis, spring means urging the galvanometer in one direction about said axis, adjusting means opposing said spring means and maintaining said galvanometer in fixed position, and movable means carried by said adjusting means and abutting thereagainst for moving said galvanometer away from said adjusting means.

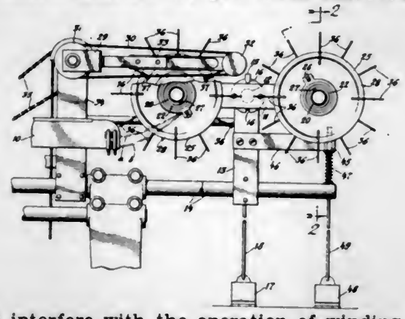
2,154,081

MACHINE FOR MAKING AIR CLEANER FILTER UNITS

Joseph A. Anderson and Logan G. Hunt, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 15, 1937, Serial No. 130,972
9 Claims. (Cl. 242—1)

1. In winding mechanism, a member around which a body may be wound, means mounted on the member for confining the body circumferentially after it is wound movable to a position in which it does not interfere with the operation of winding the body around the member, and means mounted on the member for holding the first mentioned means in the position in which it does



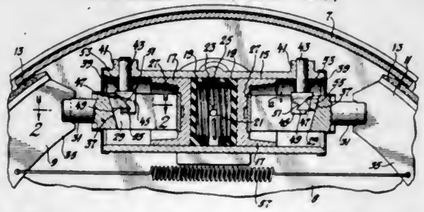
not interfere with the operation of winding the body around the member.

2,154,082

AUTOMATIC WHEEL CYLINDER ADJUSTMENT DEVICE FOR BRAKES

John A. Baker, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 5, 1937, Serial No. 172,896
12 Claims. (Cl. 188—79.5)



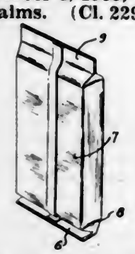
1. In a brake, a drum, a shoe, yielding shoe retracting means, applying means, a push rod with a sloping surface, said push rod being between and in contact with said shoe and said applying means, wedge means having a sloping surface in contact with the said sloping surface of said push rod, a spring operable to move said wedge means along said surface to effect a changed release position for said shoe, and stop means to limit the movement of the wedge means in the direction of movement of the push rod.

2,154,083

CONTAINER

Robert M. Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, trustees

Application October 4, 1935, Serial No. 43,570
6 Claims. (Cl. 229—53)



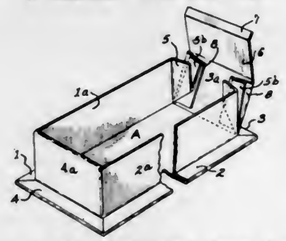
5. A bag for the purpose described made from paper or the like having a flexible thermoplastic coating on a surface thereof, and a secondary thermoplastic coating superposed over said first-mentioned coating, said secondary coating having a melting point lower than the melting point of the first-mentioned coating, wherein at least one seam is formed between overlapped surface portions by fusion of said primary coatings to each other through the intervening secondary coatings.

2,154,084

EXTENSION EDGE BOX

Samuel Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, Cincinnati, Ohio, as trustees

Application October 7, 1937, Serial No. 167,789
3 Claims. (Cl. 229—34)



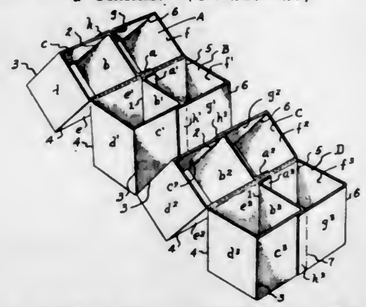
1. A box in flat or knocked-down form having a main body portion and side and end walls connected thereto by intermediate panels to constitute extension edges, said intermediate panels being adhered to adjacent parts of the main body panel to constitute extension edges for the completed box, said side walls having corner flaps attached thereto, the said end walls having frictional engaging overlapping flaps attached to the outer edges thereof, and reinforcing tabs connected by lines of fold to the side edges of said end walls and folded in upon said end walls, the said corner flaps being divided by a diagonal fold and the outer portions thereof secured to the said reinforcing tabs on the end walls.

2,154,085

DIVIDING LINER FOR CARTONS AND METHOD OF MAKING SAME

Robert Morris Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, trustees, both of Cincinnati, Ohio

Application March 9, 1938, Serial No. 194,893
4 Claims. (Cl. 217—23)



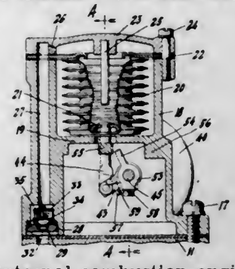
1. A dividing liner comprising a flat folded tubular structure wherein two opposite walls have alternate crease lines at spaced transverse intervals and lines of transverse severance in all remaining walls substantially continuous with each of said crease lines, and wherein a compartment wall extends across the structure subdividing each compartment into at least two cells.

2,154,086

AUTOMATIC CHOKE VALVE

Jesse E. Eshbaugh, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 24, 1934, Serial No. 754,591
8 Claims. (Cl. 261—39)



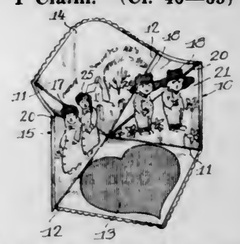
5. In an internal combustion engine, a carburetor, a choke valve which may be moved toward its open position by the flow of air thereby into the carburetor, a passage which connects the carburetor with the engine, a pressure-responsive element, a passage which communicates with the pressure-responsive element and the first-mentioned passage, a valve mechanism so designed that decreases in pressure in the first-mentioned passage are sluggishly and increases in pressure in the first-mentioned passage are rapidly transmitted to the pressure-responsive element through the second-mentioned passage, and a thermostat which may move freely in the direction in which it tends to move when its temperature rises connecting the pressure responsive element to the choke valve.

2,154,087

DISPLAY DEVICE

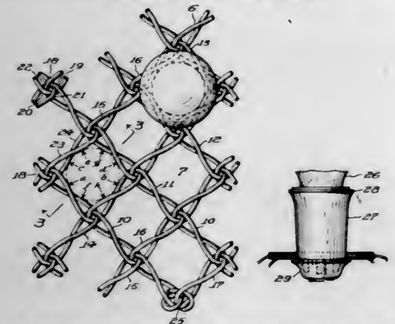
Jack O. Fawcett, Chicago, Ill., assignor to Gartner and Bender, Inc., Chicago, Ill., a corporation of Illinois

Application August 31, 1938, Serial No. 227,661
1 Claim. (Cl. 46—35)



A display device made of a continuous sheet creased along mutually meeting lines to form four sections, one of said sections forming a base, the opposite section having a pictorial representation thereon forming a background, and the two sections on opposite sides of said background section being creased along their respective bisecting lines so as to form two triangular subsections at each side of said background section, each of said sub-sections farthest removed from the background section having a pictorial representation thereon including one or more portions of figures extending beyond the respective bisecting crease line thereof, said extended portions of said figures being cut from their respective sub-sections so as to stand in silhouette above said bisecting crease lines and spaced forwardly of said background section when said sheet is in partially unfolded position and resting on said base section.

2,154,088
ADVERTISING SIGN
Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, a corporation of New Jersey
Application October 1, 1937, Serial No. 166,743
4 Claims. (Cl. 40—130)



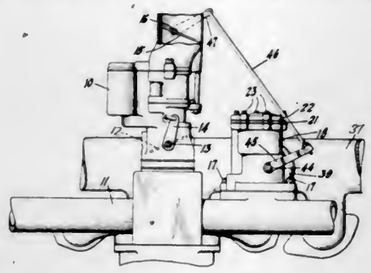
1. A sign comprising a support made of wire fabric, the opposite faces of which are substantially spaced from each other and are provided with openings arranged in rows extending in directions substantially at right angles, each opening in each face being in alinement with a corresponding opening in the opposite face and having the boundary thereof formed of resilient sections of the strands of the fabric, and a plurality of illuminating elements supported in certain of said alined openings to form a pre-determined design, each of said elements having means thereon for engagement with said resilient sections in both faces of the support for retaining the element against movement with respect to the support.

2,154,089
PRINTING INK
Endocen H. Hillman, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 5, 1935, Serial No. 48,443
5 Claims. (Cl. 260—23)

1. A printing ink which spreads evenly and has substantially no tendency to dry on printing press rolls comprising a printing ink coloring material and an isobutylene polymer having a molecular weight of from about 1,000 to about 12,000 as a binder.

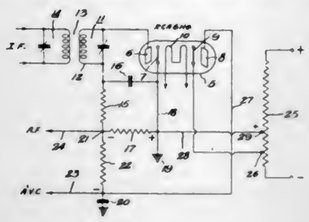
2,154,090
AUTOMATIC CHOKE VALVE
Russell F. Holmes and Lester M. Crabb, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 25, 1935, Serial No. 12,999
9 Claims. (Cl. 123—119)

1. In an internal combustion engine, a carburetor in which there is incorporated a choke valve, a passage through which combustible mixture is conducted from the carburetor to the engine, an element which is movable in response to variations in the pressure within the mentioned passage and is so arranged that its movement in response to a decrease in the pressure within the mentioned passage tends to result in movement of the choke valve toward its open position, a yielding thermosensitive element operatively interposed between the first-mentioned element and the choke valve, and means for positively transmitting movement of the first-mentioned element to the choke valve so that the choke valve will be positively opened to a position at which the engine will be supplied with a combustible mixture of such richness that it will idle properly



when it is cold by the time the first-mentioned element reaches the limit of its movement in the direction in which it tends to move in response to a decrease in pressure within the mentioned passage.

2,154,091
BIAS POTENTIAL SUPPLY SYSTEM
Poul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 28, 1936, Serial No. 71,361
11 Claims. (Cl. 250—20)

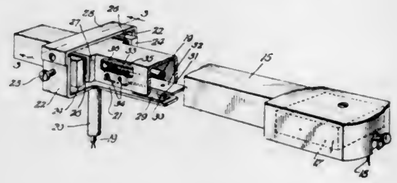


10. A bias control system for radio receiving apparatus and the like including a common cathode return circuit, comprising in combination a diode rectifier, means providing a source of fixed potential, means providing a source of variable potential, means for causing said last named potential to vary in response to signal strength variations, said potential sources having positive terminals directly connected with said common cathode return circuit for said apparatus and having negative terminals interconnected through said diode rectifier, and a circuit for deriving a biasing potential therefrom, connected with said diode rectifier and said cathode return circuit.

2,154,092
PROCESS OF FLOTATION CONCENTRATION OF ORES
John Edward Hunt, Jackson, Calif.
No Drawing. Application March 12, 1937, Serial No. 130,529
7 Claims. (Cl. 209—167)

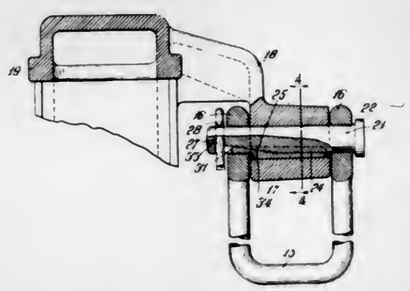
1. In the process of concentrating ores containing carbonaceous substances associated with gangue minerals by flotation, the steps which comprise treating carbonaceous ore pulp with a reducing gas, and subjecting said pulp to froth flotation concentration.

2,154,093
PHONOGRAPH
William H. Hutter, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application January 25, 1937, Serial No. 122,153
4 Claims. (Cl. 274—23)



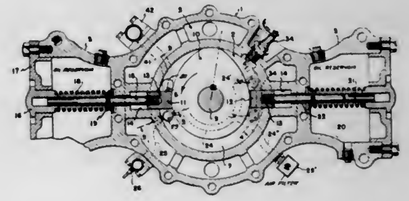
4. The combination with a playing arm of a phonograph comprising a member swingable on a vertical axis and having a pair of vertical supporting members spaced laterally of each side of a rear portion of said arm and means interposed between the sides of said arm and the respective vertical supporting members for pivotally attaching the arm to said supports for movement on a horizontal axis comprising a pair of vibration insulating members each provided with retainer members at the ends thereof, the retainer members of each insulating member being spaced apart by unconfined intermediate portions of the respective insulating members whereby the transmission of said vibrations from said supporting members to said arm are inhibited.

2,154,094
BRAKE BEAM HANGER PIN AND ADAPTER
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 18, 1936, Serial No. 59,799
7 Claims. (Cl. 85—4)



1. A brake beam hanger pin and adapter comprising an elongated pin member provided at one end with a head while the opposite or tail end is provided with a transverse aperture, the pin on one side being provided with a pair of elongated sockets or cut away portions arranged in parallel spaced relation lengthwise of the pin and terminating on opposite sides of said aperture so as to provide a rib therebetween extending lengthwise and tapering toward the tail end of the pin and terminating forward of said aperture; and an adapter plate provided with an arcuate outer face while the opposite longitudinal face is grooved to receive the rib on the pin member while the longitudinal faces of the plate on opposite sides of said groove match the sockets in the pin and terminate short of one end of the adapter plate and provide transverse shoulders adapted to engage the ends of the sockets, said adapter plate being adapted to slide lengthwise of the pin, one end of the adapter having an aperture arranged to register with the aperture in the tail end of the pin; the pin and adapter plate having correlated engaging faces.

2,154,095
INTERNAL COMBUSTION ENGINE
Frederick W. Jones, Milwaukee, Wis.
Application November 17, 1936, Serial No. 111,245
5 Claims. (Cl. 123—14)

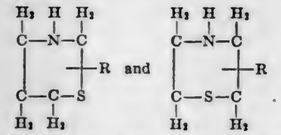


1. A rotary internal combustion engine comprising, a stationary casing provided with an annular compartment, a shaft journaled in said casing axially of said compartment, a rotor secured on said shaft within said compartment, a pair of opposed reciprocative abutments operable in said compartment and cooperating with said rotor to provide separate compression and expansion chambers, said compression chamber having a fuel mixture inlet port and said expansion chamber having an exhaust outlet, a fuel mixture storage compartment having an inlet communicating with the compression chamber and an outlet communicating with the expansion chamber, said storage compartment serving to receive the fuel charge from the compression chamber and deliver the same to the expansion chamber, means for igniting the charge in the expansion chamber, and independent valves for controlling the fuel mixture inlet port and the storage compartment inlet and outlet to successively provide for expansion, intake, exhaust, and compression, during two complete revolutions of the rotor.

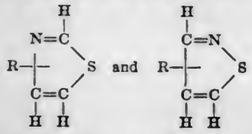
2,154,096
LUBRICATING OIL
Clarence M. Loane, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 16, 1936, Serial No. 111,084
7 Claims. (Cl. 87—9)

1. The method of preventing corrosion of bearing metal alloys having the corrosive susceptibility of alloys of the group consisting of cadmium-silver alloys, cadmium-nickel alloys, and copper-lead alloys, in the presence of highly refined lubricating oils normally corrosive to said bearings in internal combustion engines which comprises adding to said lubricating oils in a small but sufficient proportion to substantially retard said corrosion a monovalent radical substituted heterocyclic organic compound selected

from the group consisting of thiazines having the general formula



and thiazoles having the general formula



in which R is a radical selected from the group consisting of alkyl, aryl, aralkyl, amino, amino alkyl, mercapto, alkyl mercapto and aryl mercapto radicals.

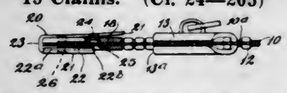
2,154,097
LUBRICATING OIL
Clarence M. Loane, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 27, 1936 Serial No. 112,993
3 Claims. (Cl. 87—9)

1. The method of preventing corrosion of bearing metal alloys selected from the group consisting of cadmium-silver alloys, cadmium-nickel alloys and copper-lead alloys in the presence of highly refined lubricating oils normally corrosive to said bearing metal alloys in internal combustion engines which comprises adding to said lubricating oils a mercapto benzothiazole in a small but sufficient quantity to effect the retardation of said corrosion to said bearing metal alloys.

2,154,098
EXTREME PRESSURE LUBRICANT
Clarence M. Loane and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 16, 1937, Serial No. 159,371
6 Claims. (Cl. 87—9)

2. An extreme pressure lubricant comprising a mineral lubricating oil and a small amount of an organic compound selected from the group consisting of halogenated organic borates having the general formula $(MX)_3B$ and the halogenated organic meta borates having the general formula $(MX)B{=}X$ in which M is a substituent selected from the group consisting of a halogenated alkyl radical, halogenated aryl radical and a halogenated aralkyl radical, and X is an element selected from the group consisting of oxygen and sulfur.

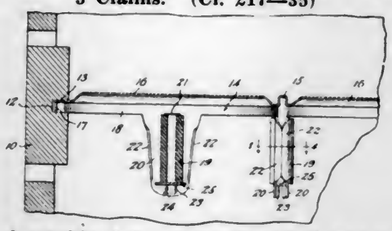
2,154,099
DETACHABLY COUPLED END STOP
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application May 8, 1936, Serial No. 78,604
15 Claims. (Cl. 24—205)



15. In fasteners employing stringers with a slider movable longitudinally of the stringers to couple and uncouple the same, an end stop at one end of the stringers, said end stop comprising detachably coupled pin and socket parts, the socket part being secured to one stringer and the pin part secured to the opposed stringer, the socket part having a channel arranged longitudinally thereof outwardly of said stringer to receive said pin part in coupling the stringers together, the channel of said socket part having a yieldable outer wall, a coupling element on said yieldable wall adapted to engage the slider for retaining the slider against detachment from said socket part when the pin part is detached, and interengaging means on the pin part and the yieldable wall of said socket part for retaining the pin part against displacement from the socket part when the slider is removed from the end

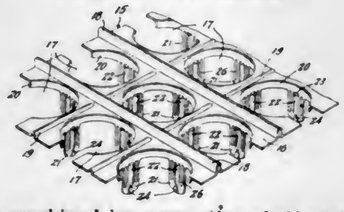
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2,154,100
BOTTLE CRATE
John F. Maurer, Jr., North Bergen, N. J.
Application April 7, 1937, Serial No. 135,460
3 Claims. (Cl. 217—35)



1. A combined ice supporting shelf and bottle partitioning member for bottle crates, comprising a single unitary panel of sheet material, cut, bent and formed to provide a plurality of bottle receiving openings, vertically slotted fingers depending from and circumferentially spaced about said openings with adjacent fingers of adjacent openings disposed in parallel mating relation, means at the opposite edges of said mating fingers for spacing the same from each other, means for connecting the fingers at their lower ends, and cylindrical resilient elements of greater diameter than the width of the slots and the spacing of the mating fingers mounted between said mating fingers with diametrically opposite portions thereof protruding through the slotted portions of the fingers and extending inwardly beyond the edges of the openings.

2,154,101
BOTTLE CRATE
John F. Maurer, Jr., North Bergen, N. J.
Application November 19, 1937, Serial No. 175,405
5 Claims. (Cl. 217—35)



4. A combined ice supporting shelf and bottle partitioning member for bottle crates fashioned from a single sheet of material, cut, bent and formed to provide a horizontal panel having longitudinal and transverse rows of bottle receiving

openings. upwardly offset continuous ribs extending transversely of the panel between the transverse rows of bottle receiving openings, upwardly offset ribs extending longitudinally of the panel between the longitudinal rows of bottle receiving openings and located between the transverse ribs, downturned continuous annular flanges at the edges of the portions of the panel defining the openings, vertically slotted depending fingers integral with the flanges and circumferentially spaced with reference to the openings, vertically extending offset ribs on said fingers at opposite sides of the finger slots, the adjacent pairs of fingers of adjacent openings being disposed in parallel mating relation and secured together at their lower ends, and yieldable elastic buffer elements clamped between each pair of mating fingers with opposite portions of said buffers protruding from the finger slots and projecting inwardly beyond the peripheries of the openings.

2,154,102
METHOD OF MANUFACTURING PEN POINTS, AND SHEET STOCK THEREFOR
Lucifer J. Most, Arlington, N. J., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application March 31, 1934, Serial No. 718,384
4 Claims. (Cl. 113—32)



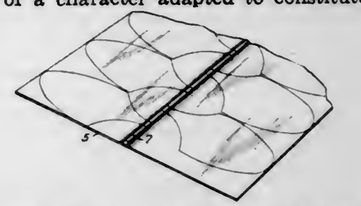
3. A sheet stock adapted to be manufactured into pen points comprising a relatively broad area of thin, resilient metal adapted to constitute the bodies of the pen points, and a narrow stripe of relatively harder metal adapted to constitute the final writing tips of the pen points rigidly secured to the said area.

4. The method of manufacturing pen points having relatively hard metal writing tips comprising providing a sheet stock in the form of a sheet of metal adapted to become the body of the pen point with a stripe of relatively harder metal adapted to become the final writing tip of the pen point secured thereto, blanking the pen point from said stock in such manner that the body thereof is taken from said sheet metal and the writing tip is simultaneously taken from said stripe metal, and thereafter merely shaping, slitting, and polishing the writing tip in order to bring it to final, usable form.

2,154,103
SHEET STOCK AND THE MANUFACTURE OF PEN POINTS
Lucifer J. Most, Arlington, N. J., assignor, by mesne assignments, to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application December 24, 1935, Serial No. 56,038
8 Claims. (Cl. 113—32)

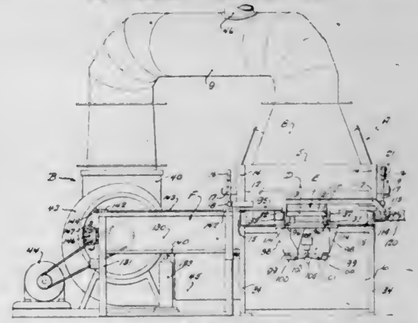
1. A sheet stock for the manufacture of pen points comprising a relatively broad area of a metal of a character adapted to constitute the body of the pen points and a wire of another metal of a character adapted to constitute the tip of the pen points rigidly secured along the face of said broad area of metal.

4. A sheet stock for the manufacture of pen points comprising a relatively broad area of a metal of a character adapted to constitute the body of the pen points and a wire of another metal of a character adapted to constitute the



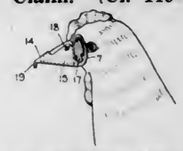
tip of the pen points rigidly secured along the face of said broad area of metal, said wire being beaded along its length.

2,154,104
APPARATUS FOR BAKING RADIATOR CORES
Hans S. Munch and Martin G. Boerger, Racine, Wis., assignors to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 16, 1936, Serial No. 101,102
13 Claims. (Cl. 113—59)



1. In an apparatus for baking radiator cores of a wide variety of sizes, a baking oven having a cross sectional area sufficiently large to accommodate the largest size of the core for which the oven is designed, means for inducing a flow of heated gases through the oven, means for supporting a core to be baked within the oven crosswise of said current of heated gases, a plurality of adjacent baffles extending across the oven between the core supporting means and the inlet for heated gases, means mounting said baffles for adjustment to and from positions blocking the flow of gases so that a plurality of baffles may be adjusted to substantially close the cross sectional area of the oven in excess of that of the core to thereby concentrate the flow of heated gases onto the core, and means operable exteriorly of the oven for adjusting the baffles.

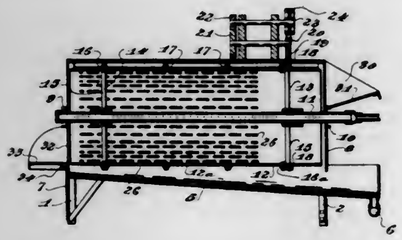
2,154,105
MASK FOR FOWL
Hyman Nadler, Brooklyn, N. Y.
Application May 13, 1938, Serial No. 207,692
1 Claim. (Cl. 119—97)



A device of the character described, comprising

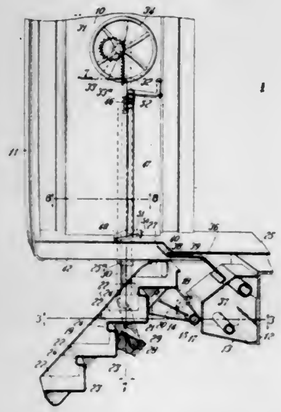
a member adapted to rest on the beak of a fowl, a pin for holding said member in position on the beak, eye pieces, having transparent colored material, integral with said member and a projection on said member, the construction and arrangement of said projection being such that when it makes contact with a surface it causes said member to pivot about said pin raising said member and simultaneously lowering the eye pieces out of the vision of the fowl.

2,154,106
VEGETABLE WASHING MACHINE
Paul Nicosia, Fairport, N. Y.
Application October 28, 1936, Serial No. 108,047
1 Claim. (Cl. 146—201)



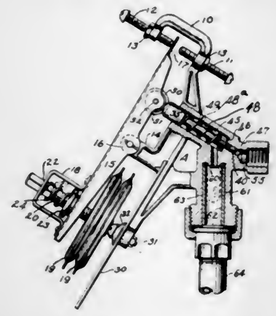
In a vegetable washing machine, the combination of a hollow drum, a shaft on which it is mounted to rotate, a brush mounted to swing from said shaft by gravity, said brush having a long rectangular base mounted radial to the drum, brush fibers distributed over one of the rectangular sides of the base, said brush extending lengthwise of the drum and extending nearly to the inside of the drum and being adapted to scour the vegetables on the rotation of the drum.

2,154,107
RAILROAD PASSENGER CAR STEP
Karl F. Nystrom, Milwaukee, Wis.
Application July 30, 1937, Serial No. 156,529
9 Claims. (Cl. 105—447)



9. In a railroad passenger car provided with a platform having a step-opening, a step-unit pivotally secured to the car underframe so as to swing upwardly and inwardly above the pivotal point into parallel juxtaposition with the car platform, said step-unit being formed from a single piece metal shaped to provide riser portions and tread portions with the tread portions extending forwardly of the planes of the riser portions to provide a wide tread.

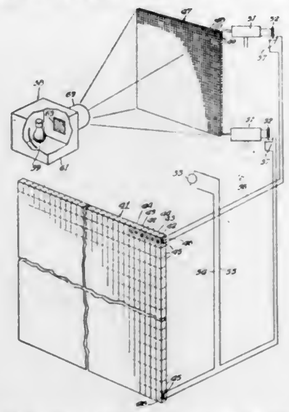
2,154,108
FUEL-OIL CONTROL VALVE
John B. Olson, Fort Atkinson, Wis., assignor to James Mfg. Co., Fort Atkinson, Wis.
Application September 5, 1936, Serial No. 99,532
7 Claims. (Cl. 236—99)



1. A fuel oil regulating device of the class described, comprising an integrally formed valve rod and guide stem therefor, the stem having a considerably greater diameter than the rod, an integrally formed housing having chambers adapted to closely embrace said stem and the free end of said rod, the free end of said stem protruding through its chamber and the inner end and its chamber adapted to cooperate with said rod to thereby form an annular chamber, a uniform groove in said rod parallel thereto and extending a distance from the free end thereof, the inner end of said groove for a relatively short distance being V-shaped and gradually reduced in depth and width and terminating in a point to thereby form a metering inlet valve to said annular chamber, a spring positioned on said rod within said annular chamber and being adapted to open said valve, an inlet connection to said rod chamber adjacent the free end of said rod, an oil outlet in the bottom of and an air vent in the top of said annular chamber, a pivotally mounted lever having a roller which operatively engages the protruding end of said stem and a thermally sensitive device operatively connected to said lever and adapted to permit said spring to open said valve when the temperature at said thermal device falls and to close said valve when the temperature rises.

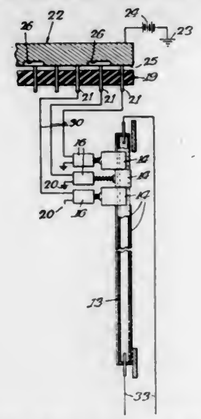
2,154,109
DISPLAY DEVICE
Archibald Parks, Chicago, Ill.
Application January 17, 1938, Serial No. 185,313
16 Claims. (Cl. 40—132)

1. A display device comprising a plurality of light tubes relatively small in cross-section and arranged in a common plane in contact with each other, each tubular member having its forward portion transparent, means for continuously electrically energizing said tubes for constituting sources of light, and means for causing said tubes to radiate rays of light of the primary



colors, each tube emitting light of only one primary color.

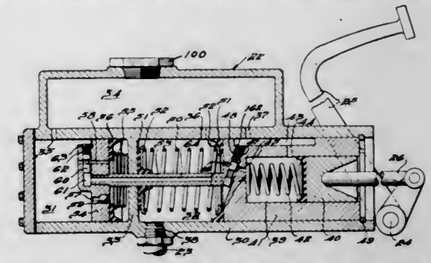
2,154,110
DISPLAY DEVICE
Archibald Parks, Chicago, Ill.
Application April 2, 1938, Serial No. 199,561
11 Claims. (Cl. 40—52)



2. A display board comprising a plurality of transparent light tubes arranged contiguous to each other in a common plane, said tubes being arranged in groups, each group comprising three tubes capable of emitting light of three primary colors, a plurality of masks for each tube and movable across the face thereof, means for energizing said tubes, and means for independently removing said masks from in front of said tubes.

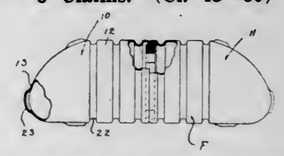
2,154,111
HYDRAULIC BRAKE SYSTEM
Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 19, 1936, Serial No. 96,751
13 Claims. (Cl. 60—54.6)

1. In a fluid operated system for applying a brake, a fluid containing casing having an outlet in the system, a hollow piston reciprocable in the casing, a second piston reciprocable in the hollow piston, said hollow piston having a passage therein leading from its interior to the casing, a spring seated valve in the passage, said valve being opened by a predetermined pressure in the casing, and a physically operable mecha-



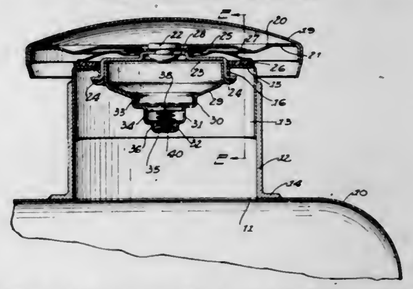
nism for reciprocating said second piston, said pistons being movable together upon actuation of said mechanism while said valved passage is closed and the second piston being alone movable by said mechanism while said valve is open.

2,154,112
FLOAT FOR FISHING NETS AND THE LIKE
Lawrence W. Seefeldt, Two Rivers, Wis.
Application February 11, 1938, Serial No. 189,909
3 Claims. (Cl. 43—50)



1. A hollow metallic float comprising, a pair of like companion sections, each including a side wall and an outer closed wall, a reinforcing ring having an annular groove disposed inside one of said sections, said last-mentioned section having a flange disposed over the ring and a bead in said groove, the inner end of the other of said sections being placed over the flanged end of the first-mentioned section and having its edge disposed in said bead.

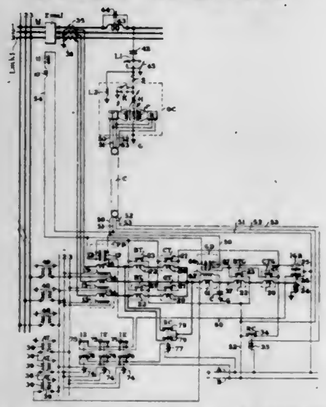
2,154,113
MOTOR VEHICLE
Charles J. Smith, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 29, 1934, Serial No. 759,724
4 Claims. (Cl. 220—44)



1. In a closure cap for a tank filler neck, the combination with means forming a chamber having inlet and outlet passages through which vapor can escape to atmosphere from the neck, of a

partition in the chamber having an opening therein and a slotted valve seat projecting beyond the opening, and a valve in the chamber cooperating with the valve seat restricting outflow of liquid fuel.

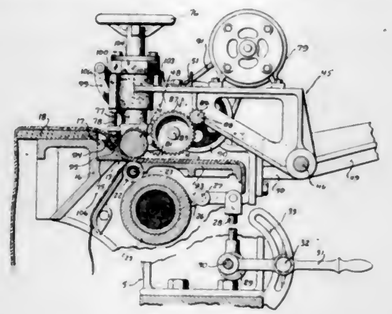
2,154,114
PROTECTIVE SYSTEM FOR ELECTRIC POWER TRANSMISSION LINES
Philip Sporn, Brooklyn, and Charles Albert Muller, Tuckahoe, N. Y.
Application March 22, 1934, Serial No. 716,798
10 Claims. (Cl. 175—294)



1. In a protective system for a section of an outdoor electric power transmission line including an outdoor circuit breaker and a station house for circuit breaker accessories at each end of said line section, fault responsive relay means at each section end for tripping the local circuit breaker on occurrence of a fault on the line, carrier communication means including a carrier transmitter and a carrier receiver coupled to the end of the line section for maintaining carrier communication between said section ends, lock-out relay means at each section end actuated by carrier energy received by the local receiver for selectively preventing the tripping of the local circuit breaker, power-directional relay means at each section end for controlling the operation of the local transmitter to cause tripping of said circuit breakers only upon occurrence of a fault within said line section, and a weatherproof casing enclosing the carrier transmitter of each section end located outside said station house adjacent the coupling point of the transmitter to said line section and segregating said transmitter from the relay means controlling the tripping of the local circuit breaker and the operation of the local carrier transmitter located inside said station house.

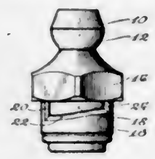
2,154,115
LEATHER SPLITTING MACHINE
Joseph J. Stehling, Milwaukee, Wis.
Application April 5, 1937, Serial No. 135,089
8 Claims. (Cl. 149—8)

1. In a splitting machine of the character described: a knife; means for feeding flat stock against the cutting edge of the knife, said means including a part movable from an operative position adjacent to the knife to an inoperative position enabling the insertion of flat stock across the knife and into the machine; a guard positionable over the cutting edge of the knife when said part is moved to its inoperative position; and means actuated by the return of said part to its



operative position for moving the guard away from the cutting edge of the knife.

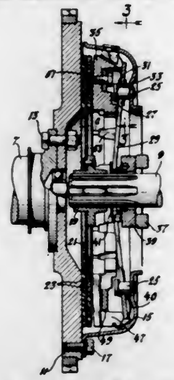
2,154,116
LUBRICANT RECEIVING FITTING
George F. Thomas, Riverside, Frank A. Ross, Lake Bluff, and Joseph Bystricky, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 8, 1936, Serial No. 89,504
1 Claim. (Cl. 285—25)



A drive type lubricant receiving fitting for high pressure lubricating systems, comprising a part for making detachable connections with a source of lubricant under pressure, and a shank portion formed integrally with said first named part, said shank portion having a cylindrical pilot part of substantially the diameter of the bearing oil hole into which the fitting is to be driven, and said shank portion having a projecting lug having cylindrical surfaces concentric with the surface of said shank portion and having its downwardly facing edge beveled and extending around the shank in helical form, whereby the fitting may be driven into the oil hole of a bearing and later removed therefrom by rotating the fitting, the said helical surface of the lug reacting against the metal of the bearing in the manner of a screw.

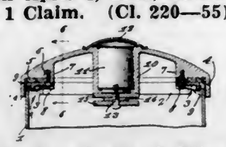
2,154,117
AUTOMOBILE CLUTCH
William S. Wolfram, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 14, 1937, Serial No. 148,096
4 Claims. (Cl. 192—68)

1. In a clutch, a flywheel, a pressure plate, a driven member therebetween, yielding means to move said pressure plate toward said flywheel, said pressure plate comprising a plurality of independent segments and means to secure said segments together, each segment having a surface with a progressively increasing clearance from the driven member in a radial direction



from its inner periphery when in clutch releasing position.

2,154,118
CLOSURE CAP
Leslie E. Ames, Lodi, Calif.
Application April 4, 1936, Serial No. 72,816
1 Claim. (Cl. 220—55)



A closure cap for a fuel tank filling spout having an inwardly directed annular portion disposed about the outer end thereof, with an annular flange depending from the inner edge of said inwardly directed portion, said portion and flange having diametrically opposed slots therein, and said cap comprising a substantially dome-shaped body, a skirt depending from the periphery of the body for disposal about the outer side of the spout, a gasket seated on the body to provide a leak proof connection between the cap and spout, said body being interiorily thickened upon diametrically opposite sides, spaced bosses formed on and depending from the thickened portions and providing pockets, substantially wedge shaped lugs fitting the pockets and secured therein with their wide ends outermost and the securing means thereof passing through the gasket to hold the latter against movement, and said lugs being receivable in said slots to close the latter and to prevent rotation of the cap when the latter is applied to the spout, and locking means mounted in the body and including means engageable with the lower edge of the flange for securing the cap in closed position.

2,154,119
HARNESS CONNECTOR FOR LOOMS
William H. Bahan, Greenville, S. C.
Application November 3, 1937, Serial No. 172,498
2 Claims. (Cl. 24—163)

1. A harness connector and strap for supporting the heddle frames of looms comprising a web-like strap, a buckle member having V-shaped ends on each end thereof, spaced members connecting the legs of one V-shaped end with the legs of the other V-shaped end, and a member having a loop on one end provided with a cam portion and a hook portion on the other, the apices of the V-shaped ends being adapted to rest in said loop on each side of the cam portion, and said web member being passed between the cam portion and the members joining the legs of the V-shaped ends together, so that when the



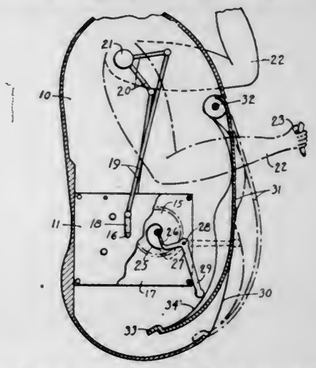
member having the cam portion is rotated relative to the buckle member having V-shaped ends, the cam portion will push the web member past a straight line passing from one spaced member to the other spaced member.

2,154,120
FOLDING RAT-TAIL COMB
Eleanor S. Berliner, Westchester County, N. Y., assignor to Injection Moulding Corp., New York, N. Y., a corporation of New York
Application August 17, 1938, Serial No. 225,282
5 Claims. (Cl. 132—19)



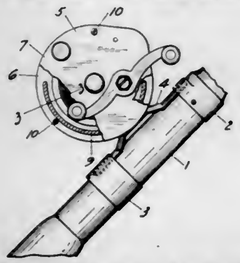
2. The combination of a comb and sheath therefor pivoted together to fold in a jack-knife manner, said sheath gradually tapering to a point and adapted to act as a hair curler when in open position.

2,154,121
MECHANICAL TOY
Walter Bold, Pittsburgh, Pa.
Application March 8, 1938, Serial No. 194,629
8 Claims. (Cl. 46—141)



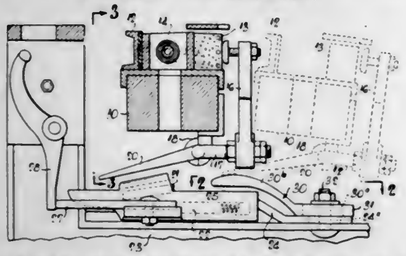
1. In a toy representing a living creature and provided with a hollow body, the combination of a motor supported by the body, means operated by the motor for simulating the supplying of food to the mouth of the toy, and lever means operated by the motor in timed relation to the first mentioned means to cause the abdomen of the body to alternately expand to simulate repletion and to be retracted.

2,154,122
WATER CATCHER FOR FISHING REELS
Milton B. Brenneman, Davenport, Iowa
Application July 15, 1938, Serial No. 219,397
2 Claims. (Cl. 242—84.1)



1. In a fishing reel, a pair of end plates grooved in the vicinity of their edges, on their opposite faces, for the reception of a curved plate, and a curved plate having its opposite curved edges fitted in the grooves of the end plates, said end plates and the curved plate forming a cup below the rotating drum of the reel when the rod to which the reel is attached is held in normal reeling-in position.

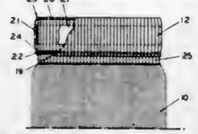
2,154,123
DAGGER LIFTER FOR LOOMS
Boyd H. Bridgman, Spartanburg, S. C.
Application December 17, 1937, Serial No. 180,398
1 Claim. (Cl. 139—187)



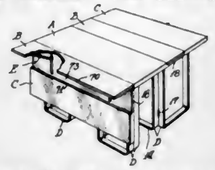
In a loom provided with an oscillating lay and having a shuttle box on each end of the lay, each shuttle box being provided with a movable binder, said lay being provided with a protection rod provided with a dagger, said loom having a frog adapted to be engaged by the dagger in the absence of a shuttle in a shuttle box for stopping the loom, said protection rod having an upstanding arm engaging the binder and a torsion spring on the protection rod for applying pressure to said arm for exerting pressure on the binder, means for relieving pressure of said torsion spring on said binder at a certain point in the oscillation of the lay, comprising a member mounted on the loom frame for adjustment relative to the frog and extending over a portion of the frog to engage the dagger and raise the same while a shuttle is being expelled from a shuttle box in one end of the lay and being received in the shuttle box in the other end of the lay.

2,154,124
HOSIERY
Norman Cohn, New Rochelle, N. Y.
Application December 19, 1936, Serial No. 116,683
4 Claims. (Cl. 66—173)

4. A sock having a seamless knitted body portion and a seamless ribbed knitted top portion, said portions knitted together along a juncture line defined by a loose course, one course of the ribbed top portion providing a line of reinforcement spaced from said loose course, said top portion being bent back upon itself to form a double thickness of material at the top of the sock and the turned back edge secured to the ribbed top portion along said line of reinforcement and thus spaced from said juncture line.

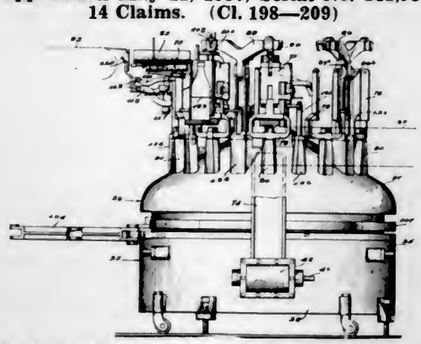


2,154,125
TABLE AND LEAF CONSTRUCTION
David Dillon, New York, N. Y.
Application December 11, 1937, Serial No. 179,225
6 Claims. (Cl. 311—63)



1. An extensible leaf construction comprising a main support member and inside and outside extension leaf members independently pivotally mounted on a side of said support member and independent means supporting said inside and outside leaf members in elevated position, both said leaf members being of substantially the same width and both of said leaf members nesting together, when both are extended or both are collapsed and said inside leaf member being capable of being elevated and supported in said elevated position independently of the outside leaf member.

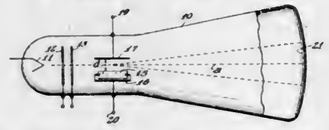
2,154,126
APPARATUS FOR HANDLING BOTTLES AND JARS
Clarence A. Heyne, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application May 11, 1937, Serial No. 141,986
14 Claims. (Cl. 198—209)



1. Apparatus for transferring articles from forming molds to a leer, comprising an uprighter, a traveling conveyor by which the articles are carried to the uprighter in a recumbent position, said conveyor mounted for lateral swinging movement, said upright comprising a carriage, means

for rotating the carriage about a vertical axis, pairs of cradles arranged in an annular series on the carriage and mounted for swinging thereon from a recumbent to an upright position and for oscillation thereon while in a recumbent position, said pairs being brought in succession to a receiving position in which they are recumbent and in register with said conveyor for receiving the articles from the conveyor in a recumbent position, means for swinging said conveyor laterally and thereby causing it to advance with the cradles during the transfer of the articles to the cradles, means for oscillating the cradles on their carriage during the transfer period for maintaining the cradles in alignment with said conveyor, means for swinging each pair of cradles with the articles therein to an upright position, a second traveling conveyor to receive the articles from the cradles, and automatic means to release the articles from the cradles to said second conveyor.

2,154,127
ELECTROMECHANICAL OSCILLATING DEVICE
Hans Erich Hollmann, Berlin-Lichterfelde, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application June 9, 1937, Serial No. 147,323
In Germany July 7, 1936
13 Claims. (Cl. 250—158)



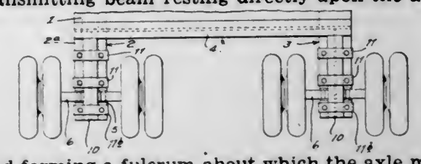
1. The combination with a cathode ray device comprising means for producing a concentrated electron beam, of an electro-mechanical vibrating device arranged within said device to exercise directly a deflecting field upon said electron beam.

2,154,128
PROCESS FOR TREATING MANGANESE ORES
Albert L. Jacobs, Pittsburgh, Pa.
No Drawing. Application December 9, 1936, Serial No. 114,973
1 Claim. (Cl. 23—145)

A process for producing MnO_2 from manganese or which comprises pulverizing manganese ore as mined to a relatively fine state of subdivision, roasting the pulverized ore for one to five hours at a temperature within the range of about 500–750° C. to destroy organic impurities, to dehydrate the ore and to put it in condition for further treatment, adding sufficient cold concentrated hydrochloric acid to the roasted ore to convert the manganese content thereof to $MnCl_4$ and other chloride-forming constituents to their respective chlorides, digesting the ore in the acid for about ¼ to 1 hour under prevailing atmospheric conditions, filtering out insolubles, diluting the filtrate with water to about ten times its volume to precipitate MnO_2 selectively from the diluted filtrate, letting the same stand for about ½ hour to produce maximum hydrolytic precipitate and to coagulate and coalesce the initially fine precipitate, filtering off the MnO_2 precipitate, washing it and finally drying it at moderate temperature to produce a substantially pure granular MnO_2.

2,154,129
TRAILER CONSTRUCTION
Clarence F. Jones, Fort Collins, Colo.
Application March 16, 1937, Serial No. 131,129
5 Claims. (Cl. 280—81)

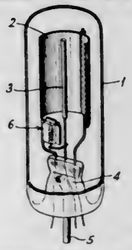
2. In a heavy duty vehicle of the character described, the combination comprising an axle of polygonal configuration in cross-section, a load transmitting beam resting directly upon the axle and forming a fulcrum about which the axle may oscillate, and means for restraining axial movement of the axle with respect to the beam.



2,154,130
BENEFICIATING TITANIFEROUS ORES
Franklin L. Kingsbury and William Grave, St. Louis, Mo., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 3, 1937, Serial No. 157,096
4 Claims. (Cl. 75—115)

1. Method of beneficiating titaniferous ores, which comprises mixing together ground titaniferous ore, concentrated sulfuric acid and a phosphate compound, the latter in such amounts that the resulting mixture will have a P_2O_5 content, based on the weight of ore in the mixture of between about 0.1 per cent and about 2.0 per cent and heating the said mixture to cause a reaction to take place between the ore and the sulfuric acid.

2,154,131
GETTER
Ernest A. Lederer, Essex Fells, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 30, 1937, Serial No. 171,814
8 Claims. (Cl. 250—27.5)

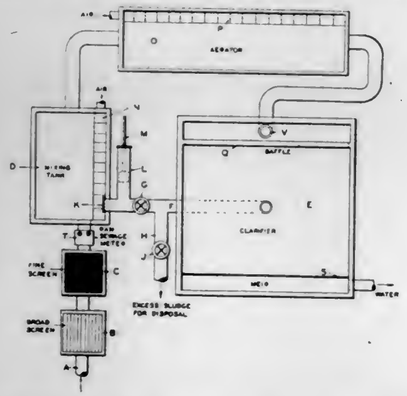


1. A getter comprising a refractory core, a coating on said core of a compound of a metal of the group consisting of the alkalis and the alkaline earths, a heating element adjacent the coated core, material on said element which, when vaporized, combines with said compound at reaction temperature to liberate said metal.

2,154,132
PROCESS OF CONTROLLING THE PURIFICATION OF SEWAGE
Edward B. Mallory, Tenafly, N. J.
Application May 28, 1936, Serial No. 82,164
17 Claims. (Cl. 210—8)

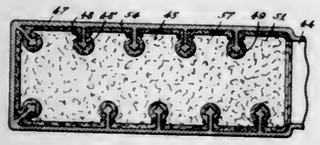
1. The process of treating sewage which includes forming mixed liquor by mixing sewage with sludge consisting of settled solid matter precipitated from previously aerated sewage, aerating said mixed liquor in a mixing chamber, passing said mixed liquor into a settling chamber to

precipitate the suspended solids and form a sludge blanket thereof in such settling chamber, withdrawing purified effluent from said settling chamber, returning a portion of the precipitated sludge from a settling chamber to be mixed with incoming raw sewage thereby forming more mixed liquor which is aerated in the mixing chamber and passed to the settling chamber as described, removing another portion of the precipitated sludge from the above-mentioned system, determining the concentration of suspended solids in the returned sludge, determining the



concentration of suspended solids in the aerated mixed liquor passing to the settling chamber, and maintaining the purity of the effluent by regulating said concentrations to approach a condition wherein the ratio between the concentration of the suspended solids in the returned sludge and the concentration of suspended solids in the mixed liquor passing to the settling chamber is substantially equivalent to twice the ratio between the volumetric liquid holding capacity of the mixing chamber and the volumetric liquid holding capacity of the settling chamber, minus one.

2,154,133
OIL BURNER MUFFLER
John H. McIlvaine, Chicago, Ill., assignor to McIlvaine Burner Corporation, Chicago, Ill., a corporation of Illinois
Application April 3, 1937, Serial No. 134,699
15 Claims. (Cl. 181—42)



1. A noise muffler for an air delivery conduit for an oil burner in a furnace adapted to be supplied with air under pressure from a blower, said muffler comprising an elongated casing, opposed longitudinal walls of which are formed to provide stalls opening off a longitudinal air passage through said casing, the walls of said stalls being covered with sound absorbing material, each of the stall spaces defined by said sound absorbing material being of dovetail cross-section narrow at the entrances and wide remote from said entrances, substantially as and for the purpose described.

2,154,134
COLLECTOR FOR CENTRIFUGAL APPARATUS
James Hill Millar, Dublin, Irish Free State, assignor to Arthur Guinness, Son and Company Limited, London, England
Application March 18, 1936, Serial No. 69,501
In Irish Free State June 22, 1934
3 Claims. (Cl. 233—22)



1. In a centrifugal separator having a rotating bowl, a device for collecting liquids prone to frothing, said device comprising a conduit terminating in a hollow blade of narrow elongated cross-section, having its major width at a point substantially centrally of the blade and tapering gradually from said major width into leading and trailing edges, said blade terminating in a mouth having a cross-sectional shape corresponding to that of the blade cross-section and being smoothly curved in the direction of elongation of the blade, means for supporting said blade with its mouth wholly below the surface of the liquid and the curvature of the mouth substantially parallel to the wall of the bowl, and spaced deflecting vanes located wholly within the blade adjacent the mouth thereof and in an inclined position with their outer edges at right angles to the major axis of the mouth and nearer the leading edge of the blade than their inner edges.

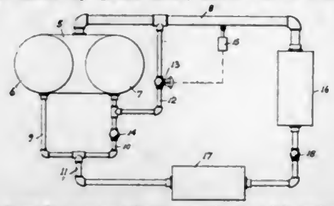
2,154,135
INNERSOLE FOR OPEN SHANK SHOES
Maynard H. Moore, Jr., Everett, Mass.
Application May 20, 1937, Serial No. 143,711
4 Claims. (Cl. 36—12)



1. An inner sole having an edge binding connected thereto consisting of a strip of textile material of uniform width, one side of which is coated with an ornamental cellulose material and the other side of which is uncoated and absorbent, the coated portion of the binding being disposed on the edge and top edge portion of the sole so that the coating is exposed, and the edge portion on the bottom side of the sole being folded over against the coated surface and adhesively connected thereto so that an uncoated surface is presented on the bottom side of the sole for adhesion to an outer sole.

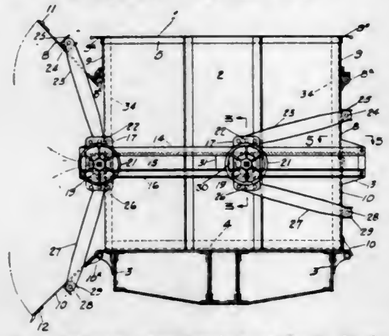
2,154,136
FLUID CIRCULATION SYSTEM
Michael P. Parcaro, Bloomfield, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application March 31, 1936, Serial No. 71,837
7 Claims. (Cl. 62—115)

1. In a refrigerating system of the character described, in combination a plurality of compressor elements in parallel, feed means for supplying fluid to the elements, a plurality of discharge pipes for receiving fluid discharged by the compressor elements, a by-pass line connecting the feed means and at least one of the discharge pipes, a valve for controlling the flow of fluid through said by-pass line, said valve being nor-



mally closed, means for opening said valve whenever the load on said apparatus falls below a predetermined point, and means for preventing the flow of fluid from another of the discharge pipes to said by-pass line.

2,154,137
CAR CONSTRUCTION
Nathaniel S. Reeder, New York, N. Y., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 1, 1936, Serial No. 77,342
5 Claims. (Cl. 105—290)

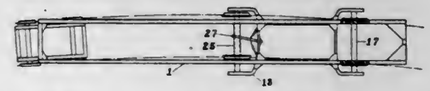


1. In a railway car having a floor, body side and end walls forming therewith a lading enclosure with one side wall thereof including a pair of doors extending longitudinally of the side wall with their adjacent meeting edges disposed above the floor and their opposite edges hinged adjacent the upper and lower portions of the side wall to open outwardly for discharge of lading, a door operating mechanism at each end of said pair of doors including a track comprising vertically spaced members disposed transversely of each end wall, the upper of said track members having a rack on the lower face thereof, the lower of said track members being U-shaped with the arms of the U extending towards the rack, a carriage mounted on said track and including a rotatably mounted gear engaging the rack of said upper track member and extending between the arms of the lower track member, a shaft upon which said gear is mounted, annular bearings on said shaft on opposite sides of said gear and a second annular bearing enclosing said first-named bearing on opposite sides of the gear and engaging the upper face of the arms of the U-shaped track member to support the carriage, said annular bearings on each side of the said gear being rotatable relative to each other, link connections between each carriage member and the adjacent end of the upper and lower door of the side wall, and means for rotating said gear of each said carriage in engagement with said rack to move said carriage longitudinally of the track for actuating the associated doors.

2,154,138
ELECTRICAL INSULATION
Helge Rost, Mexico, D. F., Mexico
No Drawing. Application May 25, 1935, Serial No. 23,413
3 Claims. (Cl. 106—12)

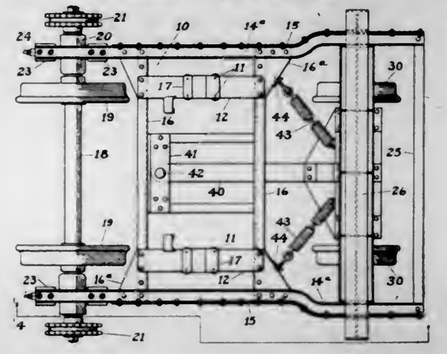
1. As a new composition of matter, an electrical insulation of low hysteresis losses consisting of a plurality of cyclic organic compounds, each one of electrically symmetrical molecules of substantially zero electric moment.

2,154,139
CAR CONSTRUCTION
Alfred C. Schmohl, Beaver Falls, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1936, Serial No. 96,003
Renewed August 13, 1938
9 Claims. (Cl. 105—159)



1. In a rail vehicle of the character described, in combination, a chassis, a truck beneath the front end of the chassis and pivotally connected thereto, a non-pivoting truck beneath the rear end of the chassis, said non-pivoting truck having a wheeled front axle journaled on the truck, a sleeve mounted on said axle, wheels connected with said sleeve, and means connecting the axle and wheels providing lateral movement of the wheels upon the axle and positive rotary movement of the wheels with the axle.

2,154,140
CAR CONSTRUCTION
Alfred C. Schmohl, Beaver Falls, Pa., assignor, by mesne assignments, to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application August 14, 1936, Serial No. 96,004
4 Claims. (Cl. 105—159)



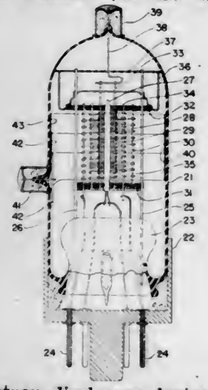
1. In a rail vehicle comprising an automobile chassis embodying the usual power plant and driven rear axle, and rail trucks under opposite ends of said chassis, the combination in the rear rail truck of a frame including side members disposed beneath said rear axle and secured thereto, chain sprockets on said rear axle, a wheeled axle supporting the front end of said truck frame and journaled thereon, chain sprockets on said truck frame axle, a drive chain con-

necting said sprockets, a wheeled axle supporting the rear end of said truck frame and connected thereto for radial movement.

2,154,141
VACUUM TUBE

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application February 2, 1937, Serial No. 123,557
8 Claims. (Cl. 250—27.5)

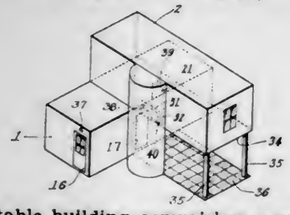


1. An electron discharge device comprising an evacuated envelope of insulating material, an electrode structure supported within said envelope and comprising, in the order named, a cathode, a control electrode, and a screen grid, an anode comprising a narrow band of conductive material extending around the inner surface of said envelope and surrounding said electrode structure, and a layer of high-resistance material extending around the inner surface of said envelope adjacent said anode.

2,154,142
MOBILE BUILDING

John J. Whelan, Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y., a corporation of Maryland

Application July 8, 1937, Serial No. 152,622
Renewed February 28, 1939
1 Claim. (Cl. 20—1)



A portable building comprising a pair of prefabricated building units arranged and constructed so that they may be assembled in any one of a plurality of relative positions in superposed relation, one of said units having a doorway formed in at least one end wall thereof and a second doorway formed in at least one side wall thereof, the other of said units having a doorway formed in at least one side wall thereof, said units, when superposed, being disposed so that the doorway of one unit is vertically offset relatively to a doorway of the other unit, and a stairway unit exterior of said superposed building units affording access from one unit to the other through said offset doorways.

2,154,143
PANEL AND METHOD OF MAKING

John J. Whelan, Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y., a corporation of Maryland

Application August 23, 1937, Serial No. 160,525
Renewed February 28, 1939
7 Claims. (Cl. 20—91)

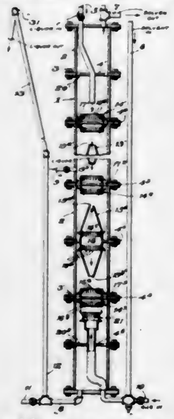


1. In a panel structure, the combination of, a rigid base member, a relatively thin layer of metal adhesively secured thereto, said metal being secured to the edges of said base member and being under tension, whereby said thin layer of metal is maintained in a smooth condition when exposed to the sun.

2,154,144
APPARATUS FOR EXTRACTING LIQUIDS WITH LIQUIDS

Thomas C. Albin, Memphis, Tenn., assignor to Forest Products Chemical Company, a corporation of Tennessee

Application February 25, 1937, Serial No. 127,807
8 Claims. (Cl. 23—270)



1. A liquid-liquid extractor comprising a tower, means for introducing and for removing a liquid containing substances to be extracted at opposite ends of said tower, means for introducing a liquid extracting agent into said tower at the end opposite the end at which the liquid to be extracted is introduced, means for removing said extracting agent at the end opposite its point of introduction, and a plurality of superimposed distributors provided with narrow slits arranged at a substantial angle to the horizontal mounted in said tower adapted to collect at least one of said liquids and to distribute it in the form of ribbon-like films, having a constant thickness but having a width varying with the rate of flow of said liquids, during its passage through said tower.

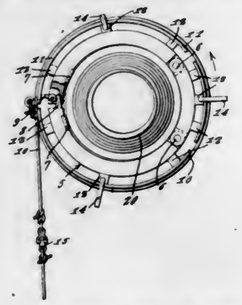
2,154,145
SPINNING TONGS

James C. Aycock, Centerville, La.

Application June 29, 1937, Serial No. 151,037
1 Claim. (Cl. 81—66)

A device of the character described, comprising, a circumferential member having jaw supporting

sections, an intermediate section pivotally connecting one end of each of said jaw supporting sections together, jaws mounted on said jaw supporting sections, a drum surrounding all of said sections and having segmental portions, a locking device connecting the free ends of said jaw supporting sections together and fashioned with an arm extending beyond the outer periphery of said drum, spacers securing said portions to said

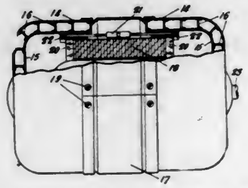


sections, a cable connected to the outer end of said arm for maintaining said locking device in locked condition to secure said sections in a clamped condition about a work-piece and constituting an instrumentality for operating said drum, and laterally disposed fingers carried by said spacers subjacent said drum for maintaining said instrumentality in operating engagement with said drum.

2,154,146
ELECTRIC MOTOR, DYNAMO, AND THE LIKE

Emil Becker, Munich, Germany, assignor to John Edward Becker, Stoney Creek, Ontario, Canada

Application November 15, 1937, Serial No. 174,634
In Germany September 2, 1935
7 Claims. (Cl. 172—252)



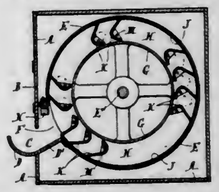
1. In an electric machine of the character described and including a stator, of a substantially cup-shaped sheet metal housing assembly surrounding the stator, and a corrugated wedge ring adjustably interposed between the stator and the housing to retain the stator against movement relative to the housing.

2,154,147
VENDING MECHANISM

Edward Hans Tui Bensemann, Motueka, Nelson, New Zealand

Application November 8, 1937, Serial No. 173,488
In New Zealand November 20, 1936
1 Claim. (Cl. 312—94)

Vending mechanism comprising a horizontally disposed cylindrical casing having an opening in its wall on one side of the center, a drum mounted axially within such casing and adapted to be moved through specific proportions of rotary movement by the actuation of coin-actuated means, partitions dividing the surface of the drum into a plurality of annular chambers, a series of holding trays arranged at intervals apart in rows around the outer periphery of the drum in each chamber and each mounted thereon by means of journal pins extending across such periphery parallel to the axis of the drum, said trays dividing the chambers into compartments, said casing being provided with means to cause the trays as

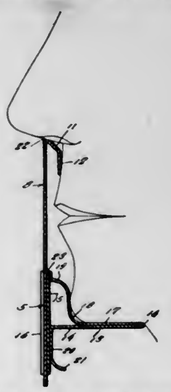


they pass through the downward portion of their travel in the rotation of the drum to be retained in a holding position until they reach said opening in the casing at which point said trays are disengaged from said last-named means to pivot out through said opening, said opening extending across the width of the entire drum, a bar secured to the casing and extending across the top edge of said opening, and means for adjustably inclining the bar downward from one end to the other to regulate the discharge from the compartments.

2,154,148
BITE GAUGE

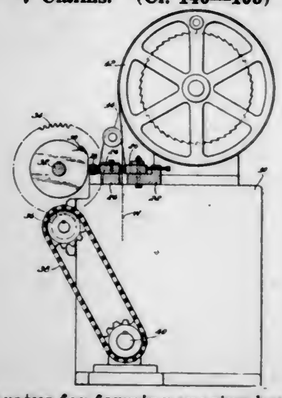
Charlie A. Butts, Grand Island, Nebr.

Application February 24, 1938, Serial No. 192,399
2 Claims. (Cl. 33—174)



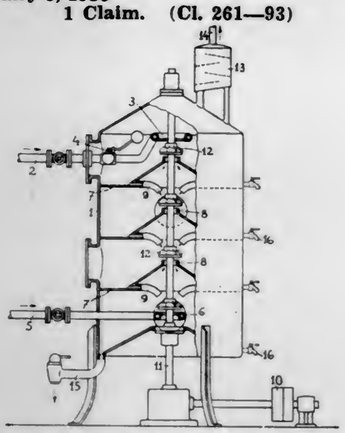
1. A bite gauge of the class described comprising a vertically arranged member having a channel in its front face, a horizontally arranged part connected with the rear face for engaging the under part of the chin of a patient, an upwardly extending part connected with an intermediate portion of the chin engaging member and having a curve therein for receiving the point of the chin, a curved lower part connected with the rear face of the vertical part forming a finger hold, a scale strip slidably arranged in the channel of the vertical part and a rearwardly extending part connected with the upper end of the scale strip and having a depending portion for engaging the upper lip, the rearwardly extending portion engaging an under part of the nose.

2,154,149
APPARATUS FOR FORMING SPACING BENDS IN WIRE FABRIC
Alexander Chambers, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 4, 1938, Serial No. 233,220
7 Claims. (Cl. 140—105)



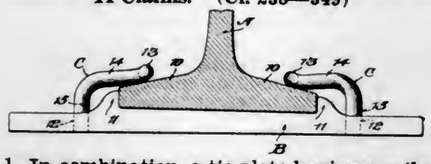
1. Apparatus for forming spacing bends in wire fabric used as a reinforcing member for plaster and the like comprising means for supporting the wire fabric, a plurality of pairs of cooperating dies, means for effecting relative movement of the dies toward and from each other to engage the wire fabric between the dies, and means for holding the fabric so that the dies stretch and cold-work at least one wire of the fabric to form spacing bends therein.

2,154,150
APPARATUS FOR CARRYING OUT PHYSICAL AND CHEMICAL REACTIONS
George de Becze, Budapest, Hungary
Original application July 6, 1937, Serial No. 152,278. Divided and this application January 24, 1938, Serial No. 186,735. In Hungary January 3, 1936
1 Claim. (Cl. 261—93)



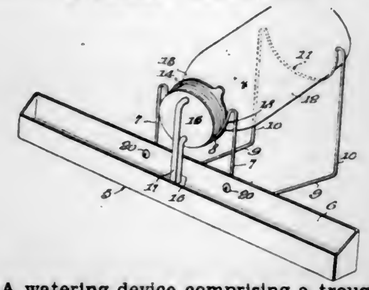
Apparatus for carrying out physical and/or chemical reactions between a liquid or suspension, and a gas, comprising a column divided into superposed sections by partitions raised in the middle into a cone, means for feeding the reactants in countercurrent through said column, a mixing device in each section located below the liquid surface and acting to produce a dispersion of the gaseous reactant in the liquid, said dispersion substantially filling the section, separate inlets for the liquid and the gaseous reactant in each section, located below the liquid surface near the mixing device, the gas inlet being provided on the upper part of the conical partition below the mixing device, separate outlets for each of the changed reactants or products of reaction at points remote from the mixing device, the outlet for the liquid being provided near the base of each partition, finally separate means for removing the changed reactants or products of reaction from the column.

2,154,151
RAIL SUPPORTING AND RETAINING MEANS
James G. Delfox, Flushing, N. Y., assignor to Poor & Company, New York, N. Y., a corporation of Delaware
Application July 6, 1937, Serial No. 152,223
11 Claims. (Cl. 238—349)



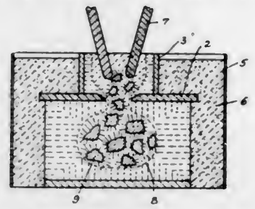
1. In combination, a tie plate having a rail seat and a pair of spaced holes at the side of said seat inclined relative to each other, and a clip including a rail flange overlying portion and a pair of legs having the same general spacing and inclination as the tie plate holes for insertion into said holes to secure the clip to the tie plate, said holes being straight and of uniform cross sectional size and shape throughout their lengths, the portions of said legs which are insertable into said holes being straight and of uniform cross sectional size and shape throughout their lengths, and the rail flange overlying portion being resilient to permit said legs to be sprung relative to each other for insertion into and removal from said holes.

2,154,152
WATERING DEVICE
Frank Devary and Mack Wise, Rockwell, Iowa
Application July 21, 1938, Serial No. 220,555
4 Claims. (Cl. 119—77)



1. A watering device comprising a trough, two spaced vertical front posts secured to the back wall of said trough and extending upwardly therefrom, a front U-shaped receptacle supporting stirrup joined at its upper ends to the upper ends of said front posts, two spaced base bars extending rearwardly from the lower ends of said posts and secured thereto, two spaced vertical rear posts secured to and projecting upwardly from the rear ends of said base bars, a rear U-shaped receptacle supporting stirrup joined at its upper ends to the upper ends of said rear posts, a receptacle supported in said stirrups, and water discharge means extending from said receptacle into said trough.

2,154,153
REFRACTORY AND METHOD OF MAKING IT
George J. Easter and Karl Brownell, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application July 21, 1936, Serial No. 91,748
10 Claims. (Cl. 49—79)



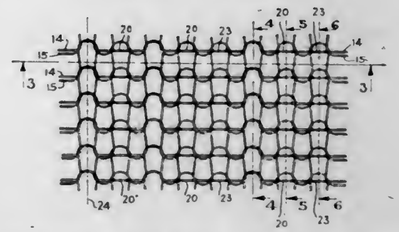
1. The method of forming refractory castings which comprises casting molten refractory material into a mold having a superimposed font separated therefrom by a gate and after solidification of a layer of refractory material about the inner walls of said mold, maintaining the material in the interior of the font and gate fluid by means of an electric arc and feeding lumps of solid refractory material through said fluid material into the interior of the casting, thereby accelerating and causing the solidification of the interior of the casting before complete melting of the added lumps.

2,154,154
MOTOR VEHICLE FRAME
Ivar G. Eklund, Detroit, Mich., assignor to Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1936, Serial No. 87,833
2 Claims. (Cl. 280—106)



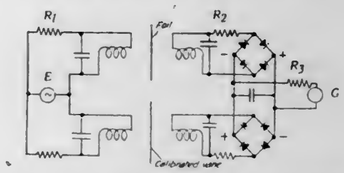
1. In an automobile frame, a pair of side rails having channel-shaped forward ends, a forward cross member spaced a distance rearwardly from the forward ends of the side rails and connecting the rails, each end of the cross member having a pair of arms, one of which extends into the channel of the side rail and is secured to the web thereof, and the other arm being extended at an angle forwardly of the rail to the end thereof to close the channel thereof and form the forward ends of the rails into closed box section forwardly of the cross member.

2,154,155
KNITTED NAPPED PILE FABRIC
Harry Fleisher, Watertown, Conn., assignor to Princeton Knitting Mills, Inc., Watertown, Conn., a corporation of Connecticut
Application August 27, 1938, Serial No. 227,165
8 Claims. (Cl. 66—194)



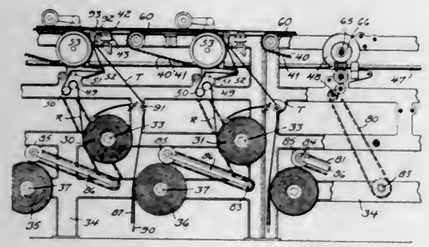
1. A knitted pile fabric consisting of a plurality of identical courses of two yarns, each having a repeating series of eight wales including pile loops in one yarn at the second, fourth, fifth, seventh and eighth wales and plain stitches in both yarns at the first, third and sixth wales.

2,154,156
ELECTRIC MICROMETER
Henry Cobden Turner, Salford, Manchester, and Thomas Cayton Nuttall, South Norwood, London, England, assignors to The General Electric Company Limited, London, England
Application July 6, 1937, Serial No. 152,202
In Great Britain July 6, 1936
5 Claims. (Cl. 175—183)



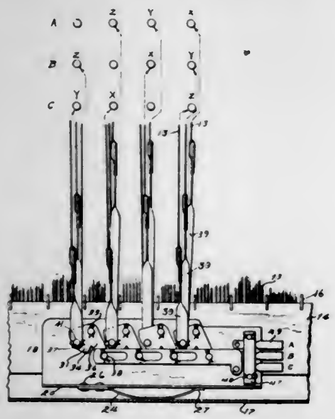
1. An electric micrometer comprising means for generating oscillations of uniform frequency, two transmitter circuits connected in parallel with said oscillations generating means for simultaneous operation, each transmitter circuit including a primary inductor coil having a resistor in series therewith and a condenser across the terminals thereof, the total resistance of each of the transmitter circuits being substantially the same, two receiver circuits arranged for cooperation with said transmitter circuits respectively, each receiver circuit comprising a secondary inductor coil having a resistor in series therewith and a condenser across the terminals thereof, the total resistance of each of the receiver circuits being substantially the same and in each receiver circuit the total resistance being in predetermined ratio to the total resistance of the corresponding transmitter circuit, the cooperating primary and secondary coils of the respective transmitter and receiver circuits being spaced apart one to receive therebetween the foil to be tested and the other a calibrated vane, a bridge rectifier in each of said receiver circuits, circuit connections between said bridge rectifiers arranged so that the direct currents of the rectifiers are in opposition and a galvanometer connected across said circuit connections for measuring the direct current difference between said rectifiers.

2,154,157
MEANS FOR MAKING MANIFOLD FORMS
James B. Fulk, Norwalk, Ohio, assignor to Carbon Interleaved Forms Corporation, Norwalk, Ohio, a corporation of Ohio
Application February 26, 1938, Serial No. 192,834
13 Claims. (Cl. 270—52)



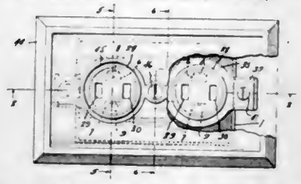
1. A machine for making manifold forms comprising a frame, means on the frame for supporting rolls of record material, a plurality of spaced belts for receiving the webs from said rolls and means for engaging the webs throughout the linear reach of the belt means to guide said webs onto the belts through the spaces between the belts, and means for simultaneously progressing the belts to move the webs into interleaved relationship.

2,154,158
VOTING MACHINE
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application August 31, 1937, Serial No. 161,827
12 Claims. (Cl. 235—54)



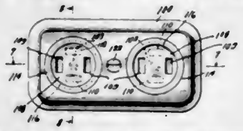
11. In a voting machine having a plurality of interlocking straps connected with voting indicators, an interlocking mechanism for controlling actuation of certain of said indicators comprising a plurality of members, auxiliary straps connecting said members with certain of said interlocking straps, said members being movable and adapted to actuate certain of said straps or be actuated thereby, said members also being arranged in groups, and means connecting the members of each group whereby to cause a given member to be moved when any other member of the group is moved.

2,154,159
ELECTRICAL RECEPTACLE
Philip E. Hamilton, Beaver Falls, Pa.
Application November 14, 1936, Serial No. 110,934
2 Claims. (Cl. 173—330)



1. An electrical receptacle comprising a body portion, channels in the body portion, an electrical contact member in each channel, a disc-like shutter member having a pair of slots adapted to register with the channels, a peripheral groove around the shutter member, a plate attached to the body portion fitting into said peripheral groove, said plate preventing movement of the shutter away from said body portion, a slotted aperture in the lower portion of the shutter member, a slotted aperture in the upper portion of the body portion, a helical spring having its ends bent over along its diameter, said spring being positioned with said bent-over portions in said apertures to normally hold the shutter slots out of register with the channels.

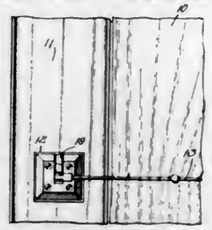
2,154,160
ATTACHMENT FOR ELECTRICAL APPARATUS
Philip E. Hamilton, Beaver Falls, Pa.
Application January 8, 1937, Serial No. 119,667
2 Claims. (Cl. 173—330)



1. An electrical receptacle comprising a body portion, channels in the body portion, an electrical contact member in each channel, a circular shutter member having a pair of slots adapted to register with the channels, a capping ring attached to the rim of the body member adjacent the shutter member, said capping ring having a portion extending over the edge of the shutter member whereby the shutter member is held against outward motion in relation to the body portion, a slotted aperture in the lower portion of the shutter member, a slotted aperture in the upper portion of the body portion, a helical spring having its ends bent over along its diameter, said spring being positioned with said bent over portions in said apertures to normally hold the shutter slots out of register with the channels.

2,154,161
CURTAIN HOLDER
Joseph H. Heckman, Chicago, Ill.
Application September 8, 1938, Serial No. 229,009
7 Claims. (Cl. 156—33)

1. Apparatus of the character described, including: a base adapted to be placed on a casement adjacent a curtain; a hook-shaped holding member adapted, when in operative position perpendicular to said casement, to retain said curtain in drawn position; and a connecting member mounting said holding member on said base, said connecting member being pivotally mounted on said base for movement in a vertical plane perpendicular to the surface of the casement on which the base is mounted and said two members being pivotally connected to permit movement of said holding member in a plane perpendicular to that of said connecting member.

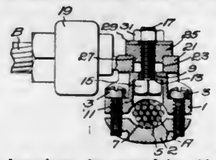


2,154,162
MEANS TO ORIENT TOOLS IN A WELL
John C. Hewitt, Jr., and Vivian Edward Kuster, Long Beach, Calif.
Original application April 15, 1935, Serial No. 16,460. Divided and this application January 14, 1939, Serial No. 251,050
7 Claims. (Cl. 255—1)



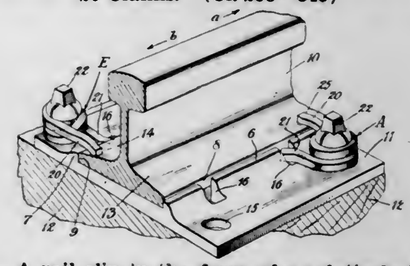
1. A well surveying apparatus comprising a sleeve fixed within a drill string and having an opened upper end, a well surveying instrument adapted to be lowered within the drill string, said instrument being fitted at its lower end with a mandrel which will seat within the sleeve, cooperating means between the mandrel and the sleeve for placing the mandrel in a position of known orientation with relation to the sleeve, means within the instrument to produce a record indicating the direction of the declination of the drill string and means acting automatically to produce said record when the instrument is seated within the sleeve.

2,154,163
CABLE TAPPING DEVICE
Alfred J. Hixon, Braintree, Mass.
Application April 22, 1937, Serial No. 138,395
1 Claim. (Cl. 173—273)



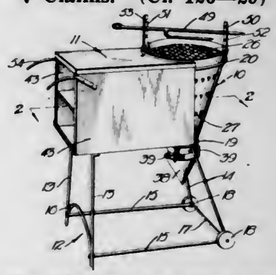
A cable tap having, in combination, a terminal lug carrying member adapted to contact with a side of the cable, a part adapted to contact with the opposite side of the cable, means for detachably connecting said member and part and moving them toward each other for clamping the cable between them, said member having a through opening the axis of which intersects that of the cable, which opening has a portion of polygonal cross-section adjacent the cable contacting side of said member and is formed to provide a shoulder facing said side, a removable bolt having a head of polygonal cross-section adapted to bear against said shoulder and be restrained against rotation by cooperation with the walls of the polygonal portion of said opening and be retained in said opening by the cable when said member contacts with the latter, said bolt having a screw-threaded shank slidably extending through and substantially fitting the portion of said opening between said shoulder and the side of said member opposite the cable contacting side thereof, and a nut screw-threaded on the projecting portion of said shank having a cylindrical extension surrounding said shank and projecting toward the adjacent side of said member adapted rotatably to fit the cylindrical opening of a terminal lug clamped by said nut to the adjacent side of said member, whereby, by substituting nuts with extensions of different diameters, terminal lugs with different size openings may be secured to said member.

2,154,164
RAIL AND CROSS-TIE ASSEMBLY
Charles H. R. Howe, Richmond, Va.
Application April 18, 1938, Serial No. 202,753
20 Claims. (Cl. 238—349)



1. A rail clip in the form of a relatively long bar of spring metal having spaced looped portions through which a fastener may extend, another portion to overlie and resiliently engage the base flange of an associated rail support, and a further portion in the form of a lug for interlocking engagement within a recess of said rail support.

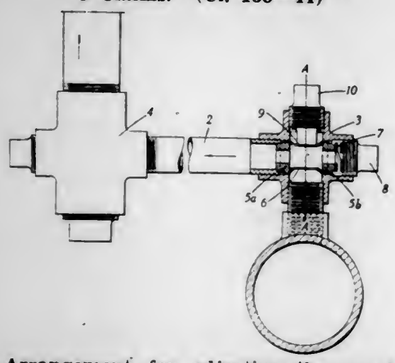
2,154,165
BARBECUE STAND
James M. Huntington, La Canada, Calif.
Application July 18, 1936, Serial No. 91,358
7 Claims. (Cl. 126—29)



1. A device of the character described comprising: a wheeled frame structure; an oven con-

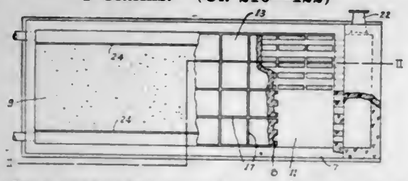
nected to said frame; upper and lower ring members provided on said frame; a barbecue pot; means formed integral with said pot and adapted for engagement with said ring members for supporting said pot in position in said frame; a grate associated with said pot; means integral with said pot for supporting said grate in the lower part thereof; a priming member connected to the lower surface of said grate; and an ash receiver detachably connected to said pot.

2,154,166
UNDERJET-FIRED COKE OVEN
George James Jackson, London, England, assignor to Woodall-Duckham (1920) Limited, London, England, a British company
Application March 10, 1937, Serial No. 130,167
In Great Britain April 27, 1936
3 Claims. (Cl. 138—44)



2. Arrangement for adjusting the supply of fuel gas to the heating flues of underjet-fired coke-ovens, comprising a fuel gas main, a branch pipe conveying fuel gas to a heating flue, a pipe connecting member having four branches at right angles, to two adjacent branches of which connecting member are connected said fuel gas main and said branch pipe, and an interchangeable nozzle-element containing a calibrated aperture, said nozzle-element being inserted into said connecting member through one of the remaining branches thereof, in the path of the fuel gas so that the flow of the fuel gas is through said calibrated aperture, and means removably inserted in each of the said remaining branches of the connecting member to close the same and to hold said nozzle-element positively in position without obstructing the flow of the fuel gas.

2,154,167
WATER TREATMENT
Harry Neville Jenks, Berkeley, Calif., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application June 26, 1933, Serial No. 677,605
4 Claims. (Cl. 210—122)

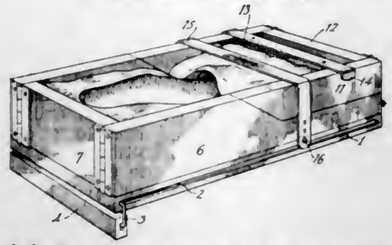


1. In a water treatment apparatus of the type wherein water is passed through a bed of sand, a substantially impervious foundation, a plurality of permeable ceramic units supported on the foundation and assembled to afford a continuous level upper surface, impermeable means dividing adjacent units for preventing infiltration of fluid between adjacent units, and a bed of sand resting on the said upper surface of the ceramic units, the said foundation and the said ceramic units having a construction and arrangement whereby they define a plurality of distribution channels separated from the bed of sand by the said ceramic units, the said ceramic units being permeable to water to permit the passage of a fluid backwash which suspends the overlying sand in the backwash as discrete particles, impermeable to sand, and fastened to the said foundation whereby they remain unmoved by the said fluid backwash through the said distribution channels and the said ceramic units.

2,154,168
DENTIFRICE
Henry Klein and Emanuel Kaplan, Baltimore, Md.
No Drawing. Application December 29, 1936, Serial No. 118,089
5 Claims. (Cl. 167—93)

1. An edible dentifrice resistant to bacterial decomposition comprising an intimate admixture of substantial concentration of a salt containing calcium and phosphate radicals, and a nitrogenous adhesive carrier resulting from the treatment of a substance from the group consisting of casein, egg albumin, gelatin, yeast, blood protein, and vegetable meals with a non-toxic alkaline reagent, the said composition having a pH of approximately 7.0–10.0.

2,154,169
MOLDING DEVICE
Paul O. Koehler, Louisville, Ky.
Application October 7, 1935, Serial No. 43,832
2 Claims. (Cl. 18—32)

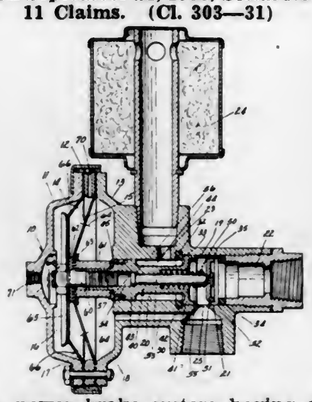


1. A foot molding device of the class described comprising: a flask, having a molding space; and a bar slidably connected to said flask for movement underneath the flask from one position, wherein it elevates one end thereof, to another position, wherein it elevates the opposite end thereof..

2,154,170
STABLE BASIC ALUMINUM FORMATE AND SOLUTIONS THEREOF
Leroy A. Kramer, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application February 2, 1938, Serial No. 188,391
11 Claims. (Cl. 134—11)

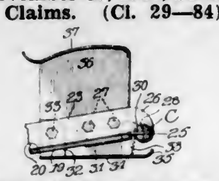
1. As an article of manufacture one-third basic aluminum formate including sufficient stabilizing material of the class consisting of adipic, acetic, propionic, butyric and succinic acids to produce a clear stable solution in water.

2,154,171
VEHICLE BRAKE
Gerhard C. R. Kuiper, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1936, Serial No. 101,719
11 Claims. (Cl. 303—31)



1. In a power brake system having a source of suction, a power cylinder to operate the brakes, a relay valve having a valve housing provided with a bore and ports communicating with said source of suction, power cylinder and the atmosphere, valve mechanism in said bore for controlling flow of the high and low pressure fluids to said power cylinder, a pair of spaced members responsive to differential pressure of vacuum and atmosphere to operate said valve mechanism, said spaced members defining a chamber between its adjacent sides at all times communicating with the atmosphere and defining variable pressure chambers between their opposite sides and said housing, means for at all times communicating one of said variable pressure chambers to said power cylinder, and a control valve for exposing the other of said variable pressure chambers to said source of suction and to the atmosphere.

2,154,172
COVER APPLYING MECHANISM FOR CAN WASHING MACHINES
Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Co., a corporation of Illinois
Application November 30, 1936, Serial No. 113,511
5 Claims. (Cl. 29—84)

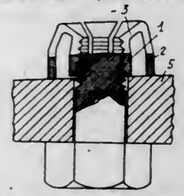


1. In a device of the character set forth, a frame, a cover chute movably mounted thereon, means for raising and lowering the chute, a cover release member secured to said chute and consisting of a cylindrical member rotatably mounted in the forward portion of said chute, said member having one side portion cut away so as to provide a top surface substantially flush with the surface of the chute when the cutaway portion is uppermost but presenting an obstruction above the surface of the chute when the cutaway portion is not uppermost, and means carried by the chute and adapted to be actuated by engagement with an object therebelow for rotating said bar to bring the cutaway portion thereof uppermost when an object is engaged.

2,154,173
PROTECTING WOOD FROM ATTACK BY INSECTS AND FUNGI
Frank H. Lyons, Milwaukee, Wis., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
No Drawing. Application December 8, 1930, Serial No. 500,982
10 Claims. (Cl. 21—52)

6. The method of protecting wood from attack by insects and fungi which comprises impregnating the wood with a readily volatile solvent containing an organic toxicant, which remains behind in the pores of the wood in a crystalline form after volatilization of the solvent and in an amount to produce a high degree of toxicity, the toxicant being selected from the group consisting of p-dichlorobenzene, 1-3-5-trichlorobenzene, m-dihydroxybenzene (resorcinol), o-dihydroxybenzene (catechol), 1-2-3-trihydroxybenzene (pyrogallol), mono-benzene-sulphonic acid, diphenyl, alpha-naphthol, beta-naphthol, alpha-naphthylamine, beta-chloro-naphthalene and alpha-nitro-naphthalene.

2,154,174
DEFORMABLE SELF-LOCKING NUT
Elie Raoul Marchou, Neuilly-sur-Seine, France
Application January 26, 1938, Serial No. 187,065
In France January 10, 1938
4 Claims. (Cl. 151—21)

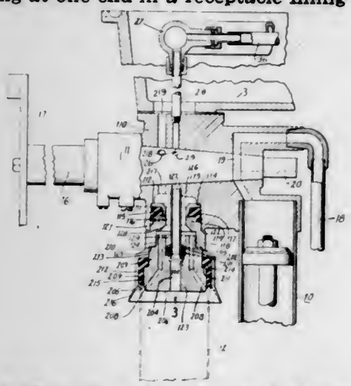


1. A self-locking nut comprising an inner tapped portion, an outer portion concentrically surrounding the inner portion and forming a skirt extending beyond the inner portion at one end, and a web connecting said two portions together at the other end, said web and the adjacent inner and outer portions having radial slits, the slits being also parallel to the axis of the nut through the connecting web.

2,154,175
APPARATUS FOR FILLING LIQUID RECEPTACLES
Edward Levy Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1936, Serial No. 73,754
7 Claims. (Cl. 226—115)

1. In a receptacle filling apparatus, a filler body comprising a head having a nozzle provided with an end portion for insertion into the mouth of a receptacle to be filled, sealing means for sealing the mouth of the receptacle upon the head, valve controlled liquid and gas conduit means in the body for conducting liquid to the nozzle and for conducting from the nozzle receptacle gas displaced by the liquid, a gas passageway extending longitudinally through the nozzle and terminating at one end in a receptacle gas-receiving orifice at the said nozzle end portion, a walled conduit sealedly communicating at one end with the other end of said gas passageway and at its opposite end with the gas conduit means, a plurality of outwardly laterally diverg-

ing liquid passageways in the nozzle extending longitudinally therethrough in radially spaced relation to the said gas passageway and each terminating at one end in a receptacle filling orifice

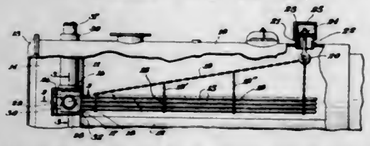


at the said nozzle end portion and at the other end opening into a chamber, said chamber surrounding said walled conduit and communicating with the said liquid conduit means.

2,154,176
CARBAZOLE DERIVATIVES
Walter Mieg, Opladen, and Willy Burneleit, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 14, 1936, Serial No. 90,612. In Germany August 2, 1935
6 Claims. (Cl. 260—315)

3. The process of preparing carbazoles which comprises reacting copper at an elevated temperature with a secondary amine wherein one of the substituents represents an aryl radical and the other represents a 1-4-naphthoquinone radical, the imino group being directly attached to a benzene ring of the aryl radical and to the paraquinone ring of the other radical and wherein each of the said radicals contains a halogen atom in one ortho-position to the imino group.

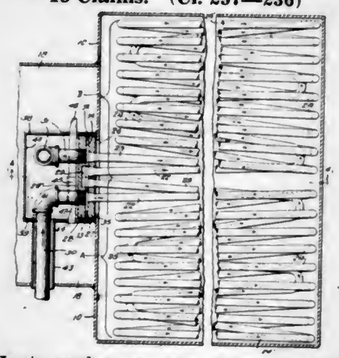
2,154,177
FLUID HEATER
Virgil W. Moray, New York, N. Y., assignor to Akwa Heaters, Inc., New York, N. Y., a corporation of New York
Application June 19, 1935, Serial No. 27,281
15 Claims. (Cl. 122—32)



13. A boiler comprising a shell, tube sheets, boiler tubes extending between the tube sheets, a fluid heating coil extending through a tube sheet, a head for the coil, and means including a wedge cooperating with a member secured at a fixed distance from the tube sheet for forcing the head against the tube sheet to seal the head thereon.

15. A boiler having a shell, a bank of boiler tubes in the shell, a fluid heating coil in the shell, a flexible member for suspending the coil out of contact with the boiler tubes, means for supporting the flexible member from the shell, and means for adjusting the supporting means for varying the distance the coil is suspended out of contact with the boiler tubes, said adjusting means being accessible from outside the shell.

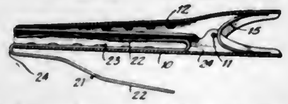
2,154,178
FLUID HEATER
Virgil W. Moray, New York, N. Y., assignor to Akwa Heaters, Inc., New York, N. Y., a corporation of New York
Application September 21, 1935, Serial No. 41,533
15 Claims. (Cl. 257—236)



14. Heat exchange apparatus comprising a shell having an opening therein, a fluid heating coil extending through the opening, a head for the coil comprising a plurality of cooperating sections, wedging means, and means secured to the shell and acted against by said wedging means to secure the cooperating sections of the coil head together and to secure the coil head in position against the shell.

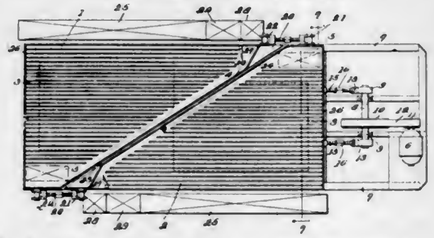
15. Heat exchange apparatus comprising a plurality of separate coil sections each consisting of a plurality of connected and adjacent tube loops arranged to form a relatively flat helicoidal coil with tubular coil leads connected to the terminal loops of the coil and with one of said leads extending through the space defined by the tubes forming said loops and being bent to provide a resilient portion whereby said lead may be contracted and expanded, said lead having a part thereof disposed in proximity to the other lead, and a single coil head for all of said coil sections to which said leads are connected.

2,154,179
HAIR CURLER
James A. Murdock, Chicago, Ill.
Application May 27, 1938, Serial No. 210,310
6 Claims. (Cl. 132—41)



6. A hair curler comprising a hollow bar on which a strand of hair may be wound, and a lock member comprising two outer legs, an intermediate length therebetween and a pair of return bends connecting the ends of said intermediate member to said legs, either of said return bends being adapted to be inserted into said hollow bar in such manner that the intermediate length and the adjacent leg are resiliently forced against the interior of the bar, whereby the member is resistantly held against rotation with the outer leg in overlying relation to the bar.

2,154,180
DRY COAL CLEANING APPARATUS
Edward O'Toole, Jr., Kingsport, and Karl K. Wilcox, Johnson City, Tenn., assignors to American Coal Cleaning Corporation, Welch, W. Va., a corporation of West Virginia
Application November 3, 1936, Serial No. 109,008
10 Claims. (Cl. 209—467)



2. A dry coal cleaning apparatus comprising two decks, means for reciprocating said decks, the decks arranged so that the discharge end of one deck is along side of the feed end of the other deck, means whereby the major part of the coal is separated leaving middlings, means for feeding the middlings of one deck to an adjacent passageway of the other deck, said passageway being connected with the feed end of the first said deck whereby the middlings are returned to the deck on which they originated.

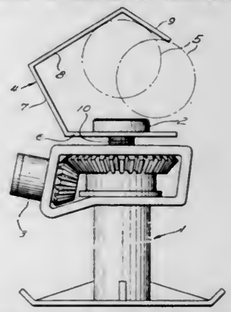
2,154,181
PEN NIB
Carl Pfanstiehl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company, a corporation of Illinois
Application June 15, 1936, Serial No. 85,361
2 Claims. (Cl. 120—109)



1. A pen point comprising a stainless steel nib of the 18—8 type welded to a hard metal tip, the stainless steel metal adjacent and about a portion of the tip being rendered more corrosion-resistant by quenching from a high temperature, and the remaining portion of the nib having substantially its original characteristics.

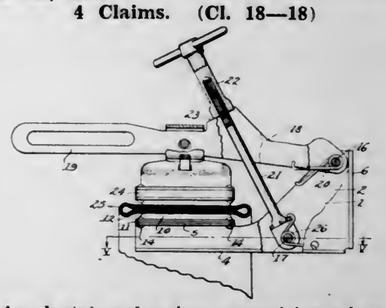
2,154,182
CENTERING JACK
Carl R. Proctor, Lewiston, Maine
Application August 14, 1936, Serial No. 96,099
1 Claims. (Cl. 254—133)

As a new article of manufacture, a centering means for the head of a jack, comprising a flat base plate provided with an aperture to supportingly receive the upper portion of the jack screw adjacently below the elevating head thereon, a V-shaped member disposed above said base plate with the apex of said member coplanar with the axis of said aperture, one side of said member being longer than the other side, and an upwardly and outwardly extending connecting member integral with the contiguous ends of said base plate and said longer side of said V-shaped member, the shorter side of said V-shaped member having the free lower end thereof spaced from the base plate a distance sufficient to permit



the free insertion of an axle housing or like article by horizontal movement of the device.

2,154,183
ELECTRIC VULCANIZER
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, a corporation of Ohio
Original application February 1, 1934, Serial No. 709,385. Divided and this application September 13, 1935, Serial No. 40,467. Renewed August 25, 1937
4 Claims. (Cl. 18—18)

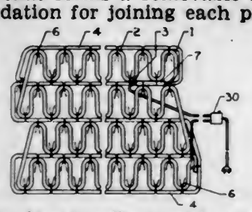


2. An electric vulcanizer comprising a base section, a lever pivoted at one end to said base section, a stationary shoe carried in connection with said base section, a movable shoe pivotally carried by said lever, a clamping device comprising a member associated at one end with said base section, said member having means forming a shoulder disposed adjacent its opposite end, means for adjustably moving said shoulder with respect to the base for causing said shoulder to bear against said lever intermediate the pivotal connection of the lever with the base and the pivotal connection of the lever with the shoe, and means normally tending to bias the clamping device in a position in which the shoulder is in cooperative relation with the lever when the movable shoe is moved to its cooperative position with the stationary shoe.

2,154,184
ELECTRIC HEATING MECHANISM
Donald Roberts, Battle Creek, Mich.
Application February 24, 1936, Serial No. 65,327
26 Claims. (Cl. 219—46)

21. An electric heating mechanism that is relatively pliable in all directions, which comprises a plurality of relatively narrow pliable sections, each section being formed from a heating element laid in zigzag pattern and electrically connected in series to the next adjacent section, and a hinge system which is a pliable non-conductor

of electricity that forms a removable sustaining skeleton foundation for joining each pair of adjacent sections close together, yet in spaced apart relation.



2,154,185
BONDED ABRASIVE AND METHOD OF MAKING THE SAME
Norman P. Robie, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application September 30, 1937, Serial No. 166,565
4 Claims. (Cl. 51—280)

1. The improvement in the process of making articles from granular material bonded with a difficultly fusible but solvent-softenable binder which comprises the steps of preparing a mixture of granular material and binder of the character specified, forming a shaped mass from the mixture, and subjecting the shaped mass to the vapors of a solvent for said binder under super-atmospheric pressure to bring about bonding of the granular material.

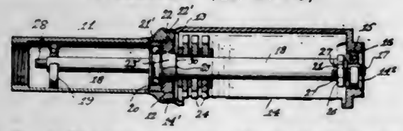
2,154,186
WATER-SOLUBLE AZO DYESTUFFS
Hugo Schweitzer, Leverkusen-Wiesdorf, Otto Bayer, Leverkusen I. G.-Werk, and Gerhard Schrader, Opladen, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 5, 1936, Serial No. 83,792. In Germany June 29, 1935
3 Claims. (Cl. 260—163)

1. Watersoluble mono-azo dyestuffs of the general formula:

$$\begin{matrix} R{-}N{=}N{-}R_1 \\ | \\ SO_3F \end{matrix}$$

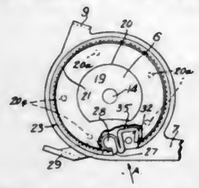
wherein R stands for a member of the group consisting of phenyl and alkyl substituted phenyl and R_1 stands for a member selected from the group consisting of 2-hydroxy naphthalene-6-sulfonic acid and coupling components containing at least one sulfonic acid group of the alkyl aminonaphthol, acyl aminonaphthol and pyrazolone series, which dyestuffs yield on animal fibers in general clear shades of good fastness to light.

2,154,187
FISH SCALER
Earl L. Scoville, Ashtabula, Ohio
Application May 10, 1937, Serial No. 141,786
2 Claims. (Cl. 17—5)



1. In a fish scaling tool, embodying a tubular handle having an enlarged portion at one end, a burr casing detachably secured to said enlarged portion in alinement with the handle, an annular recess formed in said enlarged portion, an intermediate ball bearing fixed in the annular recess, a stop bushing threaded in said annular recess in front of the intermediate ball bearing, other ball bearings being fixed in the end of the handle and burr casing respectively, a shaft having an enlarged part forming an abutment, said shaft being mounted to rotate in all of said bearings, a burr comprising a plurality of burr disks mounted on said shaft, and an adjustable nut on the shaft for clamping said burr disks tightly together and against the abutment of the shaft.

2,154,188
BRAKE FOR CYCLES AND THE LIKE
William Walter Warrington, Dulwich Hill, near Sydney, New South Wales, Australia
Application October 11, 1937, Serial No. 168,514
In Australia October 30, 1936
4 Claims. (Cl. 188—78)



1. A braking mechanism of the internal expanding type for cycles and the like having a circularly or approximately circularly arranged adjustably fitted expansible brake band with a gap between its two ends between which latter are disposed a brake band expanding element and a brake band adjusting element which are together suitably housed and fitted almost wholly within the space which is nearly encircled by the said brake band, and wherein the said expansible brake band has formed on its inner surface a groove which adapts it to be engaged by and about the bent edge of a substantially ring-shaped retaining element for it.

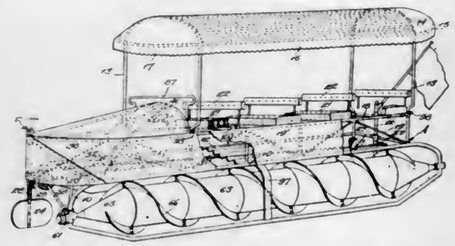
2,154,189
SOLVENT TREATMENT OF OILS
James W. Weir, Los Angeles, Calif., assignor, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application June 8, 1936, Serial No. 84,163
8 Claims. (Cl. 196—13)

1. The method of separating high viscosity index from low viscosity index components of petroleum oil which comprises contacting the oil with a selective solvent which does not react with alkali, in the presence of an aqueous alkali metal hydroxide solution in sufficient amount to form three phases, causing the extract phase to be dispersed in a continuous raffinate phase, then separating and separately removing raffinate phase, extract phase and alkali metal hydroxide phase.

2,154,190
SOLVENT REFINING AND DEWAXING OF OILS
James W. Weir, Los Angeles, Calif., assignor, by mesne assignments, to Edeleanu Gesellschaft, m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application June 8, 1936, Serial No. 84,164
18 Claims. (Cl. 196—13)

1. The method of refining hydrocarbon oil comprising dissolving the oil in pyridine-type solvent, removing precipitated wax, contacting the oil solution from which the wax has been removed with an aqueous alkali solution of such volume and concentration as to form a separate alkaline layer in equilibrium with the oil and solvent and to cause the oil to separate into two liquid phases of which the phase containing the more naphthenic and aromatic components of the oil is dispersed in a continuous menstruum of the phase containing the more paraffinic components of the oil.

2,154,191
HYDRO-SAFETY CRAFT
Alonzo P. Welsh, Tyler, Tex., assignor of one-third to Elizabeth R. Welsh, Springfield, Ohio
Application June 23, 1937, Serial No. 149,992
6 Claims. (Cl. 115—19)

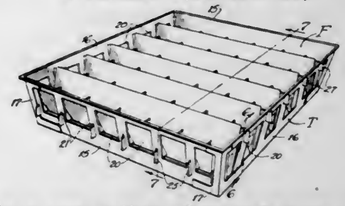


1. A craft of the character described comprising a frame having spaced parallel open side members, rotary pontoons journaled within the open side members, spiral blades on said pontoons and extending throughout the major length thereof, driven mechanism associated with the frame and having connections with said pontoons for rotation thereof, yieldable anti-dead center connections included in said driven mechanism, a foot treadle adjustably joined with the anti-dead center connections, a swingable handle bar pivotally supported in the frame and swingably carrying said foot treadle, and latches for the joinder of the foot treadle with the anti-dead center connections.

2,154,192
C-SUBSTITUTED PHENOLS AND PROCESS FOR MAKING SAME
Alois Zinke, Graz, Austria, assignor to the firm Beck, Koller & Company, Inc., Detroit, Mich.
No Drawing. Application April 15, 1936, Serial No. 74,595. In Austria May 7, 1935
10 Claims. (Cl. 260—624)

1. A process for producing, on the one hand, resinous alkyl-substituted phenols which are readily soluble in drying oils and hydrocarbons, and on the other hand, liquid hydrocarbons substantially free from unsaturated olefinic portions and alkyl-substituted phenols, in a single working step from cracked gasoline which contains a substantial proportion of reactive compounds of a highly unsaturated character, obtained by cracking in the vapor phase a high molecular substance which is a member of a group consisting of high boiling and non-volatile petroleum fractions, shale oil, and brown coal tar oils; which process comprises reacting said cracked gasoline by the Friedel-Crafts' synthesis with a phenol in substantial excess over the quantity equimolecular to the olefinic portion of the cracked gasoline, and separating out the alkyl-substituted phenols.

2,154,193
FILLER TRAY FOR EGGS AND THE LIKE
Leon Benoit, New York, N. Y.
Application April 28, 1937, Serial No. 139,360
9 Claims. (Cl. 217—23)



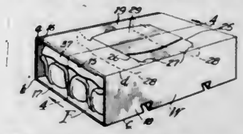
3. As a new article of manufacture, a walled tray having upper and lower nonintersecting supports removably supported at their ends in the walls thereof to extend transversely therebetween, and a filler comprising a sheet folded to provide plural troughs having also plural sets of slots aligned transversely of the troughs, the upper supports serving to engage and support the sheet between the troughs and the lower supports being extended through the slots of the sheet to subdivide the troughs.

2,154,194
FILLER PACKAGE
Leon Benoit, New York, N. Y.
Application May 26, 1937, Serial No. 144,903
12 Claims. (Cl. 229—29)



1. In a filler package, the combination of an open ended normally collapsible tubular carton, a filler of less height than the carton fitted therewithin, and a cross brace element of materially less length than the distance between the open ends of the carton extending transversely and vertically within the space between the filler and carton to engage the side walls of the carton at the sides of said element to resist lateral swaying of the carton.

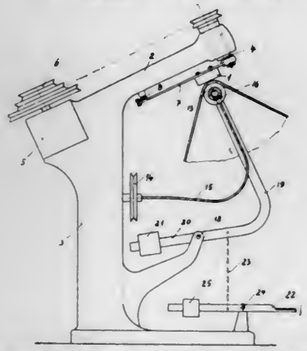
2,154,195
FILLER PACKAGE
Leon Benoit, New York, N. Y.
Application December 11, 1937, Serial No. 179,351
11 Claims. (Cl. 229—29)



1. In a filler package, the combination of a filler, an open ended enclosure extending under, around and over the filler in spaced relation to the top thereof, interengaging means on the filler and enclosure in the bottom portion thereof for resisting endwise sliding movement of one relative to the other, and brace means extending transversely within the space between the filler and enclosure, said brace means being of a size to extend from the filler to the enclosure top

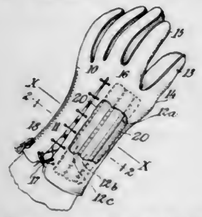
and from side to side thereof to maintain the filler in operative relation to the interengaging means in the bottom portion of the enclosure and to provide a vertical and transverse strengthening means for the package.

2,154,196
MACHINE FOR RUBBING HATS
Viktor Böhm, Vienna, Austria
Application August 1, 1936, Serial No. 93,756
In Austria February 21, 1936
7 Claims. (Cl. 223—20)



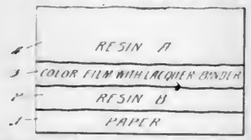
1. A machine for treating the surface of felt hats and the like characterized by a rubbing implement adapted to cooperate with a revoluble and movable hat supporting abutment, means for positively driving said abutment being movable in a direction and with a velocity different from the rubbing implement and imparting to the hat a movement beneath the rubbing implement, said abutment being of a shape different from that of the hat being treated, and being of a size that only the portion of the hat being subjected to treatment is engaged thereby, the remaining portion of the hat hanging free and loose so that any desired part of the hat can be brought underneath the rubbing implement without regard to its external shape and can be rubbed with a stronger or lesser pressure in different places as required and means for moving the rubbing implement bodily in a plane substantially tangent to the supporting surface of the supporting abutment and in a curved path.

2,154,197
GLOVE FOR RESTRAINING WRIST MOTION
Harold Joubert Callaway, Skytop, Pa.
Application October 25, 1937, Serial No. 170,803
4 Claims. (Cl. 2—159)



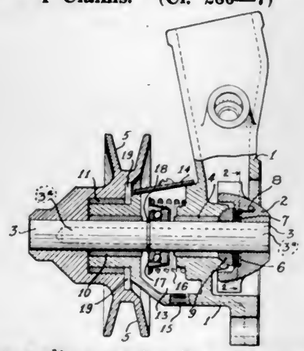
1. A golf glove comprising a hand portion and a cuff made of soft pliable leather or the like and adapted to fit fairly snugly over the hand, the wrist and a part of the forearm of the wearer, and a plurality of stays carried on the back and inner side of the glove and extending across the wrist joint of the wearer in a direction generally parallel to the forearm, said stays being made of softly resilient material such as will oppose without preventing movement of the wrist of the wearer in any normal direction.

2,154,198
DECALCOMANIA
John B. Carr, Detroit, Mich., and Harry C. Rathke, Chicago, Ill., assignors to The Meyercord Company, a corporation of Illinois
Application April 8, 1937, Serial No. 135,666
5 Claims. (Cl. 41—33)



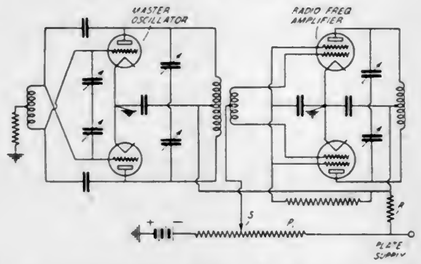
1. A decalcomania comprising a backing having thereon a coating composed mainly of vinyl resin and a plasticizer, together with a film to be transferred overlying the said coating; that part of the film in contact with said coating being composed of lacquer having little affinity for the latter, whereby the backing and its coating may be stripped from the film, in a dry state, in transferring; and the exposed face of the film being largely composed of "phenac" resin and ethyl cellulose and having a strong affinity for said lacquer and giving to the film the capacity to be adhered firmly to a surface when engaged directly with the latter, in a dry state, and pressed against the same by means of a heated pressure device.

2,154,199
SEALING CONSTRUCTION
Archie T. Colwell and Otto M. Burkhardt, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio
Application June 1, 1936, Serial No. 82,987
4 Claims. (Cl. 286—7)



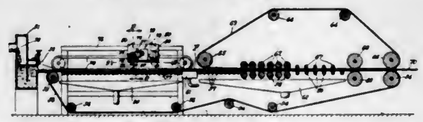
1. In a sealing construction, the combination of a housing, a rotatable shaft member extending therethrough, a sealing means arranged between said housing and shaft member, said sealing means comprising a resilient vibration-dampening washer carried by the shaft member, a corrosion-resisting washer arranged adjacent said resilient washer so as to protect the same and having fixed rotative position with respect thereto and being free of said shaft member, and a comparatively hard washer arranged between said corrosion-resisting washer and the housing.

2,154,200
VOLTAGE REGULATOR DEVICE
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 12, 1934, Serial No. 752,653
4 Claims. (Cl. 179—171)



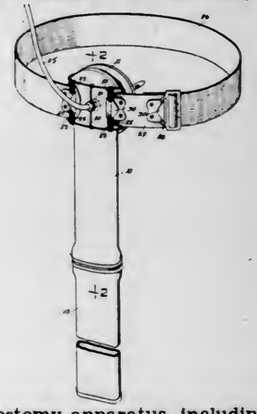
1. In combination, a pair of electron discharge devices, each having anode, cathode and control grid electrodes, said cathodes being connected together, an input circuit coupled to said control electrodes and an output coupled to said anodes whereby said pair of devices act in push-pull relationship with respect to one another, a master oscillator having an output circuit coupled to the input circuit of said pair of electron discharge devices, a common source of supply for the output electrodes of said master oscillator and pair of electron discharge devices, and a connection including a resistance in common to said master oscillator and pair of devices from said source to the electrical mid-point of said output circuit and the output circuit of said master oscillator, a potentiometer extending from said source to ground, and a connection from the electrical mid-point of said input circuit to a point on said potentiometer whereby said pair of electron discharge devices acts as a voltage regulator both for itself and said master oscillator.

2,154,201
MANUFACTURE OF SURFACED FELTED SHEETS
Orcutt W. Frost, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application March 23, 1936, Serial No. 70,333
2 Claims. (Cl. 92—39)



1. The method of making artificial board in the form of substantially rigid thick felted fiber sheets with special surface characteristics which comprises forming a felt on a screen from a uniform aqueous slurry of pulp, including dewatering the pulp through the screen whereby the felt formation is initiated, and disturbing the top layer of the felt by displacing portions of the partially dewatered pulp slightly to produce permanent variations in thickness of the felt as hills and valleys therein, the disturbance of the felt being such as not to destroy the original felted character of the bottom layer of the felt and such as not to destroy a felted relation between the displaced portions and the bottom layer, then further dewatering the felt, and drying the resulting sheet to form a flat rigid board while simultaneously pressing the high spots to the same level, whereby the treated surface is uneven and the sheet has a uniform caliper.

2,154,202
COLOSTOMY APPARATUS
Rudolph Gricks, New York, N. Y.
Application April 20, 1937, Serial No. 137,951
3 Claims. (Cl. 128—283)



1. A colostomy apparatus, including a tubular member having an entrance opening in its inner wall adjacent its upper end, a flange around the opening adapted to bear against the wearer's body, a nipple on the outer wall of the member in line with the center of the entrance opening adapted to permit the passage of a catheter therethrough, a frame located on the upper portion of the tubular member, said frame including a ring surrounding said nipple for supporting the same and encircling members encircling the upper part of said tubular member for preventing the collapse thereof, a belt adapted to be located around the body of the wearer, and hooks on the ends of the belt engaging the frame.

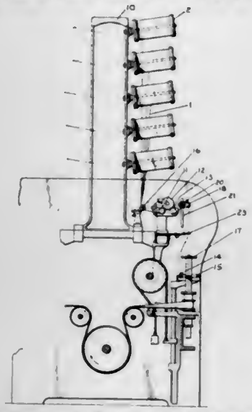
2,154,203
MANUFACTURE OF SHAPED ARTICLES OF HIGHLY POLYMERIC COMPOUNDS
Otto Hauffe, Eilenburg, Germany, assignor to Deutsche Celluloid-Fabrik, Eilenburg, Germany
No Drawing. Application November 10, 1936, Serial No. 110,115. In Germany November 13, 1935
6 Claims. (Cl. 18—55)

2. A process of producing shaped articles from a mixture of polymerized vinyl chloride and chlorinated polymerized vinyl chloride, which comprises plastifying said mixture by means of ethyl formate, molding said plastic mass, drying said mass, immersing said mass into water until saponification of the ethyl formate is complete, and washing said mass with water.

2,154,204
RAYON STRUCTURES AND THEIR METHOD OF PREPARATION
George Preston Hoff and Harold Henry Parker, Kenmore, N. Y., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 2, 1934, Serial No. 728,802
8 Claims. (Cl. 57—157)

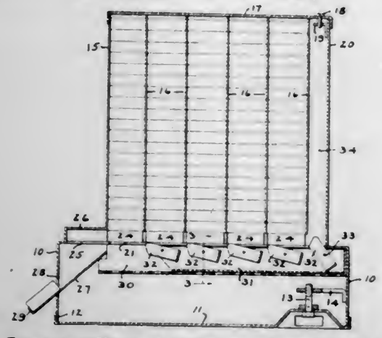
1. A method of twisting strong rayon of the re-

generated cellulose type and having a dry tenacity at ordinary room temperature of at least 2.5 grams per denier into a strand for use



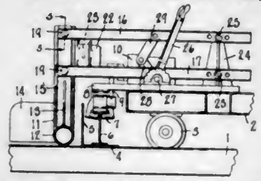
as a reinforcement for rubber structures which comprises imparting to the strong rayon a substantial twist and then, in a separate step, imparting an additional twist in the same direction.

2,154,205
VENDING MACHINE
Justus C. Irwin, Minneapolis, Minn., assignor to Herman B. Laymon, Spencer, Ind.
Application October 25, 1937, Serial No. 170,796
4 Claims. (Cl. 312—67)



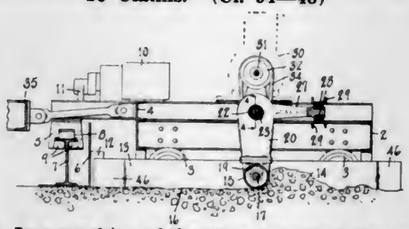
1. In a vending machine, a package magazine having a plurality of package carrying columnar compartments each discharging from the bottom, a base under the compartments having a track on which the bottom package in each column may rest and a longitudinal slot in the track, said track being positioned below said compartments a distance equal at least to the height of a package to be carried therein, a sliding member U-shape in cross-section, under said track, a plurality of U-shaped dogs each comprising a pair of parallel bars connected by a cross bar rockably pivoted to and between the sides of the member in the line of said bottom packages to have package ejector ends normally biased by the weight of the cross bars to contact the cross bars with the bottom of the track and rock the upper ends of the dogs upwardly above said track, into the paths of said packages thereon through the slot in the track, and means carrying and limiting the travel of said slide member whereby the member may be initially shifted in one direction to have one of said dog ejector ends rock up beyond an end package first appearing on said track under said compartments while other packages ahead of that package have the ejector ends of other dogs bearing up against their under sides, to permit the slide member then being shifted in the opposite direction along said track to have said rocked dog push on said end package and in turn push other bottom packages ahead of it a distance of at least one package length, said track terminating in a package discharge station receiving the package there pushed.

2,154,206
CONCRETE PLACING MACHINE
Corwill Jackson, Ludington, Mich.
Application April 9, 1935, Serial No. 15,460
8 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination of a carriage, an elongated vibrating element of cylindrical cross section disposed horizontally and provided with an upwardly projecting longitudinal centrally disposed face plate and forwardly diverging wings at the ends thereof, a central upright on said vibrating element, means for vibrating said vibrating element and the parts carried thereby comprising a motor mounted on said upright and provided with a rotor having an unbalancing weight, a support for said vibrating element comprising coacting pairs of parallel bars pivotally mounted on said carriage and having resilient connections to said upright, and means operatively associated with said parallel bars for raising and lowering said vibrating element.

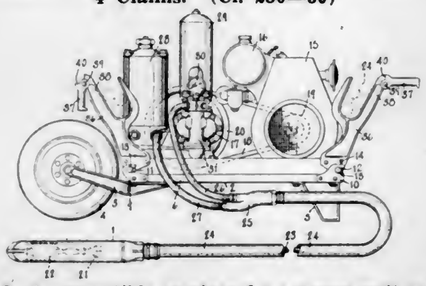
2,154,207
CONCRETE PLACING APPARATUS
Corwill Jackson, Ludington, Mich.
Application January 10, 1936, Serial No. 58,556
16 Claims. (Cl. 94—48)



1. In a machine of the class described, the combination with a wheeled carriage, of a screed mounted on said carriage for horizontal reciprocatory motion, side plates mounted on said carriage in front of said screed and at the inside of the carriage wheels with their lower edges in approximately the plane of the bottom of the wheels, a tubular cylindrical vibratory element disposed in advance of said screed between said side plates, said vibratory element being provided with a tubular upright opening to said vibratory element, a flexible supporting means for said upright including a cushioned laterally projecting supporting arm for maintaining the upright

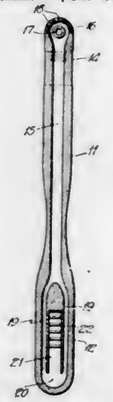
in upright position, an unbalanced rotor mounted within said vibratory element, a motor mounted on said carriage, and driving connections therefor to said rotor including a transmission belt disposed through said upright.

2,154,208
TRANSPORTABLE SUPPORT FOR POWER IMPLEMENTS AND UNITS
Corwill Jackson, Ludington, Mich.
Application June 8, 1936, Serial No. 84,035
4 Claims. (Cl. 280—30)



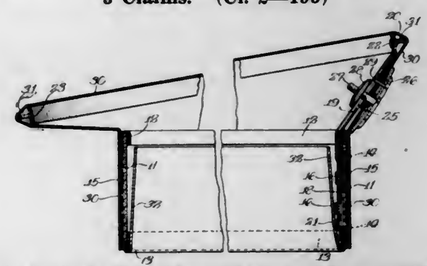
3. A convertible carriage for a power unit comprising a frame having wheel forks at one end and supporting legs at the other end and a wheel mounted on said forks, said frame being provided with corner brackets having horizontally disposed slots, and a bed having laterally projecting lugs adapted to detachably engage said horizontally disposed slots, said bed carrying handles adapted for carrying the bed when detached from the frame or for manipulating the carriage when the bed is attached to the frame.

2,154,209
COMBINATION TOOTH BRUSH AND SIPPER
Jack Kohn, Brooklyn, N. Y.
Application June 4, 1937, Serial No. 146,335
1 Claim. (Cl. 299—17)



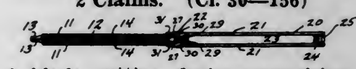
A sipper device for conveying water from a stream of faucet water into the mouth of a user comprising an elongated member having a mouth piece at one end thereof and a flat head at the other end thereof, a bore extending lengthwise within said member from the mouthpiece end thereof, the inner end of said bore terminating in an elongated loop portion within said flat head, an elongated chamber within said head and disposed intermediate the branches of said elongated loop portion and opening into the closed end of said loop portion, and a plurality of spaced transversely disposed water inlet openings in one side of said flat head which open on their inner sides into said chamber while their outer sides open onto one of the flat sides of said flat head.

2,154,210
ADJUSTABLE INSIGNIA OR BADGE HOLDER AND SUPPORT FOR UNIFORM CAPS
Harry Lev, Chicago, Ill.
Application August 26, 1938, Serial No. 226,878
3 Claims. (Cl. 2—195)



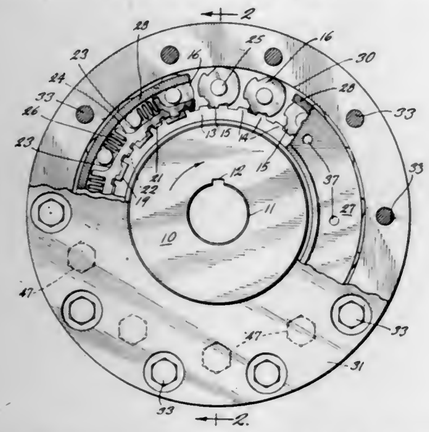
1. An insignia holder and support for a uniform cap comprising a first member, said first member being provided with a barred slot, a second member, said second member being removable and having an elongated slot which is closed on four sides, said second member with its closed slot being adapted to carry an insignia in said slot, said insignia being held and limited in its movement in said slot, said second mentioned member having portions thereof in three separate planes, one portion of said second member slidably engaging said first mentioned member in the barred slot thereof, the second mentioned portion of said second member embodying the said elongated and closed slot and being angularly disposed to the balance of said second mentioned member, and a third section thereof in a third plane, and a spring cap cover supporting annular band secured to said third section of said second member but being otherwise unsecured in said cap.

2,154,211
BLADE CUTTER
Jens A. W. Madsen, Sioux City, Iowa
Application February 5, 1937, Serial No. 124,256
2 Claims. (Cl. 30—156)



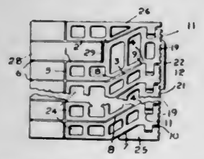
1. A blade cutting device comprising an enclosed blade receiving member including spaced side walls and having an upper opening, an end shoulder for retaining a projecting edge of the blade, an outer casing pivoted to said blade receiving member, means for compressing said blade receiving member side walls against the blade during opening movement of the casing including oppositely indented portions in said side walls, said outer casing walls arranged to coact therewith during said opening movement, the direction of movement of said casing walls being in the same plane as the blade and the blade receiving member, said receiving member side walls having major outwardly indented portions, said casing having minor inwardly indented portions against which said major portions compress during movement of the casing, said major indentations in said side walls merging with the minor indentations to receive the same therein when the casing is fully opened to provide retention means.

2,154,212
CLUTCH
Alfred Moorhouse, Detroit, Mich., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York
Application January 8, 1937, Serial No. 119,564
10 Claims. (Cl. 192—45.1)



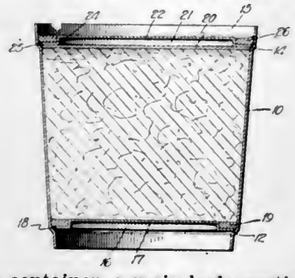
1. An overrunning clutch comprising coaxially rotatable driving and driven members, a cam element on one of said members and pivotal into a position to effect a driving connection between said members, said cam element having a surface for frictionally engaging the other of said members so that relative rotative movement between said members in one direction causes said cam element to pivot into such driving connection position, said cam element having a bearing surface disposed substantially concentrically of its pivotal axis, and bearing means rollably engaging said bearing surface, said bearing means preventing bodily movement of said cam element toward the other of said members but permitting relative lateral rolling movement of the cam element in a path concentric to the axis of said coaxial members.

2,154,213
BUILDING TILE
Nicholas A. Noce, New York, N. Y.
Application April 15, 1937, Serial No. 136,999
5 Claims. (Cl. 72—41)



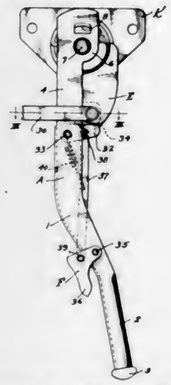
1. In a building wall, a tile having an upper and lower table and an inclined surface between said upper and lower table, said tile having an under surface vertically below said upper table resting on the upper table of the tile in the course below and an under surface vertically under the lower table substantially less in vertical distance than the under surface vertically below the upper table, thereby providing a space for mortar on said lower table and between said table and the under surface of the tile in the course directly above said lower table.

2,154,214
CONTAINER AND SEAL THEREFOR
Jesse E. Roach, New York, and Harry C. Lohman, Brooklyn, N. Y., assignors to Cold Pack Container, Inc., Edgewater, N. J., a corporation of New Jersey
Application April 23, 1937, Serial No. 138,506
7 Claims. (Cl. 229—5.5)



1. In a container, a main body portion having an internal annular shoulder adjacent each of its ends, a disk supported upon each of said shoulders, a second disk supported upon one of said first-mentioned disks, a sealing means for securing said second disk in position upon the disk upon which it is supported, and means for rupturing said sealing medium.

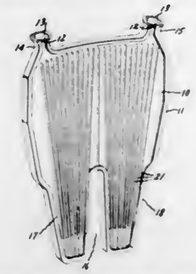
2,154,215
SPRING FRICTION BRAKE LEVER
Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 31, 1937, Serial No. 156,638
4 Claims. (Cl. 74—531)



1. An automotive vehicle emergency brake lever construction including a control member and a crank, said crank being operatively connected with the brake mechanism of the vehicle, a drum having a cylindrical flange, a helically coiled spring having its convolutions in a cylindrical surface and normally in frictional engagement with said drum flange and having its ends deflected out of the cylindrical surface of its convolutions, said control member being pivotally movable about the drum axis and having a part engaging with said spring ends to release the spring from frictional engagement with the drum flange whereby said spring may be turned in either direction of rotation about the drum axis, a yoke within said drum arranged with its ends against the spring ends and so disposed

with respect to said ends as to expand said spring into frictional engagement with said drum flange when pressure is applied to said yoke, said crank being pivotally mounted on the drum axis and having a part engageable with said yoke to tighten and frictionally lock the spring to the drum flange when the crank tends to move in retrograde direction under influence of tension of the brake mechanism after said crank has been moved by said control member to brake setting position, said control member and crank having cooperating parts to latch them together against relative movement in retrograde direction to thereby prevent any force unintentionally applied to said control member which would otherwise move it in retrograde direction, from so moving said control member and crank, and thereby accidentally releasing the brakes; and manually operable means carried by said control member for unlatching said cooperating parts to allow intentional movement of the control member in a direction to release the brakes.

2,154,216
COOLING PAD
Marion A. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1936, Serial No. 86,966
2 Claims. (Cl. 257—256)



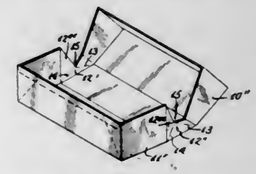
2. A flat hollow pad having strips therein attached to the inner surfaces of the faces of said pad and spaced from one another and alternately from opposite edge walls of said pad to form a sinuous passageway of non-uniformly varying cross-sectional area which occupies substantially all of the hollow portion of said pad and having attached to the inner surfaces of the faces of said pad and extending along each portion of said passageway between said first-mentioned strips and between said first-mentioned strips and the edges of said pad adjacent thereto a plurality of aligned strips, the adjacent ends of which are spaced from one another at points opposite the central portions of said first-mentioned strips and adjacent to points of material variation in the cross-sectional area of said sinuous passageway.

2,154,217
METHOD OF FABRICATING HOLLOW PADS
Marion A. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 24, 1936, Serial No. 86,966. Divided and this application April 8, 1937, Serial No. 135,751
7 Claims. (Cl. 29—157.3)

1. The method of making a hollow pad which comprises superimposing two metal sheets one upon the other, simultaneously turning up the edge portions of said sheets to form pans which closely fit one within the other, removing excess metal from the turned up portions of said pans to form flanges of uniform width, separating, reversing and assembling said pans with their hollow portions forming the hollow portion of the pad, and integrally uniting the turned up portions of said pans.



2,154,218
ONE-PIECE FOLDING CARDBOARD BOX
Morton E. Seifer, New York, N. Y.
Application April 26, 1937, Serial No. 138,961
5 Claims. (Cl. 229—31)



1. A one piece folding box comprising a lid section and a body section, each of said sections having a main wall, outer side walls, end walls, and an inner side wall common to both sections, all of said walls being connected and foldable with reference to each other, and substantially L-shaped webs having legs of substantially equal length connecting like end walls of the sections and arranged with the vertical arms foldably joining with the end walls of the body section and with the horizontal arms foldably joining with the end walls of the lid section, and converging lines of folds from the bottom corners of the webs to the inner corners of the junctions of the arms thereof.

2,154,219
LITHOGRAPH PLATE
Joe V. R. Shepherd, Needham, Mass.
No Drawing. Application June 28, 1935, Serial No. 28,872
3 Claims. (Cl. 101—401.1)

1. A plate for use in lithography comprising a water-repellent paper base coated with a coating comprising casein, silicious clay and formaldehyde, said coating possessing an affinity for lithography water and grease such that said water or grease, when applied to the plate, is not displaced by the subsequent application of the other material.

2,154,220
PROCESS FOR PRODUCING COATINGS ON PLASTER OR OTHER SURFACES
Kurt Sponsel, Wiesbaden-Biebrich, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
No Drawing. Application September 15, 1937, Serial No. 163,919. In Germany September 26, 1936
5 Claims. (Cl. 91—68)

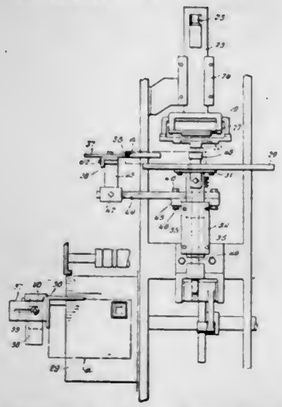
1. A process for producing coatings on walls, plaster, cements and other similar surfaces, comprising coating the support with an aqueous solution containing a water-soluble salt of a cellulose ether carboxylic acid and after-treating the

obtained coating with a solution of a metal salt having a cation capable of forming a water-insoluble salt with the acid in the coating.

2,154,221
CHARGE FOR GAS PRESSURE OPERATED BLASTING DEVICES
James Taylor, Saltcoats, Ayrshire, Scotland, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain
No Drawing. Application September 2, 1937, Serial No. 162,221. In Great Britain September 4, 1936
10 Claims. (Cl. 52—14)

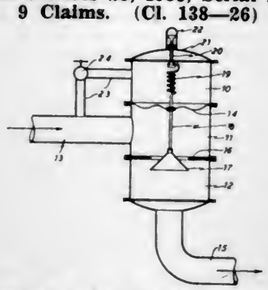
1. In a charge for pressure-operated blasting devices of the type which comprises an igniter and ammonium nitrate sensitised with a chromium compound, carbonaceous substances which combine exothermically with oxygen, cooling salts in a quantity consistent with certain propagation of the decomposition of the ammonium nitrate, and in which the total quantities of all the ingredients present both in the igniter and in the rest of the charge are adjusted substantially to the theoretical quantities necessary to their decomposition without the formation of oxides of nitrogen, nitric acid, and carbon monoxide and without there being left any unburnt carbonaceous material; the modification that the quantity of carbonaceous substances, which combine exothermically with oxygen, distributed through the ammonium nitrate is limited to between 0% and 4% by weight of the ammonium nitrate present, and the remaining carbonaceous material is segregated.

2,154,222
LABEL APPLYING MECHANISM
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application April 15, 1937, Serial No. 136,996
6 Claims. (Cl. 216—55)



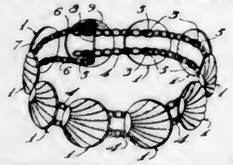
1. In a labeling machine, the combination of means for applying labels to hollow elements, a support for supporting said hollow elements in label receiving position, resisting means on said support adjustable to an operative position beyond the supporting surface thereof for internal engagement with said hollow elements to resist the label applying action of said label applying means, and means for automatically shifting said resisting means to and from its operative position.

2,154,223
DEVICE FOR SUPPRESSING PULSATIONS IN FLUID STREAMS
Henry N. Wade, Los Angeles, Calif., assignor to Parkhill-Wade, Los Angeles, Calif., a corporation
Application October 26, 1936, Serial No. 107,574
9 Claims. (Cl. 138—26)



1. In apparatus for dampening pulsations in a flowing stream of fluid: a valve normally restricting said flow; means for moving said valve in a closing direction at times when said flow tends to increase and in an opening direction at times when said flow tends to decrease, and means for adjusting the speed of response of said valve moving means to changes in rate of flow.

2,154,224
CHAIN
Joseph Waldman, Irvington, N. J.
Application August 17, 1938, Serial No. 225,295
8 Claims. (Cl. 59—80)



1. In an ornamental chain, a plurality of plates, each of said plates having a pair of integral pins projecting from the rear face thereof, said pins being spaced from each other and spaced from opposite edges of the plate, and a pair of link chains having links positioned over said pins, the ends of said pins being upset over said links to provide heads to permanently secure the link chains to the plates.

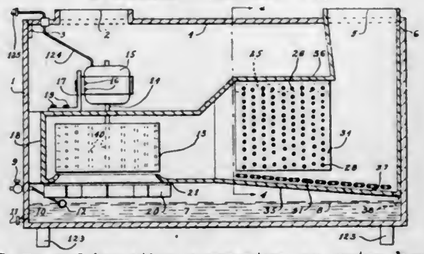
2,154,225
WATCH COVER
Albert Wewetzer, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application May 20, 1937, Serial No. 143,861
2 Claims. (Cl. 206—37)



1. In a receptacle lid having an opening, a watch receivable within the opening, a mounting for the watch such that it may be adjusted through either of two movement paths whereby to occupy various positions with respect to the lid, said opening being generally circular and having a slightly enlarged diameter through substantially 180° of its circumference so that two

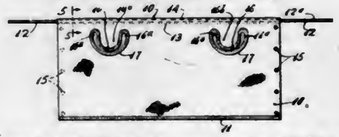
diametrically opposed points of offset are formed whereby the watch in one adjusted position is free to pass therebetween and in another position is engaged thereby to derive support therefrom.

2,154,226
AIR COOLING MEANS
James J. Yoch, St. Louis, Mo.
Application September 25, 1935, Serial No. 42,042
5 Claims. (Cl. 257—70)



5. In refrigerating apparatus, an outer housing adapted to hold a body of water in its bottom, an air intake in the outer housing, an inner housing having an air intake spaced above the water, condenser coils in the inner housing and a blower in the inner housing adapted to draw air through the air intake of the outer housing over the body of water and through the intake of the inner housing and to project it against said coils, and a baffle between the air intake of the inner housing and the body of water to increase the turbulence of the air stream and cause the water to be splashed and entrained in the air stream.

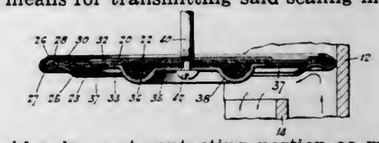
2,154,227
ONE-PIECE DRESS
Jennie Brown, Red Bay, Ala.
Application August 1, 1938, Serial No. 222,376
5 Claims. (Cl. 2—74)



1. A one piece dress, comprising a strip of cloth material having parallel top and bottom horizontal edge portions and vertical end edge portions, a cord mounted on said top edge portion for contracting the same to form a neck opening for said dress, means for releasably attaching together said end edge portions, and said strip of cloth material being formed with a pair of crescent shaped slots with the ends thereof extended towards said top edge, the portions of material to the top and within the crescent shaped slots being adapted to extend over one's shoulder forming shoulder covering portions, the portions of material below the crescent shaped slots being adapted to extend along the sides of a wearer of the dress, and the openings formed by lifting the shoulder covering portions producing arm openings for the dress and extend beneath the wearer's arm pits for forming large side ventilation openings.

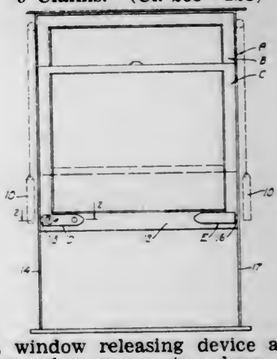
2,154,228
VALVE
Nico Borresen, Buffalo, N. Y., assignor to Nicostat Products Co., Buffalo, N. Y.
Application April 27, 1937, Serial No. 139,229
11 Claims. (Cl. 251—159)

1. In a valve structure for accurately controlling flow of materials, a valve seat contacting portion, a reservoir for a fluid sealing medium, and means for transmitting said sealing medium



to said valve seat contacting portion as may be required to provide a positive sealing effect when said valve is seated.

2,154,229
WINDOW CONTROL UNIT
George H. Clement, Merchantville, N. J., and Merrill A. Squier, Narberth, Pa., assignors of one-third to said Clement, one-third to said Squier, and one-third to Harry D. Marks and H. Zachary Marks
Application February 1, 1936, Serial No. 61,914
9 Claims. (Cl. 268—123)

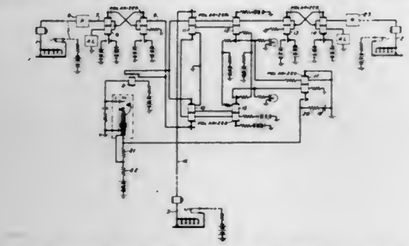


7. In a window releasing device a frictional engaging member, means to release or to hold said member, a control shaft, a helical spring wound about said shaft and suitably retained whereby the shaft will rotate in one direction, a rectangular prism mounted upon said shaft and engaging said means whereby different faces of said prism in engagement with said means cause said means to release or to hold said frictional member, an offset upon the end of said shaft rotatable with said shaft, a fixed member parallel to said offset, and a frangible member subject to open upon contact with moisture being adapted to be placed upon the offset and the fixed parallel member to retain the shaft against the tension of the helical spring and upon the breaking of the frangible member, said shaft being moved to release said frictional engaging member.

2,154,230
SIGNALING SYSTEM
George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,649
5 Claims. (Cl. 178—69)

1. A signaling system comprising a plurality of stations of major and minor importance, a common line for said stations, a repeater in said line forming a junction point between branches extending to stations of major importance and a station of minor importance, means in said repeater for blocking the said branch extending to said station of minor importance, means responsive to signals transmitted by stations of major importance for operating said first means,

means responsive to signals transmitted by said station of minor importance for releasing said first means, said first means including a condens-

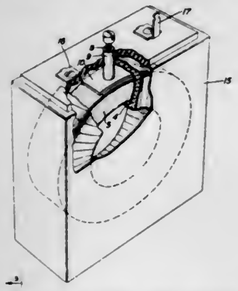


er type relay responsive to a difference in potential and requiring for its operation only that amount of energy which may be measured by the operating current of a small condenser.

2,154,231
COMPOSITION OF MATTER FOR THE PREPARATION OF FIRE EXTINGUISHING FOAM
Karl Daimler and Max Paquin, Frankfort-on-the-Main, and Walter Riedelsberger, Bad Soden, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 2, 1935, Serial No. 34,480. In Germany July 12, 1933
4 Claims. (Cl. 23—11)

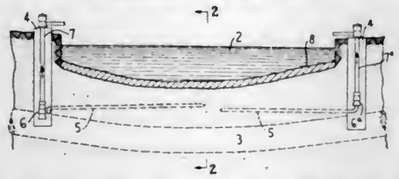
1. A new composition of matter, liquid at ordinary temperature and miscible with water even at a temperature near the freezing point of the water, yielding with water and air a fire-extinguishing foam stable to heat, the said composition comprising a highly concentrated solution of at least 13 per cent. of a wetting agent, 20 per cent. or more of an albumen degradation product, and 50 to 60% of a mixture of water and a hydrophylic solvent.

2,154,232
ADJUSTABLE INDUCTANCE
Paul S. Darnell, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1937, Serial No. 142,798
4 Claims. (Cl. 171—119)



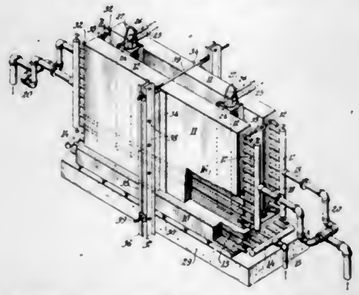
1. An inductance device comprising a toroidal core of magnetic material, a winding on said core, said core having a hollow chamber extending substantially between the inner and outer peripheries of said core, a movable member of magnetic material located wholly within said chamber, means for moving said member along an axis extending between the inner and outer peripheries of said core, said member having in the direction of its movement a thickness substantially less than the distance between the inner periphery and the outer periphery of said core, and means for confining said movement between the inner periphery and the outer periphery of said core.

2,154,233
SUBAQUEOUS TUNNELING
Francis Donaldson, Yonkers, N. Y., assignor to Mason & Hanger Company, Inc., New York, N. Y., a corporation of West Virginia
Application March 9, 1938, Serial No. 194,782
9 Claims. (Cl. 61—42)



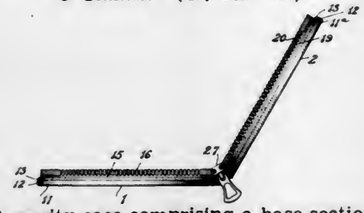
1. In the construction of a subaqueous horizontally-extending tunnel driven under compressed air, the method which comprises installing horizontally-extending drainage channels in permeable ground in the vicinity of and along the course of the tunnel to be driven, establishing a virtually water-tight blanket or matte over the course of the main tunnel and over and beyond the drainage channels, and continually removing water collected by the drainage channels while the tunnel is driven beneath the body of water, thereby reducing the hydrostatic pressure on such tunnel and permitting a lower air pressure in driving it.

2,154,234
ADJUSTABLE MOLD
William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application July 28, 1936, Serial No. 92,960
5 Claims. (Cl. 22—212)



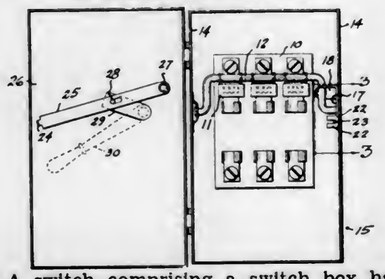
1. A mold comprising a bed block having a flat top face, separate side blocks and separate end blocks having bottom flat faces in engagement with the top face of the bed block and independently adjustable thereon to provide a mold space, the end blocks each having a pair of parallel flat faces and the side blocks each having parallel flat faces for selectively engaging the parallel flat faces of the end blocks, means for holding the side blocks in contact with the end blocks and each of said blocks having passages therein for the circulation of fluid therethrough.

2,154,235
VANITY CASE
Leo Esterow and Abraham Klein, New York, N. Y.
Application December 9, 1937, Serial No. 178,904
9 Claims. (Cl. 132—79)



1. A vanity case comprising a base section and a cover member hinged to the base section, said cover member and base section each including a relatively flat plate, a slide fastener extending around the edges of the plates and comprising a closure means between the plates, said slide fastener including tapes on which fastener elements are mounted, one of said tapes being secured to each of the plates, and a channel-shaped retaining member extending around the edge of each of the plates and holding the tape in position.

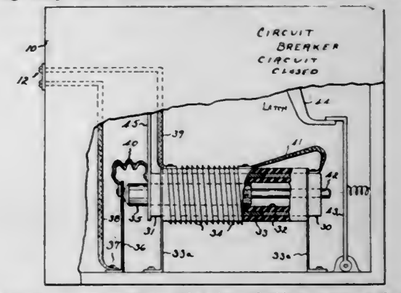
2,154,236
SWITCH
William H. Frank and Joseph A. Messing, Detroit, Mich.
Application March 7, 1936, Serial No. 67,740
Renewed April 9, 1938
11 Claims. (Cl. 200—50)



1. A switch comprising a switch box having a back and an open front, a swing door or cover therefor, a stationary contact on the back of the box and mounted to project forwardly, a movable insulation structure slidably mounted thereon and containing a contact and arranged to slide thereon towards and away from the box back for switching, a transversely extending bail operatively connected to the structure and mounted in the sides of the box, a handle movably mounted on the front of the cover and actuating means on the back of the cover connected to the handle through the cover and arranged to move in a path whose plane is parallel to the front of the box to establish a releasable operative connection between itself and the bail when the box cover is swung shut and the handle moved towards the switch closed position.

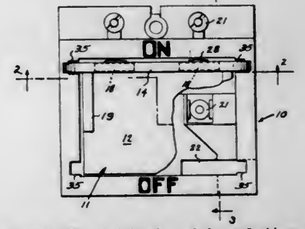
2,154,237
SEPARABLE CONTACT STRUCTURE
William H. Frank, Detroit, Mich.
Application March 31, 1937, Serial No. 133,947
6 Claims. (Cl. 200—88)

6. A separable contact structure comprising two separable and engageable hollow contacts, an insulation tube closely surrounding the contacts, a coil connected in series with the contacts and closely surrounding the tube, a hollow insulating core within the contacts and which cooperates with the tube to provide an annular space between the ends of the contacts when these are separated, the annular space receiving and confining any arc formed on contact separation, a



magnetic core within the insulating core adapted to be moved by the current flow in the coil and connected to one of the contacts whereby it will cause contact separation on movement of the magnetic core responsive to the flow of excessive current through the coil, the coil being of fine wire wound closely and tightly around the tube to reinforce it mechanically.

2,154,238
PLUG AND RECEPTACLE SWITCH
William H. Frank, Detroit, Mich.
Application July 30, 1937, Serial No. 156,439
3 Claims. (Cl. 200—114)

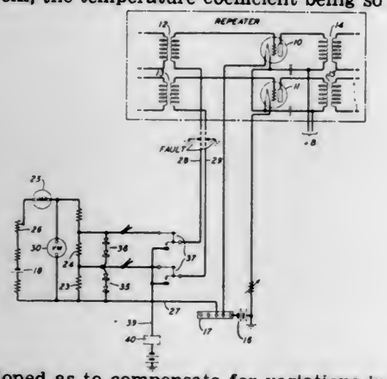


1. In a switch, a block of insulation having a deep slot opening thereinto from the front thereof, adjacent contacts in said block on opposite sides of said slot, a blade adapted to slide in said slot and having on opposite sides contacts for engaging the block contacts, a fuse carried by said blade and connecting the blade contacts.

2,154,239
VOLTAGE REGULATING CIRCUIT
Arthur F. Grenell, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,607
3 Claims. (Cl. 179—171)

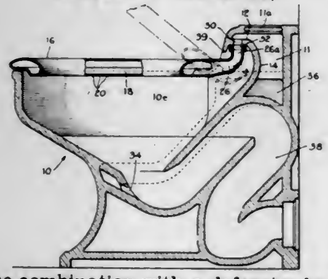
1. In combination, an electron discharge device including a control grid and a cathode, a grid-biasing circuit comprising a source of current and a resistance, the latter being provided with a positive temperature coefficient of resistance and developing a predetermined potential thereacross, a source of current for energizing the cathode, a lead connecting the resistance and the control grid, an asymmetrical conductor bridging the resistance and poled

against the flow of grid current for connecting the grid lead and the cathode source of current, and a current-responsive means for interrupting the grid leads in response to current flowing therein, the temperature coefficient being so pro-



portioned as to compensate for variations in the resistance of the asymmetrical conductor in the reverse direction whereby the predetermined potential developed across the resistance of the grid-biasing circuit is constantly maintained.

2,154,240
COMBINED SEAT AND FLUSH RIM
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application September 11, 1937, Serial No. 163,382
16 Claims. (Cl. 4—98)



1. The combination with a defecator bowl having a flushing water inlet chamber, of seat means and therewith mechanically associated rim flush means for scouring the upper surface of said bowl by direct water discharge from said rim flush means against said bowl, said seat means and said rim flush means being arranged for support on the upper surface of the said bowl and arranged for displacement away from said upper surface, said rim flush means having connection with said water inlet chamber only when the seat means is in bowl-rim-supported position.

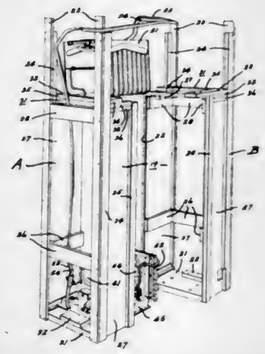
2,154,241
UNDERBODY FOR SHOES
Donald F. Herbst, Milwaukee, Wis.
Application July 28, 1937, Serial No. 156,043
2 Claims. (Cl. 36—35)

1. A shoe heel composed of a plurality of plies, including upper and lower plies of relatively rigid wear resisting material, having interacting shoulder portions adapted to prevent material lateral shifting movement of one ply upon the other, and an interposed ply of material having substantially the characteristics of sponge rubber, and having a central portion held by said



interacting shoulder portions against material shifting movement in a lateral direction.

2,154,242
SHIPPING CRATE FOR REFRIGERATING APPARATUS
Andrew A. Kucher, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 17, 1936, Serial No. 91,141
5 Claims. (Cl. 217—36)

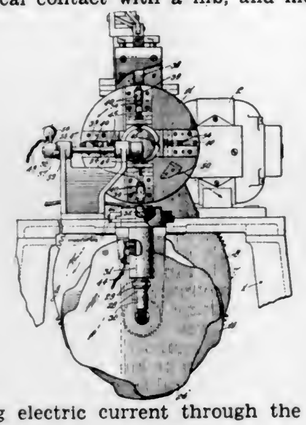


1. In a device of the character described comprising in combination, a crate, a unitary construction removably positioned within said crate, said unitary construction including a base portion and a platform portion intermediate the base portion and the top of the construction, said portions of said construction each supporting an element of a closed fluid circulating system, complementary frame members for supporting said base and said platform portions of said construction, each of said frame members having parts forming a part of the base and platform portions of said construction, said frame members being separable from one another, and means including the elements of the closed fluid circulating system within said construction for rigidly locking the complementary frame members together to form said unitary construction.

2,154,243
MACHINE FOR MAKING PEN POINTS
Otto W. Langhans, Caldwell Township, Essex County, N. J., assignor to American Platinum Works, Newark, N. J., a corporation of New Jersey
Application March 14, 1938, Serial No. 195,688
7 Claims. (Cl. 219—4)

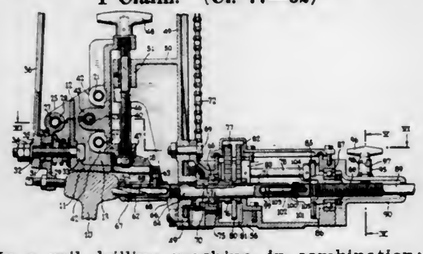
7. In a machine for automatically welding tips to pen point nibs, a turret, means on said turret adapted to hold a plurality of spaced nibs, a plunger having the upper end thereof provided with means adapted to hold only one tip, means

to move said plunger upwardly to position a tip in electrical contact with a nib, and means for



supplying electric current through the tip and nib.

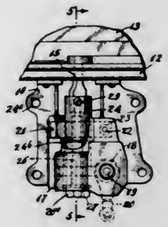
2,154,244
RAIL DRILLING MACHINE
Frederick C. Lavarack, Montclair, N. J., and Benjamin Schlesinger, Flushing, N. Y., assignors to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,370
Renewed September 8, 1938
1 Claim. (Cl. 77—32)



In a rail drilling machine, in combination: a drill spindle adapted to receive and hold a drill at one end and formed at the other end with a longitudinal screw threaded cavity; means to support and rotate the spindle; a feed shaft, said feed shaft formed with a screw threaded cavity in one end and formed to receive an end thrust ball bearing; means for rotating the feed shaft for moving the drill spindle longitudinally; a hollow sleeve formed with an external screw thread and with a head screwed into the cavity in the end of the spindle; an end thrust ball bearing positioned between the said head and the end of the feed screw whereby it receives the thrust between the spindle and the feed screw; and a bolt formed with a head bearing against the inner end of the hollow sleeve and passing through the hollow sleeve and screw threaded into the adjacent end of the feed screw; and means for preventing said bolt from turning.

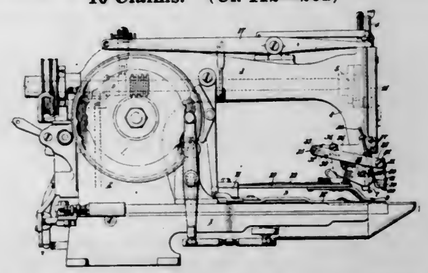
2,154,245
COUPLING FOR REPLACING DRIVE SHAFTS OF NO-DRAFT WINDOW REGULATORS FOR MOTOR VEHICLES
Gustave Levey, New York, N. Y.
Application March 11, 1938, Serial No. 195,250
6 Claims. (Cl. 268—119)

1. A coupling for replacing drive shafts of no-draft window regulators for motor vehicles, comprising an adaptor stem for engagement coaxially on the hollow stem of a gear turning mechanism for no-draft windows, hardened teeth on the end



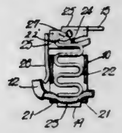
of said adaptor stem engaging said hollow stem, and a bolt engaging through said hollow stem and threadedly connected with said adaptor stem for rigidly connecting these parts.

2,154,246
GUARD ATTACHMENT FOR SEWING MACHINES
Michael McCann, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 4, 1937, Serial No. 172,661
10 Claims. (Cl. 112—261)



1. In a sewing machine, a frame including a base and a bracket-arm terminating in a head, a work-presser secured upon said base, a lifting-bar mounted for endwise movement in said head, a guard secured upon said head and movable into and out of operative position, and means including an arm carried by said lifting-bar for moving said guard into and out of operative position.

2,154,247
ELECTRIC LAMP SOCKET
Bernard F. Muldoon, Mountain View, N. J., and Otto C. Britsch, Woodhaven, N. Y., assignors to Henry Hyman, Brooklyn, N. Y.
Application January 19, 1934, Serial No. 707,240
1 Claim. (Cl. 173—259)



A box-shaped connector for a wire having one wall extended and a portion thereof slotted and bent over the end of the box to receive the wire, and means, including a spring and cam, associated with said connector for pressing the wire against said bent-over portion.

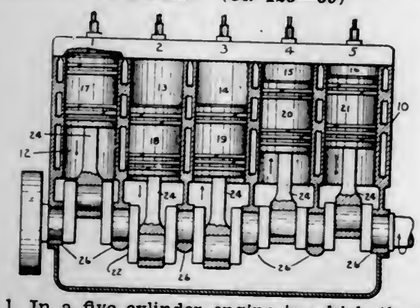
2,154,248
PARAMINOARYLSULPHONAMIDOARYL ORTHOSULPHONIC ACIDS AND THEIR SALTS
Elmore H. Northey, Bound Brook, N. J., assignor to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application October 27, 1938, Serial No. 237,190
4 Claims. (Cl. 260—510)

1. N-sulphanilamidoaryl orthosulphonic acid compounds having the following formula

$$R—SO_2NH—R'$$

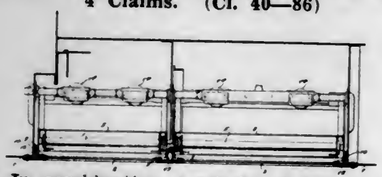
in which R is a p-aminobenzene radical and R' is a member of the group consisting of mononuclear aryl orthosulphonic acids and their salts.

2,154,249
INTERNAL COMBUSTION ENGINE
Frederic P. Porter, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 12, 1934, Serial No. 752,598
5 Claims. (Cl. 123—59)



1. In a five-cylinder engine in which the cylinders are in line, a power piston operable in each cylinder, a crankshaft assembly including a plurality of cranks each operatively connected to one of said pistons, said cranks being so angularly related on said crankshaft that the cranks disposed between the outer or end cranks are equally angularly spaced, relative to each other, at an angle less than 72°, but exceeding 65°, whereby to effect an improved dynamic balance of the engine.

2,154,250
SUPPORTING MEANS FOR SIGNS
William F. Reisiger, Flushing, N. Y., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y., a corporation of New York
Application March 8, 1938, Serial No. 194,535
4 Claims. (Cl. 40—86)



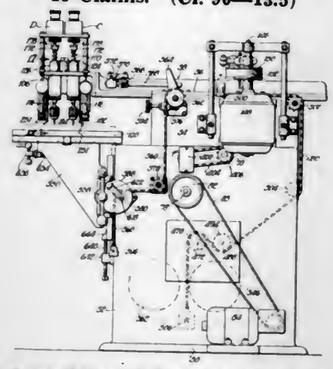
1. In combination, a window having a frame with vertical walls on opposite sides of the window, a sign box carrying a sign adapted to be displayed through said window, said box having vertical sides, vertical brackets disposed on said vertical walls of the frame, and pins projecting outwardly from said sides and received in vertically extending slots in said brackets, thereby detachably holding said box in place.

2,154,251
SIGN BOX
William F. Reisiger, Flushing, N. Y., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y., a corporation of New York
Application March 10, 1938, Serial No. 194,986
1 Claim. (Cl. 40—95)



In combination, a sign box comprising two spaced parallel end plates, one of said end plates having a vertically extending edge, a support to which said plate is hinged adjacent said vertical edge, bearings mounted on the insides of said plates and supporting the spindles of a changeable sign of the web type disposed betwen the end plates, a lamp support carried by the box in position for the lamp or lamps thereon to illuminate said sign, a plurality of tubes each having its opposite ends rigidly secured to said end plates, and another tube having one end rigidly connected to said hinged end plate adjacent the bottom thereof and adjacent said vertical edge thereof, and the other end rigidly connected to the other end plate adjacent the top thereof.

2,154,252
ENGRAVING OR ROUTING MACHINE
Jacob Shilkoff, New York, N. Y., and Clarence P. Wood, Monmouth Beach, N. J.; said Wood assignor to said Shilkoff
Application August 4, 1936, Serial No. 94,188
19 Claims. (Cl. 90—13.5)

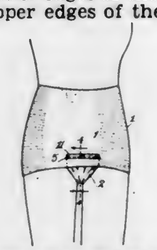


1. In a machine of the type described, a work supporting bed, a plurality of tools movable over said bed, and means for singly and alternately engaging said tools with a piece of work mounted on said bed.

2,154,253
GIRDLE AND CROTCH MEMBER
Rowland W. Spain, New York, N. Y., assignor of one-half to Henry J. Tully, Plandome Manor, N. Y.
Application September 14, 1937, Serial No. 163,715
1 Claim. (Cl. 2—43)

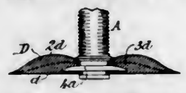
A girdle adapted to extend from the waistline over the posterior region and down to adjacent the crotch of the person wearing the girdle, comprising a circumferentially elastic tubular body formed with an upwardly extending arc-shaped lower edge at the front and a downwardly extending arc-shaped lower edge at the back, said body having a slot at the center of the front slightly

above the bottom edge and a slot at the center of the rear slightly above the rear bottom edge, the respective slots being substantially straight and extending circumferentially of said body, the circumferential length of the front slot being less than that of the rear slot, a strap elastic circumferentially of said body permanently secured to the body exterior thereof above each of said slots and respectively of the same length as the slots with the lower edges of the respective straps adjacent the upper edges of the respective slots,



a textile fabric crotch member with the rear end as wide as the length of the rear strap and the front end as wide as the length of the front strap, the width of said ends in cooperation with said straps distributing the strain of said crotch member so as to prevent puckering while preventing the lower portions of the front and rear of said body riding up, said crotch member extending through said slots, and disengageable fasteners arranged along the ends of said crotch member and along said straps for removably securing the ends of the crotch member to said straps.

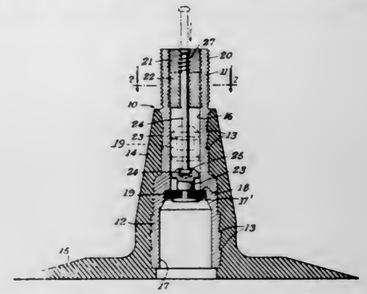
2,154,254
VALVE STEM
Selden T. Williams, Bellerose, N. Y., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a corporation of New York
Application December 29, 1933, Serial No. 704,420
2 Claims. (Cl. 152—429)



1. A valve stem for pneumatic tubes or the like, comprising a shank having an integral disk-like enlargement in axially spaced proximity to the tube-engaging end of the shank, an axial extension beyond said enlargement having an annular grooved recess therein adjacent said disk-like enlargement, an integral annular enlargement of smaller diameter than the disk-like enlargement in axially spaced proximity thereto inwardly from said end of the shank, providing with the disk-like enlargement an annular recess in the shank, and a patch of rubber embedding said disk-like enlargement and engaging in said annular recesses but not entirely embedding either the axial extension or the second enlargement, said patch of rubber being adhesively secured to said shank at its places of engagement therewith.

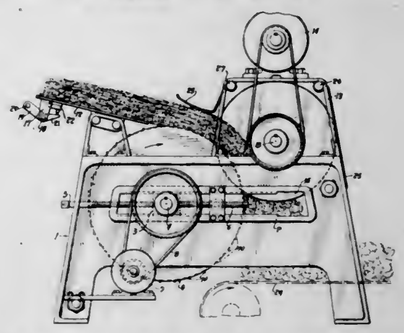
2,154,255
TIRE VALVE
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 15, 1937, Serial No. 142,742
5 Claims. (Cl. 251—144)

2. A valve for tires or the like consisting of a casing having a valve core or "insides" therein, said casing having an integral seat and said "insides" comprising a pin, a valve check carrier mounted on one end of the pin, a deformable check supported by said carrier, said check and carrier being adapted to be passed through the top of the casing to a point below the seat, means



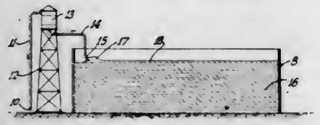
for preventing withdrawal of the "insides" as a whole from the casing after said "insides" has been mounted in the casing, and the valve check carrier having a weak connection with the pin and being easily severable therefrom by an axial separating force applied in the direction of withdrawing the "insides" from the casing.

2,154,256
FIBER CUTTING MACHINE
Fred R. Zimmerman, Chicago, Ill., assignor to Nachman-Springfield Corporation, Chicago, Ill., a corporation of Illinois
Application August 9, 1937, Serial No. 158,041
2 Claims. (Cl. 164—61)



2. A machine of the type specified comprising a rotatable drum composed of spaced apart sections, rotatable cutting knives projecting into the spaces between said drum sections, means for causing the said knives and the drum to rotate in opposite direction for cooperation with each other to cut material and cause downward passage thereof, lugs on the circumferential faces of the drum sections to effect forced movement of material toward the blade edges, a feed table over which the material is passed into engaging relation to said drum, a gauge device disposed over and spaced from said table for regulating the thickness of the batch of material capable of being fed to the drum and cut by said blades, said lugs adapted to remove material from the bottom of a batch halted or retarded by said gauge device for reducing the depth of the latter to the degree requisite to effect passage of the remainder of the batch past the said gauge device.

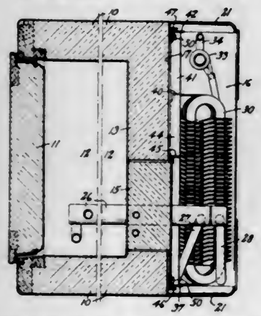
2,154,257
METHOD FOR SOLIDIFYING SULPHUR
Bernard A. Axelrad and Dougal A. Brooks, Freeport, Tex., assignors to Freeport Sulphur Company, Freeport, Tex., a corporation of Delaware
Application September 28, 1937, Serial No. 166,229
6 Claims. (Cl. 23—229)



1. The process of solidifying molten sulphur in bins which comprises discharging into the bin a relatively large volume of molten sulphur of the order of tons at one time and at such a rate and such a temperature that the discharged sulphur spreads itself in a thin layer of an order of from $\frac{1}{8}$ to $\frac{3}{8}$ of an inch over a large area.

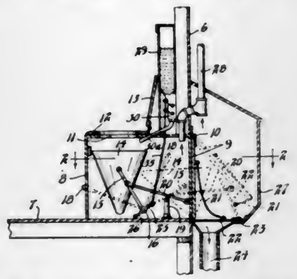
6. The process of solidifying molten sulphur which comprises accumulating successively a series of masses of sulphur in the liquid phase, each in a volume that is adapted to spread itself over an area that is of an order of thousands of square feet, discharging in successive intervals said accumulated masses in a sudden manner one upon the other at such a rate and at such a temperature that each discharged mass spreads itself under its own head and forms a layer that is of an order of from $\frac{1}{8}$ to $\frac{3}{8}$ of an inch in thickness, and cooling and solidifying each of said layers in a manner avoiding local freezing prior to the time of general solidification during the interval of no discharge so that a single solid mass may be built up yielding a reduced amount of fines and having increased strength, density, and hardness.

2,154,258
REFRIGERATION
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application April 16, 1935, Serial No. 16,550
In Germany April 19, 1934
9 Claims. (Cl. 62—116)



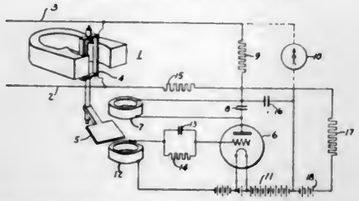
4. In a refrigerator, a cabinet, angle members forming a part of said cabinet, a refrigerating unit, and angle members forming a part of said refrigerating unit, said angle members on said cabinet forming a supporting and positioning means for said refrigerating unit with said angle members being so arranged that the outer corners or heels of said angle members on said unit fit into the inner corners or valleys of said angle members on said cabinet and are separable from the latter.

2,154,259
WATER SAVING TOILET
Albert T. Beaver, Kasson, Minn.
Application October 20, 1937, Serial No. 170,018
3 Claims. (Cl. 4—124)



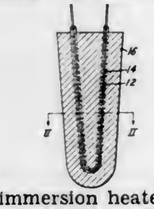
1. In a toilet device, a cabinet having a toilet seat formed therein, a chamber adjacent the rear of said cabinet, waste receiving means in communication with said chamber, a receptacle in said cabinet, a support in said cabinet adapted to support said receptacle beneath said seat and movable rearwardly in said cabinet, a door between said cabinet and said chamber at the rear of said cabinet, means connecting said receptacle support and said door to open said door when said support is moved rearwardly in said cabinet, a second door normally closing said waste receiving means, and a connection between said first and second mentioned doors to open said second door substantially simultaneously with said first door.

2,154,260
ELECTRONIC METERING SYSTEM
Leo Brandenburger, Falkensee, Kreis Ost-Havelland, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1936, Serial No. 67,411
In Germany May 12, 1934
6 Claims. (Cl. 177—351)



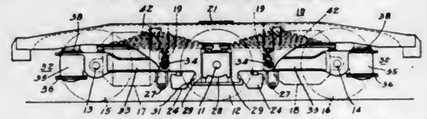
6. In measuring apparatus responsive to a direct-current electrical variable, an electronic oscillator having an output circuit and an input circuit, an inductive coupling device having mutually inductive coil portions regeneratively connecting said input circuit and said output circuit, a resistive impedance connected in said output circuit and traversed by the direct component of current thereof, a conducting vane movable to vary the mutual inductance of said coil portions, a direct-current instrument movement mechanically connected to said vane to control the position thereof, means for applying opposing direct-current electrical quantities to said movement dependent upon said direct-current electrical variable and the resistance drop in said resistive impedance, and means for neutralizing the effect of the minimum output current of said oscillator upon said resistive impedance.

2,154,261
IMMERSION HEATER
Weldon H. Brandt, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1937, Serial No. 180,396
3 Claims. (Cl. 219—41)



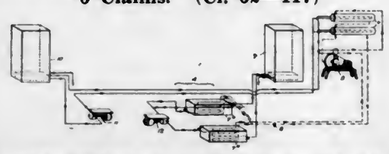
1. An electric immersion heater comprising, a metallic heating element, a coating of boro-silicate glass having a coefficient of expansion approximating that of the metal of the heating element sealed to the heating element for insulating it, and a coating of metal over the glass coating to protect it from physical shocks and the action of liquids when immersed therein, the metal coating being cast about the glass coated heating element.

2,154,262
ELECTRIC VEHICLE TRUCK
Winston A. Brecht and Frank L. Alben, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 16, 1936, Serial No. 105,938
7 Claims. (Cl. 105—195)



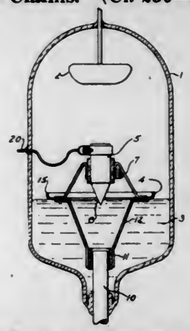
1. In a railway vehicle truck having three axles, in combination, a truck frame, journal boxes for supporting said axles, means for mounting the journal boxes for the center axle in the truck frame to permit vertical movement of said axle, horizontally disposed arms for pivotally connecting the outer axles to the truck frame, spring means extending between the journal boxes on the outer axles and the journal boxes on the center axle for supporting the truck frame and functioning as partial equalizers between the outer and the center axles, and additional spring means disposed at the sides of the outer axles opposite the pivot connections of said horizontal arms to cooperate with said first named spring means in supporting the truck frame.

2,154,263
AIR CONDITIONING SYSTEM FOR RAILROAD CARS
Willis H. Carrier, Essex Fells, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application February 21, 1930, Serial No. 430,210
6 Claims. (Cl. 62—117)



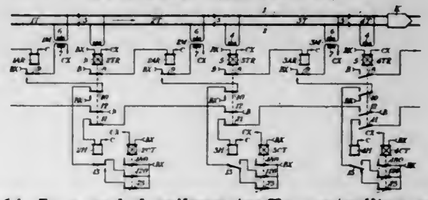
2. The method of conditioning the air in a passenger vehicle, which consists in drawing the air into a unit, passing the air through a cold water spray in said unit to remove all foreign matter therefrom, and reducing the temperature of the air, regulating its moisture content, all of which is accomplished in said unit, and then distributing the conditioned air at a plurality of points into the space occupied by passengers in the said vehicle, and then cooling the said water for reuse and returning it to the spray.

2,154,264
VAPOR ELECTRIC DEVICE
Walter Damitz, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, a corporation of Germany
Application December 9, 1937, Serial No. 178,943
In Germany December 12, 1936
6 Claims. (Cl. 250—27.5)



1. An arc discharge device comprising a container, a plurality of main electrodes therein, one of said main electrodes being of vaporizable reconstructing material, a make-alive electrode having a portion thereof extending into said cathode during normal operation thereof, a float on said cathode, an annular spot fixing body on said float and means on said float for supporting the make-alive electrode in predetermined relation to said cathode.

2,154,265
RAILWAY TRAFFIC CONTROLLING APPARATUS
Charles W. Failor, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 19, 1937, Serial No. 143,481
22 Claims. (Cl. 246—39)



14. In a coded railway traffic controlling system, in combination, a stretch of railway track divided into a plurality of successive block sections including a first, a second and a third section, each of said sections having a track relay connected across the track rails thereof, each of said block sections having associated therewith a supply circuit through which current may be supplied to the track rails of such section, the track relay associated with said second block sec-

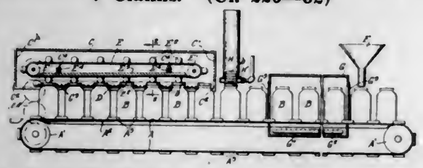
tion being operative according as said block section is occupied or unoccupied to connect the supply circuit of the first block section to a source of uncoded current or to a control circuit, and means other than the track relay associated with the said second block section and controlled by the track relay of the third block section according as said section is occupied or unoccupied to effect the supply of coded current of one character or another to said control circuit.

2,154,266

METHOD OF AND APPARATUS FOR VACUUM SEALING CONTAINERS

Karl L. Ford, Durham, N. H., assignor of one-third to William B. Willcutt, Flushing, N. Y., and one-third to Edmund M. Sawtelle, York, Maine

Application May 24, 1937, Serial No. 144,415
7 Claims. (Cl. 226—82)



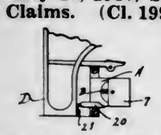
1. In packaging material in a vacuum sealed container, the method which consists in subjecting the upper portion of the filled container to a localized top heating action, while loosely holding the container cover in place to permit the escape of air and vapor from the container during the top heating operation and to permit the cover to be pressed into sealing engagement with the container, when, following the top heating operation, the pressure acting externally on the container becomes higher than the pressure within the container, and subsequent to said top heating action, subjecting said container to an external pressure exceeding the pressure within the container.

2,154,267

TYPOGRAPHICAL MACHINE LINE INDICATOR

Glen F. Gale, Salt Lake City, Utah

Application May 14, 1937, Serial No. 142,526
3 Claims. (Cl. 199—61)



1. In a device of the class described the combination of a body bracket to be secured stationary to the typographical machine; a rotatable dial mounted in a channel in said body; pins extended from said dial; means to hold said dial in rotatable but spring held position; and means to engage said pins to rotate said dial with each operation of the assembling elevator of the typographical machine.

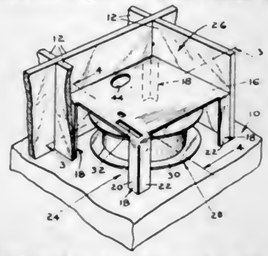
2,154,268

COUNTER OR TABLE DISPENSING AND DISPLAY CONSTRUCTION

Bertram J. Goldsmith, Neshanic, N. J.

Application May 24, 1938, Serial No. 209,719
8 Claims. (Cl. 206—77)

1. In a dispensing and display construction and arrangement of the character described, means comprising vertical walls defining a compartment for the supply and display of material, and a table member disposed within said compartment, said table member having a top disposed above the bottom of said compartment and below the upper edges of said walls forming a



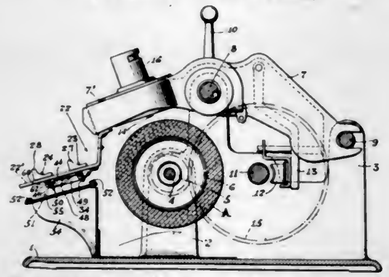
lower supply chamber and an upper display chamber, there being an opening for the passage of material from said supply chamber below said table top to said display chamber above said table top, and legs fixed to said table top for supporting the latter in position above the material in said supply chamber.

2,154,269

MARKING DEVICE FOR INDEX BLANKS

Heinrich F. Max Gramann, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application July 3, 1937, Serial No. 151,801
10 Claims. (Cl. 234—1)



8. In apparatus of the character described including an index blank and a frame arranged for travel thereover: means, carried by said frame for travel over said blank, for marking said blank; and means operable at will to move said marking means relative to said frame transversely of said travel, and across and with predetermined constant pressure against said blank.

2,154,270

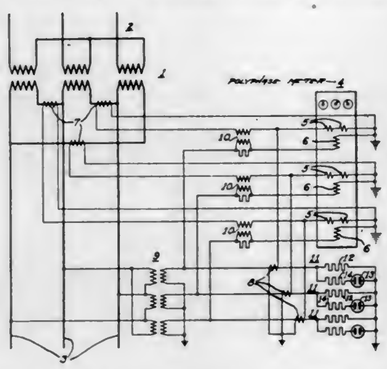
COMPENSATING METERING APPARATUS

Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1937, Serial No. 176,253
7 Claims. (Cl. 171—34)

5. In combination with a power transformer operated in a range of induction such that its magnetizing loss bears a non-linear relationship to the square of its induced voltage; a meter for measuring a power condition dependent upon said loss; means for producing a current having a non-linear relationship to a terminal voltage condition of said transformer; and means for

energizing said meter in accordance with a second degree variable dependent upon said current, said second degree variable having such relation-



ship to said terminal voltage condition as to maintain an approximately linear relationship between said loss and the indication of said meter corresponding thereto.

2,154,271

REFRACTORY ARTICLE

Francis Whitson Higgins, Hale, England, assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application March 2, 1937, Serial No. 128,651
9 Claims. (Cl. 106—10)

1. A refractory article containing a carbon-comprising constituent bonded with a ceramic bond comprising an oxidic compound of copper, said oxidic compound of copper being substantially uniformly distributed throughout the body of the refractory article.

2,154,272

METHOD FOR PRODUCING ACYL DERIVATIVES OF THE DIHYDROFOLLICLE HORMONE AND RESULTING PRODUCT

Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, and Erwin Schwenk, Bloomfield, N. J., assignors to Schering Aktiengesellschaft, Berlin, Germany, a corporation of Germany

No Drawing. Application February 6, 1936, Serial No. 62,630
19 Claims. (Cl. 260—397)

1. A method for the production of acyl compounds of dihydrofollicle hormone which comprises treating the dihydrofollicle hormone with acylating agents in the presence of strong acids as catalysts in addition to the said acylating agent, whereby a reaction takes place with the formation of acyl derivatives of said dihydrofollicle hormone.

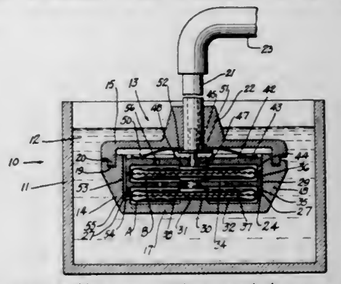
2,154,273

METHOD OF AND APPARATUS FOR MAKING ANEROIDS

Paul Kollsman, Stamford, Conn.

Application May 15, 1933, Serial No. 671,080
Renewed March 12, 1938
34 Claims. (Cl. 113—59)

1. The method of constructing a circular pressure sensitive box having elastic walls, which includes continuously autogenously sealing said walls together along said circular edge while maintaining the interior of the box under a substantial vacuum, and simultaneously autoge-



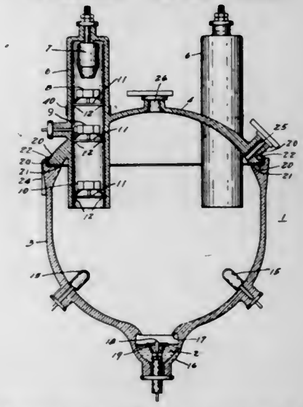
nously connecting a center post to one of said walls.

2,154,274

METAL VAPOR RECTIFIER

Curt Knappe, Berlin-Haselhorst, and Alfred Siemens, Berlin-Grunewald, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 26, 1936, Serial No. 107,694
In Germany October 26, 1935
2 Claims. (Cl. 250—27.5)



1. A vapor-electric device comprising a pot like porcelain body, said body being substantially thickened adjacent the open end thereof, a porcelain closure member seated on the thickened portion of said body, a vacuum tight solder seal between said body and said closure member, a vaporizable cathode in said body, a plurality of substantially tubular arc guides forming a portion of said cover member, and an anode in each of said arc guides.

2,154,275

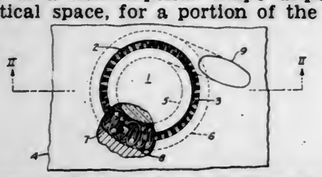
ELECTRODE SUPPORTING STRUCTURE

Adolf Linn, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application October 30, 1936, Serial No. 108,500
In Germany December 7, 1935
4 Claims. (Cl. 248—358)

1. An interconnection between machine elements comprising an annular member, a cylindrical member adapted to be positioned within the annular member, said annular member and cylindrical member having facing grooves in

the facing walls thereof said two grooves defining a generally elliptical space when considered along a plane of section disposed radially of the cylindrical member, wire windings having loops normally of a non-elliptical shape disposed in the elliptical space, for a portion of the length



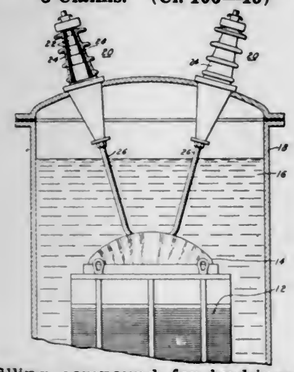
of the space, so that the loops slant in one direction, or sense, with reference to the axis of the windings, and wire windings having loops normally of a non-elliptical shape disposed in the elliptical space for the remaining portion of the length of the space so that the loops slant in an opposite sense to the axis of the windings.

2,154,276

FILLING COMPOUND FOR AND METHOD OF INSULATING CONDUCTORS

Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 17, 1938, Serial No. 191,037
8 Claims. (Cl. 106—15)



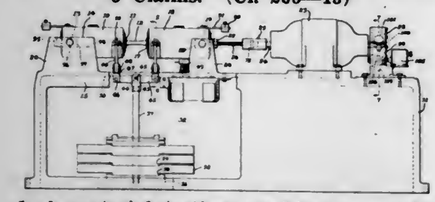
1. A filling compound for bushings comprising a petroleum asphalt, a chlorinated hydrocarbon having the characteristic of being a non-crystalline, glassy, resin-like solid at room temperature, and a petroleum oil.

2,154,277

MATERIAL TESTING MACHINE

Richard R. Moore, Lansdowne, Pa.

Application March 11, 1937, Serial No. 130,350
5 Claims. (Cl. 265—13)



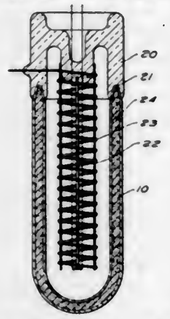
1. A material testing machine comprising a base, a plurality of aligned spindle housings pivotally supported adjacent ends thereof on said base for movement about spaced parallel axes, means for applying equal bending loads to the adjacent ends of both of said housings, a spindle in each of said housings each having a conical seat and adapted for connection to opposite ends of a specimen, a draw bar in each spindle in threaded engagement with the specimen and terminating within the spindle, and holding means for holding each draw bar to a spindle, a pair of antifriction bearings located at opposite ends of each of said housings and supporting each of said spindles, said antifriction bearings being arranged in the transverse planes through the housings containing the points of pivotal support of the housings and the point of load application to the housings to eliminate housing deflection, and means including a flexible shaft integrally fixed to one of said holding means at a point closely adjacent the end of the housing for rotating the spindle in said housing.

2,154,278

CARBON EXTERIOR ANODE

Ilia E. Mouromtseff, Montclair, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 16, 1936, Serial No. 105,919
9 Claims. (Cl. 250—27.5)



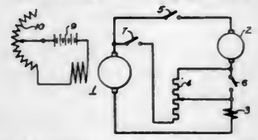
7. A discharge device comprising a container having a wall portion of glass, at least one conductor sealed through said glass, a main electrode within the container connected to said conductor and another wall portion of said container being of carbon material having a layer of copper thereon and a seal between said two wall portions, said layer of copper being on the exterior wall of said carbon material and at the seal forming a layer sandwiched between said glass and said carbon material.

2,154,279

BRAKING SYSTEM FOR DIESEL-ELECTRIC DRIVEN VEHICLES

Paul Müller, Berlin-Schoneberg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 27, 1937, Serial No. 171,359
In Germany November 26, 1936
6 Claims. (Cl. 172—179)



6. In an electrical braking system for Diesel-electric vehicles, in combination, a motor having

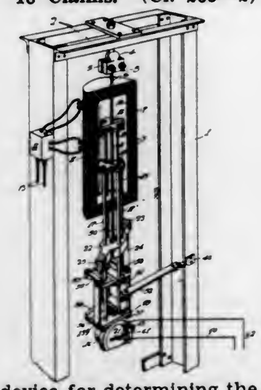
an armature winding and a field winding, a generator for supplying current to the motor, said generator having a counter-compound field winding, a resistor for controlling the motor current, switching means for connecting the resistor in the motor armature circuit during braking, the field winding of the motor being excited by the generator during braking, and additional switching means for connecting said counter-compound field winding in the motor armature circuit during braking, thereby effecting a weakening of the generator field when the braking current increases.

2,154,280

ACCELERATED CREEP TESTING APPARATUS

Arpad Nadai, Wilkinsburg, and John Boyd, Trafford, Pa., assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 30, 1936, Serial No. 88,096
18 Claims. (Cl. 265—2)



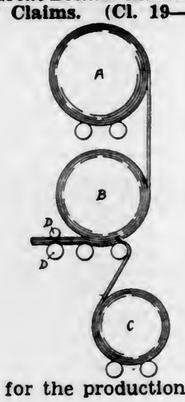
1. In a device for determining the plastic flow, or creep, of a material, in combination, means for subjecting a test piece to a constant temperature, means for subjecting the test piece to a deforming force, and means, responsive to the creep of the material, adapted to change the deforming force to maintain the dimensions of the test piece constant.

2,154,281

COMBING MACHINE

John William Nasmith, Heaton Mersey, Manchester, England

Application September 20, 1937, Serial No. 164,718
In Great Britain March 4, 1937
2 Claims. (Cl. 19—115)



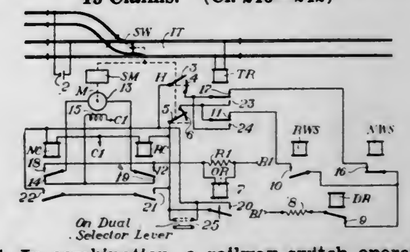
1. Process for the production of a single continuous feed lap of indefinite length in a wool combing machine of the type hereinbefore referred to, consisting in feeding to such machine during its operation at least three lap thicknesses of irregular lengths of which the internal lap is the longest; converting this lap into an external lap in substitution of the first which runs out; and feeding the end of a new and full internal lap between the external laps.

2,154,282

RAILWAY TRAFFIC CONTROLLING APPARATUS

Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 30, 1937, Serial No. 177,288
13 Claims. (Cl. 246—242)



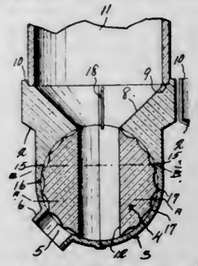
1. In combination, a railway switch operating motor, a normal and a reverse contactor, a normal motor operating circuit including a front contact of said normal contractor and a back contact of said reverse contactor, a reverse motor operating circuit including a front contact of said reverse contactor and a back contact of said normal contactor, a pick-up circuit for each of said contactors including a remote controlled contact, a control means for selectively closing either one or the other of said remote controlled contacts to energize either the normal or the reverse contactor, overload means associated with said motor operating circuits effectively influenced when current above a predetermined value flows in either motor circuit for a given interval, means governed by said overload means when effectively influenced to energize the contactor which is deenergized at the time of the overload, and a stick circuit for each contactor including the remote controlled contact associated with the other contactor.

2,154,283

MEASURING DISPENSER

Edward J. Reisdorf, Seattle, Wash.

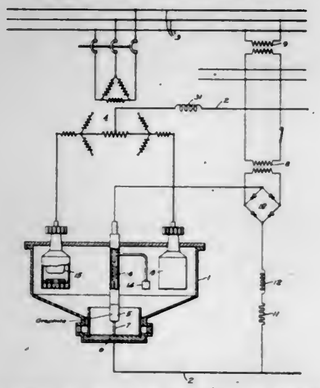
Application September 24, 1938, Serial No. 231,601
9 Claims. (Cl. 221—106)



1. A fluent material dispenser of the character described, comprising a body having an upper part designed for attachment to the mouth of a

fluent material receptacle and a lower housing portion, said upper part having a material receiving throat opening downwardly into the housing, said housing having a discharge opening in the lower part of the wall thereof, a rotary measuring means disposed within the housing and movable to one position to receive fluent material from said throat and to another position to discharge said material through said discharge opening, a vibrating agitator disposed within said throat, and means carried by said measuring means and engaging the agitator for effecting the continual vibration of the agitator while the measuring means is being turned.

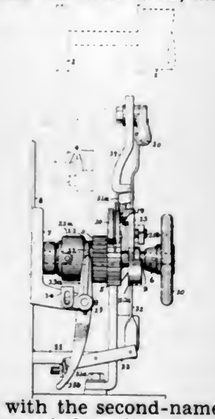
2,154,284
EXCITATION SYSTEM
Herbert A. Rose, Leonia, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1937, Serial No. 138,819
20 Claims. (Cl. 175—363)



1. An electric current converting system comprising an alternating current supply circuit, a vapor-electric device having a plurality of anodes and a vaporizable cathode, transformer means for supplying potential from said alternating current circuit to said anodes, a direct current circuit connected to said device, a keep-alive electrode in said device, a body of material suitable for operation as a make-alive electrode electrically connected to said keep-alive electrode and extending between said keep-alive electrode and the cathode of said device, a source of keep-alive potential, and connections for impressing said potential between said keep-alive electrode and said cathode.

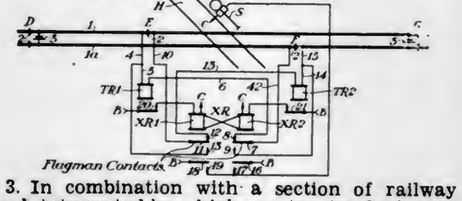
2,154,285
TAKE-UP MECHANISM FOR LOOMS
Joseph J. Rosenthal and Walter Waskiewicz, Paterson, N. J.
Application October 15, 1938, Serial No. 235,268
3 Claims. (Cl. 139—316)

1. In a loom, the combination, with supporting structure, a driven take-up-roll-including train of intergeared rotary elements journaled therein, a constantly moving driving member normally engaged but movable out of engagement with an element of the train, a lever fulcrumed in said structure and movable to move the driving member out of engagement with said element, and means normally engaged with said train and limiting re-rotation thereof but movable out of engagement therewith to free the train for unlimited re-rotation, of means to move said lever and thereby the driving member out of engagement with said element and also move the first-named means out of engagement with said train comprising a lever fulcrumed in said structure and engaged with the first lever, an upstanding



link connected with the second-named lever and operatively connected with the first-named means, and a hand-lever having the link pivoted thereto and depending therefrom, said hand-lever being fulcrumed in the frame and movable in an up-and-down direction.

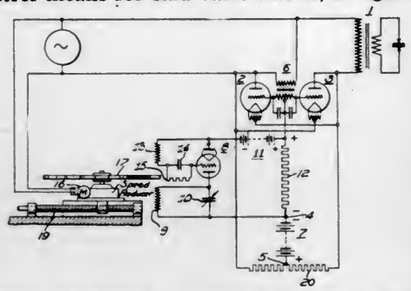
2,154,286
HIGHWAY CROSSING PROTECTION
Edwin J. Schaefer, Wilmington, N. C., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 9, 1936, Serial No. 89,722
9 Claims. (Cl. 246—130)



3. In combination with a section of railway track intersected by a highway, two track circuits for said section, one at either side of the highway, an interlocking relay having two magnets receiving energy from said two track circuits respectively, means controlled by one of said magnets for at times extending the track circuit associated therewith to include the highway, and means governed by said one magnet and including a front contact of the other magnet for at said times controlling the energization of the other of said magnets.

2,154,287
ELECTRICAL CONTROL SYSTEM
Heinrich Schewe, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1936, Serial No. 67,254
In Germany June 20, 1935
16 Claims. (Cl. 250—27)

1. An electric control system comprising, in combination, circuit means for connecting a load device to a source of alternating current, electric valve means interposed in said circuit means to control the flow of current to said load device, control means for said valve means, a high fre-

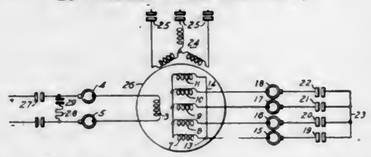


quency generator connected to said control means, and means for periodically decreasing the effect of the oscillations of said generator to periodically render said valve means conducting.

2,154,288
PROCESS FOR MAKING ELECTRICAL CONTACTS
Paul Scholz, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
No Drawing. Application July 1, 1937, Serial No. 151,545. In Germany July 2, 1936
2 Claims. (Cl. 29—155.55)

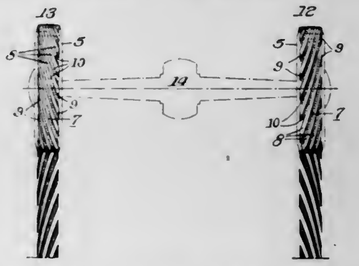
1. A process for making electrical contacts from a powdered refractory material having a high melting point and a metal having a lower melting point, comprising the steps of, subjecting the refractory material in a graphite container to a temperature below the melting point of the material for a sufficient length of time to effect a partial sintering of the powdered material to render it sufficiently rigid whereby it may be moved as a unit without breaking, completing the sintering of the refractory material after it has been removed from the graphite container to produce a porous sintered refractory mass free from carbides at its surface, impregnating the porous refractory mass with a metal having a lower melting point than the refractory material, the lower melting metal filling the refractory material and covering the surfaces of the mass, and immersing a surface of the mass filled with the lower melting metal in an acid for removing the lower melting metal from the surface to expose the hard, wear resistant, contact surface of refractory material.

2,154,289
DAMPER WINDING FOR SYNCHRONOUS MOTORS
Charles C. Shutt, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1938, Serial No. 210,183
13 Claims. (Cl. 172—120)



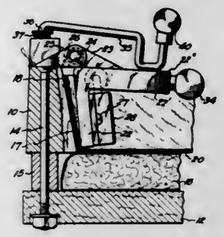
1. A self-starting synchronous motor having a field member with a plurality of salient pole pieces thereon, a direct-current field winding on the pole pieces, a damper winding comprising a plurality of bars placed in slots in the pole faces, all the bars in corresponding positions in the pole faces being connected together in series, so as to form a plurality of circuits extending around the field member, means for connecting said circuits together successively in parallel, and a connection between the ends of the parallel circuit.

2,154,290
TREAD FOR PNEUMATIC TIRES
Charles F. Snyder, Pittsburgh, Pa.
Application January 2, 1937, Serial No. 118,732
5 Claims. (Cl. 152—209)



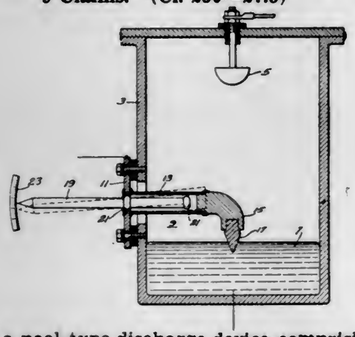
1. A pneumatic tire having a peripheral tread provided with a plurality of unidirectional curved diagonally disposed closely spaced narrow ribs, said ribs extending substantially entirely across the tread of the tire, said ribs tapering substantially continuously from one side of the tire to the other side thereby providing rib portions of greater contact area at one side of the tread, and narrow uninterrupted grooves of a curvature corresponding with the curvature of the ribs separating the ribs.

2,154,291
ACCESSORY FOR GARMENT FINISHING TABLES
James W. Steele, Kansas City, Mo.
Application August 12, 1935, Serial No. 35,713
6 Claims. (Cl. 38—110)



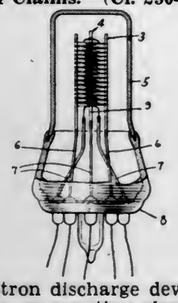
1. An attachment for ironing board for the finishing of shirts and like garments comprising, a clamping member in fixed relation to the upper face of the ironing board, a second clamping member mounted in movable relation to said first clamping member and in position for clamping the rear portion of the collar or neckband of the garment against said first clamping member and in angular relation to said upper face of the board, and heating means carried by one of said clamping members in direct heating relation to its garment engaging surface.

2,154,292
IGNITION ELECTRODE
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1937, Serial No. 182,523
9 Claims. (Cl. 250—27.5)



1. In a pool-type discharge device comprising a plurality of main electrodes and a make-alive electrode in permanent contact with one of said main electrodes, means associated with said make-alive electrode for adjusting the degree of contact of said make-alive electrode with one of said main electrodes, and means outside said device for actuating said adjusting means.

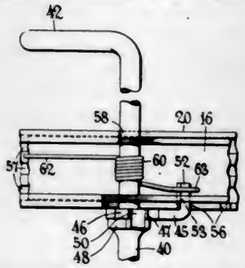
2,154,293
ELECTRON DISCHARGE DEVICE
Winfield G. Wagener, Summit, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 31, 1938, Serial No. 199,195
4 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope, two cooperating electrodes in said envelope, leads to said electrodes, each lead comprising a plurality of conductors sealed in said envelope, each conductor connected with one electrode being interposed between two conductors connected to the other electrode.

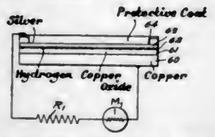
2,154,294
LOCKING MECHANISM FOR ADJUSTABLE SEATS
Le Grand S. Whedon, Medina, N. Y.
Application December 22, 1936, Serial No. 117,207
4 Claims. (Cl. 155—14)

4. In a vehicle seat adjusting structure disposed in an automobile body, a seat, supporting means below the seat for supporting the latter in the vehicle body, adjusting mechanism connected to the seat and to the support for adjusting the seat forwardly and rearwardly in the vehicle body, said mechanism including a pair of interfitting members disposed adjacent each side of the seat and being relatively slidable in a path disposed longitudinally of the vehicle body, an actuating element rotatably mounted transversely on one of each pair of said members, the other member of each pair having a series of latch engaging means spaced lengthwise thereon, a latch pivoted upon the actuating element adjacent said other member of each pair, each latch



releasably engageable with said latch engaging means and normally holding said interfitting members against relative movement, each latch having a pair of spaced abutments, and means on the actuating element disposed loosely between said abutments and movable toward and away from the latter in response to relative pivotal action of the latch and said element to provide a lost motion pivotal connection between the latch and element, and means constantly urging the latch toward its position of engagement with the latch engaging means.

2,154,295
COPPER OXIDE PHOTOVOLTAIC CELL WITH IMPEDANCE LAYER
Earl D. Wilson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1936, Serial No. 76,156
7 Claims. (Cl. 136—89)

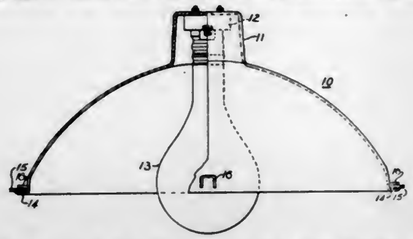


1. The method of making a photo-sensitive device which comprises oxidizing copper to form copper oxide thereon and forming an electron discharge combination with said copper oxide by bombarding the surface of said copper oxide with hydrogen ions and covering the bombarded surface with a metal layer thin enough to be translucent.

2,154,296
LIGHTING FIXTURE
Frederic C. Winkler, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1937, Serial No. 162,255
6 Claims. (Cl. 240—128)

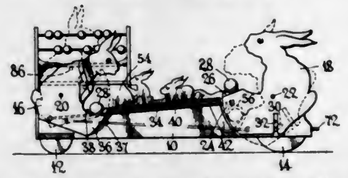
1. A lighting unit for flush mounting in an opening in a supporting surface comprising, a bowl-shaped reflector, a lamp socket mounted within the reflector, and means formed integral with the reflector disposed to be bent outwardly

to engage the upper side of the supporting surface after the reflector has been positioned with-



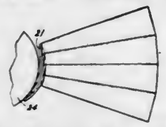
in the opening for supporting the unit within the opening in the supporting surface.

2,154,297
ACTION TOY
William O. Yancey, San Francisco, Calif.
Continuation of application Serial No. 172,469, November 2, 1937. This application February 11, 1938, Serial No. 190,062
8 Claims. (Cl. 46—107)



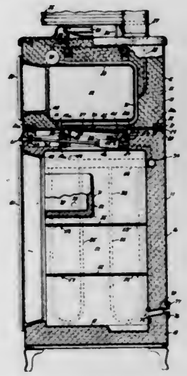
7. In a toy, an inclined runway adapted to support an object in gravity movable relation thereon, a member pivotally mounted adjacent the lower end of said runway and having an object receiving surface thereon, means for oscillating said member about its pivotal mounting to raise said object relative to said runway and to subsequently return said object receiving surface to a position adjacent the lower end of said runway for receiving another such object, the marginal edge portion of said member adjacent the object receiving surface and said runway being formed to provide uniform and close clearance between said runway and adjacent portions of said member during operating movements of said member, whereby the objects being handled are prevented from jamming the relatively movable parts of the toy.

2,154,298
CATHODE FOR ELECTRON DISCHARGE DEVICES
Raymond B. Ayer, Verona, N. J., assignor to General Electric Company, a corporation of New York
Application October 16, 1936, Serial No. 105,844
3 Claims. (Cl. 250—27.5)



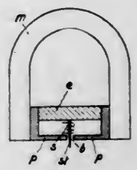
2. A cathode of elongate configuration for an electron discharge device comprising a plurality of spaced vanes extending radially from a cylinder and lengthwise of the cathode, said cylinder being formed of integral arcuate extensions of the vanes, circular disks secured to the ends of said vanes, and a heater within said cylinder.

2,154,299
REFRIGERATOR
Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 31, 1935, Serial No. 24,196
10 Claims. (Cl. 62—116)



1. A refrigerator comprising a plurality of separable heat insulated cabinet sections provided with communicating openings in their adjacent walls, one of said cabinet sections having a freezing compartment therein, means including a primary evaporator for cooling said freezing compartment, said primary evaporator extending adjacent said opening in said one cabinet section, another of said cabinet sections having a cooling compartment therein, means including a secondary evaporator for cooling said cooling compartment, a secondary condenser, means for connecting said secondary condenser in closed series relationship with said secondary evaporator, and means for resiliently supporting said secondary condenser adjacent said opening in said last mentioned cabinet section in heat exchange relationship with the portion of said primary evaporator adjacent said opening in said one cabinet section.

2,154,300
ELECTRICAL RECORDER
Otto Brunnert and Edwin Severin, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 29, 1937, Serial No. 171,602
In Germany November 2, 1936
7 Claims. (Cl. 179—100.41)



1. In an electromagnetic recorder, a magnetic circuit including a magnet and an air gap between the poles thereof, a voice coil, a core inside said coil comprising fixed and movable parts, both of magnetic material and the movable part extending into said air gap, and a stylus secured to said movable part.

2,154,301
ELECTRICAL TORSION CONTACTOR
Frank M. Clement, Beloit, Wis., assignor, by mesne assignments, to Torsion Grip Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 6, 1935, Serial No. 53,220
10 Claims. (Cl. 173—328)



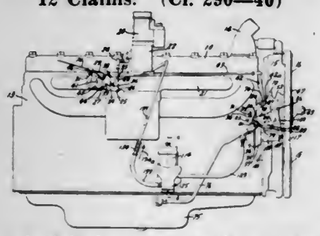
1. An electrical connector comprising a pair of superimposed spring metal leaves rigidly joined at one end and at their other end carrying outstanding semitubular prong-grips one on each leaf and mutually disposed for coaction with each other to embrace an interposed contactor prong, a pair of apertured insulating plates connected together with an aperture in one plate in substantial registration with that in the other plate and forming a holder for said connector, said plates being spaced apart sufficiently for reception of the spring metal leaves of said connector and to permit torsional bending of said leaves, the spring leaves being disposed in the space between the plates and the semi-tubular prong grips of said connector being disposed in the aperture of one of the insulating plates in alignment with the registering aperture in the other plate.

2,154,302
TORSION GRIP CONTACT
Frank M. Clement, Beloit, Wis., assignor to The Torsion Grip Manufacturing Company, Chicago, Ill.
Application September 25, 1937, Serial No. 165,663
5 Claims. (Cl. 173—328)



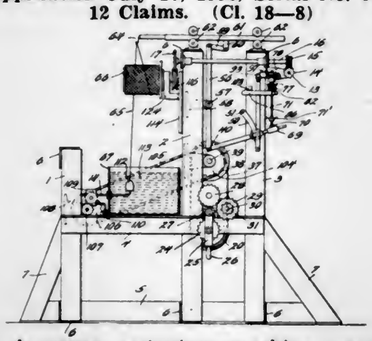
1. A torsion grip contact comprising an oblong body of resilient sheet metal having a lateral longitudinal fold line and forming two leaves in part at least disposed in substantial parallelism and each lying in a substantial common plane, one leaf having a wire receiving terminal at one end, and the opposite end thereof and the corresponding end of the other leaf being formed to jointly constitute a resilient prong receiving socket extending substantially perpendicularly to the parallel portions of the leaves to receive and embrace a contact pin thrust axially into said socket.

2,154,303
POWER SYSTEM
La Mar S. Cooper, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 30, 1937, Serial No. 171,981
12 Claims. (Cl. 290—40)



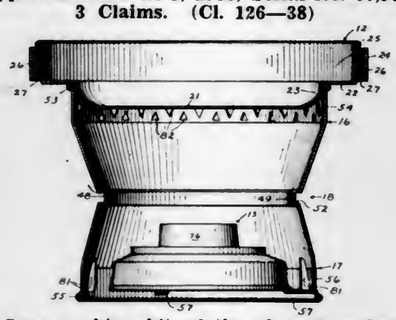
1. An electrical power system including a prime mover, speed responsive means for governing the speed of said prime mover, means dependent upon the load on said prime mover for varying the response of said governing means by varying the loading thereof, and electroresponsive means dependent upon the electrical load on said power system for controlling said response varying means.

2,154,304
RAYON SPINNING MACHINE
John B. Dove, Atlanta, Ga., assignor of forty-nine per cent to Lee Roy Muse
Application July 17, 1936, Serial No. 91,197
12 Claims. (Cl. 18—8)



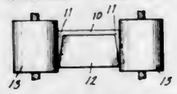
1. A rayon spinning machine comprising means for forming and winding a thread, said means including means for winding the same unit length of thread per layer wound irrespective of the increased diameter of the built-up thread and comprising a thread winding spindle, means for driving the spindle at a predetermined constant speed, thread distributing means associated with said spindle, and means co-acting with said spindle driving means for automatically increasing the output of the thread forming means and automatically controlling the stroke of the distributing means in proportion to the increase in winding speed of the thread during the winding process.

2,154,305
COOKING KIT
Conrad P. Goerl, Oakland, Calif.
Application March 9, 1936, Serial No. 67,900
3 Claims. (Cl. 126—38)



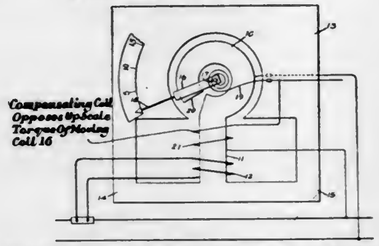
1. In a cooking kit of the class described, a burner, a cooking pan, a tubular support member having its axis upright and mounting said pan at its top rim with the pan sealing its upper end and having a portion thereof extending into the bore of the member in laterally spaced relation thereto, said member receiving the burner within its lower portion and in laterally spaced relation to the bore of the member thereat and providing brackets for supporting the burner above the base of the member, and outlet and inlet openings provided in said support member solely opposite the depending pan bottom and the burner respectively for controlling the circulation of heat from the burner with respect to the pan bottom.

2,154,306
STAPLE STRIP AND METHOD OF PRODUCING THE SAME
Charles B. Goodstein, Brooklyn, N. Y.
Application March 18, 1937, Serial No. 131,643
2 Claims. (Cl. 59—71)



2. The method of forming a strip of adhesively connected staples from wire of uniform cross-section which consists in bending the wire into substantially U-shape with the legs diverging downwardly and grinding the outer faces of said legs into parallel relation with each other and into right angular relation with the crown, whereby staple legs of tapered cross-section are produced and the outer surfaces of the legs are in continuous planes at each side.

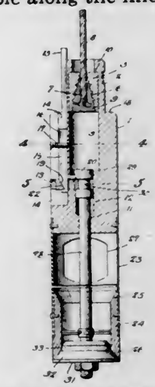
2,154,307
COMPENSATING MEANS FOR LONG-SCALE WATTMETERS
William D. Hall, West Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 8, 1937, Serial No. 152,554
4 Claims. (Cl. 171—95)



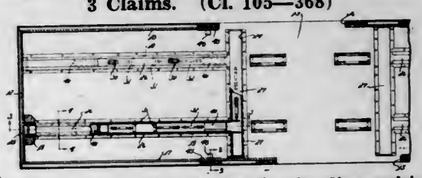
3. An instrument comprising, a magnetic circuit having inner and outer parts separated by a circular air gap, the inner part comprising a C-shaped core member, one end of the C being magnetically connected to the outer part of the magnetic circuit, a current coil for producing a current flux through the magnetic circuit and across the air gap, a voltage coil threaded by said C-shaped core member and pivoted at the center of the C so as to rotate about such pivot in said air gap, and a stationary compensating coil connected in series opposition with the voltage coil and having about half as many turns as said voltage coil.

2,154,308
CEMENT SPRAYER
Irwin R. Henderson, Charleston, W. Va.
Application April 16, 1938, Serial No. 202,564
4 Claims. (Cl. 166—19)

1. A cement sprayer including a casing having a conical valve seat at its lower end, a conical valve cooperating with the seat to retain a fluid cement in the casing, a latch for holding the valve to the seat, a supporting line for the casing, a weight slidable along the line, and means operated by the weight for actuating the latch to release the valve to deliver an unbroken conical sheet of fluid cement between the valve and seat.

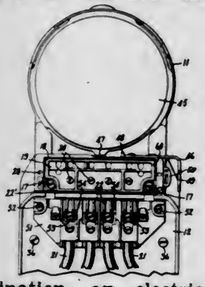


2,154,309
CAR LOADER
William M. Hoose, Highland Park, Mich.
Application March 5, 1934, Serial No. 714,065
3 Claims. (Cl. 105—368)



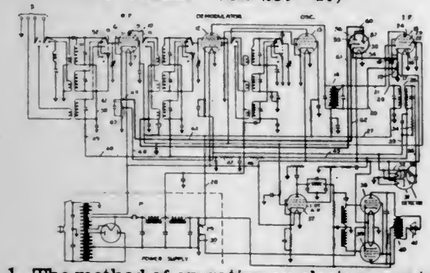
1. In a car loading device for loading vehicles having a pair of spaced front wheels and a pair of spaced rear wheels, the combination of: a structure into which vehicles are to be loaded, and having a bottom provided with a pair of spaced, longitudinally-extending, parallel slots and connected, adjacent one of their ends, by a transversely-extending slot; a pair of supporting members, each permanently engaging at one of its ends in one of said parallel slots adjacent the end thereof and swingably mounted at said end to said bottom, said supporting members being swingable to lie in said slots and being adapted when lying therein for substantially filling the same and forming with its outer face a continuation of the upper face of the bottom; a transversely-extending connecting member connecting the free ends of said supporting members and adapted for lying in and substantially filling said transversely-extending slot and forming with its outer face a continuation of the bottom, said supporting members being swingable into elevated position at their free ends and being of sufficient length to engage simultaneously the front and rear wheels of a vehicle for supporting the same, said transversely-extending connecting member projecting at its opposite ends beyond the outer sides of said supporting member; a keeper swingably mounted on the side walls of the supporting structure and swingable into position below the projecting ends of said connecting member for retaining the same in elevated position, the fit of said supporting members in said slots being a snug one, and the sides of said members at the pivoted end engaging the sides of said slot for resisting lateral movement of said supporting members relatively to said slots.

2,154,310
METER CONNECTION BOX
Isaac F. Kinnard, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 17, 1936, Serial No. 59,598
2 Claims. (Cl. 175—225)



1. In combination, an electric integrating meter with a terminal block in a terminal chamber at one end of said meter, and a connection box with an opening at one end thereof smaller than said end of said box, said box having walls bent at the edges of said opening to form a projecting tongue, said terminal block being grooved to receive said tongue.

2,154,311
WAVE SIGNALING SYSTEM
Maurice L. Levy, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application June 5, 1936, Serial No. 83,711
6 Claims. (Cl. 250—40)



1. The method of operating an electron ray tube to indicate the tuning of a radio receiver to an incoming signal, said tube having a fluorescent screen which is variably illuminated by the impingement of electrons thereon and having an electron emitting source and a control grid to vary the flow of electrons from said source to said screen which method comprises applying a uniform voltage of one sign to said grid, applying to said grid a voltage of opposite sign, and varying said last-mentioned voltage exponentially in accordance with an incoming signal, between zero and a value substantially equal to the value of said first-mentioned voltage.

2,154,312
DRY BATTERY
Frank MacCallum, Birmingham, England, assignor to Maxolite Holdings Limited, London, England
Application July 8, 1936, Serial No. 89,524
In Great Britain August 25, 1934
12 Claims. (Cl. 136—127)

1. A carbon zinc battery electrode, comprising a zinc plate, and a thin carbonaceous liquid-proof layer adhering to said plate, said layer forming an electrode on said plate and including



a colloidal dispersion of pure carbon in an ammonia-resisting adhesive carrier.

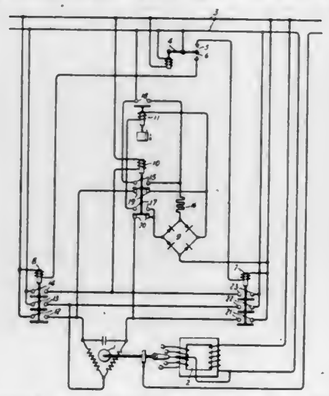
2,154,313
DIRECTING VANE
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1938, Serial No. 199,461
8 Claims. (Cl. 230—274)



1. Directing vanes for a column of air having a rotational component about the axis of flow and a velocity distribution varying with the radial distance from the axis of flow, comprising circumferentially spaced radially extending vanes having edges presented to the axial moving air and having faces extending axially, the faces of the vanes in a radial direction being conversely opposed to the rotational component of the air and cooperating with the rotational component of the air to deflect it axially and radially whereby the rotational component of the air is converted to an axial component decreasing the normal variation in velocity distribution.

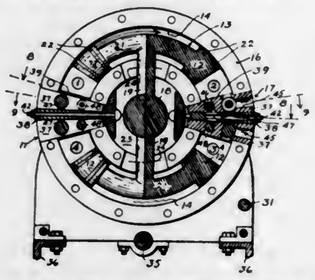
2,154,314
MOTOR CONTROL
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 20, 1935, Serial No. 55,376
Renewed May 13, 1938
5 Claims. (Cl. 172—274)

1. In a motor control system, in combination, a supply circuit, an alternating current capacitor motor having a pair of stator windings connected in series across a capacitor, means for connecting the connection point between said windings to one side of said circuit and selectively connecting opposite sides of said capacitor to the other side of said circuit, and dynamic braking means under the control of said connecting means for applying a direct potential across said capacitor immediately after said connecting means



disconnects the connection point between said windings from said supply circuit.

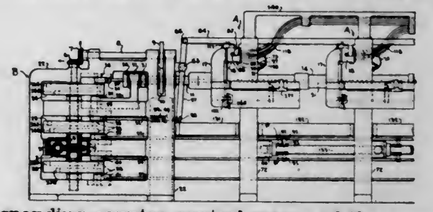
2,154,315
OSCILLATING PISTON ENGINE
John Moraway, San Francisco, Calif.
Application December 2, 1935, Serial No. 52,487
3 Claims. (Cl. 123—18)



1. A cylinder head structure for use in a toroidal cylinder engine of the oscillating piston type, wherein the head is disposed in a radial slot provided through the torus and having a side thereof defining a cylinder end, comprising a head member fittedly engaging said cylinder end to seal the cylinder bore thereat, a wedge member operative longitudinally in the slot and against the head member to secure the latter in its operative position, and releasable means directly coactive between the torus and the wedge member radially of the cylinder bore for disposing and securing the wedge member in its operative position.

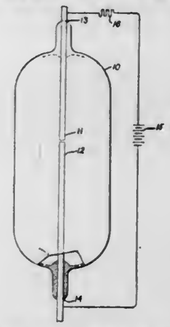
2,154,316
MACHINE FOR COUNTING VOTES
Charles Simek, Chicago, Ill.
Original application July 28, 1928, Serial No. 295,860. Divided and this application September 20, 1934, Serial No. 744,867
5 Claims. (Cl. 235—56)

4. A vote counting machine for counting votes recorded by physical alteration of ballots, said machine comprising in combination, a plurality of sensing blocks at each of which a ballot may be positioned, means for moving a series of ballots to each of said blocks one by one, each series being moved to one of said blocks only, independently operable counter control means for each of said blocks, each control means being governed by the marking of the ballots passing the block with which it is associated, a plurality of counters, each of which is controlled by cor-



responding counter control means of the several sensing blocks, and means for actuating the counters in accordance with said control means and in timed relation to the operation of said ballot moving means.

2,154,317
PRODUCTION OF PULSATORY LIGHT
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1938, Serial No. 232,350
3 Claims. (Cl. 176—124)

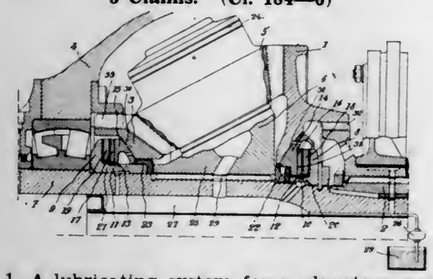


1. A pulsatory light source comprising an envelope enclosing an ionizable medium, a pair of conducting elements within the envelope adapted to serve respectively as anode and cathode, and circuit means for producing a constant current discharge between the conducting elements, the current supplied to the discharge being of such magnitude as to be capable of heating the cathode element to a temperature of effective thermionic emission during the occurrence of a glow discharge and incapable of maintaining such emission during the occurrence of an arc discharge, whereby the discharge is caused to oscillate between an arc and a glow state.

2,154,318
REFRACTORY AND METHOD OF MAKING
Raymond C. Benner and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application December 19, 1935, Serial No. 55,197
7 Claims. (Cl. 106—9)

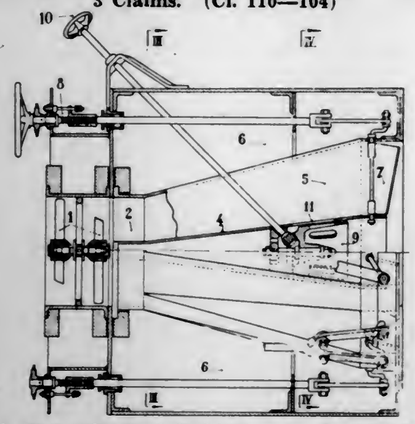
1. The process of making fused cast refractories which comprises incorporating in a bath of molten alumina a mineralizer composed of a halide of an alkaline earth metal in an amount of approximately 1%.

2,154,319
SPEED-REDUCTION GEAR
Marc Birkigt, Bois-Colombes, France
Application August 6, 1936, Serial No. 94,691
In Belgium February 2, 1936
3 Claims. (Cl. 184—6)



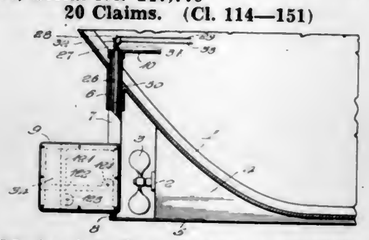
1. A lubricating system for a planetary speed reduction gear having sun wheels and thrust bearings for supporting said wheels, an oil reservoir, an oil pump connected with said reservoir, inlet passages connecting said pump with said thrust bearings, oil outlet passages from said thrust bearings, and means for throttling the flow of oil through said outlet passages, said means forming a wide, thin channel of small cross-sectional size.

2,154,320
PULVERIZED-FUEL BURNER
Robert Jean Charles Boudrant, Paris, France, assignor to Société d'Electricité de Paris, Paris, France, a joint-stock company of France
Application March 10, 1937, Serial No. 130,170
In France March 25, 1936
3 Claims. (Cl. 110—104)



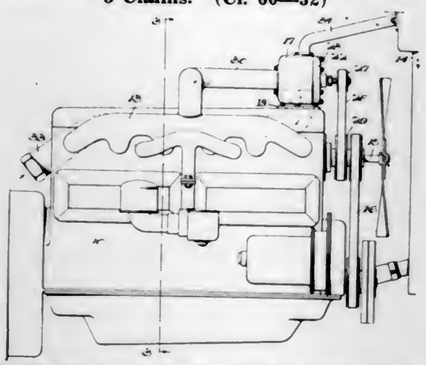
1. In a pulverized-fuel burner, a pipe supplying a current of primary air containing pulverized fuel, two rotary mixing devices in said pipe, each of said mixing devices comprising a helically bladed rotor adapted for revolving by said current, one of said rotors having right handed blades and the other left handed blades, and the two rotors being arranged coaxially, one immediately behind the other, said mixing devices adapted to homogenize the mixture of air and fuel in said current, means for dividing said homogenized current into a plurality of streams, said dividing means including a plurality of substantially equal ports, said mixing devices having blades rotating in proximity to the ports of said dividing means, a plurality of ducts conveying said streams, said ducts being spaced around the axis of said pipe and increasing in radial height while decreasing in angular width towards the burner mouth, a casing for supply of secondary air, said casing being in communication with the spaces between said ducts, and means for regulating the mixture of secondary air from said spaces with said primary air streams at the burner mouth.

2,154,321
STEERING MECHANISM FOR WATER AND AIRCRAFT
Henry C. Briggs, Brooklyn, N. Y.
Original application October 10, 1936, Serial No. 105,112. Divided and this application June 11, 1937, Serial No. 147,779
20 Claims. (Cl. 114—151)



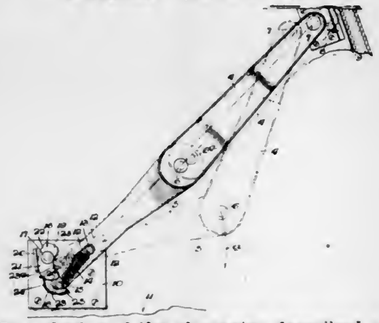
1. Mechanism for maneuvering vessels comprising in combination a hollow rudder, means for angularly adjusting the rudder through selected vertical planes, tubular conduits extending horizontally from front to back of the rudder, and vertically from top to bottom, turbines each having an impeller, drive means for rotatively driving said impellers, means individual to each of said conduits for including one of said impellers in the fluid path thereof, and separate means for controlling the operation of said drive means for correspondingly controlling the discharge force of fluid through said rudder.

2,154,322
INTERNAL COMBUSTION ENGINE
Lloyd F. Cecil, Shanghai, China
Application June 3, 1936, Serial No. 83,390
3 Claims. (Cl. 60—32)



1. In an internal combustion engine having cylinders, pistons operating therein, a head closing said cylinders, and a cooling jacket surrounding the cylinders and adapted to have a cooling medium circulated therethrough, said head having an opening in the upper portion thereof, said cylinders having intake and exhaust ports, a blower mounted on said engine head and having its intake connected to the exhaust ports of the cylinders, a cooling jacket surrounding portions of the blower and having an opening registering with the opening in the head whereby the cooling jacket of the blower communicates with the engine cooling jacket, a radiating device connected at its lower end to the engine cooling jacket, means to connect the upper portion of the radiating device to the blower cooling jacket, and means to operate the blower.

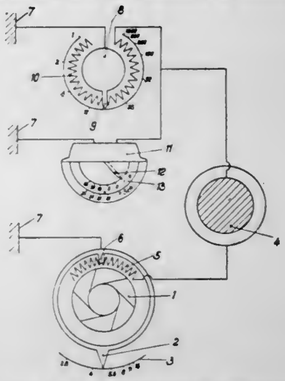
2,154,323
SUPPORTING MECHANISM
Ira M. Coppock, Dayton, Ohio, assignor of five one-hundredths to N. Douglas Parker, Jr., Washington, D. C., thirty-two one-hundredths to Homer D. Humphrey, and thirty-two one-hundredths to George S. Blackmore, both of Pittsburgh, Pa.
Application January 19, 1938, Serial No. 185,775
6 Claims. (Cl. 217—60)



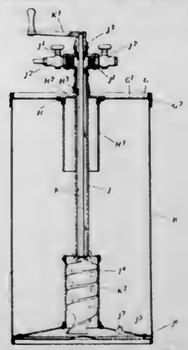
6. In a device of the character described, comprising a pair of pivotally connected arms adapted to support a movable member with relation to a stationary member, one of said arms being pivotally connected to one member and the other of said arms being provided with a slot adjacent one end, a bracket secured to the other of said members, a pin carried by the bracket and extending through said slot, said pin and slot thereby enabling pivotal and slidable movement of said other arm with respect to the bracket, resilient means connecting said pin and said other arm and tending to maintain said other arm in such position that one end of said slot engages the pin, and means for preventing pivotal movement between said arms in one direction when the latter are extended to supporting position comprising a dog pivoted to said bracket and cooperating with said end of the other arm for movement thereby to a predetermined latching position during slidable movement of said other arm in a direction to move the opposite end of said slot against said pin, means cooperating with said other arm for preventing pivotal movement between said arms in the opposite direction when said dog is moved to latching position, and a leaf spring cooperating with said dog for resiliently maintaining the latter in said latching position.

2,154,324
PHOTOGRAPHIC CAMERA WITH EXPOSURE METER
Agop Ohan Couyoumdjian, Berlin, Germany
Application March 10, 1937, Serial No. 130,190
In Germany February 28, 1936
2 Claims. (Cl. 95—10)

1. A photographic camera provided with an exposure meter comprising a photoelectric cell, and a circuit connected to said cell, said circuit having a first variable resistance in series with said cell and a circuit portion in series with said first resistance and cell, said circuit portion consisting of two parts connected in parallel, one of said parallel parts being of substantially constant resistance and containing a measuring instrument, and a second variable resistance in the other part, one of said variable resistances being coupled to the means for adjusting the diaphragm of the camera and the other being coupled to the means for setting the speed of the shutter.

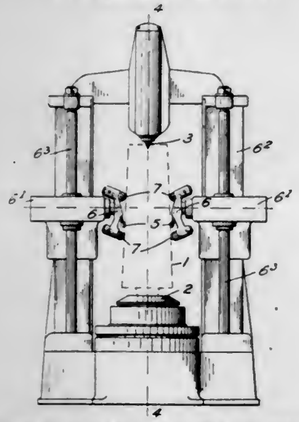


2,154,325
APPARATUS FOR DELIVERING MATERIAL IN SOLID, PLASTIC, OR SEMILIQUID FORM FROM STORAGE CONTAINERS
Paul Faulkner Crothers, London, England, assignor to Trier Bros. Limited, London, England, a company of Great Britain
Application August 23, 1938, Serial No. 226,393
In Great Britain September 1, 1937
13 Claims. (Cl. 221—85)



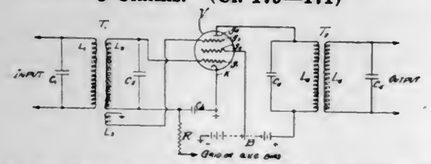
1. Apparatus for delivering from a container material in plastic or semi-liquid form comprising a cylindrical intake chamber, a delivery tube connected to the upper end of the intake chamber and leading therefrom to a point of discharge, a helix mounted to rotate within and closely fitting the cylindrical intake chamber, means for rotating the helix, means for supporting the intake chamber and delivery tube in a manner permitting the intake chamber and delivery tube to move vertically relatively to the container, and an annular piston mounted upon the lower end of the intake chamber and adapted to make a close sliding fit with the inner walls of the container and to bear down upon the surface of the material to be delivered therefrom.

2,154,326
MACHINE TOOL
Anatol Dorin, Prague, Czechoslovakia
Application September 27, 1937, Serial No. 165,973
In Czechoslovakia October 1, 1936
17 Claims. (Cl. 82—2)



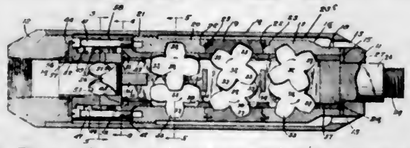
1. A machine tool for rotary machining of work of non-circular cross-section, comprising means for supporting and rotating the work upon a vertical axis, a cutting tool, resilient means for holding said cutting tool against the periphery of the work, means engaging with the surface of the work for limiting the movement of said cutting tool towards said axis, and means for feeding said cutting tool and said surfacing engaging means along the work during operation of said cutting tool.

2,154,327
SIGNAL AMPLIFIER
Ernest C. Freeland, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 3, 1936, Serial No. 88,853
5 Claims. (Cl. 179—171)



4. An amplifier for wave signals, comprising a space discharge device having an anode, a cathode, a control grid, a screen grid and a third grid, said grids being so positioned with respect to said anode as to provide a certain capacitance between said control grid and said anode and a greater capacitance between said third grid and said anode, an output circuit including an impedance and a source of electrical energy connected to said anode and said cathode, means biasing said screen grid to a positive potential with respect to said cathode, means including an inductance adapted to be energized by a source of input signals for supplying said signals between said cathode and said control grid, a second inductance coupled to said first inductance, and a connection between said third grid and said cathode through said second inductance, for applying a signal of opposite phase with respect to said input signal between said cathode and said third grid, and for providing a low impedance path for unidirectional current, the ratio of the amplitude of said first signal to that of said second signal being of the same order of magnitude as the ratio of said second capacitance to said first capacitance.

2,154,328
TUBE CLEANER MOTOR
Paul E. Good, Riverton, N. J.
Application July 26, 1937, Serial No. 155,809
15 Claims. (Cl. 121—34)



1. In a rotary motor comprising an internally spirally grooved stator, a rotor rotatable within the stator and rotatable pistons carried by the rotor and having lobes blocking said grooves from end to end as the rotor is rotated, said rotor comprising a circular body portion having intermediate its ends a circumferential series of longitudinal supply grooves forming ribs, and a longitudinal diametral slot in which said pistons are mounted, sleeve means sealingly engaged with the ends of said body and the outer faces of said ribs, said sleeve means having slots for the passage of the lobes of said pistons and ports for the delivery of pressure fluid to the grooves of the stator, means to deliver pressure fluid to the grooves of the body member, and means to exhaust fluid from the grooves of the stator.

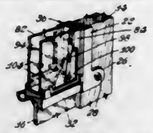
2,154,329
GARMENT CLASP
Herman Guillod, Elgin, Ill.
Application March 11, 1937, Serial No. 130,367
1 Claim. (Cl. 24—81)



A clasp for use in connecting one article of wearing apparent to another, said clasp being formed from a rectangular piece of spring metal the end portions of which are bent upon themselves at one side of the body portion presenting opposing clamping members projecting towards each other to grip a seam of one of the articles of wearing apparel between them, and a tongue struck from the body portion and leaving a longitudinal opening through the latter, said tongue being positioned a slight distance from the other side of the body portion and of slightly less width than the opening to cooperate therewith in holding a strap of an article of wearing apparel in connection with the clasp and aforementioned article of wearing apparel.

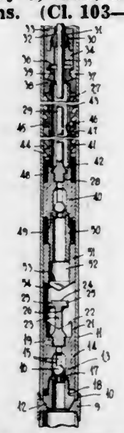
2,154,330
WINDOW
Hugh Hanley and Emile Nielsen, Kankakee, Ill.
Application March 8, 1937, Serial No. 129,733
1 Claim. (Cl. 189—64)

In a device of the type described, a frame having flanges, a transparent pane positioned adjacent said flanges, a pressure frame positioned inside said first frame and bearing against said pane, a second pane mounted on said pressure frame, and resilient means cooperating with said second frame and said second pane for holding



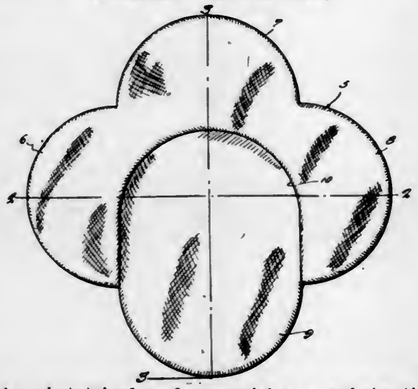
the latter in position, said panes being spaced, to provide an air space.

2,154,331
HYDRAULIC PUMP
Craven D. Hathcock, Oklahoma City, Okla.
Application February 9, 1938, Serial No. 189,647
11 Claims. (Cl. 103—225)



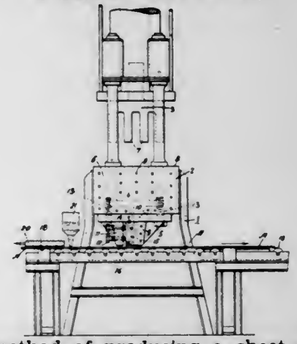
1. A reciprocating pump plunger assembly for a well pump adapted to travel vertically in a working barrel and comprising a tubular plunger body having an upper valve seat and provided with an external spiral groove extending below said seat, a passageway placing said groove in communication with the bore of the body, a valve cooperating with said seat, and a travelling valve secured to the body and arranged below said spiral groove.

2,154,332
OBSTETRICAL RECEPTOR PAD
Raymond S. Hirsch, Viroqua, Wis., assignor of one-half to I. J. Wilson, Portage, Wis.
Application September 1, 1936, Serial No. 98,937
1 Claim. (Cl. 128—292)



An obstetrical pad comprising a substantially oblong shaped central absorbent portion to be arranged under a crotch of a person while in a reclining position and having rounded ends and substantially straight parallel sides and provided with a recess spaced from the ends and sides thereof to catch fluids from the crotch of the person and having the bottom wall sloping towards one end of the central portion to increase the depth of the recess at said end of the central portion to retain the fluids while being absorbed by said central portion, and a marginal absorbent portion forming an integral part of the central portion and arranged along a portion of the sides and one end of said central portion and providing thereto a pair of flaps arranged opposite to each other and adapted to underlie the buttocks of the person, and an end flap to underlie a portion of the back of the person.

2,154,333
PROCESS FOR EXTRUDING PLASTIC MASSES ONTO SHEETS
Adolf Kampfer, Charlottenburg, Berlin, Germany
Original application April 23, 1936, Serial No. 76,046. Divided and this application September 14, 1937, Serial No. 163,866. In Germany January 31, 1936
6 Claims. (Cl. 18—57)



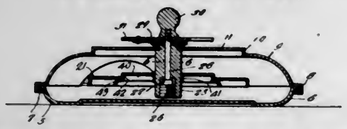
4. A method of producing a sheet of plastic material and applying it upon a supporting element including disposing a highly polymerised mass of material having a softening temperature of at least 100° C. within a chamber having a relatively deep extrusion slot, the slot having a length equal to the width of the supporting element upon which the sheet is to be applied, forcing the material out of said slot under pressure while maintaining within the chamber and within the extrusion slot a temperature of from 100° C. to 133° C. and simultaneously passing a preheated supporting element beneath the lower end of the extrusion slot and at right angles thereto and at a distance from the lower end of the slot approximately equal to the width of the slot and to the thickness of the layer desired to be placed upon the support.

2,154,334
MANUFACTURE OF THIONES AND SELENONES
John David Kendall, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application May 18, 1937, Serial No. 143,398. In Great Britain May 20, 1936
8 Claims. (Cl. 260—302)

1. The process for the production of N-alkylated-μ-thiones and selenones of five-mem-

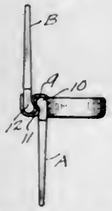
bered heterocyclic nitrogen bases of the type used in the production of cyanine dyes which comprises treating a compound taken from the class consisting of μ-mercaptans and selenomercaptans of five-membered heterocyclic nitrogen bases of the type used in the production of cyanine dyes with an alkylating agent to convert the mercaptan group to the corresponding alkylmercapto group, treating the resulting compound with an alkyl salt to form a quaternary ammonium salt, and heating the resulting quaternary ammonium salt with a weak organic base.

2,154,335
ASHTRAY ATTACHMENT
Albert A. Kickhofel, Detroit, Mich.
Application July 24, 1937, Serial No. 155,543
2 Claims. (Cl. 273—142)



1. An indicator attachment for receptacles comprising a fixed dial plate mounted in spaced relation above the bottom of the receptacle, a post depending from the dial plate and partly extending therethrough, a rotary shaft disposed longitudinally in the post and projecting above the post, an indicator carried by the upper portion of the shaft, a removable carrier plate on the lower portion of the post, and auxiliary removable dial plates carried by the carrier plate and adapted when desired to be placed on the fixed dial plate.

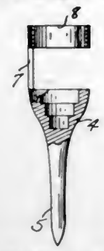
2,154,336
COMB
Alvin Newton King, Oakland, Calif.
Application March 7, 1938, Serial No. 194,435
2 Claims. (Cl. 132—19)



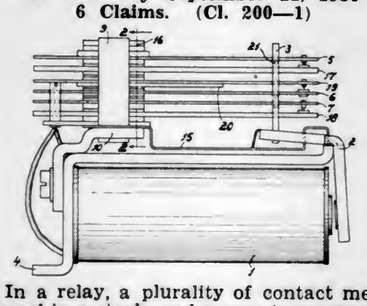
1. A comb of the class described, comprising oppositely disposed comb elements having beaded sections and comb teeth extending therefrom, a spring clip member having recesses formed therein and adapted to receive said beaded sections, and a split resilient finger ring formed on said spring clip to retain the comb on the finger of an operator.

2,154,337
THIMBLE STICK ATTACHMENT
Alvin Newton King, Oakland, Calif.
Application March 7, 1938, Serial No. 194,436
2 Claims. (Cl. 132—1)

2. A device for treating the hair and scalp, comprising a body member having an elongated and pointed extremity, a finger recess formed in said body member and embodying stepped sections of varying diameters, and means carried by said body member adjacent to the recess thereof and extending outwardly therefrom to retain said member on the finger of an operator and including an overlapped ring arranged in axial alignment with the recess in said body.

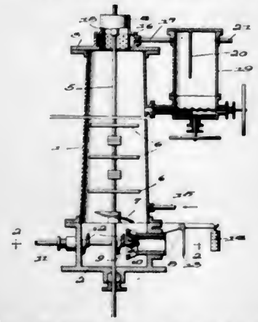


2,154,338
ELECTROMAGNETIC RELAY
Gunnar Börge Knös, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application August 7, 1937, Serial No. 157,995
In Germany September 11, 1936
6 Claims. (Cl. 200—1)



1. In a relay, a plurality of contact members arranged in a stack, and means to compressively hold said members together comprising a compression spring pressing said members together in the stacking direction.

2,154,339
OIL EXTRACTOR
Edwin Lawrence, Cossipore, Calcutta, India
Application September 7, 1935, Serial No. 39,647
12 Claims. (Cl. 87—6)

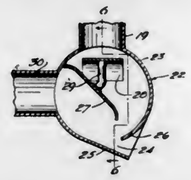


1. In an oil extraction apparatus for finely divided material, an upright extractor chamber shell having tapering sides with the larger end downward and having a lateral discharge mouth at said lower end, said mouth having side openings therein within the shell, and a horizontal screw arranged transversely of said lower end in

position to force the material through said discharge mouth.

9. In an oil extractor apparatus of the character described, an extractor shell having a chamber therein, fixed arms secured to said shell and projecting into said chamber, a support carrying movable arms in horizontal alignment with said fixed arms, and means for oscillating said movable arms toward and from the fixed arms for squeezing material therebetween.

2,154,340
TRACTION ATTACHMENT FOR VEHICLES
Hiram M. Legoff and Myron Lait, Denmark, Maine
Application May 23, 1938, Serial No. 209,619
3 Claims. (Cl. 291—3)



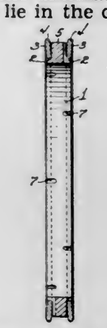
1. A distributing nozzle for a vehicle sanding means comprising an elongated hollow body having an elongated discharge opening, a sand intake opening and an exhaust intake opening, a baffle in said body between said intake openings and inclined in the direction of said discharge opening, an edge of said baffle being spaced inwardly from said discharge opening, a second baffle in said body between said first baffle and said sand intake opening and positioned below said sand intake opening with the edges thereof spaced from the side walls of said body, and means secured to said first and second baffles supporting said second baffle relative to said first baffle.

2,154,341
STABILIZATION OF FATTY ACID COMPOUNDS
George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 23, 1936, Serial No. 70,408
4 Claims. (Cl. 87—16)

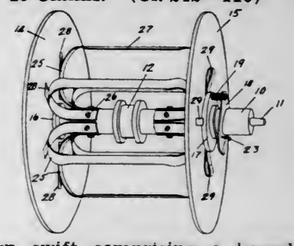
1. A soap containing a small proportion of a stabilizer against deterioration and development of rancidity consisting of a substituted thiourea, the substituents of which are selected from the group of radicals consisting of non-substituted aryl, biaryl, haloaryl, alkaryl, alkoxyaryl, alkyl, aralkyl, hydroxyalkyl, alicyclic, acyl, aracyl, oxyalkyl and guanyl.

2,154,342
OIL RING
Ralph J. Marvin, Los Angeles, Calif., assignor of one-half to August Wiebke, Los Angeles, Calif.
Application April 7, 1938, Serial No. 200,796
3 Claims. (Cl. 309—45)

1. A piston ring comprising an annular body, annular shoulders extending laterally from the side faces of said annular body of smaller diameter than the latter, said annular shoulders being cupped in cross section, and rings mounted on said annular shoulders of larger outside diameters than the annular body, said rings being fashioned to lie in the cupped cross sectional formations of said annular shoulders for connecting the rings with the annular body.

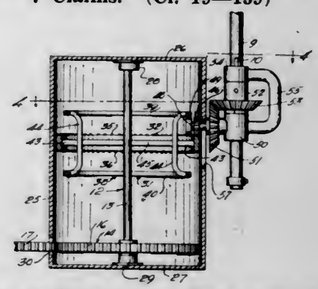


2,154,343
CAKE SWIFT
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware
Application May 28, 1937, Serial No. 145,347
19 Claims. (Cl. 242—110)



1. A yarn swift comprising a barrel and a plurality of loops lying across the swift attached only to the barrel and radiating therefrom, the outer sides of the loops forming the periphery of the swift, the ends of the loops being resilient and bowed, in combination with heads adapted to press against the sides of the loops, thereby increasing the periphery of the swift.

2,154,344
OSCILLATORY DRIVE FOR SLIVER RECEIVING CANS
Baldy McGinnis, Roswell, Ga., assignor of one-half to R. A. Carruth, Roswell, Ga.
Application June 8, 1938, Serial No. 212,561
7 Claims. (Cl. 19—159)



6. In an oscillatory drive for a sliver receiving can, an oppositely revoluble drive for the can, an oppositely revoluble mangle rack for operating said drive, a slidably suspended driven means

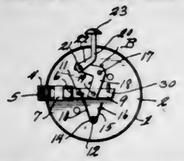
automatically bodily movable in a rectilinear path for revolving said mangle, said means and mangle having coacting parts for reversing the direction of movement of the mangle after a substantially complete revolution of the latter.

2,154,345
POULTRY WATERER
Stanley Burrill Miller, Morgantown, W. Va.
Application September 13, 1935, Serial No. 40,481
6 Claims. (Cl. 119—72)



1. A poultry watering device of the type described, comprising a trough having a series of apertures in its bottom, a section of liquid conveying wire mesh, and a strip of material attached to each side wall of said trough, said strips converging downwardly and being attached to said section of mesh at points spaced from the upper edge thereof to suspend said section with its upper edge portion free and in vertical alignment with said series of apertures.

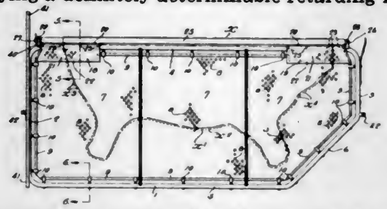
2,154,346
DISPENSING DEVICE
Gurves Mills, Nacogdoches, Tex.
Application October 13, 1938, Serial No. 234,823
5 Claims. (Cl. 221—16)



1. A dispensing device comprising a plate having a discharge, a valve on the plate for coaction with the discharge, means for normally maintaining the valve in closed position, a lever pivoted to the plate, a second plate carried by the first plate and overlying the valve and lever, and a member extending between the plates and operatively engaged with the lever, said member upon substantial endwise movement between the plates in one direction rocking the lever to move the valve into open position.

2,154,347
LEATHER FRAME
Charles S. Morrison, Elkins Park, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application March 24, 1937, Serial No. 132,828
6 Claims. (Cl. 149—21)

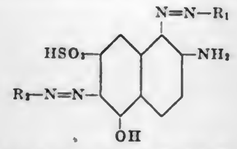
1. A support for a hide comprising a planar frame, a roller along one edge of the frame around which the hide may be folded with portions thereof disposed at opposite sides respectively of the plane of the frame, and means for applying a definitely determinable retarding force



to the rocking motion of said roller transversely to the plane of the frame.

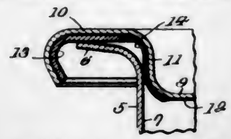
2,154,348
MORDANT AZO DYESTUFFS AND A PROCESS FOR MAKING SAME
Max Müller and Roger Ratti, Basel, Switzerland, assignors to the firm of Durand & Huguenin S. A., Basel, Switzerland
No Drawing. Application May 19, 1937, Serial No. 143,624. In Germany May 28, 1936
24 Claims. (Cl. 260—148)

20. Water soluble metal compounds of polyazo-dyestuffs corresponding to the following general formula:



wherein the two aromatic radicals R_1 and R_2 bear a hydroxy group in ortho-position to the azo-groups and at least one of them has a carboxyl group in ortho-position to a hydroxy group, these dyestuffs containing at least one metal in complex combination.

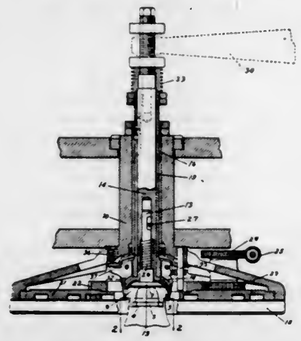
2,154,349
CAN CLOSURE
Frank J. O'Brien, Pelham, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 23, 1937, Serial No. 181,438
1 Claim. (Cl. 220—81)



A closure member for interiorly coated can bodies comprising a peripheral flange portion adapted to be rolled into sealing engagement with the flange of a can body, and a central depressed portion shaped so as to fit within the open end of the can body, said closure member on its inner face having an overall protective coating and a coating of wax applied to said protective coating and extending from the bottom of the wall of the depressed portion to the flange and terminating adjacent the inner portion of said flange, and a coating of sealing material extending from the outer edge of the wax coating to the outer edge of the flange whereby said sealing material is rolled with the flange on the closure member and the flange on the can body into a double seam for sealing the same, while the wax coating serves to lubricate the surfaces sliding one upon the other during the seaming operation and close

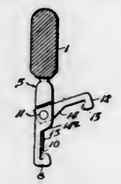
and seal the space between the body wall and the wall of the depressed portion in the closure member.

2,154,350
CONTAINER COVER APPLYING MACHINE
Frank O'Neill, Jr., New York, N. Y., and Albert F. Pityo, Clifton, N. J., assignors to Tamper-Proof Seal Corporation, New York, N. Y., a corporation of Maryland
Application October 27, 1933, Serial No. 695,520
Renewed April 8, 1938
29 Claims. (Cl. 226—81)



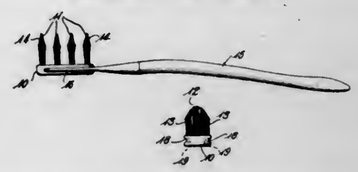
25. In a machine for applying container covers having a central mouth covering portion and a surrounding skirt portion carrying seal forming material, means for applying said central portion over the mouth of a container, means for collapsing said skirt portion about the neck of said container, and means operating solely upon said skirt and said seal forming material carried thereby for forming thereof a constricted band about the container neck.

2,154,351
HEDDLE BAR FRAME
Marshall Memory Payne and Harvey Lee Sifford, Kannapolis, N. C., assignors to Pioneer Atlanta Company, Incorporated, Atlanta, Ga., a corporation of Georgia
Application August 18, 1937, Serial No. 159,770
5 Claims. (Cl. 139—92)



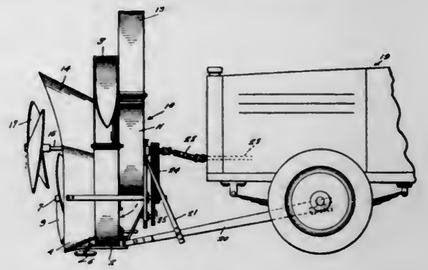
1. In combination with a heddle frame and heddle bars carried thereby, a hook carried by the frame and adapted to engage said bars comprising an element having one end attached to said frame and its opposite end provided with a slot for receiving a heddle bar, a complementary element pivotally connected to said first named element provided with a slot for receiving a heddle bar, and means associated with said elements and engageable with the heddle bar for opening said elements upon a movement of the heddle bar in the plane of the slots and beyond the point where said bar clears said slots.

2,154,352
TOOTH BRUSH
Howard C. Peterson, Arlington, S. Dak.
Application May 17, 1937, Serial No. 143,230
1 Claim. (Cl. 15—167)



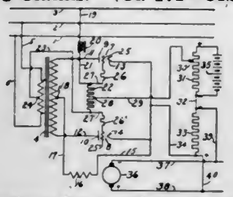
A toothbrush of the type described comprising a back member having projecting from one face thereof a plurality of transversely extending rows of bristle groups with three closely positioned groups to each row, all of the said rows being spaced a distance substantially equal to that of the inter-proximal spaces of either dental arch of average size, the bristles forming each row being of proper length transversely of the row to collectively form a tapered outer end portion and longitudinally of the row to collectively form an arc with the bristles at the center of the arc being of greater length than the bristles at the opposite sides of the row and with this difference in length exceeding the spacing between said rows, all of the groups of bristles forming each row being of equal diameter transversely at the base of the row, the center group of bristles of each row having a diameter at its base and longitudinally of its row which approximately equals the spacing between rows, the end groups of each row having a combined diameter at their base and longitudinally of the row which approximately equals the said diameter of the center group.

2,154,353
SNOW PLOW
Elmer C. Ploetz, Utica, Minn.
Application July 21, 1938, Serial No. 220,548
2 Claims. (Cl. 37—43)



1. A snow plow comprising, in combination, a pair of blowers, each of said blowers including a casing, a shaft journalled in said casing and a centrifugal fan mounted on the shaft and operable in the casing, augers mounted on the shafts forwardly of the fans, a third blower intermediate the first named blowers and above the horizontal plane thereof. Said third blower also including a casing, a shaft journalled in the casing and a centrifugal fan mounted on the second named shaft and operable in the casing, said second named shaft projecting forwardly beyond the augers, and an auger mounted on the second named shaft forwardly of the first named blowers and above the horizontal plane thereof.

2,154,354
REGULATOR
Russell Ranson, Durham, N. C.
Application July 1, 1937, Serial No. 151,535
3 Claims. (Cl. 171—312)



1. In a system for regulating a direct current circuit having a controlling element such as an excited field winding or the like energized from an alternating current source of potential, an electronic rectifying tube having a grid element, a circuit connecting said grid element with the alternating current source, means in said latter circuit functioning to impress on said grid circuit a base alternating current potential having a wave form with a gradual slope along the time axis before the peak of the wave, said means including an impedance across which the voltage varies linearly with the current and a reactor proportioned to saturate so as to result in a current wave having a gradual slope along the time axis, means for indicating a deviation of the voltage being regulated from a predetermined value, and another circuit directly connecting the grid circuit of said tube with the circuit being regulated through said latter means whereby there is superimposed upon the base alternating current potential a direct current component resulting in a shift of the grid potential in a direction at right angles to the time axis but causing in effect a relatively great phase shift along the time axis due to a change in the terminal voltage of the circuit being regulated, the relatively great effective phase shift resulting from the use of the gradual sloped portion of the base alternating current grid potential before the peak.

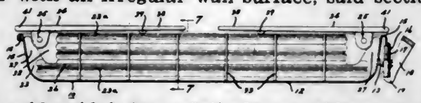
2,154,355
WALL AND LIKE PLUG
John Joseph Rawlings, London, England, assignor to The Rawlplug Company Limited, South Kensington, London, England
Application January 25, 1937, Serial No. 122,271
In Great Britain January 25, 1936
4 Claims. (Cl. 72—105)



1. A wall plug of asbestos fibre and an unset mineral cement with the addition of a cement dilating agent and loading material.

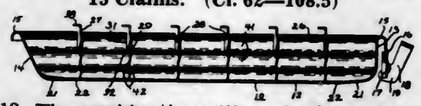
2,154,356
REFRIGERATING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 30, 1937, Serial No. 133,846
12 Claims. (Cl. 62—108.5)

1. A grid for ice trays comprising a plurality of sections, said sections of said grid each having a portion extending parallel to one another and being disposed one above the other in substantially the same vertical plane and forming complementary parts of a dividing member, each portion of said sections of said grid having a corrugation therein providing said dividing member with an irregular wall surface, said sections



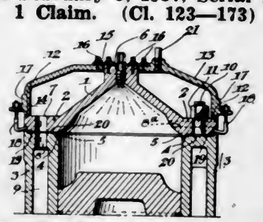
of said grid being relatively movable, and the corrugation in one of said portions of said sections cooperating with the corrugation in the other portion of said sections to move ice away from the wall surface of said dividing member upon moving said grid sections relative to one another.

2,154,357
ICE TRAY
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 17, 1937, Serial No. 148,743
15 Claims. (Cl. 62—108.5)



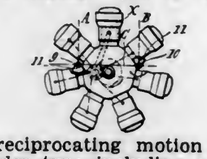
12. The combination with an ice tray of a partition member removably arranged along the longitudinal axis thereof and a second partition member extending transversely of and cooperating with the side walls of the tray and with said longitudinal partition member to form a pair of ice cube compartments, the transverse partition member being formed with a portion flanged at the top thereof to receive a lifting force, and a second portion arranged to provide an obstruction to relative straight line movement between the ice cubes and the transverse partition and thereby resolve the first mentioned force into components some of which tends to break the bond between the ice cube and the partition elements.

2,154,358
CYLINDER HEAD CONSTRUCTION FOR DIESEL ENGINES
William Hope Ross, Estevan, Saskatchewan, Canada
Application February 9, 1937, Serial No. 124,881
1 Claim. (Cl. 123—173)



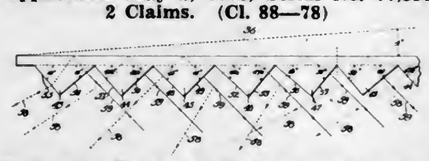
A cylinder head construction comprising in combination a cylinder wall, a conical head member of substantially uniform thickness having a fuel injection valve opening at its apex and an integral depending annular flange at its base, abutting the upper surface of the cylinder wall, a cover fitting over said head member to form a water chamber and having an opening for the apex of said head member, means for detachably securing the cover to the flange of the head member and means for detachably securing the flange to the cylinder wall.

2,154,359
DEVICE FOR BALANCING RECIPROCATING ENGINES
Raoul Roland Raymond Sarazin, Saint-Prix, France
Application July 25, 1936, Serial No. 92,654
In Belgium June 9, 1936
8 Claims. (Cl. 74—604)



1. In a reciprocating motion engine of the radial cylinder type including a rotating shaft and in which vibratory couples are produced, a device for obviating the effects of said couples, which comprises, in combination, two shafts, parallel to said first mentioned shaft on either side thereof, means for driving said shafts in the same direction and at the same speed as the first mentioned shaft, and at least one eccentric mass carried by each of these two second mentioned shafts in a rigid manner, said masses being in relative positions at 180° to each other with reference to their respective shafts.

2,154,360
SIGNALING DEVICE
Charles F. Scheel and Frederick A. Gessler, La Grange, Ill., assignors to Warning Devices Company, Inc., La Grange, Ill., a corporation of Illinois
Application May 2, 1936, Serial No. 77,584
2 Claims. (Cl. 88—78)



2. In a traffic signal, the combination with a supporting means for maintaining the signal angularly to the path traversed by vehicles to be signaled, of a transparent light deflecting plate having one flat side forming a plane light deflecting surface and having integral with the opposite side of said plate a plurality of groups of transparent parallel right angled triangular prisms having hypotenuses lying in a plane parallel to said flat side, the intermediate prism of each group being of isosceles transverse cross section and the prisms on either side of said intermediate prism being of scalene transverse cross section with the base angles thereof which are nearer said intermediate prism being less than 45 degrees in magnitude.

2,154,361
SYSTEM FOR THE TRANSMISSION OF MECHANICAL POWER
Georg Heinrich Schieferstein, Berlin-Charlottenburg, Germany
Application April 15, 1936, Serial No. 74,571
In Germany April 24, 1935
9 Claims. (Cl. 74—26)

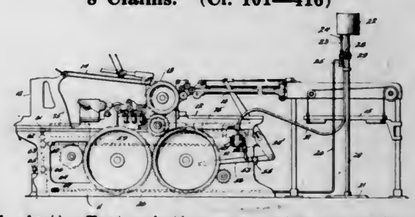


1. An energy transmitting loose-coupling means for use with a mechanical system for the transmission of power in oscillating form, including driving mechanism, and an elastically constrained driven mechanism adapted to oscillate with a variable amplitude; said energy transmitting loose-coupling means being interposed between said driving and said driven mechanisms for transmitting driving impulses from the former to the latter, said coupling comprising solid substantially segmento-spherical rubber members of constant cross section on the surface of contact with one of said mechanisms, said rubber members having their surfaces of contact fixed throughout to the last mentioned mechanism, and variable cross section on the surface of contact with the other mechanism.

2,154,362
CASEIN PAINT COMPOSITION
Herman A. Scholz, Oak Park, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 4, 1935, Serial No. 4,877
12 Claims. (Cl. 134—46)

10. A casein paint in paste form characterized by its stability and substantially uniform viscosity over long periods of time, which comprises the heat-reaction product of water, casein, a pigment reactive with respect to casein, a sufficient quantity of an alkaline-reacting casein solvent, and, as a stabilizer, an alkali metal salt of the amphoteric hydroxides of the metals from the group consisting of aluminum, antimony, tin and vanadium.

2,154,363
NONOFFSET SPRAYING DEVICE
Frederick W. Seybold, Westfield, N. J., assignor, by mesne assignments, to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 2, 1936, Serial No. 72,401
Renewed February 6, 1939
8 Claims. (Cl. 101—416)

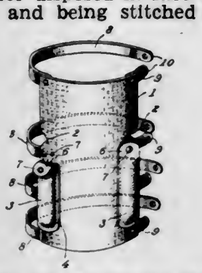


1. Anti-offset printing apparatus comprising a bed and cylinder press, an air cushion cylinder supported at each end of the press and each adapted to cooperate with a piston on its end of the bed, an air tank, a pipe from each cylinder to said tank, a check valve in each pipe opening toward said tank, a relief valve on said tank, a spray nozzle directed to deliver anti-offset liquid toward a sheet freshly printed by said press, means connecting said air reservoir and nozzle to deliver air for atomizing the liquid, valves adjacent said nozzle to control the flow of air and liquid thereto, a controller adjacent the press cylinder, means on the cylinder to actuate the controller once per revolution, and a connection from said controller to said valves to operate the valves with the rotations of the press cylinder.

2,154,364
KNEE PROTECTOR
Wilbur A. Snyder, Montoursville, Pa.
Application May 24, 1938, Serial No. 209,784
1 Claim. (Cl. 2—24)

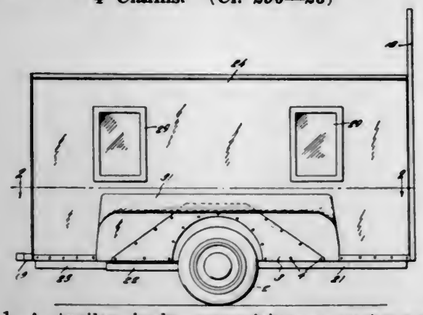
A knee protector for marble players, comprising a body formed from sheet material to provide a

shield, said body being of elongated rectangular configuration and having notches in the side edges thereof, elongated extensions formed on and disposed longitudinally of the side edges of the body, said extensions being folded along their juncture with the body for disposed in face to face relation therewith and being stitched along their



lower edges and one of the longitudinal edges thereof to the body to provide marble receiving pockets having open upper ends and closure flaps therefor, said flaps being folded for disposal in normal open position, means for securing the flaps in closed position and means for securing the body to the leg of the wearer.

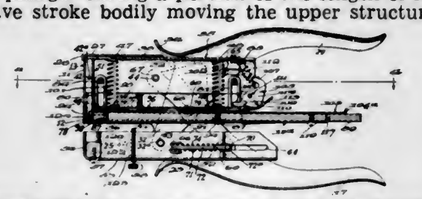
2,154,365
TRAILER
William L. Taylor, Roanoke, Va., assignor of one-half to W. V. Fielder, Baltimore, Md.
Application October 31, 1938, Serial No. 238,006
4 Claims. (Cl. 296—23)



1. A trailer body comprising a rectangular floor having front and rear ends, respectively, a pair of rightangled front and rear sections hinged to the front and rear ends of said floor, respectively, for folding and unfolding movement vertically on said ends toward and from each other, respectively, said sections unfolded providing front and rear extensions of said floor and front and rear wall structures for said body, and a single piece of flexible material attached to said sections and to the sides of the floor for stretching taut into hood formation under unfolding of said sections and collapsing into folded formation under unfolding of said sections.

2,154,366
STAPLING MACHINE
Leroy A. Thomson, La Crosse, Wis., assignor to Bump Paper Fastener Company, La Crosse, Wis.
Application October 16, 1936, Serial No. 106,023
5 Claims. (Cl. 1—49)

1. In a stapling machine, a plunger including a driver depending therefrom, superposed, spaced upper and lower jaw structures, said upper structure for moving towards and having its movement in such direction limited by the lower structure, said upper structure including a guide passage for said driver and a staple feed means controlled from the plunger for successively positioning staples in the path of the driver, said lower structure including an anvil positioned in the path of the driver, said upper structure and plunger having coacting means for slidably suspending the upper structure from the plunger to provide for the plunger during a portion of the length of its active stroke bodily moving the upper structure



towards the lower structure, a pair of handle members, one fixed to said lower structure, the other of said members movable towards the fixed one, bearing on and making said plunger active and being formed with a pair of arms pivoted to the lower structure, and spring controlled couplers slidably connected to said lower structure, pivotally connected to said arms and pivotally connected to said plnnger for permanently maintaining said structures in horizontal parallel relation on the movement of the upper structure towards and from the lower structure.

2,154,367
COMBINATION HACK AND COMPASS SAW FRAME
Joseph M. Up De Graff, Peoria, Ill.
Application June 17, 1937, Serial No. 148,802
3 Claims. (Cl. 145—31)

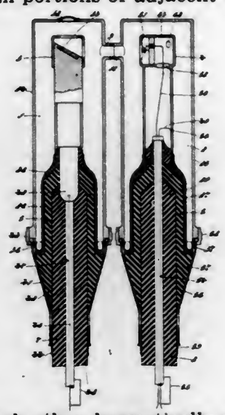


1. A hack saw frame comprising a handle, a slotted bar slidably mounted therein, a blade secured in said handle and slidably mounted in said bar, a collar keyed to one end of said bar and having a stop formed integral therewith, and a metal strip adjustably mounted above said collar to extend through the cut in the work, the end of said strip being bent to engage the work to hold the collar in engagement therewith, the free end of the blade extending beyond said collar and bar to engage the work with the blade mounted to reciprocate in the slotted bar to saw the material.

2,154,368
DISCHARGE TUBE AND METHOD OF MAKING SAME
Jacob Harmannus van der Tuuk and Adrianus Verhoeff, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application April 20, 1937, Serial No. 138,022
In Germany April 23, 1936
7 Claims. (Cl. 250—27.5)

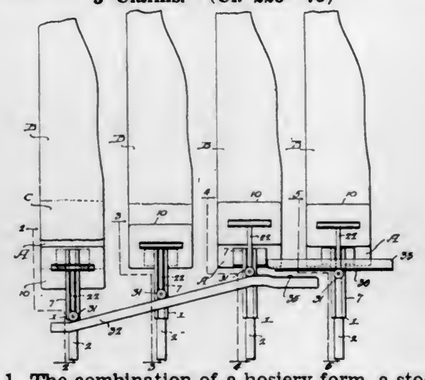
1. A method of making an electric discharge

tube comprising the steps, forming a plurality of evacuated vessels each having a fragile wall portion, arranging said vessels adjacent each other with the wall portions of adjacent vessels in con-



tact with each other, hermetically connecting the envelopes of adjacent vessels to form a common hermetically-tight envelope, and perforating the wall portions to connect the evacuated spaces of the vessels.

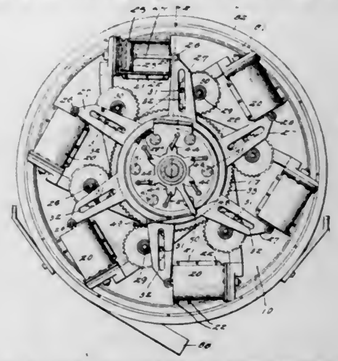
2,154,369
CLAMP FOR HOSIERY DRYING FORMS
Harry F. Wanamaker, Philadelphia, Pa., assignor to Procter & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application May 12, 1937, Serial No. 142,309
3 Claims. (Cl. 223—75)



1. The combination of a hosiery form, a stocking clamp at one side of said form, a carrier for said clamp, a guideway for said carrier disposed in a plane substantially parallel to and spaced laterally from said side of said form and affording movement of said clamp longitudinally of the form in laterally spaced relation to said form, and a pivot for said carrier slidably mounted in said guideway and affording movement of said clamp from said plane into contact with said side of said form.

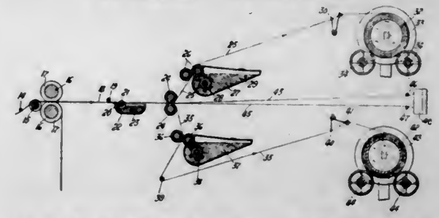
2,154,370
ROTARY INTERNAL COMBUSTION MOTOR
John M. Wolf, Kansas City, Mo., assignor of one-half to Linford G. Wolf, Kansas City, Mo.
Application February 18, 1937, Serial No. 126,476
3 Claims. (Cl. 123—43)

1. In a rotary cylinder engine, a rotatable plate, non-radial cylinders carried on said plate, pistons operable in said cylinders, a common drive ring, an arm for each piston extending from the



drive ring and connected to the respective pistons, said arms having elongated slots, a stationary annular rack, and pinions enmeshed with said rack having pins disposed in said slots.

2,154,371
RUBBER TAPE FORMING AND SEPARATING APPARATUS
Sterling W. Alderfer, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 4, 1937, Serial No. 146,468
11 Claims. (Cl. 164—65)



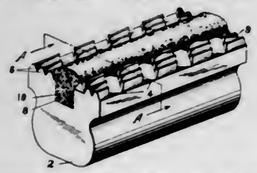
11. In an apparatus for cutting and separating rubber tape from a composite sheet formed of a layer of backing material coated on each side with a layer of rubber, the sub-combination of means for cutting said sheet into a plurality of composite strips, means for separating each composite strip into upper and lower strips of rubber and an intermediate strip of backing material, a common means for collecting each of the upper strips of rubber, a different common means for collecting each of the lower strips of rubber, and a separate means for collecting the strips of backing material.

2,154,372
SOLVENT REFINING OF OILS
Ernst A. Bösing, Berlin, Germany, assignor to Edeleanu Gesellschaft m. b. H., a corporation of Germany
No Drawing. Application June 2, 1938, Serial No. 211,431. In Germany and Rumania June 5, 1937
11 Claims. (Cl. 196—13)

1. The method of separating high viscosity index from low viscosity index components of mineral oil which comprises contacting the oil with a selective solvent, which does not react with alkali, in the presence of an aqueous partly hydrolized alkali salt solution in sufficient amount to form three phases, thereby causing the extract phase to be dispersed in a continuous raf-

finate phase, then separating and separately removing raffinate phase, extract phase and alkali salt solution phase.

2,154,373
WINDSHIELD CLEANER
Robert Bulleigh, Greeley, Colo., assignor of one-third to H. E. Watson, Denver, Colo.
Application October 9, 1937, Serial No. 168,247
3 Claims. (Cl. 15—118)



3. A cleaning tool adapted to apply wetting material and then to scrape off the wetted substance, said tool comprising a block having a hand grip extending longitudinally of one side and having on the side opposite the hand grip an upwardly extending wetting member, said tool further being provided in laterally spaced relation to said wetting member with non-metallic scraping means having an acting face in a substantially lower plane than that of the wetting member and so related thereto that either the wetting member or the scraping means or both may be brought to bear on the surface to be cleaned by tipping the cleaner transversely of said hand grip in the hand of the user.

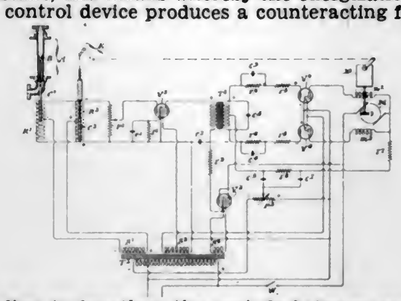
2,154,374
HAZE METER
George M. Byram, Asheville, N. C.; dedicated to the free use of the People in the territory of the United States
Application November 30, 1938, Serial No. 243,198
2 Claims. (Cl. 88—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an instrument for measuring atmospheric haze brightness, an inverted darkened transparent wedge; a partly silvered mirror declined at an angle of substantially 45° behind said wedge, said mirror having a series of non-silvered slits; another mirror disposed above and substantially parallel to said partly silvered mirror, the reflecting surfaces of said mirrors facing each other; and an eyepiece for observing light which may be reflected from and light which may pass through said partly silvered mirror.

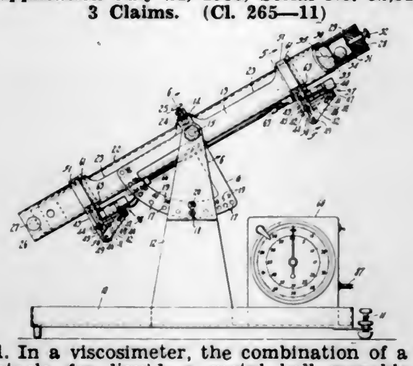
2,154,375
COMPENSATED CONTROL SYSTEM
Carl C. Chambers, Lansdowne, Pa., assignor to Brooke Engineering Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 25, 1936, Serial No. 76,367
12 Claims. (Cl. 172—239)

11. In a system of the character described including a control device, means for the delivery of energizing impulses to said control device, the intensity of such energization being substantially constant, and means whereby the energization of the control device produces a counteracting force



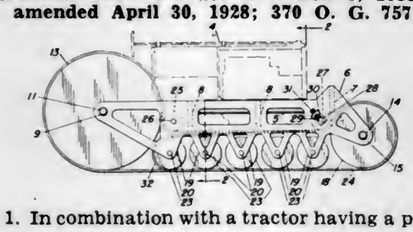
tending to lengthen the periods between groups of energization impulses without substantially altering the intensity of energization of said impulses.

2,154,376
VISCOSIMETER
Delbert C. Cline, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 24, 1936, Serial No. 92,315
3 Claims. (Cl. 265—11)



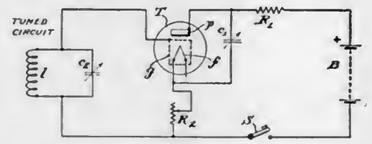
1. In a viscosimeter, the combination of a receptacle for liquid, a metal ball movable by gravity through said liquid, a closure in the upper end of said receptacle, ball supporting means in said closure, means exteriorly of the receptacle for releasing the ball from said closure, means for establishing magnetic fields at two spaced apart regions in the course of said ball, and means for measuring the time required for the ball to move from one magnetic field to the other.

2,154,377
MUD LARK
Harry Thomas Cory, Washington, D. C.
Application July 14, 1938, Serial No. 219,190
3 Claims. (Cl. 180—9.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



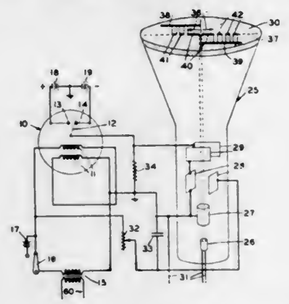
1. In combination with a tractor having a power plant, continuous belting tracks disposed on the opposite sides of the tractor, constituting outer tracks in substitution of the ordinary wheels of the tractor, said tracks being actuatable by the power plant of the tractor, and a continuous central belting track mounted independently of said first-mentioned tracks, and substantially coextensive with the space therebetween.

2,154,378
START-STOP TUBE OSCILLATOR
Keith B. Eller, Metuchen, and Frederick Holborn, Cedar Grove, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 22, 1937, Serial No. 132,382
9 Claims. (Cl. 250—36)



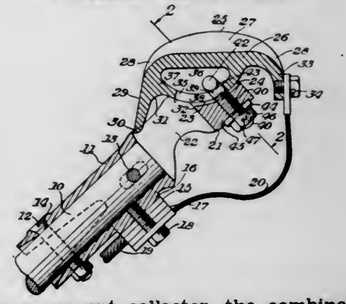
1. An oscillation generating system having an oscillatory circuit and a gaseous arc discharge device provided with anode and cathode elements and a grid or cathode element for starting and stopping the anode-cathode current, said oscillatory circuit forming a part of and being confined to the grid cathode circuit of said discharge device, a current source for supplying energy to the anode-cathode circuit, a resistance element connected in said anode cathode circuit and a condenser connected between said anode and cathode.

2,154,379
METHOD OF AND APPARATUS FOR TESTING RELAYS
Phillip H. Estes, Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 23, 1936, Serial No. 81,530
11 Claims. (Cl. 175—183)



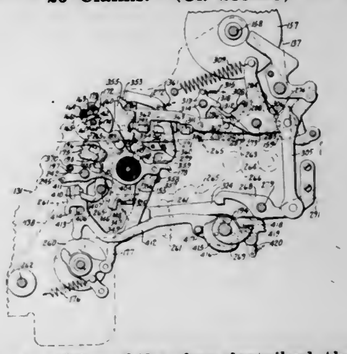
1. The method of testing a movable-armature relay with a cathode ray oscillograph having sweep plates and deflection plates which comprises impressing alternating substantially sinusoidal potentials of the same frequency upon the relay and the sweep plates of the oscillograph respectively, and deflecting the beam of the oscillograph laterally of the sweep movement in accordance with the position of the relay armature and with one of said alternating potentials.

2,154,380
CURRENT COLLECTOR
Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1937, Serial No. 178,507
4 Claims. (Cl. 191—59.1)



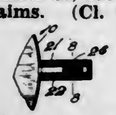
1. In a current collector, the combination of a trolley pole head, an arm extending rearwardly from each side of said pole head forming an opening therebetween, a bearing block connecting the ends of said arms and having a spherical bearing surface substantially aligned with the axis of the pole head, a trolley wire engaging shoe supported to swivel on the bearing surface of said block permitting movement thereof in a plurality of planes, a substantially straight depending nose on said shoe extending into the opening between said arms, a depending tail on said shoe provided with a shunt connected with the pole head and means for maintaining the tip of said nose between said arms for permitting an obstruction to slide over said shoe.

2,154,381
CASH REGISTER
John H. Gruver, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application December 6, 1935, Serial No. 53,128
26 Claims. (Cl. 235—3)



1. In a machine of the class described, the combination of record material feeding mechanism; a manipulative device for preparing the machine for sub-total and grand-total taking operations; and means including a member cooperable with the feeding mechanism and means for shifting the member different extents under control of said device for causing said mechanism to feed the record material a different distance during sub-total taking operations from that during grand-total taking operations.

2,154,382
SPECTACLE TEMPLE MOUNTING
Frank W. Lindblom, Cranston, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application November 26, 1937, Serial No. 176,453
3 Claims. (Cl. 88—53)

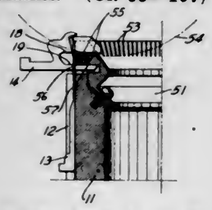


1. In a spectacle, a rim having outwardly extending lugs, cooperating means on the lugs for pivotally mounting a temple between the lugs, said lugs being maintained in spaced relation throughout their length by said temple when the lugs are embraced by a clip in the closed position of said rim, a resilient clip for holding the lugs in desired relation, and means on the clip remote from the rim adapted to co-act with said pivot means on the lugs for maintaining the clip in assembled relation with the lugs.

2,154,383
BARIUM GREASE
Thomas F. Ott, Berkeley, Philip S. Clarke, Richmond, and Claude H. Van Marter, Berkeley, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application March 7, 1936, Serial No. 67,678
27 Claims. (Cl. 87—9)

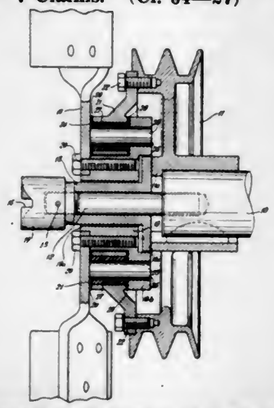
1. A method for the production of barium soap grease comprising heating together fatty materials and barium hydroxide to hydrolyze the fatty materials and substantially dehydrate the same, raising the temperature of the mixture into a range in excess of 300° F. while adding mineral oil having good solvent properties for the soap, maintaining the temperature between a range of about 300° F. and 375° F. over a period of time to reduce the free barium hydroxide content to around one-half of one percent and simultaneously convert a part of the normal barium soap to basic barium soap, the barium hydroxide being employed in an amount necessary to yield in the final product a desired large proportion of basic barium soap in addition to normal barium soap, supplying additional oil to complete the grease, and withdrawing the grease, the total oil used being in substantial quantity sufficient to produce grease consistency.

2,154,384
KNITTING MACHINE
Henry Richter, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Chicago, Ill., a corporation of Illinois
Application July 13, 1938, Serial No. 218,896
9 Claims. (Cl. 66—107)



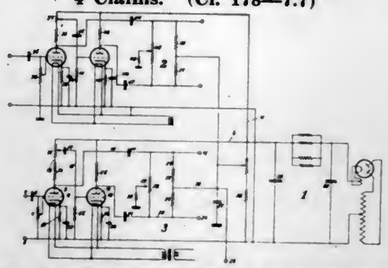
9. In combination, in a knitting machine, a series of knitting implements, means for slidably guiding said series, a second series of knitting implements adapted to cooperate with said first series, means to slidably guide said second series and a member of substantially greater abrasion resistance than said two mentioned means, to provide a bearing surface for both said series of implements.

2,154,385
RESILIENT COUPLING
Ellwood F. Riesing, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 4, 1937, Serial No. 124,079
7 Claims. (Cl. 64—27)



1. In a device of the character described, the combination of a driving element, a driven element in spaced relation thereto, and a resilient coupling providing driving connection between said elements, said coupling comprising a rubber structure that is arranged to absorb radial and torsional vibration by reason of its resistance to compressive load, said rubber structure normally being under compressive load, and a metal structure interposed locally between the confronting faces of the driving and driven elements for restraining said elements against relative axial movement.

2,154,386
DEFLECTING SYSTEM
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany
Application June 24, 1933, Serial No. 677,455
In Germany June 27, 1932
4 Claims. (Cl. 178—7.7)



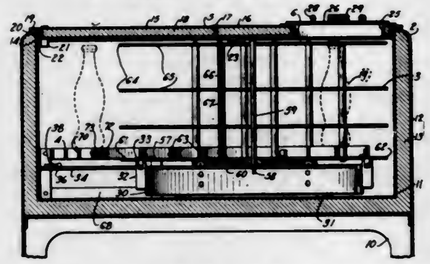
1. In a television receiving arrangement including a Braun tube containing a pair of deflecting plates, two equally high resistances connecting said plates to the anode, a relaxation oscillation generator producing a relaxation voltage, an electronic A-amplifier, the input of said amplifier being coupled with the output of said relaxation oscillation generator, the output of said amplifier being coupled with a pair of deflecting plates of said Braun tube, said amplifier being so constructed as to supply both of said deflecting plates with a scanning deflecting voltage having the same amplitude but reverse phase, and means for biasing the deflecting plates negative with respect to the anode of the cathode ray tube.

2,154,387
ELECTRIC INSULATOR
Harold P. Sleeman, Lisbon, Ohio, assignor to The R. Thomas & Sons Company, Lisbon, Ohio, a corporation of Ohio
Application May 24, 1938, Serial No. 209,812
4 Claims. (Cl. 174—140)



1. An electric insulator comprising a porcelain body having an area coated with a metallic oxide and a silicate glaze over said coated area, said layer and said glaze being affixed to said porcelain body by firing.

2,154,388
VENDING APPARATUS
Garnett Raymond Starnes, Kansas City, and Charles A. Melchert, Drexel, Mo., assignors to Calder Sales Corporation, Kansas City, Mo., a corporation of Missouri
Application October 2, 1937, Serial No. 166,926
4 Claims. (Cl. 312—183)

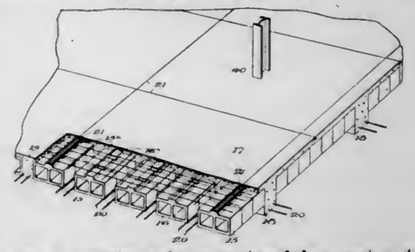


4. In an apparatus of the character described comprising a container, a support rotatably mounted in the container, means engaged with the support alternately rotating and locking the support in response to actuation of said means, an extension on said means extending exteriorly of the container, and interengagable means on the extension and the first-named means allowing interengagement therebetween in operative condition only.

2,154,389
STABILIZATION OF VINYL COMPOUNDS
Sylvia M. Stoesser, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 17, 1937, Serial No. 180,329
6 Claims. (Cl. 23—250)

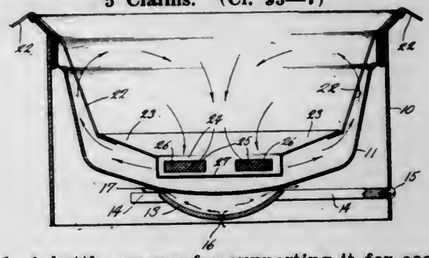
1. A polymerizable unsaturated organic compound selected from the group consisting of vinyl esters and aromatic vinyl compounds stabilized against polymerization with a salicylate of a metal selected from the group consisting of copper and iron.

2,154,390
CONCRETE SLAB CONSTRUCTION
Charles William Akers, Nashville, Tenn.
Application September 30, 1937, Serial No. 166,668
4 Claims. (Cl. 72—66)



1. In a reinforced concrete slab construction, the combination of filler tile embedded in a layer of concrete, said layer of concrete forming the surface of said slab, separator strips disposed transversely of each other and subdividing said slab into a plurality of sections, and temperature elements embedded in and reinforcing the surface layer of concrete of each section, the elements of each section being entirely disconnected from those of the remaining sections.

2,154,391
COOKING APPARATUS
Carl J. Anderson, Chicago, Ill., assignor to Joseph B. Zimmer, Chicago, Ill.
Application August 25, 1936, Serial No. 97,806
5 Claims. (Cl. 53—7)

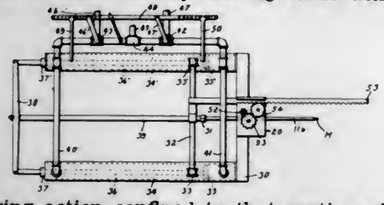


1. A kettle, means for supporting it for cooking purposes over and out of contact with a heater, an air chamber having one of its walls consisting of a central portion of the bottom of the kettle and its other surface supported between the kettle and the heater and free from contact with either, and means operated by the heater for causing relatively cold air to flow through the air chamber.

2,154,392
METHOD OF MAKING TAPERED TUBES
George E. Barnhart, Pasadena, Calif.
Application December 6, 1937, Serial No. 178,417
7 Claims. (Cl. 205—8)

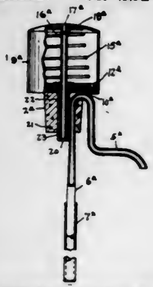
1. The method of forming a tapered tube having a periphery which is defined by arcuate portions with a channel between the arcuate portions which includes advancing a tapered unchannelled tube through a contractable die opening having a tube deforming portion, and contracting said die opening in accordance as the tube passes therethrough, said tube deforming por-

tion being of a size and shape to produce a deformation in the tube by drawing action with the



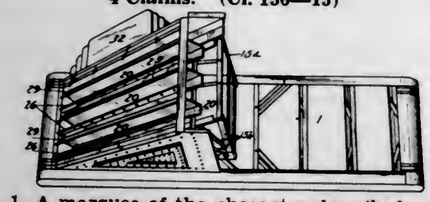
drawing action confined to that portion of the tube which is being deformed.

2,154,393
DISPENSING APPARATUS FOR BEVERAGES
Lawrence G. Bates, Cleveland, Ohio, assignor to Continental Say When Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 3, 1935, Serial No. 29,671
8 Claims. (Cl. 221—77)



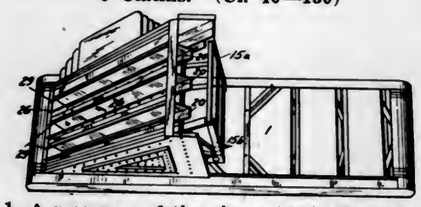
1. Dispensing apparatus for applying to a container for beverages, etc., which comprises a closure adapted to seal the outlet of a container for liquids, a piston on said closure, a pumping cylinder slidably mounted on said piston, an air conduit communicating with the interior of the cylinder and extending through the piston and closure, said air conduit being reciprocable in said closure, a valve at the lower part of said conduit for controlling communication with the container, and a dispensing conduit extending through the closure and adapted to communicate from liquid in the container to a discharge spout outside and preventing contact of the liquid with the inner surface of said hollow reciprocable element.

2,154,394
PREFABRICATED MARQUEE
Morton L. Clark, Lima, Ohio, assignor to The Artkraft Sign Company, Lima, Ohio, a corporation of Ohio
Application November 20, 1936, Serial No. 111,807
4 Claims. (Cl. 156—15)



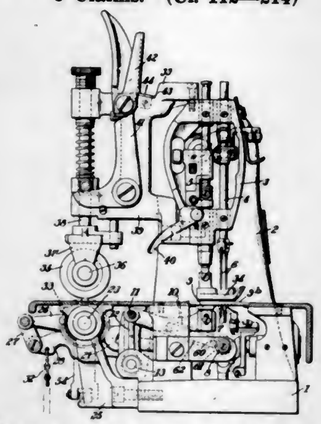
1. A marquee of the character described comprising, in combination, four main elements, as follows: a flat framework to be secured against a building wall, said framework having closed top, bottom, and end portions; a pair of triangular sections, each having a closed roof, ceiling and front, and each secured by one face to the exposed face of the flat framework and by another face to the other triangular section; and the fourth section constituting a cover for the exposed vertical face of the two triangular sections bordering the line of junction thereof.

2,154,395
PREFABRICATED MARQUEE
Morton L. Clark, Lima, Ohio, assignor to The Artkraft Sign Company, Lima, Ohio, a corporation of Ohio
Original application November 20, 1936, Serial No. 111,807. Divided and this application July 26, 1937, Serial No. 155,755
6 Claims. (Cl. 40—130)



1. A marquee of the character indicated comprising a base framework for attachment to a building, a pair of triangular supporting frameworks for attachment to the base framework and to each other to form an approximately triangular skeleton having its exposed character-bearing faces at a substantial angle to the building wall and to each other, and character supporting means adjacent said exposed faces to support sign characters in approximate parallelism with the exposed faces of said supporting frameworks.

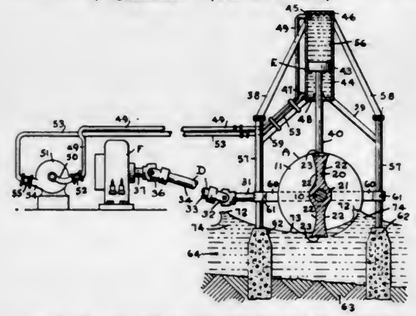
2,154,396
FEEDING MECHANISM FOR SEWING MACHINES
Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 24, 1937, Serial No. 176,190
9 Claims. (Cl. 112—214)



3. Feeding mechanism for sewing machines comprising a feed-dog, a feed-bar carrying said feed-dog, a feed-rocker to which said feed-bar is pivotally connected, a slotted crank-arm connected to said feed-rocker, an eccentric-driven

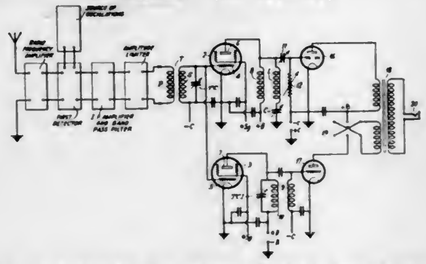
pitman connected to said slotted crank-arm, a puller feed-roll, a feed-roll-actuating clutch having a slotted crank-arm to actuate it, an eccentric driven pitman connected to the slotted crank-arm of said puller feed-clutch, and adjusting means interconnecting said pitmen to adjust them simultaneously along the slots of the respective crank-arms to which they are connected.

2,154,397
WAVE MOTOR
Charles E. Cook, Atlanta, Ga., assignor of two-fifths to Herman Walter Cook, Sr., Coral Gables, Fla., and two-fifths to Sarah Bernice Cook Wall, Atlanta, Ga.
Application July 19, 1937, Serial No. 154,505
7 Claims. (Cl. 253—14)



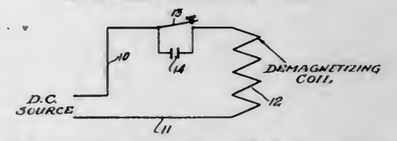
1. In a water wave motor adapted to be positioned in water off shore, broadside of said shore, a shaft, a pair of spaced apart screw impellers pitched in a given direction and fixedly carried by said shaft, a separate bevel gear for each impeller, fixedly carried by said shaft, being spaced apart and facing each other, a thrust bearing at each end of said shaft, said thrust bearings being spaced from said shaft ends whereby said shaft may shift longitudinally, and motion transmitting means, including a pinion adapted to mesh with either of said bevel gears upon longitudinal shifting of said shaft.

2,154,398
FREQUENCY MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 9, 1936, Serial No. 114,894
16 Claims. (Cl. 250—20)



1. In a system for receiving and demodulating wave energy modulated in frequency or phase in accordance with signals and for compensating noise modulation and unwanted amplitude modulation of said wave energy, circuit means on which said wave energy may be impressed, a pair of electron discharge detector tubes each having a control grid, a cathode and an anode, a filter circuit of sloping characteristic coupling said circuit means to the control grid and cathode of one of said tubes for exciting the same by potentials characteristic of the desired frequency or phase modulations on said wave energy, and the undesired amplitude modulations on said wave energy, said filter circuit being tuned to have a maximum output at one side of the wave channel, a minimum output at the other side of the wave channel and a mean output at the medial frequency of the wave channel, a circuit having an aperiodic or flat-topped characteristic coupling said first named circuit to the control grid and cathode of the other of said detector tubes for exciting the same by potentials characteristic of the unwanted amplitude modulations only on said wave energy, and a utilization circuit connected to the anodes of said tubes whereby the energies characteristic of the noise and unwanted amplitude modulations supplied by said tubes to the utilization circuit oppose in said utilization circuit and cancel.

2,154,399
DEMAGNETIZATION
Charles W. Davis, Pittsburgh, Pa., assignor to Chicago Development Company, Chicago, Ill.
Application March 11, 1935, Serial No. 10,513
12 Claims. (Cl. 175—181)



1. The method of demagnetizing ferro-magnetic material which consists in subjecting said material to a magnetic field generated in a solenoid by a damped high frequency oscillatory discharge.

2,154,400
STABLE CASEIN SOLUTION
Carl Iddings, Staten Island, N. Y., assignor to The Muralo Company, Inc., a corporation of New York
No Drawing. Application December 8, 1933, Serial No. 701,573
21 Claims. (Cl. 134—12)

1. A casein solution characterized by its stability and uniform viscosity over long periods of time, having a pH value from 8.0 to 9.0.

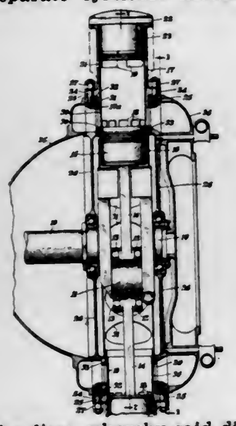
2,154,401
WATER PASTE PAINT
Carl Iddings, Staten Island, N. Y., assignor to The Muralo Company, Inc., a corporation of New York
No Drawing. Application December 15, 1933, Serial No. 702,609
17 Claims. (Cl. 134—46)

1. A water paste paint characterized by its stability and substantially undiminished viscosity over long periods of time, comprising an aqueous dispersion of casein which remains stable for pH values within the range of 5.7 and 10.5 and produced at temperatures ranging from 170–210° F., and a pigment.

2,154,402
RADIAL ENGINE STRUCTURE
Benjamin Kahn, New York, N. Y., assignor to Kinetic Cycle Research Corporation, New York, N. Y., a corporation of New York
Application January 15, 1935, Serial No. 1,841
29 Claims. (Cl. 121—194)

1. An internal combustion engine crankcase

structure including, spaced crankshaft bearing discs, and separate cylinders mounted on and



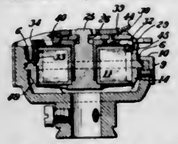
secured to the discs, whereby said discs are held in spaced relation by said cylinders.

2,154,403

ROTARY HOOK SEWING MACHINE THREAD CASE

John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application April 14, 1938, Serial No. 201,893
7 Claims. (Cl. 112—231)



3. The combination with a cup-shaped rotary hook-body having a circular thread-case bearing and cut away at one side to form a loop-taking beak, of a cylindrical cup-shaped thread-case body having at its rim an outwardly extending needle-loop guard-flange, said thread-case body having an inner end wall, a cylindrical inner side wall and an axial post supported by said inner end wall, said thread-case body also having a peripheral bearing between said guard-flange and the inner end-face of such body, which bearing is complemental to the bearing in said hook-body, the rim of said thread-case being cut away at one side as far as said peripheral bearing, a thread-case-cap removably closing the outer end of said thread-case and having a tubular arbor slidably fitting said post, a releasable latch carried by said cap and engaging said post, said cap having a segmental cylindrical skirt portion at one side bridging the cut-away portion of the rim of the thread-case body, and a tension leaf-spring mounted on the skirt portion of said cap, the internal radius of curvature of said cap-skirt portion being as large as that of the cylindrical thread-case to house a bobbin-thread mass of maximum size commensurate with a given diameter of hook-raceway bearing.

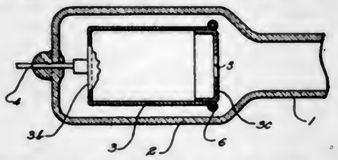
2,154,404

ELECTRODE FOR IONIC DISCHARGE DEVICES

Thomas J. Killian, Seattle, Wash.

Application July 31, 1936, Serial No. 93,568
5 Claims. (Cl. 176—126)

1. An internal electrode for a low pressure ionic discharge device comprising a hollow body of electrically conductive material of a length not less than about 2 inches and a diameter of not



less than about 1 inch, closed at one end and having in the other end an opening about $\frac{1}{16}$ of an inch in diameter.

2,154,405

STABLE ICE COLOR PRODUCING COMPOSITIONS

Hans Z. Lecher, Plainfield, and Robert P. Parker, Somerville, N. J., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware

No Drawing. Application September 1, 1938, Serial No. 227,962
9 Claims. (Cl. 8—45)

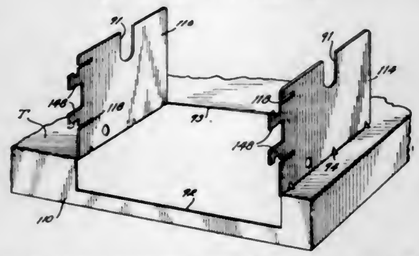
1. A color producing composition of matter which comprises an ice color coupling component and a reaction product of an ice color diazo component with a compound included in the group consisting of guanyl urea, guanyl urea-N-sulfonic acid, guanyl urea-N-sulfonic acid alkali metal and ammonium salts, N-nitro guanyl urea, N-nitro guanyl urea alkali metal salts, and their derivatives substituted by alkyl, aralkyl, aryl of the benzene and naphthalene series, and cycloalkyl groups.

2,154,406

SUPPORTING STRUCTURE FOR RADIO INDICATING AND CONTROL APPARATUS

Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois

Application November 30, 1937, Serial No. 177,287
10 Claims. (Cl. 250—16)



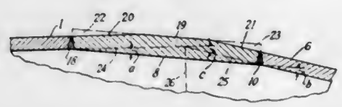
7. A radio receiver, including in combination frame means for supporting thereon tuning control and indicating apparatus for said radio receiver, said frame means including a pair of end frame portions, a plurality of horizontal supporting and spacing bars extending between said end frame portions in rigid connection therewith, each of said end frame portions having a pair of supporting ears extending forwardly therefrom, and a stamped-out dial frame with laterally extending flanges, said flanges having integral portions for locking engagement with said end frame portion at said ears for supporting said dial panel on both of said end frame portions in a position to carry indicating apparatus thereon for operative connection with the tuning control apparatus on said frame.

2,154,407

JOINTED CONDUIT

Benjamin H. Miller, Wadsworth, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application February 4, 1937, Serial No. 123,988
5 Claims. (Cl. 285—111)



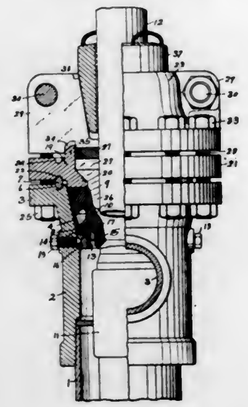
1. A conduit reducer section for connecting conduits of different diameters and having conically formed internal surface portions of different angularity with respect to their common axis and connected to provide a progressively decreasing internal cross sectional area from end to end, at least one of said conically formed portions having a locally thickened wall portion for an intermediate length thereof.

2,154,408

COMBINATION TUBING HEAD AND BLOW-OUT PREVENTER

Arthur J. Penick and Kirby T. Penick, Houston, Tex.

Application June 4, 1935, Serial No. 24,838
Renewed June 1, 1937
7 Claims. (Cl. 166—14)



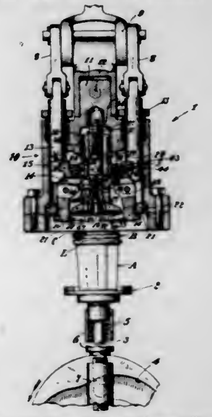
1. A blowout preventer comprising a casing head adapted to be secured to the top of a casing in a well and having an inside seat through which an inner tubing may pass and an annular external flange at its upper end, a pressure head shaped to fit said seat and having an annular groove around its lower end forming an inside annular lip adapted to fit closely around the tubing and an outside annular lip adapted to fit said seat, said pressure head being formed of resilient material, a cage of rigid material moulded into the material of the pressure head at the upper end thereof, a retainer ring on the casing head and whose lower end is shaped to seat on the upper end of the pressure head to maintain the pressure head in place a flange on the ring overlying the casing head flange and bolts securing the flanges together.

2,154,409

SEALING DEVICE AND METHOD OF SEALING

Abraham Podel, New York, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York

Application February 17, 1938, Serial No. 190,982
16 Claims. (Cl. 226—86)



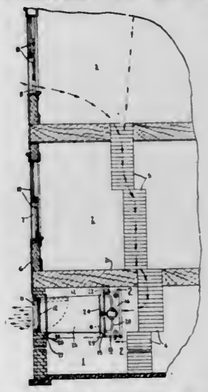
1. In a device of the class described, the combination of an anvil, a plurality of jaws operatively connected to said anvil, means for moving said jaws and anvil as a unit during a part of the sealing operation, and means for stopping movement of said anvil while said moving means continues to move said jaws.

2,154,410

VENTILATING APPARATUS

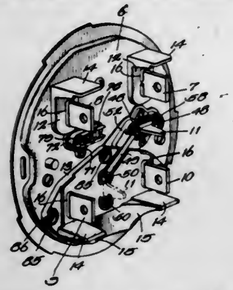
Gilbert C. Polk, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware

Application April 23, 1936, Serial No. 75,930
4 Claims. (Cl. 98—43)



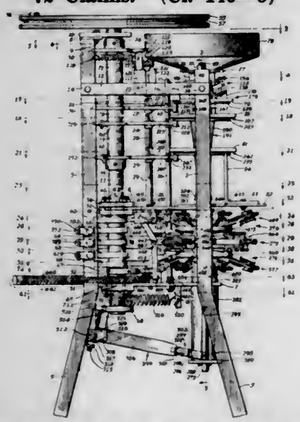
2. In a ventilating and cooling system for a building having a window, a fan disposed within the building and arranged to discharge air through the window opening to outside atmosphere, said fan being spaced from the window so as to give access to the window to open and close the same, and a conduit having one end overlying the outlet side of said fan and having its other end overlying the window opening, said conduit having a closable opening therein through which access may be had to the window.

2,154,411
INTERCHANGEABLE METER BASE
Richard A. Road and Stanley S. Green, La Fayette, Ind., assignors to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois
Application September 1, 1937, Serial No. 161,893
12 Claims. (Cl. 175—222)



1. The combination of a socket having a jack with jaws shaped to form a V-shaped mouth, and a meter assembly adapted to plug into the socket by means of a blade adapted to plug into the jack, including an insulating member through which the blade passes, and means for transmitting the plug-in thrust from the insulating member to the blade comprising a wire wrapped snugly around the blade extending from one side through a notch in both edges thereof bearing on the insulating member on each side of both notches and shaped to be capable of fitting into the V-shaped mouth of the jack.

2,154,412
METHOD AND MACHINE FOR SHELLING NUTS
Felix B. Romberg and Louis D. Romberg, Austin, Tex.
Application January 18, 1936, Serial No. 59,766
72 Claims. (Cl. 146—8)

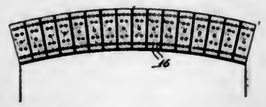


1. The method of shelling a nut, comprising severing the opposite ends of the shell and thereafter pushing the intermediate shell portion radially inward simultaneously at a series of at least three circumferentially spaced areas along longitudinal lines defining arcuate shell sections between them, for a distance producing sufficient shell distortion to crank the intermediate shell portion inwardly at these areas and to bulge and crack it outwardly between these areas.

2,154,413
NEUTRALIZATION OF ACIDS EXUDING FROM SILICIOUS CEMENTS
Joseph H. Schlesinger, New York, N. Y., assignor to Eagle Chemical Company, New York, N. Y.
No Drawing. Application November 11, 1935, Serial No. 49,182
2 Claims. (Cl. 32—15)

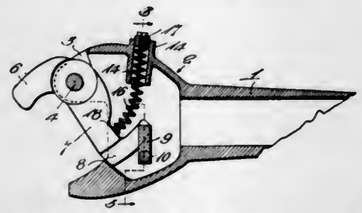
1. In the process of filling dental cavities with silicious cement containing a mineral acid, the steps consisting of alkalizing the interior surface of the cavity with an absorbable liquid alkali, prior to filling to prevent injury to live pulp, filling the cavity with the cement and neutralizing the entered filling by an exterior application of alkaline media.

2,154,414
FURNACE CONSTRUCTION
Thomas Teeters, Snyder, N. Y.
Application March 5, 1938, Serial No. 194,110
5 Claims. (Cl. 263—46)



1. In a furnace, the improvements which comprise a lining for those parts thereof out of direct contact with the charge therein comprising refractory bricks provided with internal noncommunicating openings near that end of the bricks presented to the interior of the furnace.

2,154,415
AUTOMATIC DRAWBAR AND CAR COUPLER
Lloyd Price, Van Wert, Ohio, and Leroy Price, Muncie, Ind.
Application August 17, 1937, Serial No. 159,584
1 Claim. (Cl. 213—116)



A coupler comprising a shank, a head formed integral on the shank, a spring housing formed in one piece in the head and having a lower portion extending within said head, the rear wall of said lower portion and the under wall of the head constituting the walls of a chamber, said head having a nose formed on one end thereof, a knuckle having a rear arm pivotally arranged on the head and actuable in one direction by means of a draw bar, a spring confined within the spring housing, a stud mounted on the rear arm of the knuckle and adapted to engage the spring to bias the knuckle to an open position, an integral extension formed on the rear arm of the knuckle and so constructed and arranged that it is normally confined within said chamber when the knuckle is in the locking position whereby casual displacement or breakage of the pin by which the knuckle is hinged on the head will prevent the extension from being unseated within its confined space, substantially as and for the purpose specified.

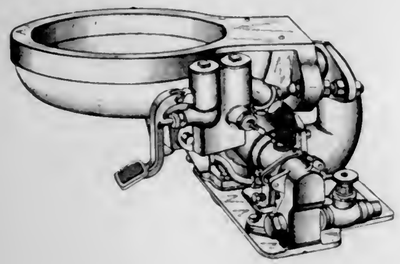
2,154,416
NONDETONATING BLASTING EXPLOSIVE
Alexander Thomson Tyre, Ardrossan, Ayrshire, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 4, 1937, Serial No. 157,282. In Great Britain August 10, 1936
5 Claims. (Cl. 52—14)

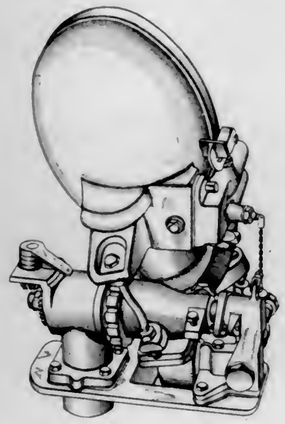
1. A non-detonating blasting explosive comprising a compound selected from the group consisting of the ammonium and alkali metal hypophosphites, and a salt mixture containing an ammonium salt selected from the group consisting of ammonium sulphate, carbonate, bicarbonate, and chloride and a second salt taken from the group consisting of the alkali and alkaline earth nitrates, said salt mixture being adapted to form by metathesis a mixture of ammonium nitrate and a cooling salt selected from the group consisting of the sulphates, carbonates, bicarbonates, and chlorides of the alkali or alkaline earth metals.

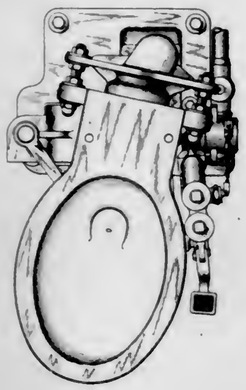
DESIGNS

APRIL 11, 1939

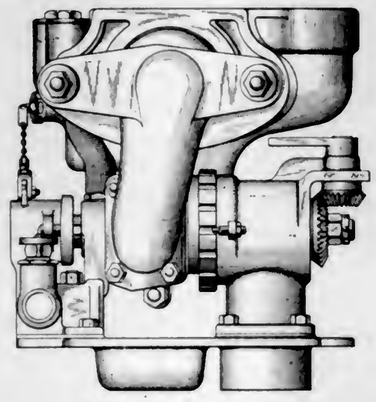
114,166
DESIGN FOR A FOLDING TYPE CLOSET BOWL AND MOUNTING THEREFOR
Leif Andersen and Edward A. Fredrickson, Chicago, and Thomas P. Newman, Geneva, Ill., and Hugh R. Van Sciver, Trenton, N. J., and Roy H. Zinkil, Oak Park, Ill.
Application June 18, 1938, Serial No. 77,920
Term of patent 14 years

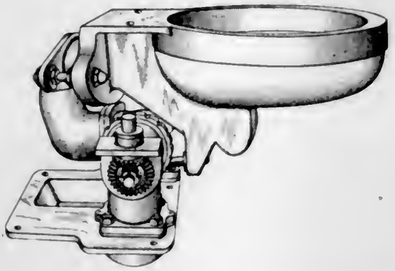






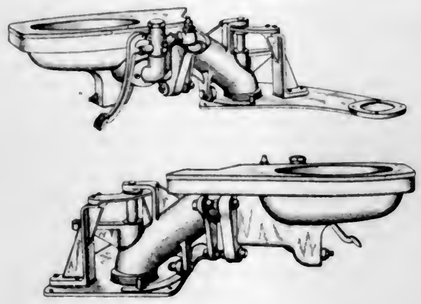
114,166—Continued



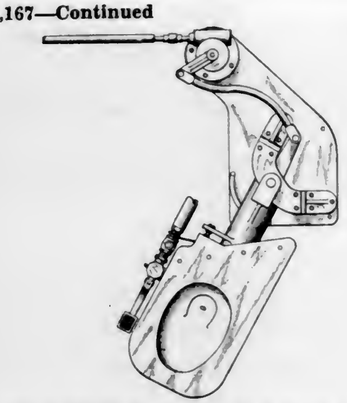


The ornamental design for a folding type closet bowl and mounting therefor, substantially as shown and described.

114,167
DESIGN FOR A SWIVEL TYPE CLOSET BOWL AND MOUNTING THEREFOR
Leif Andersen and Edward A. Fredrickson, Chicago, Ill., and Hugh R. Van Sciver, Trenton, N. J., and Roy H. Zinkil, Oak Park, Ill.
Application June 18, 1938, Serial No. 77,922
Term of patent 14 years

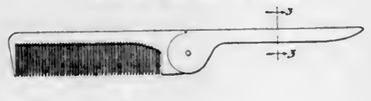


114,167—Continued



The ornamental design for a swivel closet bowl and mounting therefor, substantially as shown.

114,168
DESIGN FOR A FOLDING CURLER COMB
Eleanor S. Berliner, Westchester County, N. Y., assignor to Injection Moulding Corp., New York, N. Y., a corporation of New York
Application August 17, 1938, Serial No. 79,410
Term of patent 7 years





The ornamental design for a folding curler comb, as shown and described.

114,169
DESIGN FOR A LAMP SOCKET
Clarence Birdseye and Harold Douglas Wilson, Gloucester, and Walter N. Heath, Rockport, Mass., assignors to Birdseye Electric Corporation, Dover, Del., a corporation of Delaware
Application January 24, 1938, Serial No. 74,504
Term of patent 14 years



The ornamental design for a lamp socket, substantially as shown and described.

114,170
DESIGN FOR A DISPLAY STAND
Alfred O. Bowen and Fleety E. Taylor, East Gadsden, Ala.
Application August 16, 1938, Serial No. 79,383
Term of patent 14 years





The ornamental design for a display stand, as shown.

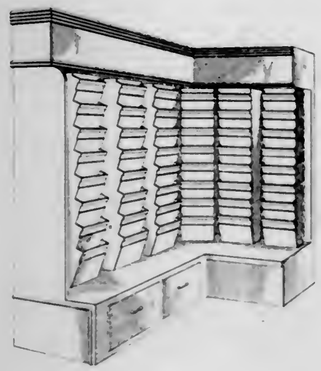
114,171
DESIGN FOR A DISPLAY STAND
Alfred O. Bowen and Fleety E. Taylor, East Gadsden, Ala.
Application August 16, 1938, Serial No. 79,384
Term of patent 14 years





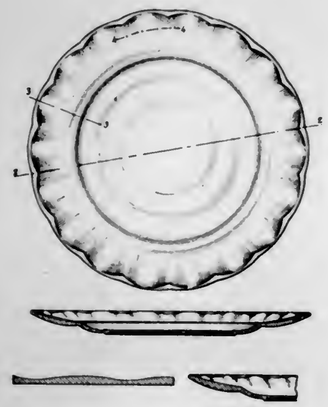
The ornamental design for a display stand, as shown.

114,172
DESIGN FOR A WALL CASE FOR PHONOGRAPH RECORDS
Walter F. Brotzman and Benjamin Harry Statter, Baltimore, Md., assignors to Display Center, Baltimore, Md.
Application January 24, 1939, Serial No. 82,564
Term of patent 14 years



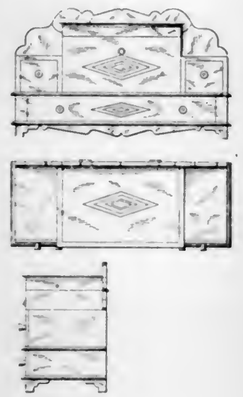
The ornamental design for a wall case for phonograph records, as shown.

114,173
DESIGN FOR A PLATE OR THE LIKE
Louis Cruveilher, New York, N. Y., assignor to Gunthel & Cruveilher, New York, N. Y., a copartnership
Application December 16, 1938, Serial No. 81,811
Term of patent 7 years



The ornamental design for a plate or the like, as shown and described.

114,174
DESIGN FOR A VANITY CHEST OR ANALOGOUS ARTICLE
Hiram Felder, Roselle, N. J.
Application October 7, 1938, Serial No. 80,309
Term of patent 3½ years



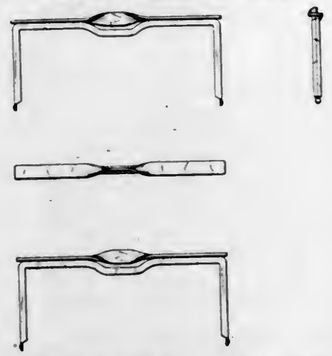
The ornamental design for a vanity chest or analogous article, as shown.

114,175
DESIGN FOR A PLATE OR SIMILAR ARTICLE
William J. Frey, Grafton, W. Va.
Application January 28, 1939, Serial No. 82,649
Term of patent 3½ years



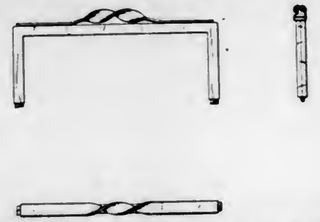
The ornamental design for a plate or similar article, as shown and described.

114,176
DESIGN FOR A HANDBAG FRAME
Jack Green, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application January 3, 1939, Serial No. 82,115
Term of patent 3½ years



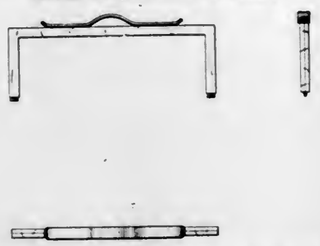
The ornamental design for a handbag frame, substantially as shown and described.

114,177
DESIGN FOR A HANDBAG FRAME
Jack Green, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application January 3, 1939, Serial No. 82,116
Term of patent 3½ years



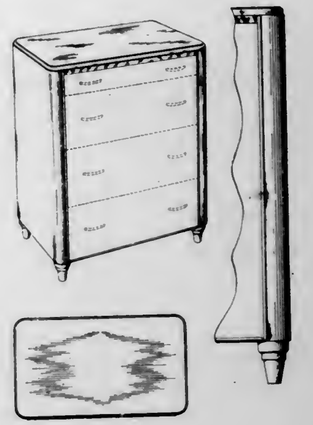
The ornamental design for a handbag frame, substantially as shown and described.

114,178
DESIGN FOR A HANDBAG FRAME
Jack Green, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application January 3, 1939, Serial No. 82,117
Term of patent 3½ years



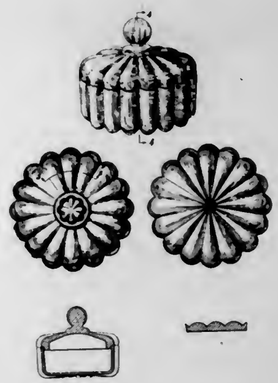
The ornamental design for a handbag frame, substantially as shown and described.

114,179
DESIGN FOR A CHEST OR SIMILAR ARTICLE
Martin Hanson, Chicago, Ill.
Application June 1, 1938, Serial No. 77,478
Term of patent 3½ years



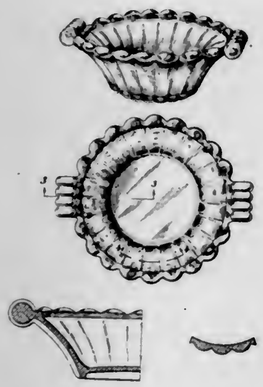
The ornamental design for a chest or similar article, as shown and described.

114,180
DESIGN FOR A COMBINED GLASS POWDER AND POWDER PUFF CONTAINER OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application February 8, 1939, Serial No. 82,871
Term of patent 14 years



The ornamental design for a combined glass powder and powder puff container or article of similar nature, substantially as shown.

114,181
DESIGN FOR A GLASS JELLY DISH OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application February 8, 1939, Serial No. 82,872
Term of patent 14 years



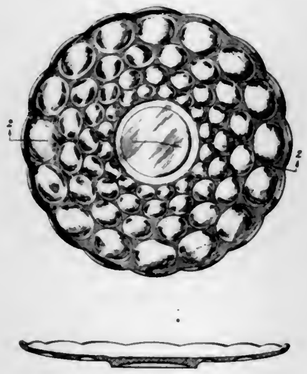
The ornamental design for a glass jelly dish or article of similar nature, substantially as shown.

114,182
DESIGN FOR A GLASS FLORAL BOWL OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application February 11, 1939, Serial No. 82,926
Term of patent 14 years



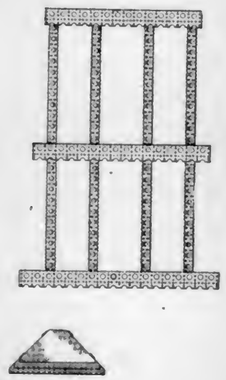
The ornamental design for a glass floral bowl or article of similar nature, substantially as shown.

114,183
DESIGN FOR A GLASS TORTE PLATE OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application February 16, 1939, Serial No. 83,027
Term of patent 14 years



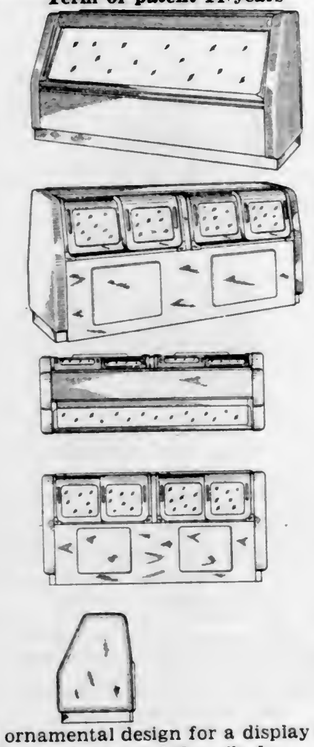
The ornamental design for a glass torte plate or article of similar nature, substantially as shown.

114,184
DESIGN FOR A WHATNOT
Ota O. Hobson, Chariton, Iowa
Application July 18, 1938, Serial No. 78,572
Term of patent 7 years



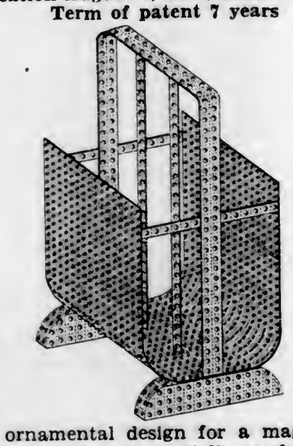
The ornamental design for a whatnot, substantially as shown and described.

114,185
DESIGN FOR A DISPLAY CASE
Cyrus F. Hoffman, Trenton, N. J., assignor to C. V. Hill & Company, Incorporated, Trenton, N. J., a corporation of New Jersey
Application August 6, 1938, Serial No. 79,165
Term of patent 14 years



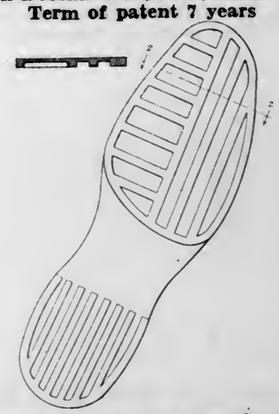
The ornamental design for a display case, substantially as shown and described.

114,186
DESIGN FOR A MAGAZINE RACK OR SIMILAR ARTICLE
Ota O. Hobson, Chariton, Iowa
Application August 8, 1938, Serial No. 79,195
Term of patent 7 years



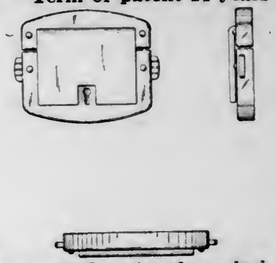
The ornamental design for a magazine rack or similar article, substantially as shown.

114,187
DESIGN FOR A SHOE SOLE
Howard Leigh, Chicago, Ill.
Application December 22, 1938, Serial No. 81,946
Term of patent 7 years



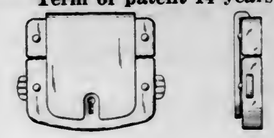
The ornamental design for a shoe sole, substantially as shown.

114,188
DESIGN FOR A LOCK FOR LUGGAGE CASES OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application December 6, 1938, Serial No. 81,599
Term of patent 14 years



The ornamental design for a lock for luggage cases or the like, as shown.

114,189
DESIGN FOR A LOCK FOR LUGGAGE CASES OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application December 6, 1938, Serial No. 81,600
Term of patent 14 years



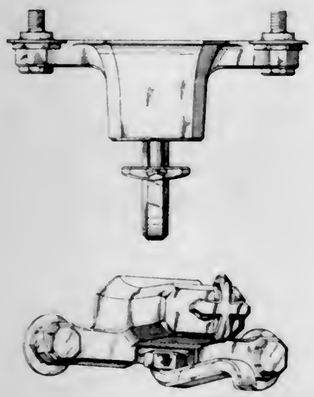
The ornamental design for a lock for luggage cases or the like, as shown.

114,199
DESIGN FOR A DISPLAY ARTICLE HOLDER
Frederick W. Rettenmeyer, Meriden, Conn., assignor to The Napier Company, Meriden, Conn., a corporation of Connecticut
Application December 29, 1938, Serial No. 82,046
Term of patent 7 years



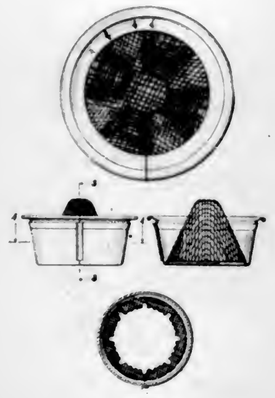
The ornamental design for a display article holder, substantially as shown.

114,200
DESIGN FOR A FAUCET
Vincent Joseph Sedlon and Edward W. Pierie, Cleveland, Ohio
Application February 14, 1939, Serial No. 82,985
Term of patent 7 years



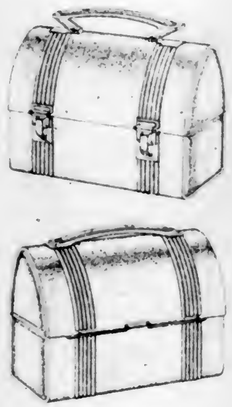
The ornamental design for a faucet, as shown.

114,201
DESIGN FOR A COMBINATION REAMER, JUICE STRAINER, AND EXTRACTOR
Rudolph Richard Spira, New York, N. Y.
Application July 12, 1938, Serial No. 78,423
Term of patent 3½ years



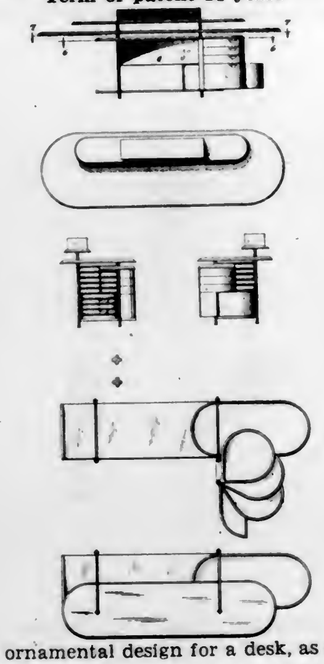
The ornamental design for a combination reamer, juice strainer, and extractor, as shown.

114,202
DESIGN FOR A LUNCH BOX OR SIMILAR ARTICLE
Everett Worthington, Scarsdale, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 14, 1938, Serial No. 78,483
Term of patent 14 years



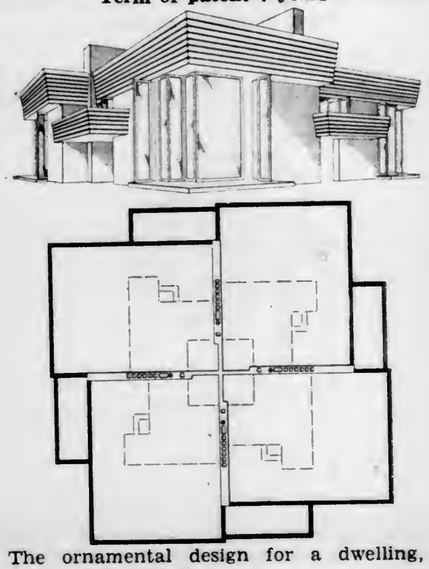
The ornamental design for a lunch box or similar article, as shown and described.

114,203
DESIGN FOR A DESK
Frank Lloyd Wright, Spring Green, Wis.
Application December 20, 1937, Serial No. 73,738
Term of patent 14 years



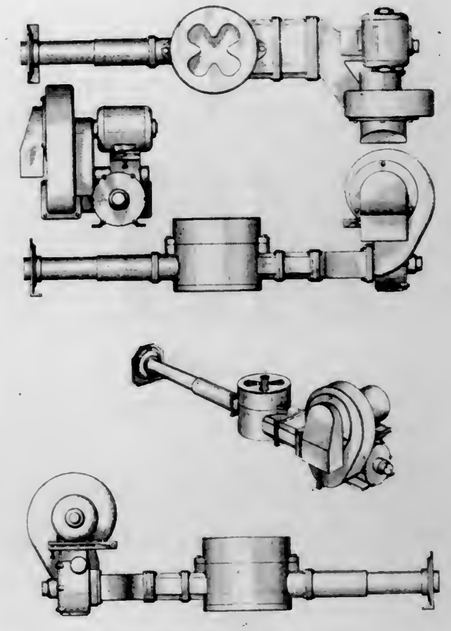
The ornamental design for a desk, as shown.

114,204
DESIGN FOR A DWELLING
Frank Lloyd Wright, Taliesin, Wis.
Application October 12, 1938, Serial No. 80,415
Term of patent 7 years



The ornamental design for a dwelling, as shown and described.

114,205
DESIGN FOR A STOKER
Floyd D. Yarick, Detroit, Mich.
Application December 23, 1938, Serial No. 81,970
Term of patent 14 years



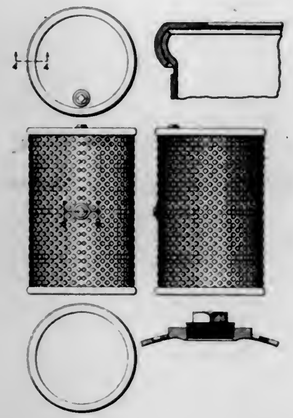
The ornamental design for a stoker, as shown.

114,206
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Joseph B. Chorbajian, New York, N. Y.
Application March 3, 1939, Serial No. 83,304
Term of patent 3½ years



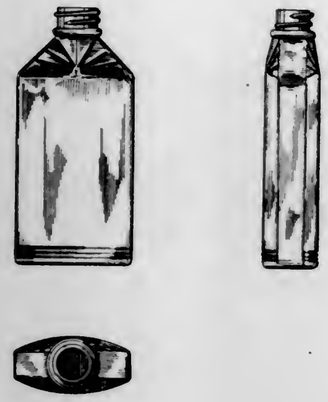
The ornamental design for a bracelet or similar article, substantially as shown.

114,207
DESIGN FOR A METAL BARREL
Ross T. Corey, Richmond, Calif.
Application June 24, 1938, Serial No. 78,039
Term of patent 14 years



The ornamental design for a metal barrel, substantially as shown.

114,208
DESIGN FOR A BOTTLE
John L. Dunnock, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md.
Application February 2, 1939, Serial No. 82,732
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

114,209
DESIGN FOR A COMBINED BOTTLE STOPPER AND LIQUID POURER
Chester F. Eklund, New York, N. Y., assignor to Daniel M. Fox, New York, N. Y.
Application July 7, 1938, Serial No. 78,328
Term of patent 14 years



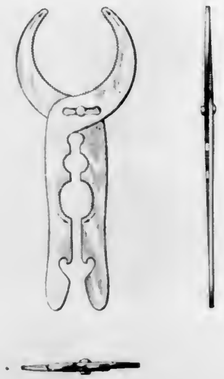
The ornamental design for a combined bottle stopper and liquid pourer, substantially as shown and described.

114,210
DESIGN FOR A COMBINED KEYHOLE LIGHTER AND KEY RING
Irving Florman, New York, N. Y.
Application August 3, 1938, Serial No. 79,078
Term of patent 14 years



The ornamental design for a combined keyhole lighter and key ring, substantially as shown and described.

114,211
DESIGN FOR A SCREW CAP REMOVING IMPLEMENT
Harry Francke, Kansas City, Mo.
Application January 30, 1939, Serial No. 82,661
Term of patent 7 years



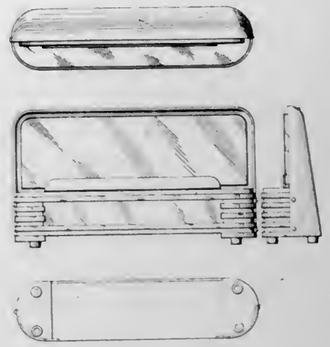
The ornamental design for a screw cap removing implement, as shown.

114,212
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Harold Graeter, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application December 8, 1938, Serial No. 81,638
Term of patent 3½ years



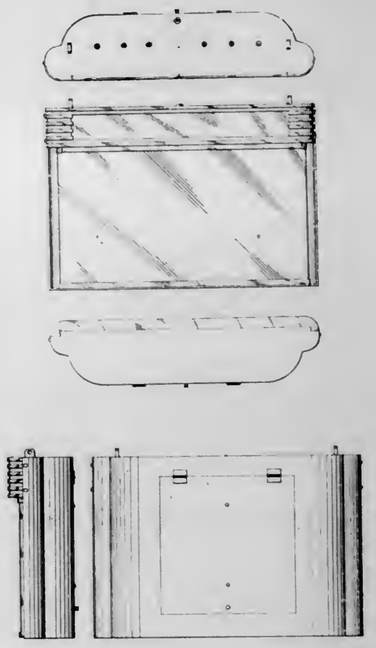
The ornamental design for a brooch or similar article of jewelry, as shown.

114,213
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill.
Application December 5, 1938, Serial No. 81,575
Term of patent 3½ years



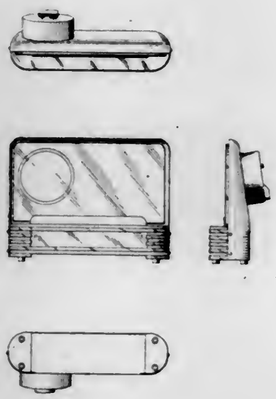
The ornamental design for a sign, substantially as shown.

114,214
DESIGN FOR A BRACKET SIGN
Hyman C. Hammer, Chicago, Ill.
Application December 5, 1938, Serial No. 81,576
Term of patent 3½ years



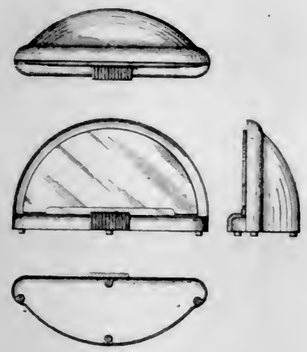
The ornamental design for a bracket sign, substantially as shown.

114,215
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill.
Application December 5, 1938, Serial No. 81,577
Term of patent 3½ years



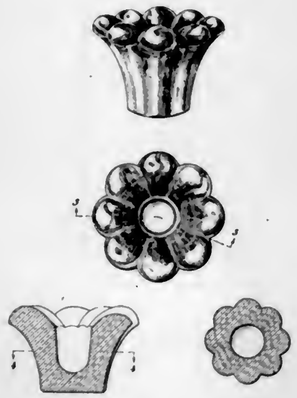
The ornamental design for a sign, substantially as shown.

114,216
DESIGN FOR A SIGN
Hyman C. Hammer, Chicago, Ill.
Application December 17, 1938, Serial No. 81,849
Term of patent 3½ years



The ornamental design for a sign, substantially as shown.

114,217
DESIGN FOR A GLASS CANDLEBLOCK OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application March 6, 1939, Serial No. 83,364
Term of patent 14 years



The ornamental design for a glass candleblock or article of similar nature, substantially as shown.

114,218
DESIGN FOR A CLIP PIN
Jules Hirsch, New York, N. Y.
Application March 9, 1939, Serial No. 83,448
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,219
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 8, 1939, Serial No. 83,420
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,220
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 8, 1939, Serial No. 83,421
Term of patent 3½ years



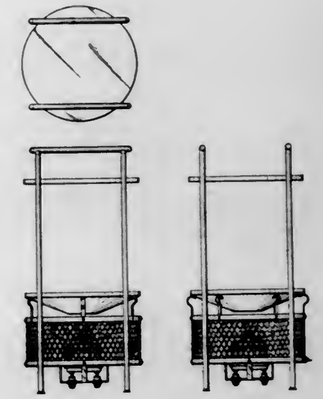
The ornamental design for a clip pin, substantially as shown.

114,221
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 8, 1939, Serial No. 83,424
Term of patent 3½ years



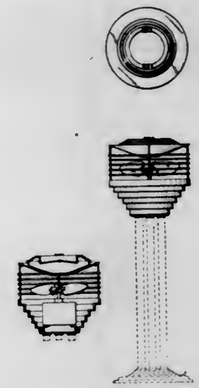
The ornamental design for a clip pin, substantially as shown.

114,222
DESIGN FOR A COMBINATION FAN AND TABLE
William L. Kisling, St. Louis, Mo.
Application November 17, 1938, Serial No. 81,162
Term of patent 7 years



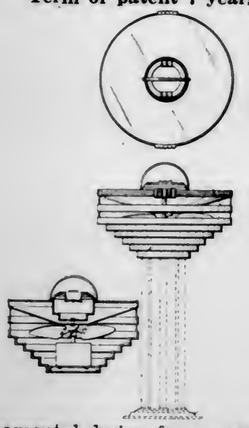
The ornamental design for a combination fan and table, as shown and described.

114,223
DESIGN FOR A COMBINATION FAN AND SMOKING STAND
William L. Kisling, St. Louis, Mo.
Application November 17, 1938, Serial No. 81,163
Term of patent 7 years



The ornamental design for a combination fan and smoking stand, as shown and described.

114,224
DESIGN FOR A COMBINATION FAN AND SMOKING TABLE
William L. Kisling, St. Louis, Mo.
Application November 17, 1938, Serial No. 81,164
Term of patent 7 years



The ornamental design for a combination fan and smoking table, as shown and described.

114,225
DESIGN FOR A BROOCH PIN
Jacques H. Leff, New York, N. Y.
Application March 9, 1939, Serial No. 83,449
Term of patent 3½ years



The ornamental design for a brooch pin, substantially as shown.

114,226
DESIGN FOR AN APPAREL PIN
Florence N. Lewis, New York, N. Y.
Application March 7, 1939, Serial No. 83,399
Term of patent 7 years



The ornamental design for an apparel pin, as shown.

114,227
DESIGN FOR A DISPLAY RACK
Edward Paul May, New Brighton, Pa.
Application February 10, 1939, Serial No. 82,915
Term of patent 3½ years



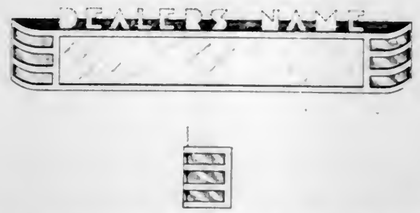
The ornamental design for a display rack, as shown.

114,228
DESIGN FOR A DISPLAY RACK
Edward Paul May, New Brighton, Pa.
Application July 15, 1938, Serial No. 78,521
Term of patent 3½ years



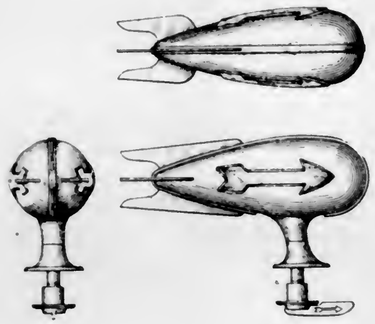
The ornamental design for a display rack, as shown.

114,229
DESIGN FOR A SIGN
Martin C. Lee, Detroit, Mich.
Application December 12, 1938, Serial No. 81,724
Term of patent 7 years



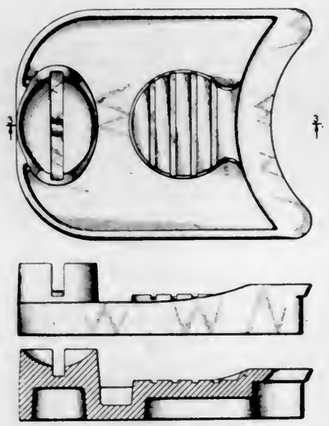
The ornamental design for a sign, as shown and described.

114,230
DESIGN FOR A DIRECTION SIGNAL FOR AUTOMOBILES
Willard L. Morrison, Lake Forest, Ill.
Application January 7, 1937, Serial No. 66,931
Term of patent 3½ years



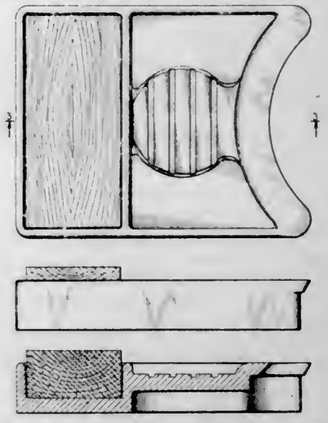
The ornamental design for a direction signal for automobiles, substantially as shown.

114,231
DESIGN FOR A COMBINATION DRAIN AND CUTTING BLOCK
George D. Otis, New York, N. Y.
Application June 30, 1938, Serial No. 78,178
Term of patent 3½ years



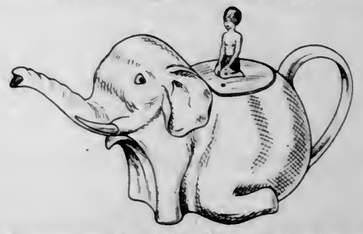
The ornamental design for a combination drain and cutting block, as shown.

114,232
DESIGN FOR A COMBINATION DRAIN AND CUTTING BLOCK
George D. Otis, New York, N. Y.
Application June 30, 1938, Serial No. 78,179
Term of patent 3½ years



The ornamental design for a combination drain and cutting block, as shown.

114,233
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
John H. Perry, Harrow, England, assignor to Colclough China Ltd., a limited company
Application January 23, 1939, Serial No. 82,541
Term of patent 3½ years



The ornamental design for a teapot or similar article, as shown.

114,234
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,453
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,235
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,454
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,236
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,455
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,237
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,456
Term of patent 3½ years



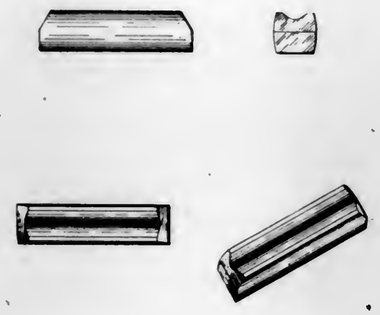
The ornamental design for a clip pin, substantially as shown.

114,238
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,457
Term of patent 3½ years



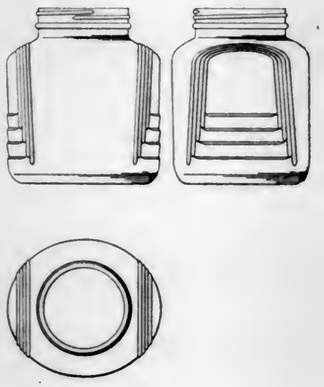
The ornamental design for a clip pin, substantially as shown.

114,239
DESIGN FOR AN ELECTRIC CONTACT DEVICE
Edmund C. Ryan, Mansfield, Ohio
Application August 23, 1938, Serial No. 79,512
Term of patent 7 years



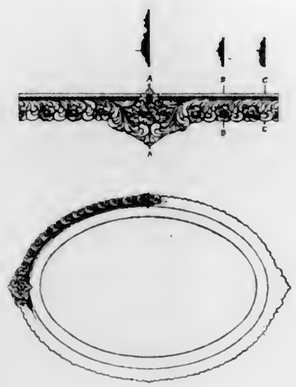
The ornamental design for an electric contact device, as shown.

114,240
DESIGN FOR A JAR OR SIMILAR ARTICLE
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application February 17, 1939, Serial No. 83,053
Term of patent 7 years



The ornamental design for a jar or similar article, as shown.

114,241
DESIGN FOR A DISH OR OTHER ARTICLE OF HOLLOW WARE
Jean G. Theobald, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application January 27, 1939, Serial No. 82,634
Term of patent 14 years



The ornamental design for a dish or other article of hollow ware, substantially as shown and described.

114,242
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application February 9, 1939, Serial No. 82,898
Term of patent 3½ years



The ornamental design for an atomizer, substantially as shown and described.

114,243
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application February 9, 1939, Serial No. 82,899
Term of patent 7 years



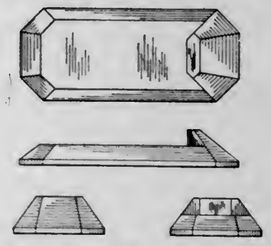
The ornamental design for an atomizer, substantially as shown and described.

114,244
DESIGN FOR A JEWELRY FINDING FOR CHAINS OR THE LIKE
Paul F. Volk, Warwick, R. I., assignor to Carl-Art, Inc., Providence, R. I., a corporation of Rhode Island
Application January 23, 1939, Serial No. 82,525
Term of patent 7 years



The ornamental design for a jewelry finding for chains or the like, as shown.

114,245
DESIGN FOR A COMBINED GRAVE PRESERVER AND MARKER
Robert W. Wahl, Broken Bow, Nebr.
Application August 5, 1938, Serial No. 79,136
Term of patent 14 years



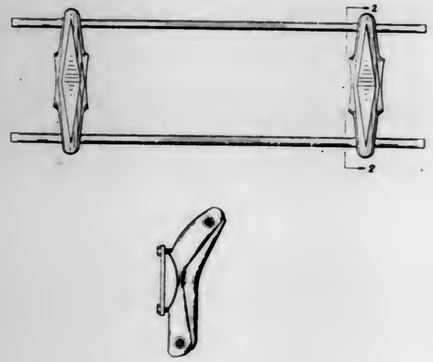
The ornamental design for a combined grave preserver and marker, as shown.

114,246
DESIGN FOR A MILK BOTTLE
John Jay Welky, Hazleton, Pa.
Application February 1, 1939, Serial No. 82,711
Term of patent 14 years



The ornamental design for a milk bottle, as shown.

114,247
DESIGN FOR AN AUTOMOBILE GRILLE PROTECTOR
Ralph N. Wiesenberger, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio
Application December 24, 1938, Serial No. 81,975
Term of patent 14 years



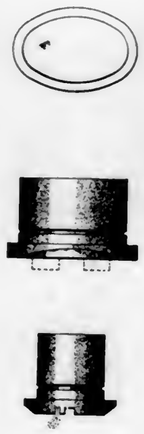
The ornamental design for an automobile grille protector, as shown.

114,248
DESIGN FOR A WEDDING VEIL
Adolf Frank, Long Beach, N. Y.
Application April 13, 1938, Serial No. 76,478
Term of patent 14 years



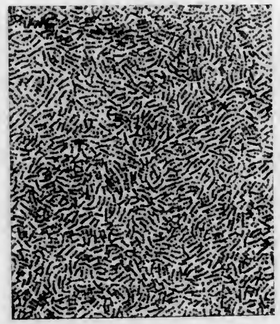
The ornamental design for a wedding veil, substantially as shown and described.

114,249
DESIGN FOR A HANDBAG CLASP
Casper Lowenstein, Brooklyn, N. Y., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 1, 1938, Serial No. 74,771
Term of patent 3½ years



The ornamental design for a handbag clasp, as shown.

114,250
DESIGN FOR A TEXTILE FABRIC
John G. McCutcheon, Scarsdale, N. Y.
Application July 14, 1938, Serial No. 78,480
Term of patent 3½ years



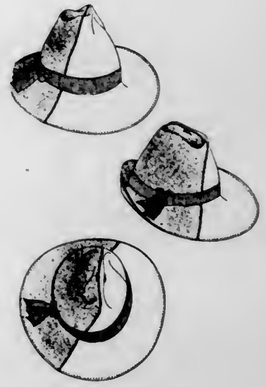
The ornamental design for a textile fabric, as shown.

114,251
DESIGN FOR A TEXTILE FABRIC
George M. Ruth, Short Hills, N. J.
Application February 13, 1939, Serial No. 82,958
Term of patent 3½ years



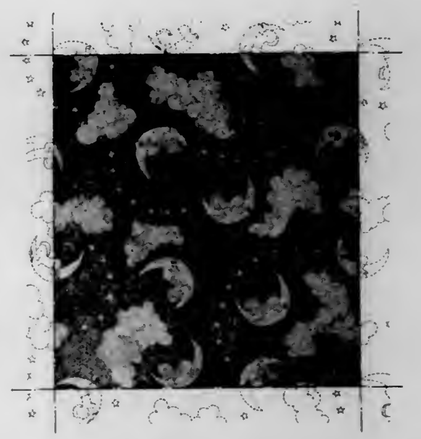
The ornamental design for a textile fabric, substantially as shown.

114,252
DESIGN FOR A HAT
Samuel Scheuer, New York, N. Y.
Application February 28, 1939, Serial No. 83,250
Term of patent 3½ years



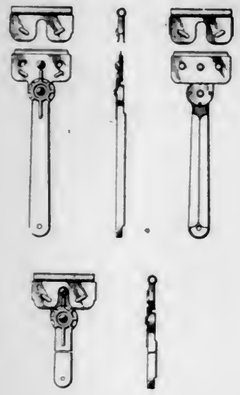
The ornamental design for a hat, substantially as shown.

114,253
DESIGN FOR A TEXTILE FABRIC
Agnes S. Selverstone, Brooklyn, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application February 18, 1939, Serial No. 83,076
Term of patent 7 years



The ornamental design for a textile fabric, as shown and described.

114,254
DESIGN FOR A COMBINED GLASS SCRAPER AND GUARD THEREFOR OR SIMILAR ARTICLE
Herman Siemund, Chicago, Ill., assignor to Greenview Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1938, Serial No. 78,574
Term of patent 14 years



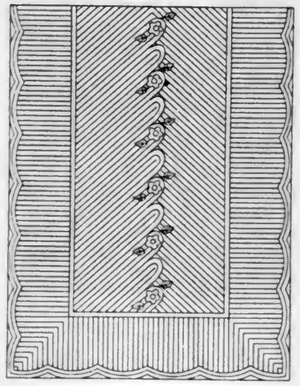
The ornamental design for a combined glass scraper and guard therefor or similar article, substantially as shown and described.

114,255
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Hans Sluizer, Nutley, N. J.
Application February 11, 1939, Serial No. 82,927
Term of patent 3½ years



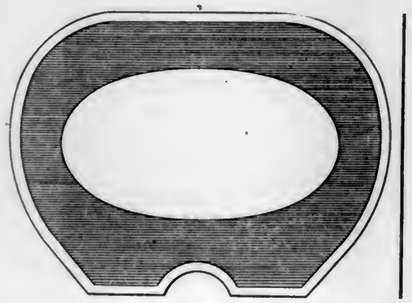
The ornamental design for a textile fabric or similar article, as shown and described.

114,256
DESIGN FOR A BEDSPREAD
Richard Steinweg, New York, N. Y., assignor to Harriette A. Lawson, Signal Mountain, Tenn.
Application March 13, 1939, Serial No. 83,552
Term of patent 3½ years



The ornamental design for a bedspread substantially as shown.

114,257
DESIGN FOR AN ADVERTISING CARD
Royal I. Blanchard, Worcester, Mass., assignor to Roy Toy Company, Worcester, Mass., a corporation of Massachusetts
Application October 3, 1938, Serial No. 80,227
Term of patent 3½ years



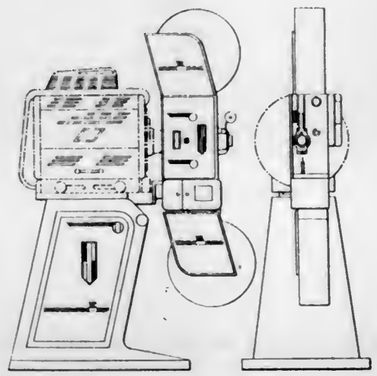
The ornamental design for an advertising card, as shown.

114,258
DESIGN FOR LEATHER OR SIMILAR ARTICLE OF MANUFACTURE
Fred H. Becker and Lester F. Peabody, Girard, Ohio, assignors to The Ohio Leather Company, Girard, Ohio, a corporation of Ohio
Application September 12, 1938, Serial No. 79,854
Term of patent 3½ years

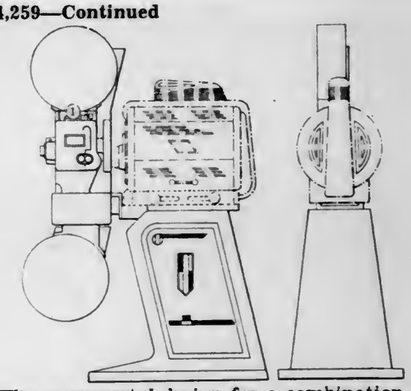


The ornamental design for leather or similar article of manufacture, as shown.

114,259
DESIGN FOR A COMBINATION MOTION PICTURE PROJECTOR AND PEDESTAL THEREFOR
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application January 21, 1939, Serial No. 82,502
Term of patent 14 years



114,259—Continued



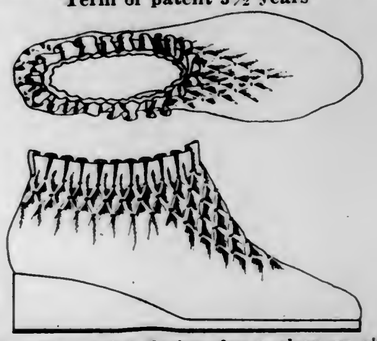
The ornamental design for a combination motion picture projector and pedestal therefor, as shown herein.

114,260
DESIGN FOR A GOGGLE
Joseph Brunetti, Carlstadt, N. J.
Application February 15, 1939, Serial No. 83,002
Term of patent 3½ years



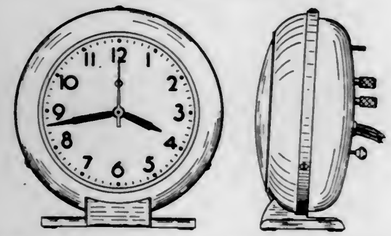
The ornamental design for a goggle, substantially as shown and described.

114,261
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Silvia Dorée, New York, N. Y.
Application January 31, 1939, Serial No. 82,690
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

114,262
DESIGN FOR A CLOCK CASING
Henry Dreyfuss, New York, N. Y., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application November 19, 1938, Serial No. 81,241
Term of patent 14 years



The ornamental design for a clock casing, as shown.

114,263
DESIGN FOR A BELT BUCKLE
Amson Furtsch, New York, N. Y.
Application January 27, 1939, Serial No. 82,633
Term of patent 3½ years



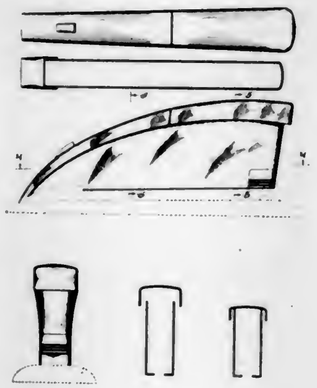
The ornamental design for a belt buckle, substantially as shown and described.

114,264
DESIGN FOR AN ELECTRIC CLOCK
Joseph Gottlieb, Jersey City, N. J.
Application November 21, 1938, Serial No. 81,260
Term of patent 7 years



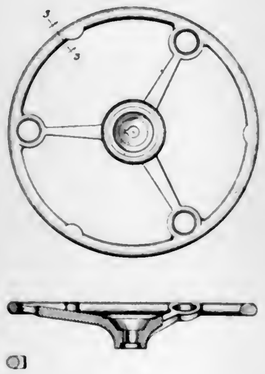
The ornamental design for an electric clock as shown and described.

114,265
DESIGN FOR A STAPLER
Robert Heller, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Original application August 19, 1938, Serial No. 79,444. Divided and this application December 10, 1938, Serial No. 81,705. Term of patent 14 years



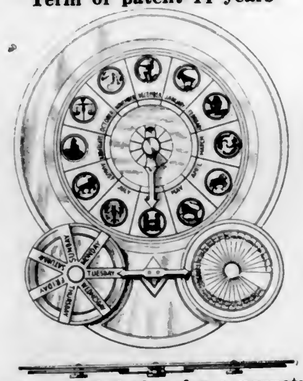
The ornamental design for a stapler, substantially as shown and described.

114,266
DESIGN FOR A STEERING WHEEL FOR MOTOR VEHICLES OR THE LIKE
Daniel S. Hoover, Mansfield, Ohio
Application August 1, 1938, Serial No. 79,017
Term of patent 7 years



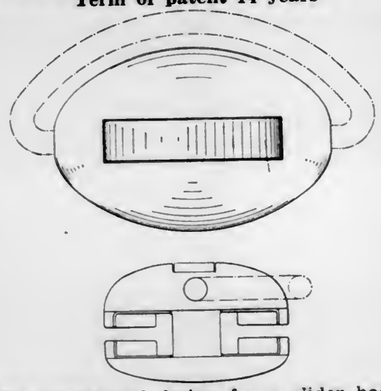
The ornamental design for a steering wheel for motor vehicles or the like, as shown.

114,267
DESIGN FOR A PERPETUAL CALENDAR
Leonard P. Koprucki, Buffalo, N. Y.
Application February 23, 1939, Serial No. 83,170
Term of patent 14 years



The ornamental design for a perpetual calendar, as shown.

114,268
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application January 28, 1938, Serial No. 74,680
Term of patent 14 years



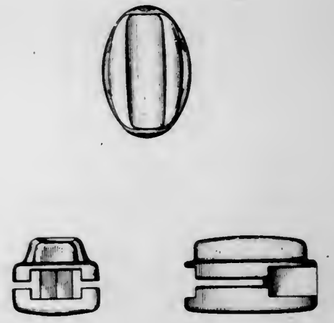
The ornamental design for a slider body for slide fasteners, as shown and described.

114,269
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 78,250
Term of patent 14 years



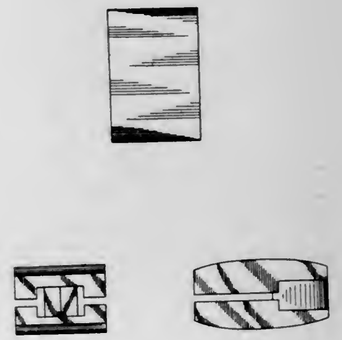
The ornamental design for a slider body for slide fasteners, substantially as shown.

114,270
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 78,251
Term of patent 14 years



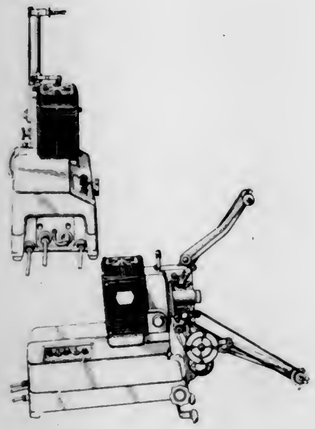
The ornamental design for a slider body for slide fasteners, substantially as shown.

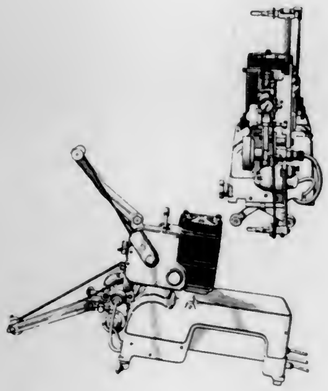
114,271
DESIGN FOR A SLIDER BODY FOR SLIDE FASTENERS
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application July 2, 1938, Serial No. 78,253
Term of patent 14 years



The ornamental design for a slider body for slide fasteners, substantially as shown.

114,272
DESIGN FOR A SOUND ON FILM MOTION PICTURE PROJECTOR
Abraham Shapiro, Chicago, Ill., assignor to Universal Stamping & Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 16, 1939, Serial No. 83,022
Term of patent 7 years





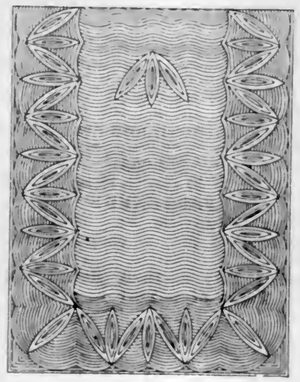
The ornamental design for a sound on film motion picture projector, substantially as shown.

114,273
DESIGN FOR A TEXTILE FABRIC
Neuman B. Starr, New York, N. Y.
Application March 4, 1939, Serial No. 83,338
Term of patent 3½ years



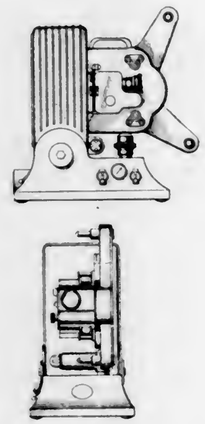
The ornamental design for a textile fabric, substantially as shown.

114,274
DESIGN FOR A BEDSPREAD
Richard Steinweg, New York, N. Y., assignor to Harriette A. Lawson, Signal Mountain, Tenn.
Application March 13, 1939, Serial No. 83,551
Term of patent 3½ years



The ornamental design for a bedspread, substantially as shown.

114,275
DESIGN FOR A PROJECTOR
John Tuomey, New York, N. Y.
Application May 3, 1937, Serial No. 69,133
Term of patent 3½ years



The ornamental design for a projector, as shown and described.

114,276
DESIGN FOR A SHOE
Elbert W. Allen, Belgium, Wis.
Application July 30, 1938, Serial No. 78,983
Term of patent 7 years



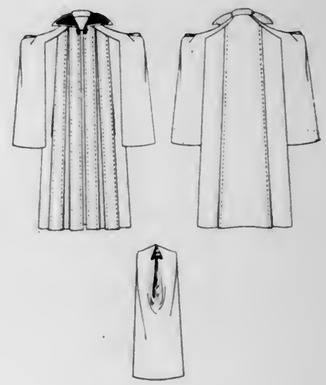
The ornamental design for a shoe, as shown and described.

114,277
DESIGN FOR A DRESS
Phyllis Byrnes, New York, N. Y.
Application February 20, 1939, Serial No. 83,099
Term of patent 3½ years



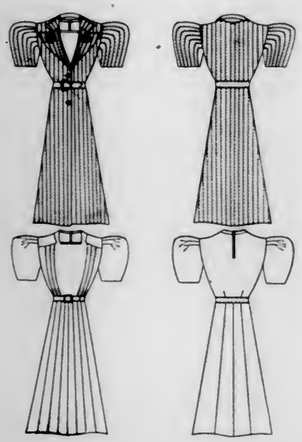
The ornamental design for a dress, substantially as shown and described.

114,278
DESIGN FOR A COAT
David B. Feldman, New York, N. Y.
Application March 10, 1939, Serial No. 83,501
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

114,279
DESIGN FOR A DRESS ENSEMBLE
Sam E. Frontman, New York, N. Y.
Application March 9, 1939, Serial No. 83,447
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

114,280
DESIGN FOR A COAT
Benjamin Goldschmidt, New York, N. Y.
Application March 10, 1939, Serial No. 83,499
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

114,281
DESIGN FOR A DRESS
Helene Herrmann, New York, N. Y.
Application March 4, 1939, Serial No. 83,320
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,282
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 8, 1939, Serial No. 83,422
Term of patent 3½ years



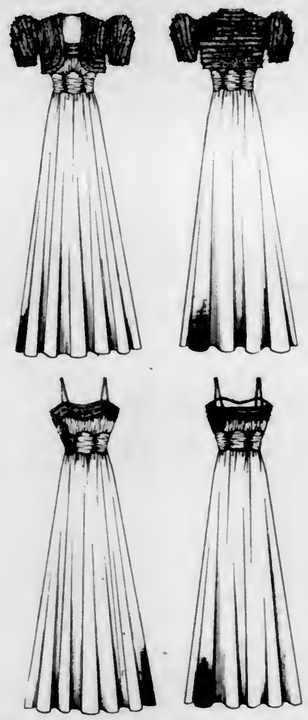
The ornamental design for a clip pin, substantially as shown.

114,283
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 8, 1939, Serial No. 83,423
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,284
DESIGN FOR A DRESS ENSEMBLE
David Klein, New York, N. Y.
Application February 27, 1939, Serial No. 83,215
Term of patent 3½ years



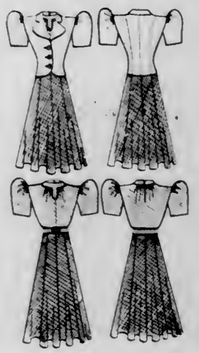
The ornamental design for a dress ensemble, substantially as shown.

114,285
DESIGN FOR A DRESS
Ida Lampel, New York, N. Y.
Application January 7, 1939, Serial No. 82,209
Term of patent 3½ years



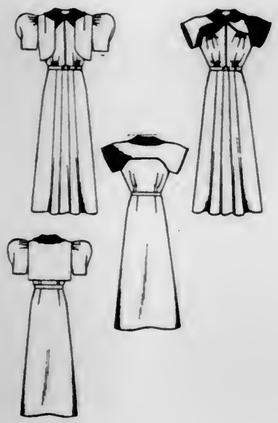
The ornamental design for a dress, substantially as shown and described.

114,286
DESIGN FOR A DRESS ENSEMBLE
Helen Lentini, New York, N. Y.
Application March 9, 1939, Serial No. 83,459
Term of patent 3½ years



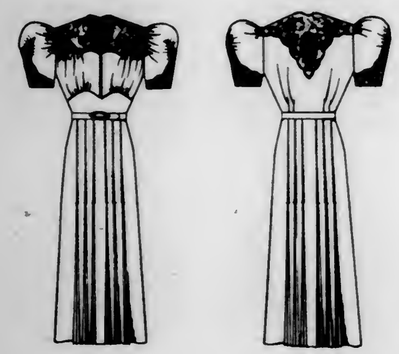
The ornamental design for a dress ensemble, substantially as shown.

114,287
DESIGN FOR A DRESS ENSEMBLE
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,100
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

114,288
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,102
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,289
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,103
Term of patent 3½ years



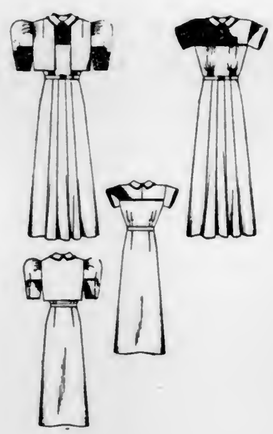
The ornamental design for a dress, substantially as shown and described.

114,290
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,104
Term of patent 3½ years



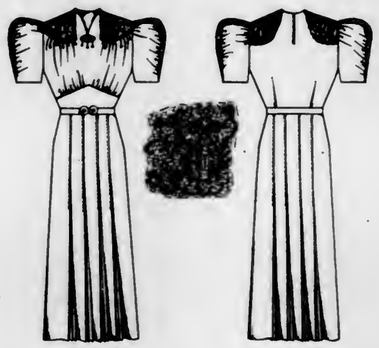
The ornamental design for a dress, substantially as shown.

114,291
DESIGN FOR A DRESS ENSEMBLE
Morris Massow, New York, N. Y.
Application February 20, 1939, Serial No. 83,105
Term of patent 3½ years



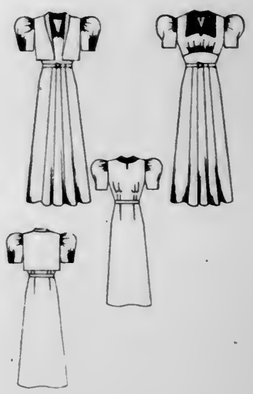
The ornamental design for a dress ensemble, substantially as shown.

114,292
DESIGN FOR A DRESS
Morris Massow, New York, N. Y.
Application February 27, 1939, Serial No. 83,211
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

114,293
DESIGN FOR A DRESS ENSEMBLE
Morris Massow, New York, N. Y.
Application February 27, 1939, Serial No. 83,212
Term of patent 3½ years



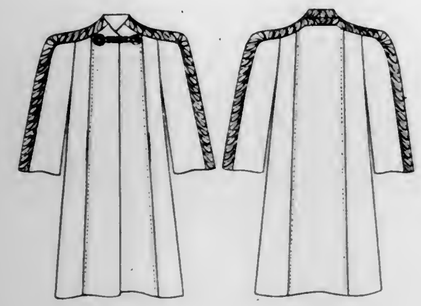
The ornamental design for a dress ensemble, substantially as shown and described.

114,294
DESIGN FOR A STOCKING
Louis H. Mendelsohn, Paterson, N. J.
Application February 28, 1939, Serial No. 83,263
Term of patent 3½ years



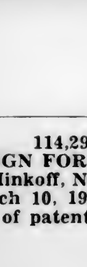
The ornamental design for a stocking, as shown and described.

114,295
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application March 10, 1939, Serial No. 83,500
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

114,296
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 83,451
Term of patent 3½ years



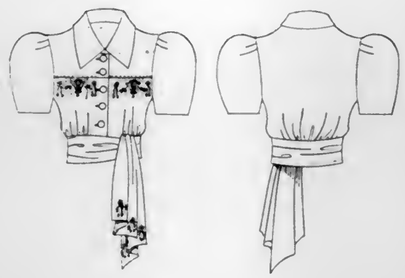
The ornamental design for a clip pin, substantially as shown.

114,297
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 9, 1939, Serial No. 84,452
Term of patent 3½ years



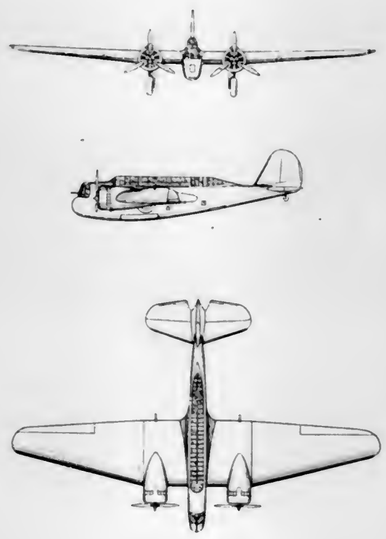
The ornamental design for a clip pin, substantially as shown.

114,298
DESIGN FOR A BLOUSE
Murray Presslaff, New York, N. Y.
Application February 28, 1939, Serial No. 83,249
Term of patent 3½ years



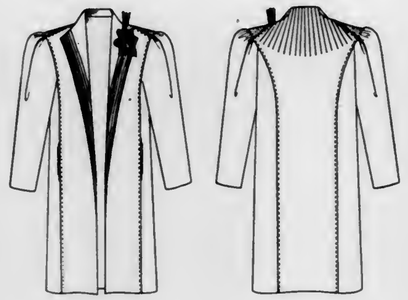
The ornamental design for a blouse, substantially as shown and described.

114,299
DESIGN FOR AN AIRPLANE
Clifford E. Roberts, Joppa, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application July 19, 1938, Serial No. 78,583
Term of patent 14 years



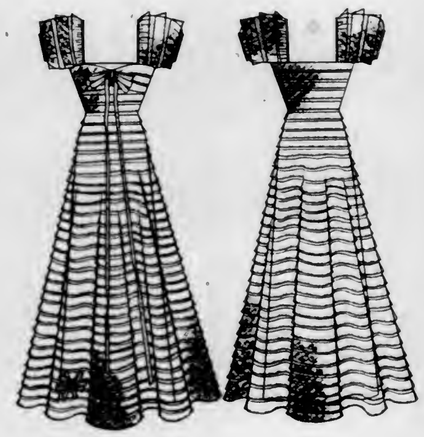
The ornamental design for an airplane, substantially as shown.

114,300
DESIGN FOR A COAT
Philip Rosenshein, New York, N. Y.
Application March 8, 1939, Serial No. 83,418
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

114,301
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application December 5, 1938, Serial No. 81,567
Term of patent 3½ years



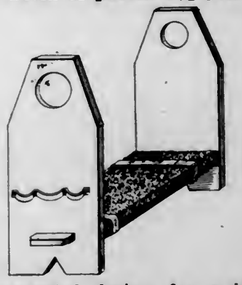
The ornamental design for a dress, substantially as shown.

114,302
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application February 8, 1939, Serial No. 82,854
Term of patent 3½ years



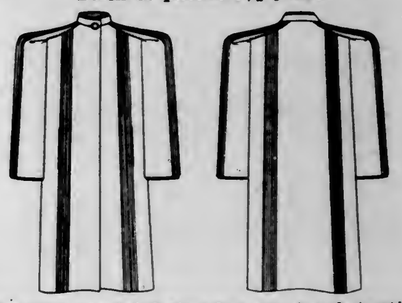
The ornamental design for a dress, substantially as shown.

114,303
DESIGN FOR A KNEE REST FOR GARDENERS
John H. L. Sullivan, Roxbury, and Elmer B. Thibedeau, Gloucester, Mass.
Application December 19, 1938, Serial No. 81,870
Term of patent 3½ years



The ornamental design for a knee rest for gardeners, substantially as shown and described.

114,304
DESIGN FOR A COAT
Herman Weinstein, New York, N. Y.
Application March 10, 1939, Serial No. 83,502
Term of patent 3½ years



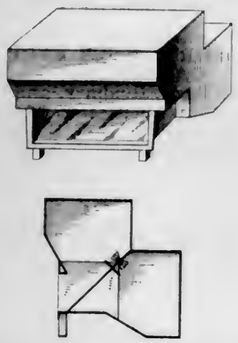
The ornamental design for a coat, substantially as shown.

114,305
DESIGN FOR ELASTIC FABRIC OR SIMILAR ARTICLE
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 5, 1936, Serial No. 66,326
Term of patent 7 years



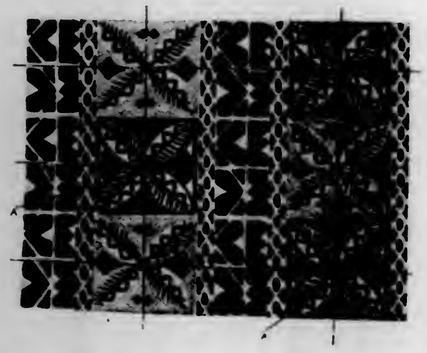
The ornamental design for elastic fabric or similar article, as shown.

114,306
DESIGN FOR AN OPTICAL DISPLAY STAND
Sverre Hokstad, Jersey City, N. J.
Application January 14, 1939, Serial No. 82,358
Term of patent 7 years



The ornamental design for an optical display stand, as shown.

114,307
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application March 17, 1939, Serial No. 83,626
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

114,308
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application March 17, 1939, Serial No. 83,627
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

114,309
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,152
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

114,310
DESIGN FOR A NIGHTGOWN OR SIMILAR ARTICLE
Harry Shaffer, New York, N. Y.
Application March 18, 1939, Serial No. 83,659
Term of patent 3½ years



The ornamental design for a nightgown or similar article, substantially as shown.

114,311
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application March 22, 1939, Serial No. 83,749
Term of patent 3½ years



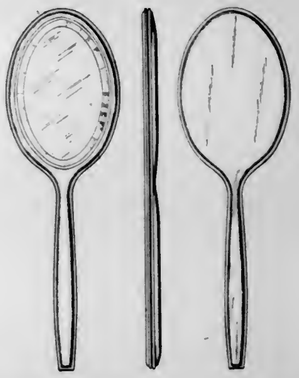
The ornamental design for a textile fabric or similar article, as shown.

114,312
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application March 22, 1939, Serial No. 83,750
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

114,313
DESIGN FOR A MIRROR OR SIMILAR ARTICLE
Bertram M. Quint, Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 17, 1938, Serial No. 81,166
Term of patent 7 years



The ornamental design for a mirror or similar article, substantially as shown.

THE

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Labels	38—No.	52,820 to No.	52,857, inclusive.
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Reissues	6—No.	21,048 to No.	21,054, inclusive.
Plant Patents	2—No.	326 to No.	327, inclusive.
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Designs	118—No.	114,314 to No.	114,431, inclusive.
Total	1,239		

Adjudicated Patents

(D. C. Ohio.) Manson patent, No. 1,399,976, for method of manufacturing fiber products, claims 1, 4, and 5 *Held* valid and infringed. *Sprout, Waldron & Co.* v. *Bauer Bros. Co.*, 26 F. Supp. 162.

(D. C. Md.) Cimorosi patent, No. 1,467,755, for toy torpedo, claims 1 to 7, inclusive, *Held* not infringed. *Victory Fireworks & Specialty Co.* v. *Commercial Novelty Co.*, 26 F. Supp. 126.

(D. C. N. Y.) Walliser patent, No. 1,660,536, for machine for making and applying tufts and the like, claims 3, 4, 7, 8, 9, and 10 *Held* valid and infringed, and claims 15, 16, 17, and 18 *Held* invalid. *Blessing* v. *Consolidated Trimming Corporation*, 26 F. Supp. 112.

(D. C. Conn.) Gauvin patent, No. 1,783,839, for roof covering, claims 1 to 4 *Held* valid and infringed. *Gauvin* v. *Smith*, 26 F. Supp. 194.

(D. C. Conn.) Johnston patent, No. 1,807,574, for meat grinder, *Held* invalid, but if valid, infringed. *Hobart Mfg. Co.* v. *Landers, Frary & Clark*, 26 F. Supp. 198.

(C. C. A. N. J.) Baum patent, No. 1,821,902, for manometer, *Held* invalid. *W. A. Baum Co.* v. *Becton Dickinson & Co.*, 101 F.(2d) 476.

(D. C. Mass.) Griffiths patent, No. 1,838,618, for plastic composition, claims 5, 6, 7, 14, 17, and 18 *Held valid* and infringed. *A. S. Boyle Co.* v. *Siegel Hardware & Paint Co.*, 26 F. Supp. 217.

(D. C. Pa.) Ainsworth patent, No. 1,957,192, for lighting fixture, *Held* invalid, but if valid, *Held* infringed. *Ainsworth* v. *Gill Glass & Fixture Co.*, 26 F. Supp. 183.

(D. C. N. Y.) Gleitsman patent, No. 2,120,661, for clothes hamper, claims 1 and 2 *Held* valid and infringed. *Gleitsman* v. *Monarch Sanitary Products*, 26 F. Supp. 152.

(D. C. N. Y.) Gleitsman design patent, No. 110,355, for design for a hamper, *Held* valid and infringed. *Id.*

Interference Notice

U. S. Patent Office, *Washington, D. C., Apr. 1, 1939.*

Lehigh Silk Hosiery Mills, Inc., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Henry Mayer, 164–02 Thirty-third Avenue, Flushing, Long Island, N. Y., for registration of a trade-mark, and trade-mark registered August 20, 1929, No. 260,113, to Lehigh Silk Hosiery Mills, Inc., 294 Fifth Avenue, New York, N. Y. A notice of such proceeding sent by registered mail to said Lehigh Silk Hosiery Mills, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Lehigh Silk Hosiery Mills, Inc., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on June 12, 1939.

This examinaion may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 22, 1939.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

LESLIE FRAZER,
Chairman of the Committee on Enrollment and Disbarment.

Condition of Applications Under Examination at Close of Business April 1, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,354; Trade-Mark Division, 1,463. Oldest new case, July 30, 1938; oldest amended, Aug. 18, 1938.) (The dates given are 1938 except where † indicates 1939) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Oct. 15	Nov. 9	695
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 14	Oct. 28	657
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 13	Feb. 6	261
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 17	Nov. 14	417
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Jan. 5	†Jan. 3	559
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 10	Oct. 1	1062
5725	7. JARBOE, C. G., Optics; Photography	Dec. 21	Dec. 22	927
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 28	Nov. 14	883
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 1	Dec. 2	615
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 17	†Jan. 12	611
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 16	†Jan. 3	450
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Sept. 17	Oct. 5	621
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 19	Oct. 20	701
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 10	†Jan. 12	473
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 30	Nov. 30	1096
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 10	Oct. 20	726
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 15	Nov. 15	484
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 1	Oct. 1	551
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 28	†Jan. 3	447
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 17	†Jan. 20	299
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 29	Dec. 29	493
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Dec. 5	Dec. 5	767
7624	23. BUTTNER, W. J., Registers (part)	Aug. 16	Aug. 18	289
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Feb. 1	†Feb. 6	385
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 22	Dec. 31	388
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 1	Dec. 1	624
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 3	Oct. 4	973
4028	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	†Jan. 3	Dec. 9	444
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 25	Nov. 26	595
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 15	Oct. 15	875
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 3	†Jan. 3	637
4066	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 31	†Jan. 9	456
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Dec. 27	Dec. 8	714
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Jan. 24	†Jan. 27	288
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 7	Dec. 9	596
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 2	Nov. 1	549
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 18	Oct. 4	673
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Oct. 14	Oct. 14	537
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 3	†Jan. 3	515
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 1	Nov. 2	1444
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders, Registers (part); Deposit and Collection Receptacles.	Oct. 21	Nov. 19	252
5882	42. CUTTING, H. O., Electric Signaling	Sept. 23	Sept. 24	627
4886B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 2	Dec. 2	493
4087B	44. HARVEY, L. P., Refrigeration	Nov. 4	Oct. 21	631
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 16	Nov. 23	655
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 9	Nov. 9	688
6082	47. LOWE, E. R., Clutches; Brakes	Dec. 27	Dec. 9	373
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Jan. 7	†Jan. 7	356
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 21	Sept. 20	967
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Sept. 29	Sept. 30	1205
5628	51. BACKUS, C. D., Radiant Energy (part)	Dec. 26	Dec. 26	691
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 23	Dec. 19	772
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Dec. 10	Dec. 13	588
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Jan. 10	†Jan. 7	329
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1287
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 1	Nov. 1	1058
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horse-shoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Dec. 3	Nov. 15	454
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 29	†Jan. 6	353
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 22	Dec. 29	578
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 28	Nov. 28	449
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Oct. 27	Oct. 27	520
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 29	†Jan. 5	438
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 23	Nov. 25	361
4708	64. NASH, P. M., Acetylene; Distillation; Gas [Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Nov. 25	Nov. 25	895
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 8	Oct. 25	575
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	†Mar. 1	†Mar. 15	1390
	{Labels and Prints	†Mar. 24	†Mar. 20	73
2605	DESIGNS: H. H. KALUPY	†Feb. 23	†Mar. 10	962

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

MACKAY RADIO AND TELEGRAPH COMPANY, INC.
v.
RADIO CORPORATION OF AMERICA

No. 127. Decided January 30, 1939

1. PATENTABILITY—DEVICE EMBODYING SCIENTIFIC TRUTH.

"While a scientific truth, or the mathematical expression of it, is not patentable invention, a novel and useful structure created with the aid of knowledge of scientific truth may be."

2. PATENTS—VALIDITY AND INFRINGEMENT—CARTER PATENT NO. 1,974,387.

Certain claims of Carter Patent No. 1,974,387 for an antenna *Held* invalid "so far as they claim antennae of wire lengths intermediate of multiples of half wave lengths", and *Held* not infringed in so far as "the patent discloses and claims invention of a structure made in conformity to the Abraham formula".

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Second Circuit.

Reversed.

Mr. Samuel E. Darby, Jr. (*Mr. Hugh M. Morris, Mr. Paul Kolisch, Mr. Roy Hopgood*, and *Mr. E. D. Phinney* with him on the brief, for Mackay Radio and Telegraph Company, Inc.

Mr. Jo. Baily Brown (*Mr. Abel E. Blackmar, Jr.*, with him on the brief) for Radio Corporation of America.

Mr. Justice STONE delivered the opinion of the Court.

The questions presented for decision by the petition for certiorari are whether the Carter patent, No. 1,974,387, of September 18, 1934, for a directive antenna system for use in radio communication, is valid and is infringed by antennae structures used by petitioner in such communication.

Respondent brought the present suit in the district court for eastern New York to enjoin infringements of four patents relating to radio antennae or their operation. Two were those of Carter and two those of Lindenblad. Of these only the second Lindenblad patent, No. 1,927,522, of September 19, 1933, for an antenna for radio communication, is of present importance. When the suit was begun the application for the third Carter patent, with which we are presently concerned, was pending. After petitioner had answered and respondent, as a result of the litigation, had acquired knowledge of the particulars of the structure and operation of petitioner's antennae, Carter, respondent's assignor, amended the statement of his invention in his application so as in terms to embrace a differentiating feature of petitioner's structures. After this patent was issued respondent was permitted to file a supplemental bill charging infringement of it. The suits were consolidated, and the parties proceeded to trial on the issues of the validity and infringement of all five patents.

After taking the voluminous testimony of numerous witnesses, the trial court found that none of the patents in suit was infringed and decreed that the suits be dismissed. 16 F. Supp. 610. It held that none of them was a pioneer patent; that none had been employed by any one; that respondent's commercial structures did not follow the teachings of any of them; and that consequently they were not entitled to a broad construction. With respect to the Carter patent in suit it said:

"The disclosure and the claims were broadened not only contrary to their original terminology but to their spirit as well."

And

". . . by those amendments the plaintiff attempted to mold the third Carter patent both as to disclosure and claims, to cover defendant's antenna systems. This could not lawfully be done."

On appeal from so much of the decree as related to the second Lindenblad patent and the third Carter patent, the court of appeals for the second circuit affirmed as to the Lindenblad patent, but reversed as to the Carter patent, holding claims 15 and 16 valid and infringed. 96 F.(2d) 587. We granted certiorari, — U. S. —, because of the nature and importance of the case, on a petition which urged as grounds for its allowance that validity and infringement of the Carter patent were in doubt and that, as petitioner is the only competitor of respondent in the business of world wide public radio communication, further litigation, resulting in conflict of decision among circuits, was improbable.

In ordinary broadcasting, radio waves are projected in all directions from the sending station. In radio communication it is advantageous and has long been the practice to use a directive antenna by which the waves of radio activity emanating from it are projected as a beam in the direction of the receiving station. In practice the beam is directed at an angle from the earth's surface toward the ionized layer of the stratosphere, or Heaviside layer, from which the beam is deflected toward the earth's surface in the compass direction of the receiving station. In more recent years it has been the practice to use relatively short wave lengths for radio communication.

The radio waves are generated at the sending station by feeding an oscillating electric current of appropriate character into the wire or wires of the antenna. The electric waves in the wires energize radio activity, which the antenna projects as radio waves toward the receiving station. By modulating or interrupting the current, corresponding modulation or interruption of the radio waves is effected, which may be used as a means of transmitting any desired signal. The waves, as modulated, impinge on the antenna of the receiving station devised to receive and utilize them as a means of controlling, with corresponding modulation, an electric current which in turn actuates a mechanism contrived to give audible or visual expression to the transmitted signal.

The effective part of the antenna is a copper wire from which the radio waves are radiated, supported on towers or poles at a height above the ground depending on the wave length used. The wire may be parallel with the earth, or vertical, or arranged at an angle, depending upon the function to be performed. Before Carter, antennae of two or more wires in varying arrangement had been used. The second Lindenblad patent showed an antenna of two wires arranged at an angle in the form of a V or an X, and it pointed out that in such an arrangement radiation will take place in the direction of the axis or bisector of the angle of the diverging wires, and that—

"the spacing at the open end [of the wires], while variable over a great range, should be in the neighborhood of a fifth of the length, and the length of each antenna section should be of the order of magnitude of five to ten waves long."

While such an arrangement projects the radio waves principally in two directions along the bisector of the angle of the antenna wires, the prior art had made use of an arrangement of wires, parallel to the wires of the angular antenna, as a "reflector" by which the radiation was projected as a beam in one direction away from the reflector and along the bisector of the angle of the wires.

The present Carter patent is for an "antenna system utilizing standing wave phenomena." Like the second Lindenblad patent, it is concerned with a V antenna by which the principal radiation is directed in the plane of the wires along the bisector of their angle. The disclosure of the patent, in which the court below found invention, was that the best directional radio propagation by the V type antenna is obtained with a structure in which the angle of the wires, their length, and the length of wave propagated are in a definite mathematical relationship expressed by a formula disclosed in the specifications.

In explaining his invention, Carter pointed out that—

"It is known that when a wire having a length greater than the operating wave length is excited in such manner that standing waves are produced thereon, radiation will occur principally in the direction of symmetrical cones having their apices at the center of the wire. Such is the case with a wire having a length equal to a plurality of one-half wave lengths at the operating frequency. The radiation pattern produced in such instance appears, in cross section, in the form of symmetrical cones about the wire. The present invention, which makes use of these phenomena, in its most simple aspect employs a pair of open-ended wires energized in phase opposition to have standing waves throughout the length of the wires, the wires having such angular relation with respect to each other as to obtain a highly directional, efficient and simple antenna system."[1]

The patent states the mathematical formula by which the desired relationship is secured, which shows that the appropriate angle between each of the antenna wires and their bisector depends upon the wave length to be propagated and the use of antenna wires of a length which is a multiple of half wave lengths.[2]

The significance of the formula lies in the fact that the angle between the wire and the direction of greatest radio activity is a trigonometrical function of two variables, the wave length used and the "number of half wave lengths contained in the wire", and that, as the application stated, the use of the formula in practice presupposes the use of a wire whose length is a multiple of half wave lengths. The patent then explains that the angle θ of the formula is the angle between each wire of the V antenna and its bisector—in other words, that the angle of the wires of the antenna is twice θ and hence, like the angle of the formula, is a function of the wave length and the length of the wires, which are each a multiple of half wave lengths long.

Carter did not invent the formula. It had been developed by Abraham and published in a scientific journal thirty years before. Annalen der Physik, 1898, Physikalische Zeitschrift, March 2, 1901. Abraham's formula expressed the scientific truth that when radio activity is projected from a charged wire of finite length, i. e., one having standing waves, and having a length of a multiple of half wave lengths, the angle between the direction of the principal radio activity and the wire is dependent on wave length and wire length, which is a multiple of half wave lengths. Lindenblad had described his antenna as using either standing or traveling waves and, as we have seen, had taught that with an arrangement of antenna wires at an angle, radiation will occur substantially in the direction of the bisector of the angle and that the preferred angle was dependent upon an indicated relationship between wire length and wave length.

It is plain, therefore, that the Carter invention, if it was invention, consisted in taking the angle of the Abraham formula as the angle between each wire of the V antenna and its bisector. By so doing he brought the cones of principal radio activity, each having one of the wires of the antenna as its axis, into conjunction at their periphery and along the bisector of the angle between the wires, and thus established there the greatest directional radio activity.

[1] While a scientific truth, or the mathematical expression of it, is not patentable invention, a novel and useful structure created with the aid of knowledge of scientific truth may be. But we do not stop to solve the problem whether it was more than the skill of the art to combine the teaching of Abraham with that of Lindenblad and others who had pointed out that the arrangement of the wires at an angle enhanced directional radio activity along their bisector. We assume, without deciding the point, that this advance was invention even though it was achieved by the logical application of a known scientific law to a familiar type of antenna, But it is apparent that if this assumption is correct the invention was a narrow one, consisting of a structure conforming to the teachings of the Abraham formula as to angle and wire length relative to wave length, and is to be strictly construed with regard both to prior art and to alleged infringing devices. *Kokomo Fence Machine Co.* v. *Kitselman*, 189 U. S. 8; *Cimiotti Unhairing Co.* v. *American Fur Refining Co.*, 198 U. S. 399, 116 O. G. 1452. Carter's structure was a V antenna having an angle double the Abraham angle and wires containing a multiple of half wave lengths.

Carter, using the Abraham formula, calculated the value of the angle θ in that formula for wires up to 14 wave lengths long. He plotted the result, which he expressed graphically in Figure 12 of the patent by drawing a smooth curve connecting the discrete points on the graph which indicated the results of his computation by use of the Abraham formula. From this calculation he derived a formula in empirical form[4] for determining the desired angle when wave length and length of wire are known, in which the angle between the wires is described as twice α, which is the equivalent of the angle θ of the Abraham formula.

Petitioner uses antennae with wires in V arrangement, but their wires are not an integral number of half wave lengths long, with the exception of one antenna, No. 8, which is four wave lengths long and uses an angle 10% smaller than that prescribed by the Abraham formula for that length of wire. The others are of lengths which are approximately multiples of quarter wave lengths, and their angles differ from the angles of the formula. The crucial question in the case is whether a V antenna structure, having a wire length to which the Abraham formula does not apply and using an angle not to be derived from that formula, which is the basis of the patent, infringes Carter's patent. Respondent insists that it does, because, as it argues, the invention disclosed by Carter's application, elaborated by amendment and broad claims, embraces all V antennae arranged at an angle double the angle of the empirical formula, even though the length of the wires is not an exact multiple of half wave lengths, as prescribed by the Abraham formula. This is the invention of claim 15,[4] and it is urged that the claim is amply supported by the statement in the specifications appearing in the original application that the empirical formula represented by the plotted curve of Figure 12 of the patent—

"will be found accurate for all practical purposes where the length of wire dealt with does not correspond to a whole number of half wave lengths."

The trial court, analyzing Carter's application and taking into account the essentials of the Abraham formula and the statement in the application that the "object of the present invention is to disclose the proper angle for conductors or radiators" measured in multiples of half wave lengths, evidently thought, as petitioner argues, that the references in the application to "wires of finite"[5] length and to wires "of any length whatsoever"[6] were intended only to refer to wires of electrically finite as distinguished from electrically

[1] Understanding of the disclosure and other features of the patent requires a brief explanation of its terms. The term "long", as applied to an antenna, means a wire which is long in relation to the wave length used. The term "standing waves", as distinguished from "traveling waves", describes the phenomenon manifested when an oscillating electric current of radio frequency is communicated to one end of a wire which is open at the other (that is, not in a closed circuit) and sufficiently short so that the waves have not completely radiated their energy before reaching the end of the wire. The waves will then be reflected back along the wire, and the energy of the reflected waves tends to unite with that of the oncoming waves of the same periodicity, so as to produce standing waves along the wire. As the velocity of the radio wave in space is approximately that of the current waves in the wire, the number of complete standing waves on the wire is always exactly the same as the length of the wire divided by the wave length. When the length of the wire is a multiple of half wave lengths, the oncoming and reflected waves, traveling at the same velocity, occur simultaneously, differing in this respect from the waves in a wire of a length intermediate a multiple of half wave lengths, and with different effects upon the resulting radio energy, presently to be noted.

When oscillating current is so related to the length of wire that the energy of the former is exhausted by radiation before or when the waves reach the end of the wire, there is no reflection of the waves, and they travel in one direction only toward the open end of the wire. They are denominated "traveling waves". In professional parlance, wires producing reflected, and hence "standing" waves, are electrically of finite length. Those of sufficient length to avoid reflection and thus carry waves flowing in only one direction are said to be electrically of infinite length.

[2] The specifications state: "By considering a long wire the equivalent of a very large number of very short (Hertz) oscillators and by adding up the field components at any point P having a direction angle θ relative to the axis of the wire, where the point P is a great distance from the wire as compared to the length of the wire such that all lines from point P to any point on the wire are essentially parallel, it can be shown that the field strength H is given by the following proportionality for a conductor an odd number of half wave lengths long:

$$H\alpha \frac{\cos\left(n\frac{\pi}{2}\cos\theta\right)}{\sin\theta}$$

"The letter n indicates the number of half wave lengths contained in the wire.

"For a wire an even number of half wave lengths long, in similar fashion, the field strength H is given by the following proportionality:

$$H\alpha \frac{\sin\left(n\frac{\pi}{2}\cos\theta\right)}{\sin\theta}$$

Where n as above indicates the number of half wave lengths on the wire."

[4] "For practical purposes the empirical formula

$$\alpha = 50.9\left(\frac{l}{\lambda}\right)^{-0.513} \text{ degrees}$$

is sufficiently accurate where l equals the length of the wire and λ the wave length, both in the same units of measurement."

[4] "15. An antenna comprising a pair of relatively long conductors disposed with respect to each other at an angle substantially equal to twice

$$50.9\left(\frac{l}{\lambda}\right)^{-0.513}$$

degrees, l being the length of the wire and λ the operating wave length in like units, and means in circuit with said antenna for exciting the conductors in phase opposition whereby standing waves of opposite instantaneous polarity are formed on the conductors throughout their length."

Claim 16 claims an antenna arranged in conformity to the empirical formula, as in claim 15, with "a similar parallel pair of conductors spaced an odd number of quarter wave lengths away from said first mentioned pair . . ." These parallel wires constitute the "reflector", which, as already noted, was old in the art.

[5] "Still a further object of the present invention is to disclose the proper angle for conductors or radiators either an even number of half wave lengths long or an odd number of half wave lengths long, and, in general to disclose the angle for best directional propagation for wires of any finite length."

After the present suit was brought this paragraph was amended to read:

"Another object of the invention is to disclose the angle for the best directional propagation for open-ended wires of any finite length, preferably longer than the operating wave length, having standing waves thereon and arranged in the manner proposed."

[6] "Moreover, it should be clearly understood that the wires of each unit can be of any length whatsoever provided they are placed at the correct angle for their length. For best tuning, the total over-all length of both of the wires and the U loop terminating them should be effectively an integral number of half wave lengths, but, the portion forming the radiation element can be of any length. The law, giving the correct angle for lengths between odd and even number of half wave lengths, is not given due to its complexity but, the empirical formula and the curve of Figure 12 will be found accurate for all practical purposes, where the length of wire dealt with does not correspond to a whole number of half wave lengths."

infinite length, capable of producing standing waves utilized by the antenna of the patent, and of any length conforming to the requirements of the basic formula.[7] It concluded that the correct construction of the application was that the invention described did not go beyond the scope of the Abraham formula and so extended only to the angles calculable by that formula for standing wave wires measured by multiples of half wave lengths. Support is given to this conclusion by the statement in the application that—

"The law, giving the correct angle for lengths between odd and even number of half wave lengths, is not given due to its complexity . . ."

The court of appeals placed emphasis on the reference to "wires of any finite length" and on the statement that—

"the empirical formula and the curve of Figure 12 will be found accurate for all practical purposes, where the length of wire dealt with does not correspond to a whole number of half wave lengths."

It held that the invention disclosed was the application of the empirical formula to all lengths of antenna wires and embraced all angles resulting from such calculation, and that the invention was consequently infringed by petitioner's structures.

Whether or not it was the purpose of the patentee, by these references to wire lengths in his application, to extend his patent to structures not conforming to the Abraham formula, we are not able to construe the application, before amendment at least, as embracing such an extension. And we think that the attempt to extend the claims, based on the application of the empirical formula, to wire lengths not multiples of half wave lengths, must fail, because such structures are not within the invention described in the application.

The formula in claims 15 and 16 is the empirical formula derived from the Abraham formula, which is, by its terms, applicable only to antenna wires which are multiples of half wave lengths long. Carter's empirical formula, wholly derived from Abraham's formula, and taken together with it, therefore discloses no invention or discovery more than the application of the Abraham formula to the V antenna. It reveals no scientific law applicable to wire lengths which are intermediate of multiples of half wave lengths, and the application explicitly states that "the law, giving the correct angle for lengths between odd and even number of half wave lengths, is not given". The preparation, by methods familiar to engineers, of the graph in Figure 12, which was but a pictorial representation of the Abraham formula applied to certain wire lengths specified in the formula, did not involve invention. Neither the empirical formula nor its graph gives any clue to the directional radio activity resulting from the use of wire lengths intermediate of multiples of half wave lengths, which were excluded by the Abraham formula, and neither afforded any basis for a claim of invention not supported by the use of the Abraham formula itself.

The claimed use of the empirical formula for the calculation of the angle for wires which are not multiples of half wave lengths long thus involved a departure from what Carter's application had described as his invention, and a contradiction of it. What Carter did was to describe his structure in terms of its dimensions, arrived at by the use of the Abraham formula, which was stated to embody the applicable scientific law. He then derived the empirical formula from Abraham. From the very method of derivation the empirical formula meant nothing different from that of Abraham. He then declared the empirical formula to embody a method of arriving at the measurements of a structure different from the structure first described as the invention and not capable of construction by the method of the Abraham formula. If, as a result of this legerdemain, a V antenna having wire lengths a multiple of any fractional wave length is to be taken as the invention of Carter's application, then everything that it said of the Abraham formula and of wires "either an even number of half wave lengths long or an odd number of half wave lengths long" could be discarded without changing its meaning.[8]

This attempt to broaden the only invention described in the application through a purely mechanical alteration of the meaning of the empirical formula, which had been devised as a shorthand expression of the scientific law on which the invention was declared to rest, cannot, we think, be taken to enlarge the description of the invention as measured by the Abraham formula, so as to include a structure to which that formula does not apply. This use of the empirical formula for a purpose for which it was not devised does not justify our construing the application as though all reference to the Abraham formula had been eliminated and a new and different one expressing a new and different scientific law had been substituted for it. The result of reading the application as respondent contends it should be construed is precisely the same as though full effect were given to a claim which goes beyond the invention described, and it is open to the same objection.

After the present suit was brought the application was altered by amendment so as in effect to wipe out all reference to the scientific law by which Carter's invention was defined. This was accomplished by changes which implicitly assert that the letter *n* of the formula of the invention, the Abraham formula, meant something different from "the number of half wave lengths contained in the wire" of a length of multiples of half wave lengths as stated both in the application and in the patent.

The reference in the application to the purpose of the invention to disclose the "proper angle" for radiators of multiples of half wave lengths long was altered by eliminating from it all mention of half wave lengths.[9] A sentence added after formal allowance of the patent states:

"By the term 'plurality of wave lengths' or 'plurality of half wave lengths' or 'several half wave lengths' it is not intended that the wires so described shall necessarily be an exact or approximate integral number of such lengths, unless so specified, but rather that each of the wires so described shall be sufficiently long to include the lengths specified."

These amendments operated to modify the Abraham formula so as to cancel from the application the statement of the scientific law defining the invention. They left as its definition the modified Abraham formula and its counterpart, the empirical formula, stating a different law which their genesis did not authorize.

[2] We think that these alterations were not permissible. *Schriber-Schroth Co.* v. *Cleveland Trust Co.*, 305 U. S. 47, 39 U. S. P. Q. 242, and that without them the invention must be taken to be limited to a structure having an angle double that disclosed by the Abraham formula, which was made the basis of the alleged invention. As already shown, neither the Abraham formula nor the empirical formula describes, or purports to describe, the directional radio activity or defines the angle which affords "the best directional propagation" of the patent for antennae of wire lengths intermediate of multiples of half wave lengths. The expert testimony shows that in fact neither formula serves that purpose. The finding of the trial court that they do not make "a correct showing of what happens when the wires are other than exact multiples of half wave lengths" is supported by the evidence. The testimony warrants the conclusion that differences in wave effect already noted,[10] when wires of other than exact multiples of half wave lengths are used, produce, through consequent changes in "radiation resistance", differences in directional radio activity not calculable by the formulae of the patent. It follows that claims 15 and 16, so far as they claim antennae of wire lengths intermediate of multiples of half wave lengths, are invalid. So far as the patent discloses and claims invention of a structure made in conformity to the Abraham formula, petitioner's structures do not infringe, for none of them conforms to the Abraham formula.

For reasons already indicated it is not material that the variations are small between the angles used by petitioner for wire lengths of multiples of quarter wave lengths and those obtained by application of the empirical formula. Further, Carter's advance over prior art was in specifying an exact angle for wires of the prescribed length. Lindenblad had indicated a preferred angle, and Bruce, before Carter, had plotted a rule of thumb graph, which the trial court found to be prior art, showing the directional radio activity of a V antenna and exhibiting relatively small variations from that of Carter. Carter, avoiding prior art by defining his angle for antennae with wires of particular wave lengths with mathematical precision, cannot discard that precision to establish infringement. *Kokomo Fence Machine Co.* v. *Kitselman*, supra; *Cimiotti Unhairing Co.* v. *American Fur Refining Co.*, supra, cf. *General Electric Co.* v. *Wabash Corp.*, 304 U. S. 364, 39 U. S. P. Q. 466.

It is unnecessary to discuss the further question whether petitioner's structures avoid infringement because the direction of their principal radio activity is not in the plane of the wires, an operative difference from the antennae described by the patent which the court below found to be due wholly to ground effect, which it thought must be assumed to be envisaged by, though not stated in, the Carter patent.

Reversed.

Mr. Justice ROBERTS took no part in the consideration or decision of this case.

[7] See note 1, supra.

[8] See note 5, supra.

[9] See note 5, supra.

[10] See note 1, supra.

U. S. Court of Customs and Patent Appeals

SCHNAIER *v.* FARR

No. 4,014. Decided December 5, 1938

[99 F.(2d) 968]

1. INTERFERENCE—EVIDENCE—PROOF OF CONCEPTION AND REDUCTION TO PRACTICE.
"It is elementary that, in order for a party to establish conception and actual reduction to practice of an invention, there must be corroborating proof of the testimony of the party with respect thereto."
2. SAME—PRIORITY.
Evidence reviewed and *Held* that the junior party F was the first to conceive and reduce the invention to practice and that priority was properly awarded to him.
3. SAME—APPEALS—RULE 153(*a*) CONSTRUED.
Held that rule 153(*a*) is limited to papers which are to become, or which it is sought to have made, a part of the record in the case, and does not include copies of the "three clearly legible typewritten copies of the record" referred to in the second paragraph of rule 162, and *Held* that the Board of Appeals properly refused to dismiss the appeal to it on the ground that appellee failed to comply with rules 162 and 153.

APPEAL from Patent Office. Affirmed.

Mr. Richard J. Cowling for Schnaier.

Mr. Ogle R. Singleton and *Mr. Charles V. Imlay* for Farr.

LENROOT, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office reversed a decision of the Examiner of Interferences awarding priority of invention of the subject matter involved to appellant, and awarded priority of invention to appellee.

The interference is between a patent issued to appellant on March 27, 1934, No. 1,952,686, upon an application filed March 28, 1931, and an application filed by appellee on October 12, 1932. Appellee copied two claims from appellant's patent for the purpose of an interference, and the interference was declared as of October 12, 1934. The issue consists of two counts corresponding to said claims copied as aforesaid; said counts read as follows:

1. A food product of the character described comprising a hollow shell imbedded in a body composed of a congealed edible substance; said shell being closed at the inner end thereof and being open at the outer end thereof exteriorly of said body, and forming a socket of substantial depth within said body for receiving a separate handle member.

2. A food product of the character described comprising a hollow shell imbedded for substantially the entire length thereof in a body composed of a frozen edible substance; said shell forming a socket within said body and having an opening thereinto contiguous to one end of

said body, and a member received at one end within said socket and projecting at the other end beyond the socket to form a handle.

Appellee being the junior party, the burden was upon him to establish priority of invention by a preponderance of evidence.

The invention in issue consists of a frozen edible product. The details of the invention are sufficiently described in the involved counts.

Preliminary statements were filed and testimony taken by both parties.

The Examiner of Interferences found that appellant conceived the invention as of February 6, 1931, with subsequent constructive reduction to practice by the filing of his application on March 28, 1931. These dates are not challenged by appellee. Said Examiner held that appellee was, under the evidence, not entitled to a date of conception earlier than April 1, 1931. He consequently held that appellant was the first to conceive and reduce to practice the invention, and therefore awarded priority to him.

Appellee appealed to the Board of Appeals. While said appeal was pending appellant moved to dismiss the appeal upon the ground that in said appeal appellee had failed to comply with rules 162, 153(*a*), and 154(*b*) of the rules of the United States Patent Office.

The Board of Appeals denied appellant's motion to dismiss the appeal, agreed with the Examiner of Interferences as to the dates of conception and reduction to practice by appellant, but after reviewing the evidence on behalf of appellee, held that he was entitled to a date for conception and reduction to practice as of September, 1930. It therefore reversed the decision of the Examiner of Interferences and awarded priority of invention to appellee. From such decision of the Board this appeal was taken.

Two issues are presented to us for decision, one a question of law respecting the rules of the Patent Office, and the other a question of fact respecting conception and reduction to practice of the invention by appellee. We will first consider the issue of fact before us.

Appellee testified that he was a member of the firm of Asael Farr & Sons Company, which was in 1930 engaged in the ice and ice cream business; that said concern first started in the ice cream business in June, 1930; that in the summer of 1930 it entered into a contract with the Popsicle Corporation, of which corporation appellant was then president, for the purchase from said corporation of certain apparatus and ingredients for the manufacture of a frozen confection called "Popsicle", as a licensee of the Popsicle Corporation under a patent owned by it; that this confection was frozen onto a stick or handle; that during the summer of 1930 appellee's firm manufactured said confection under said license; that the market season for 1930 ended about Labor Day; that appellee was very much dissatisfied with the business relations existing between his firm and the Popsicle Corporation, and was dissatisfied with the product manufactured under said license; that he desired to avoid further business relations with the Popsicle Corporation, and was anxious to produce a confection that would not infringe the said patent owned by it; that with this in view he conceived the invention here involved. He testified that "So, to make an article that wasn't frozen to a stick I had to find some way to put a stick in there that wasn't frozen in." He further testified that by enclosing the stick in a small paper bag and inserting the stick with the bag in the partially frozen confection in the mold, the bag would, upon completion of the freezing, freeze to the product, but the stick could be readily extracted; that in September, 1930, he experimented with various types of bags made by him from different kinds of paper. He testified upon this point as follows:

A. I proceeded to experiment along a new line, of freezing a frozen confection without the stick being frozen into the article. To procure this confection I devised, or thought, and used and made, a paper sack, from different kinds of paper. I used wax paper. I made up a sample, here,—wax paper. I glued them together by hand, in my office,—and we offer those in evidence,—samples of the original sticks and the sacks I used on them.

* * * * * * *

Q. What kind of paper was used? A. All kinds of paper. I tried every kind of paper that I could use. They worked satisfactorily. I froze them in the Popsicle molds,- old types of molds,—the long, cylindrical tubes they had. These are the sticks.

It is conceded that the samples above referred to and offered in evidence were not the originals used in 1930.

He further testified that he used wax paper, parchment paper, and common writing paper; that he found the article was successful; that the stick could be pulled out easily without being frozen in; that immediately after the successful demonstration of the article he got in touch with paper salesmen to ascertain if they could produce a sack small enough for the purpose of enclosing the stick. With respect to this matter he testified as follows:

* * * I immediately got in touch—or, as the paper salesmen would call on me I asked them if they could produce a sack that small. There wasn't a one that could produce it,—had a sack that size.

Q. Do you recall any salesman particularly with whom you talked at the time? A. Yes,—Mr. Turnquist, of Ogden Paper Company, who is here present, was one of those salesmen. The others I couldn't recall, because I don't know—I imagine Western Paper had one up there. I asked a number of them, but they called occasionally. Mr. Turnquist calls every week, and I can specifically remember Mr. Turnquist, because he stated that their company had none; that they didn't produce a sack of that size.

Q. You were not able to get any sacks of that size? A. No, I wasn't able to get any sacks of that size.

Appellee further testified that Messrs. Peterson, Gealta, and Shaw, then employees of the firm, witnessed the successful demonstration of the invention; that during the season of 1931 appellee's firm manufactured the product of another company, the Funny Frost Company; that the confection so produced was without sticks or handles; that during 1931 appellee experimented with the use of Cellophane bags for the purpose of securing an improved article. Upon this point he testified as follows:

Q. That was in the season of 1931? A. Yes. During that fall I experimented on the Cellophane, the Cellophane that had been on my desk for eight or ten months, that Mr. Turnquist had brought over. And then after the season was over, I started to experiment on the Cellophane, because I was not satisfied with the other, and Cellophane I couldn't make it glue.

Appellee further testified that in the fall of 1931 and spring of 1932 he used a flat stick with the Cellophane, which was successful; that he had great difficulty in securing the manufacture of bags of the proper size to enclose the holder, but finally succeeded, and that in 1933 his firm began to produce commercially the article embraced in the counts. Appellee further testified as follows:

Q. In your opinion, Mr. Farr, was it necessary to have a waterproof or moisture-proof bag? A. Yes; we had to have it moisture-proof.

Mr. Graham: Object to the question, on the grounds it calls for the opinion of the witness.

Q. Give your answer. A. It had to be moisture-proof, yes; so that the stick wouldn't freeze to the product.

[1] It is elementary that, in order for a party to establish conception and actual reduction to practice of an invention, there must be corroborating proof of the testimony of the party with respect thereto. It is the contention of appellant here that the only proof of appellee's priority consists of oral testimony given some five years after the claimed dates of the events testified to; that the corroborative testimony of various of appellee's witnesses is contradictory, and therefore appellee has not sustained the burden upon him as the junior party of establishing priority of invention by a preponderance of the evidence.

One of the principal questions involved is whether the events testified to respecting conception and reduction to practice of the invention by appellee took place in 1930 or in the spring of 1931, and subsequent thereto.

The Examiner of Interferences in his decision stated:

The evidence adduced establishes that the party Farr in 1930 had in mind and was working on the problems incident to the development of the invention in issue but fails to clearly and convincingly establish that the party Farr had in mind the use of a waterproof paper in the making of the paper bags and it is therefore clear that although the party Farr had the advantages of this invention in mind he had not in the fall of 1930 conceived a means whereby to accomplish them and cannot be accorded a conception of the invention in the fall of 1930. The witness Turnquist states the time as soon after March that he gave to the party Farr some samples of parchment and glassine paper. Parchment and glassine papers are waterproof and are therefore a means of carrying out the invention in issue. The party Farr cannot be accorded therefore a date of conception earlier than April 1, 1931, which is after the filing date of the senior party.

The Board of Appeals in its decision reversing the decision of the Examiner of Interferences, after reviewing the testimony in behalf of appellee at considerable length, stated:

It is our view from the testimony of Farr, Peterson, and Shaw, particularly together with some of the other witnesses, that Farr made a complete article of the type called for in these counts and used it successfully in September, 1930, and it is believed that he is entitled to that date for his reduction to practice. Since we have found that Farr made a reduction to practice prior to any date which the party Schnaier has alleged, we do not agree with the Examiner of Interferences that the party Schnaier was the first to conceive and reduce to practice.

The Examiner of Interferences was apparently of the opinion that, according to the testimony, the only waterproof papers used by appellee in reducing the invention to practice were parchment and glassine. We think it is fairly established by the testimony of one Turnquist, a witness in behalf of appellee, that he furnished to appellee glassine and parchment paper in the spring of 1931, and that such paper had not been used by appellee prior to that time. If there had been no reduction to practice with the use of paper other than parchment and glassine prior to appellant's entry into the field, February 6, 1931, then we would agree with the Examiner of Interferences that priority of invention should be awarded to appellant. However, appellee testifies positively to the use of wax paper (which is a waterproof paper) in September, 1930, and this testimony is corroborated by the witness Peterson. The witness testified that glassine paper was not the first paper used in appellee's experiments.

While it is true that some witnesses in behalf of appellee testified that glassine paper was used in September, 1930, appellee's counsel admit that the first established use of such paper was in the spring of 1931.

It is appellant's contention that the evidence does not establish that the events testified to by appellee and his witnesses as having taken place in 1930 did actually so take place; and that in fact it is fairly deducible from the evidence that such events did not take place until 1931, after appellant had conceived the invention and had constructively reduced it to practice in March, 1931.

Both of the Patent Office tribunals agree that the evidence establishes that appellee began work upon the invention in September, 1930, as claimed by appellee, but the Examiner of Interferences held that it was not established that appellee realized that a waterproof bag was necessary to carry out the invention until the spring of 1931. In this the Board differed with the Examiner, as we do. It seems clear that appellee quickly realized, after he began his experiments, that a waterproof bag was necessary; that he used wax paper, which is waterproof; and that the experiment proved successful in 1930.

It is true that the first documentary evidence in the record relating to appellee's activities is dated in 1932, and that no drawings embracing the invention were made prior to 1932. Appellee explains that, while he had successfully demonstrated the invention, it was not until he adopted the use of Cellophane for the bags that he was satisfied that the invention could be profitably and commercially exploited, and that he had great difficulty in securing the manufacture of bags small enough for his purpose.

With respect to the absence of drawings, it appears that the invention is very simple and it would seem that, except for patent purposes, drawings were unnecessary. We observe from the stipulated testimony in behalf of appellant that he made no drawings of his invention, other than a pencil sketch which was not introduced in evidence, prior to the preparation of his application for a patent.

It is the rule that where oral testimony alone is produced to establish a fact, and especially where such testimony is given long after the occurrence of the events testified to, such testimony will be most carefully scrutinized. *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 69 O. G. 1641; *Pflueger* v. *Jordan*, 22 C. C. P. A. (Patents) 1123, 76 F.(2d) 293, 459 O. G. 678.

It is appellant's contention that the experiments of appellee testified to by his witnesses more likely took place in 1931 than in 1930. However, the testimony clearly establishes that the contract with the Popsicle Corporation was made in June of 1930; the contract is in evidence and bears date of June 6, 1930. It further appears that the relations of the parties thereto in carrying out such contract were very unsatisfactory, and that it was for that reason appellee sought, when the 1930 season's business closed, to devise an article that would take the place of the Popsicles produced under the license from the Popsicle Corporation.

These facts clearly indicate that the events here in question took place in 1930. The Examiner of Interferences is in agreement with the Board that appellee's activities with respect to the invention began in 1930.

The fact that some of appellee's witnesses testified in effect that glassine paper was used in 1930, when such paper was not in fact used until 1931, does not in our opinion destroy the probative force of their testimony with respect to the use of wax paper in 1930.

[2] We are not convinced that the Board of Appeals erred in finding that appellee was the first to conceive and reduce the invention to practice.

With respect to appellant's motion to dismiss appellee's appeal to the Board upon the ground that appellee failed to comply with rules 162 and 153 of the rules of the Patent Office, the Board of Appeals in its decision stated:

> The party Schnaier has moved to dismiss the appeal of the party Farr on the ground that Farr has not filed the proper copies of the record as required by rule 162 within the time specified in the rule or that if they were filed, no copy of the same was given to the appellee as required under rule 153. Rule 162 provides for an extension of the time within which the specified copies should be filed and the three copies were filed by appellant on September 2, 1936. The petition to dismiss states that the party Farr gave due notice of appeal and it appears that these copies of the record required to be filed under rule 162 are not to become a part of the record and it is believed that they do not fall within the requirements of rule 153 as to the serving of every paper filed upon the other parties.

Rule 153(*a*), and so much of rule 162 as is here pertinent, read as follows:

> 153(*a*). Every paper filed in the Patent Office in contested cases must be served upon the other parties as provided in rule 154(*b*). This includes all appeals in such cases.
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> 162. • • • Where, however, a record does not exceed one hundred and twenty-five letter-sized double-spaced typewritten pages or the equivalent thereof, printing may be dispensed with upon request: *Provided, however*, that there shall be furnished, in addition to the original transcript, clearly legible copies of the typewritten testimony, which shall be certified to as being true copies by the party filing the same, one for the Office, which shall not become part of the record, and one for each adverse party, to be filed within the time specified for filing printed copies: *And provided further*, That where printing has thus been dispensed with, the appellant, if appeal is taken from the decision of the Examiner of Interferences, may file three clearly legible typewritten copies of the record, both of his own and the appellee, if the same have not been printed, and which shall not become a part of the record, within thirty days from the taking of the appeal. If the copies of the record are not filed within the time specified or within any extension thereof granted by the Board of Appeals, the appeal shall be dismissed.
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> • • • • • • •

[3] It will be observed that rule 162 expressly provides that the copies referred to in the last proviso thereof shall not become a part of the record. The provision requiring the appealing party to furnish legible typewritten copies of the record was wholly for the convenience of the Board in the performance of its duties. *United States etc.* v. *Coe*, 91 F. (2d) 238, 67 App. D. C. 207.

In view of this fact, and the further fact that it is expressly provided that the copies provided for in said last proviso of rule 162 shall not become a part of the record, we are of the opinion that such copies are not within the purview of rule 153(*a*).

While appellant contends that service of a copy upon the adverse party is necessary to enable him to verify the accuracy of the copies filed with the Board, and while this may be very desirable, we do not think that this is contemplated by the rules, and is therefore not required. We think that rule 153(*a*) is limited to papers which are to become, or which it is sought to have made, a part of the record in the case, and does not include copies of papers filed merely for the convenience of the Board.

We therefore conclude that the Board did not err in refusing to dismiss appellee's appeal to it.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,105,230, S. A. Wiltsie, Toaster, D. C., N. D. Ind. (Fort Wayne), Doc. E 58, *Westinghouse Electric & Mfg. Co.* v. *Marion Electric Co.* Dismissed on motion of plaintiff Jan. 17, 1939.

1,498,269, J. J. Harris, Adhesive material, filed Feb. 14, 1939, D. C., N. D. Ill., E. Div., Doc. 360, *J. J. Harris* v. *Forty-eight Insulations, Inc.*

1,558,922, J. S. Reilly, Ice cream sundae cone, filed Jan. 5, 1939, D. C., N. D. Ill., E. Div., Doc. 253, *D. A. Boyle et al.* v. *Northwest Cone Co. et al.*

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, appeal filed Feb. 13, 1939, C. C. A., 8th Cir., Doc. 11428, *Dean Rubber Mfg. Co. et al.* v. *F. B. Killian.*

1,608,755, McCauley & Caldwell, Propeller for aircraft; 1,693,450, E. G. McCauley, same; 1,769,775, T. A. Dicks, Hub for propeller, C. C. A., 6th Cir., Doc. 7957, *Hamilton Standard Propeller Co.* v. *The Fay-Egan Mfg. Co. et al.* Claims 2, 3, and 10 of 1,608,755 and claims 10, 11, 30, and 31 of 1,693,450 held not infringed; claims 1, 2, 3, 5, 6, 7, 8, and 9 of 1,769,775 held invalid Feb. 13, 1939.

1,689,681, A. M. Pigeon, Circular knitting machine, D. C., E. D. Pa., Doc. 7869, *Wildman Mfg. Co.* v. *Hemphill Co. et al.* Consent decree dismissing bill Feb. 8, 1939.

1,693,450. (See 1,608,755.)

1,722,773, A. B. Stewart, Portable support for electric lamps, filed Feb. 7, 1939, D. C., S. D. N. Y., Doc. 2/313, *The Chas. Fischer Spring Co.* v. *Midtown Hardware Corp. et al.*

1,763,633, N. L. Simmons, Process of making whey products, D. C., S. D. Calif. (Los Angeles), Doc. E E–3N. D., *Kraft-Phenix Cheese Corp.* v. *Dairymen's Co-operative Creamery Assn.* Dismissed Feb. 14, 1939.

1,768,121, W. A. Curtis, Dumbwaiter closing and locking device, D. C., S. D. N. Y., Doc. E 85/386, *Dumbwaiter Closer Lock Co. of N. Y., Inc.*, v. *M. Gimpel* (*Bronx Atlas Dumbwaiter Co.*). Dismissed on merits (notice Feb. 14, 1939).

1,769,775. (See 1,608,755.)

1,829,714, McElroy & Shepherd, Improvement in the art of fire fighting and fire protection, D. C., E. D. Pa., Doc. 8209, *McElroy, Shepherd & Co.* v. *American La France Foamite Corp. et al.* Stipulation of counsel dismissing action without prejudice Feb. 4, 1939.

1,848,684, H. J. Woock, Adjustable tire supporting structure for rasping and buffing machines, D. C., S. D. Calif. (Los Angeles), Doc. E 1151 Y, *Super Mold Corp. of Calif.* v. *J. F. Brown* (*Balloon Tire Mould Co.*). Dismissed for want of prosecution Feb. 9, 1939.

1,864,108, Whitehead & Porter, Synchronous motor, D. C. Del., Doc. E 1208, *Middlebury Electric Clock Corp. et al.* v. *The Hammond Clock Co.* Consent decree dismissing bill Feb. 6, 1939.

1,870,119, G. A. Hughes, Airplane, filed Feb. 14, 1939, D. C. Nebr. (Lincoln), Doc. 15, *G. A. Hughes* v. *United Air Lines, Inc.*

1,892,892, M. F. Jamar, Jr., Artificial minnow, filed Feb. 14, 1939, D. C. Ind. (South Bend), Doc. 24, *Jas. Heddon's Sons* v. *South Bend Bait Co.*

1,893,398, J. W. Chamberlain, Dry cleaning machine, filed Feb. 14, 1939, D. C., N. D. Ind. (South Bend), Doc. 24, *Bendix Home Appliances, Inc.*, v. *R. E. Bassett, Jr., et al.*

1,944,932, Gemeny & Weller, Elevator bucket, filed Dec. 8, 1938, D. C., N. D. Ind. (Hammond), Doc. 21, *Screw Conveyor Corp.* v. *B. I. Weller et al.*

1,976,511, W. Piercy, Paint applying device, filed Feb. 14, 1939, D. C., S. D. N. Y., Doc. 2/360, *A. T. Adams* v. *M. Welt et al.* (*American Products Co.*).

2,002,454, H. E. Rupp, Centrifugal self-priming pump, D. C., N. D. Ohio, E. Div., Doc. 19513, *The Gorman-Rupp Co.* v. *The Barnes Mfg. Co.* Patent held valid and infringed Feb. 14, 1939.

2,007,607, G. W. Johnson, Pressing machine and control mechanism therefor, filed Feb. 7, 1939, D. C., N. D. Ill., E. Div., Doc. 330, *The American Laundry Machinery Co.* v. *Frohwitter Machine Mfg. Co., Inc., et al.*

2,021,581, G. E. Pickup, Cabinet heater, D. C., E. D. Mich. (Detroit), Doc. 246, *Florence-Wehrle Stove Co.* v. *Lonergan Mfg. Co.* (To correct error in 500 O. G. 516, originally published as "Consent decree for plaintiff Jan. 16, 1939." Notice from clerk of court that the case has not been disposed of.)

2,036,757, J. W. Hume, Adjustable balancer for vehicle wheels, D. C., S. D. Tex. (Galveston), Doc. E 281, *P. Silvernail* v. *W. T. Currey.* Dismissed for want of equity Feb. 8, 1939.

2,082,689, B. A. Dickerson, Portable lamp, filed Feb. 3, 1939, D. C., S. D. N. Y., Doc. 2/301, *Faries Mfg. Co.* v. *Light & Power Patented Utilities Co.*

2,093,859, D. E. Austin, Vehicle body, filed Feb. 6, 1939, D. C., W. D. Wash., N. Div., Doc. 41, *Yellow Truck & Coach Mfg. Co.* v. *B. C. Motor Transportation, Ltd.*

2,119,964, L. Reichold, Electric sadiron, filed Feb. 14, 1939, D. C., S. D. N. Y., Doc. 2/364, *Winstead Hardware Mfg. Co.* v. *Samson United Corp.*

2,142,904, A. E. Lamarthe, Closing device for receptacles, filed Feb. 11, 1939, D. C., S. D. N. Y., Doc. 2/353, *Fa-Cile Fastener Corp.* v. *Fulford Mfg. Co.*

Re. 19,929, G. Slayter, Method of heat insulating, filed Jan. 17, 1939, D. C., N. D. Ill., E. Div., Doc. 268, *Slayter & Co.* v. *Standard Lime & Stone Co.* Dismissed without prejudice Jan. 17, 1939. Same, filed Jan. 24, 1939, D. C., N. D. Ill., E. Div., Doc. 287, *Slayter & Co.* v. *Standard Lime & Stone Co.*

Re. 20,301, E. F. Chittenden, Window ventilator, filed Feb. 17, 1939, D. C., N. D. Ohio, W. Div., Doc. 4337, *E. F. Chittenden* v. *The Howard Baker Co.*

Re. 20,898, A. A. Schabinger, Device for basket ball games, filed Jan. 6, 1939, D. C., N. D. Ill., E. Div., Doc. 255, *A. A. Schabinger* v. *Boston Store of Chicago, Inc.*

Des. 97,218, H. H. Wise, Bottle, filed Dec. 28, 1938, D. C., N. D. Ill., E. Div., Doc. 243, *H. H. Wise* v. *J. Konovsky* (*Kenner Specialty Co.*).

Des. 98,454, E. Conradsen, Manicurist kit, D. C., S. D. Calif. (Los Angeles), Doc. E 1146–J, *E. Conradsen* v. *Gibbs & Co.* Dismissed for want of prosecution Feb. 7, 1939.

Des. 101,517, W. T. Bentley, Drain cock, filed Feb. 7, 1939, D. C., N. D. Ohio, E. Div., Doc. 19702, *The Titan Valve & Mfg. Co.* v. *The Gluntz Brass & Aluminum Foundry Co.*

Des. 104,094, B. A. Dickerson, Portable lamp, filed Feb. 7, 1939, D. C., N. D. Ill., E. Div., Doc. 333, *Faries Mfg. Co.* v. *Park Sherman Co. et al.*

Des. 105,314, F. R. Lacy, Jr., Beverage heater, suit for declaratory judgment filed Jan. 18, 1939, D. C., N. D. Ill., E. Div., Doc. 269, *Helmco, Inc., et al.* v. *Lacy Products Corp. et al.*

Des. 105,636, S. Kurtz, Sweater ensemble, D. C., S. D. N. Y., Doc. E 85/362, *Norwalk Knitting Mills, Inc.*, v. *P. Kuhn et al.* Consent decree for plaintiff (notice Feb. 8, 1939).

Des. 105,780, I. Savodnik, Coat, D. C., S. D. N. Y., Doc. E 85/353, *Knobby Coat Co., Inc.*, v. *Haddon Hall Coats, Inc.* Doc. E 85/354, *Knobby Coat Co., Inc.*, v. *M. Hoffman Coat Co., Inc.* Consent order of discontinuance (notice Feb. 8, 1939), in both cases.

Des. 106,610, J. S. Sherman, Lamp, D. C., S. D. N. Y., Doc. E 87/108, *Shanklin Mfg. Co.* v. *A. A. Victor* (*Victor Mfg. Co.*). Consent order of discontinuance without prejudice (notice Feb. 15, 1939).

Des. 107,299, E. Fisk, Dress, D. C., S. D. N. Y., Doc. E 86167, *Camel Dress Mfg. Co., Inc.*, v. *Victor Dress Co., Inc.* Judgment dismissing bill on the merits (notice Feb. 7, 1939).

Des. 107,628, J. Greenman, Dress, D. C., S. D. N. Y., Doc. E 86/181, *Furst-Greenman, Inc.*, v. *Bachman-Klein, Inc.* Consent decree for plaintiff (notice Feb. 8, 1939).

Des. 109,332, E. S. Mix, Buckle, D. C., W. D. N. Y., Doc. 2249, *Hickok Mfg. Co., Inc.*, v. *H. E. Segelin* (*Original Pants Store*). Dismissed on stipulation Feb. 9, 1939.

Des. 109,625, H. Shurak, Slipper, filed Feb. 7, 1939, D. C., S. D. N. Y., Doc. 2/320, *Criterion Footwear, Inc.*, v. *H. Davidowitz et al.* (*Columbia Novelty Slipper Co.*).

Des. 109,759, E. F. Casey, Overshoe, D. C., S. D. Ill., N. Div., Doc. P–7, *Coverse Rubber Co.* v. *The Servus Rubber Co.* Consent decree Feb. 13, 1939.

Des. 111,866, S. Troy, Shoe, D. C., S. D. N. Y., Doc. 2/125, *Seymour Troy, Inc.*, v. *Bonwit Teller, Inc., et al.* Stipulation discontinuing action (notice Feb. 4, 1939).

Des. 112,496, T. Colenan, Dress, filed Feb. 3, 1939, D. C., S. D. N. Y., Doc. 2/297, *A. S. Gross, Inc.*, v. *Shelley Dress Co., Inc.*

T. M. 283,831, Dr. Miles Medical Co., Anti-acid effervescent preparations, D. C., N. D. Ill., E. Div., Doc. 286, *Miles Laboratories, Inc.*, v. *M. T. Maxwell et al.* Consent decree enjoining defendants (that defendant cancel registration of the words Alkalizing Seltzer registered in office of Secretary of State of Illinois) Feb. 3, 1939. Same, filed Feb. 2, 1939, D. C., N. D. Ill., E. Div., Doc. 317, *Miles Laboratories, Inc.*, v. *Purity Certified Products Co., Inc.*

Trade-Mark Registrations Canceled

187,001. Certain named articles of wearing apparel. Southern Suspender Company, Edwards, Miss. Registered July 22, 1924. Canceled April 1, 1939.

218,102. Certain named pharmaceutical preparations. Dermay Perfumers, Inc., New York, N. Y. Registered September 21, 1926. Canceled April 1, 1939.

332,384. Wheat flour. Dobry Flour Mills, Inc., Yukon, Okla. Registered February 11, 1936. Canceled March 21, 1939.

332,861. Dresses. Sheila-Lynn, Inc., New York, N. Y. Registered February 25, 1936. Canceled March 21, 1939.

346,124. Edible jelling composition for making desserts. Rebecca Margolis, doing business as Margolis Kosher Products Co., Boston, Mass. Registered May 18, 1937. Canceled April 1, 1939.

346,193. Fertilizers. Bertha S. Johnson, doing business as Montrose Chemical Co., Lowell, Mass. Registered May 18, 1937. Canceled March 21, 1939.

349,841. Electric razors. Elgin Razor Corporation, Chicago, Ill. Registered September 7, 1937. Canceled April 1, 1939.

359,184. Feminine hygiene preparation. Adelaide J. Hawley, Hollywood, Calif. Registered August 9, 1938. Canceled April 1, 1939.

Disclaimers

1,921,664.—*Edwin P. Finigan,* San Francisco, Calif. SPRINGBOARD. Patent dated August 8, 1933. Disclaimer filed March 22, 1939, by the patentee.

Hereby enters this disclaimer to claims 1, 5, and 8 of said specification.

1,943,236.—*Roy N. Giles,* Casper, Wyo. DEWAXING MINERAL OILS. Patent dated January 9, 1934. Disclaimer filed March 25, 1939, by the assignee, *Standard Oil Company.*

Hereby enters this disclaimer to claim 13 in said specification.

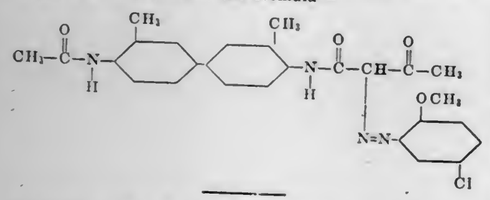
2,030,838.—*Edward G. Hill* and *Henry W. Hey,* Richmond, Va. GEAR SHIFTING MECHANISM FOR MOTOR VEHICLES. Patent dated February 11, 1936. Disclaimer filed March 17, 1939, by the assignee, *Automatic Shifters, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 5, 6, 8, and 39 in said specification.

2,043,869.—*Max Schmid,* Riehen, near Basel, Switzerland. MONOAZO DYESTUFFS. Patent dated June 9, 1936. Disclaimer filed March 23, 1939, by the assignee, *Society of Chemical Industry in Basle.*

Hereby disclaims claim 7; and

Hereby disclaims from the scope of claims 1, 2, 3, 4, 5, and 6 the dyestuff of the formula—



2,046,049.—*Earl M. Allen,* Swissvale, Pa. RAILWAY TRAFFIC CONTROLLING APPARATUS. Patent dated June 30, 1936. Disclaimer filed March 21, 1939, by the assignee, *The Union Switch & Signal Company.*

Hereby disclaims the subject matter of claims 1, 3, 9, and 20 in said patent.

2,054,454.—*Herman R. Thies* and *Theodore A. Riehl,* Akron, Ohio. MOLDED PRODUCT. Patent dated September 15, 1936. Disclaimer filed March 30, 1939, by the assignee, *Wingfoot Corporation.*

Hereby disclaims from product claims 5, 11, 12, 13, 16, and 18 all products embodying light reflecting particles other than metallic particles; and hereby disclaims from process claims 4, 6, 7, 8, 9, 10, 15, and 17 all processes using light reflecting particles other than metallic particles.

2,068,617.—*Edward Burke Wilford,* Merion, and *Elliot Daland,* Philadelphia, Pa. GYROPLANE. Patent dated January 19, 1937. Disclaimer filed March 23, 1939, by the patentees.

Hereby enter this disclaimer to claim 3 in said specification.

2,092,962.—*Horace B. Fay,* Shaker Heights, and *Nelson J. Quinn,* Toledo, Ohio. SAND BLASTING APPARATUS. Patent dated September 14, 1937. Disclaimer filed March 14, 1939, by the patentees.

Hereby enter this disclaimer to claims 1, 2, and 3 of said patent.

2,097,519.—*John C. Gabriel,* New York, and *George Rodwin,* Randall Manor, N. Y. SIGNAL TRANSMISSION SYSTEM. Patent dated November 2, 1937. Disclaimer filed March 24, 1939, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claim 1 of said Letters Patent.

Hereby disclaims from the scope of claim 2 of said Letters Patent any tuning device as therein defined except such device wherein the means forming a variable condenser in shunt with the inductive element consists of members integral with the conductors disposed one within the other.

2,127,331.—*Otho Fulton,* New York, N. Y. APPARATUS FOR USE IN FACSIMILE TRANSMITTING SYSTEMS. Patent dated August 16, 1938. Disclaimer filed March 30, 1939, by *Mae Fenster,* administratrix of the estate of *Otho Fulton,* deceased.

Hereby enters this disclaimer to claims 1 and 2, except where the convex surface of the sheet is held for scanning and except where the translating means carried by the movable member contacts the sheet on its convexly held surface and in which the plurality of clamps are pressed by spring means against the sheet; and hereby enters this disclaimer to claims 3 and 4, except where the convex surface of the sheet is held for scanning and in which the plurality of clamps are pressed by spring means against the sheet.

2,133,849.—*Yvon Delbord,* Paris, France. MEANS FOR TUNING RECEIVING SYSTEMS. Patent dated October 18, 1938. Disclaimer filed March 22, 1939, by the assignee, *General Electric Company.*

Hereby disclaims from the scope of claim 2 all means for varying the current in said output circuit in accordance with the tuning of said input circuit except where said means comprises means for varying the gain of said amplifier in response to the tuning of said input circuit to a selected station.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,060,766, Francis West, Jr., Compass, decided March 24, 1939, claims 1, 4, and 5.

Pat. 2,077,120, H. G. Lombard, Fastening means, decided February 10, 1939, claims 9, 12, 13, 14, 15, and 16.

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 18, 1939

[VOL. 501. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 387,632. RUBATEX PRODUCTS, INC., New York, N. Y. Filed Jan. 9, 1937.

ONAZOTE

For Gas Expanded Rubber.
Claims use since 1935.

Ser. No. 409,029. EASTERN CLAY PRODUCTS, INC., Elfort, Ohio. Filed July 29, 1938.

DIXIE BOND

No claim is made to the word "Bond" apart from the mark.

For Bonding Clays to Be Used as Bonding or Binding Agents for Such Purposes as Foundry and Other Sand Mould Work.
Claims use since May, 1938.

Ser. No. 411,971. SCHLESISCHE ZELLWOLLE AKTIENGESELLSCHAFT, Hirschberg/Riesengebirge, Germany. Filed Oct. 22, 1938.

PHRIX

For Textile Fibers.
Claims use since May, 1937.

Ser. No. 411,972. SCHLESISCHE ZELLWOLLE AKTIENGESELLSCHAFT, Hirschberg/Riesengebirge, Germany. Filed Oct. 22, 1938.



For Textile Fibers.
Claims use since July, 1936.

Ser. No. 413,056. WILMINGTON CHEMICAL CORPORATION, Wilmington, Del. Filed Nov. 22, 1938.

ALLOPRENE

For Viscous Liquid or Semi-Liquid Chemical Raw Material of Unsaturated Hydrocarbon Nature.
Claims use since Sept. 28, 1938.

Ser. No. 413,058. WILMINGTON CHEMICAL CORPORATION, Wilmington, Del. Filed Nov. 22, 1938.

ACIDAFFIN

For Viscous Liquid or Semi-Liquid Chemical Raw Material of Unsaturated Hydrocarbon Nature.
Claims use since Sept. 28, 1938.

Ser. No. 415,473. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 1, 1939.

BUTACITE

For Polyvinyl Acetal Resins.
Claims use since Jan. 5, 1939.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 416,073. SCHLESINGER BROS., Philadelphia, Pa. Filed Feb. 15, 1939.

TURFKIT

For Wallets.
Claims use since Dec. 3, 1938.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 409,797. WIZARD LIGHTFOOT APPLIANCE CO., doing business as Trimfoot, St. Louis, Mo. Filed Aug. 19, 1938.

TRIMFOOT

A TRIMFOOT SHOE COSMETIC

The words "Shoe Cosmetic" are disclaimed apart from the mark.
For Shoe Polishes, Shoe Cleaners, and Shoe Creams.
Claims use since July 6, 1938.

Ser. No. 414,798. THE MORTON S. PINE CO., Cleveland, Ohio. Filed Jan. 13, 1939.

K9P

For Liquid Detergent Used in Cleaning—Namely, a Cleaner for Cat and Dog Accidents.
Claims use since Sept. 1, 1938.

Ser. No. 414,926. SEALCO BY-PRODUCTS COMPANY, INC., Bluefield, W. Va. Filed Jan. 17, 1939.

SEALCO

For Silver Polish, Lens Polish, and Pulverized White Diatomaceous Earth Used as an Abrasive and Polishing Compound.
Claims use since Dec. 19, 1938.

Ser. No. 416,057. THE EMFO CORPORATION, New York, N. Y. Filed Feb. 15, 1939.

AQUASCENT

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel, Soap Powder for Bathing, Soap Flakes, Hand Soaps, and Toilet Soaps.
Claims use since Sept. 21, 1938.

Ser. No. 416,058. THE EMFO CORPORATION, New York, N. Y. Filed Feb. 15, 1939.

GENUPINE

For Saponaceous Compounds for Cleaning the Hands, Shaving Cream, Shaving Sticks, Shaving Powder, Outfit Packages Containing Soap and Towel, Soap Powder for Bathing, Soap Flakes, Hand Soaps, and Toilet Soaps.
Claims use since Sept. 21, 1938.

Ser. No. 416,329. GEORGE M. LITSCH, Mahanoy City, Pa. Filed Feb. 23, 1939.

ZADEX

For Liquid Soap and Soap Cake for Toilet Purposes.
Claims use since Jan. 16, 1939.

CLASS 5

Adhesives

Ser. No. 406,744. AMERICAN BRUSH CORPORATION, Chicago, Ill. Filed May 26, 1938.

Craftway

For Wheat Paste and Cold Water Size for Use on Walls.
Claims use since Feb. 10, 1937.

Ser. No. 412,402. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Filed Nov. 5, 1938.

American Brakeblok

No claim is made to the word "American" apart from the mark.
For Adhesive Cement for Securing Friction Elements for Use in Brakes and Clutches to the Supports Therefor.
Claims use since July 13, 1938.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 401,104. ETTA PERFUMES, New York, N. Y. Filed Dec. 21, 1937.

UN SOUVENIR DE BUDAPEST
ETTA

No claim is made to the phrase "Un Souvenir de Budapest" except as shown or to the representation of the label per se.
For Perfumes, Eau de Cologne, Face Powders, Face Creams, Bath Salts, Rouge, Lipstick.
Claims use since Nov. 15, 1937.

Ser. No. 403,391. THE AUTOMATIC GASFLUX COMPANY, Cleveland, Ohio. Filed Feb. 25, 1938.

GASFLUX

For Chemical Agent Prepared in Liquid Form for Use in Metal Welding and Brazing Apparatus and Processes.
Claims use since Aug. 1, 1937.

Ser. No. 413,090. EDW. H. HUFNAGEL, doing business as Norma Chemical Company, Mount Vernon, N. Y. Filed Nov. 22, 1938.

NORMA

For Boiler Compounds, Soot Destroyers, and Rust Solvents.
Claims use since May, 1938.

Ser. No. 413,824. FAEM PRODUCTS, Pittsburgh, Pa. Filed Dec. 14, 1938.

faem

For Lotions and Other Preparations for External Application in the Treatment of Sore Muscles, Sunburn, Ringworm, Athlete's Foot, Insect Bites, Ivy Poisoning, Chafed Skin, and Bruises.
Claims use since Oct. 10, 1938.

Ser. No. 414,243. TITAN CO. A/S, Fredrikstad, Norway. Filed Dec. 27, 1938.

KROTIOX

For Oxides, Hydroxides, and Other Salts of Metals, Particularly of Titanium, Barium Sulphate (Blanc Fixe), and Calcium Sulphate for Use in Industry, Photography, Medicine, and Pharmacy, and Pigments Used in the Manufacture of Rubber, Floor Coverings, Paper, and Cosmetics.
Claims use since Apr. 20, 1938.

Ser. No. 414,244. TITAN CO. A/S. Fredrikstad, Norway. Filed Dec. 27, 1938.

RUTIOX

For Oxides, Hydroxides, and Other Salts of Metals, Particularly of Titanium, Barium Sulphate (Blanc Fixe), and Calcium Sulphate for Use in Industry, Photography, Medicine, and Pharmacy, and Pigments Used in the Manufacture of Rubber, Floor Coverings, Paper, and Cosmetics.
Claims use since Apr. 20, 1938.

Ser. No. 414,763. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Jan. 12, 1939.

CASCADE

For Oxygen.
Claims use since July 22, 1938.

Ser. No. 415,645. GLEX CORPORATION, Wheaton, Ill. Filed Feb. 6, 1939.

GLEX

For Cough Squares.
Claims use since Oct. 12, 1938.

Ser. No. 415,660. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 6, 1939.

NETHAMINE

For Preparation for the Treatment of Asthma, Hay Fever, and Related Conditions.
Claims use since Feb. 2, 1939.

Ser. No. 415,710. FELTON CHEMICAL CO. INC., New York, N. Y. Filed Feb. 7, 1939.

SUNAROME

For Natural and Synthetic Essential Oils and Aromatic Chemicals Used in the Manufacture of Toilet Preparations.
Claims use since Jan. 27, 1939.

Ser. No. 415,734. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Feb. 7, 1939.

MONINE

For Local Anesthetic Material Made in Solution, Powdered, or Tablet Forms.
Claims use since Dec. 17, 1938.

Ser. No. 415,735. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Feb. 7, 1939.

UNACAINE

For Local Anesthetic Material Made in Solution, Powdered, or Tablet Forms.
Claims use since Dec. 17, 1938.

Ser. No. 415,838. HYMAN DICKMAN, doing business as Olpen Products, Washington, D. C. Filed Feb. 9, 1939.

OLPEN

For Antiseptic Oil for the Protection of the Skin.
Claims use since Jan. 14, 1939.

Ser. No. 415,952. MASTIN PRODUCTS, INC., New York, N. Y. Filed Feb. 11, 1939.

EYE-OPENERS

For Device Impregnated with Lotion to be Applied to the Eyes.
Claims use since Mar. 1, 1938.

Ser. No. 415,953. MASTIN PRODUCTS, INC., New York, N. Y. Filed Feb. 11, 1939.

EYE-SPY

For Eye Lotion.
Claims use since Mar. 1, 1938.

Ser. No. 415,960. FRANK J. NIGHTINGALE, doing business as Community Health Foundation, San Diego, Calif. Filed Feb. 11, 1939.

Maro-Glan

For Tonic Laxative.
Claims use since Feb. 6, 1939.

Ser. No. 415,978. FRANCES DENNEY, Philadelphia, Pa. Filed Feb. 13, 1939.

UNDER-TONE

For Toilet Preparations—Namely, Lotions, Creams, Face Powder, Lipstick, and Rouge.
Claims use since Jan. 17, 1939.

Ser. No. 415,982. FOUR PENNY PRODUCTS CO., Chicago, Ill. Filed Feb. 13, 1939.





The trade-mark "Don't Scratch" is disclaimed apart from the mark. The drawing is lined for red. The portraits are fanciful.
For Dandruff Remover Shampoo and Dandruff Remover Tonic.
Claims use since November, 1936.

Ser. No. 415,995. MORTON G. NEUMANN, doing business as Famous Products Co., Chicago, Ill. Filed Feb. 13, 1939.



For Incense, Liquid Perfume, Solid Perfume, and Sachet Powder.
Claims use since Nov. 2, 1937.

Ser. No. 416,056. THE EMFO CORPORATION, New York, N. Y. Filed Feb. 15, 1939.

AQUASCENT

For Astringents, Beauty Creams, Cold Creams, Refreshing Creams, Vanishing Creams, Dry Rouges, Liquid Rouges, Face Packs, Eye Lotions, Eyebrow Pencils, Hand Lotions, Skin Lotions, After-Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Hair Tonics, Hair Oils, Shampoos, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Lip Stick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Eau de Cologne, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Sept. 21, 1938.

Ser. No. 416,059. THE EMFO CORPORATION, New York, N. Y. Filed Feb. 15, 1939.

GENUPINE

For Astringents, Beauty Creams, Cold Creams, Refreshing Creams, Vanishing Creams, Dry Rouges, Liquid Rouges, Face Packs, Eye Lotions, Eyebrow Pencils, Hand Lotions, Skin Lotions, After-Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Hair Tonics, Hair Oils, Shampoos, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Lip Stick Removers, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Eau de Cologne, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Sept. 21, 1938.

Ser. No. 416,096. WILLIAM FELS, doing business as Century Drug Company, New York, N. Y. Filed Feb. 16, 1939.

PARAFEMIN

For Emmenagogue Tablets.
Claims use since Feb. 8, 1939.

Ser. No. 416,097. WILLIAM FELS, doing business as Century Drug Company, New York, N. Y. Filed Feb. 16, 1939.

PARAVIGOR

For Aphrodisiac Tablets.
Claims use since Feb. 8, 1939.

Ser. No. 416,129. ANDREW G. SUMMERS, Portales, N. Mex. Filed Feb. 16, 1939.

A. G. Summers

The mark is a facsimile signature of the applicant.
For Medicinal Preparation for the Relief of Hay Fever.
Claims use since July, 1937.

Ser. No. 416,146. HY-PURE LABORATORIES, INC., Cincinnati, Ohio. Filed Feb. 17, 1939.

PEPPETS

For Laxative in Tablet Form.
Claims use since Jan. 1, 1929.

Ser. No. 416,154. AUGUST A. MEYER, doing business as Cut Flower Food Co., not inc., Maywood, Ill. Filed Feb. 17, 1939.

BLOOMLIFE

For Composition Containing Chemical Ingredients for Strengthening, Sterilizing, Feeding, and Promoting the Development of Cut Plants and Adapted to be Added to Water in Which Plants are Immersed.
Claims use since Feb. 1, 1939.

Ser. No. 416,155. CHARLES G. NESSLER, doing business as Charles G. Nessler Company, New York, N. Y. Filed Feb. 17, 1939.

NESSLER'S *Sparkle-Rinse*

The words "Rinse" and "Nessler's" are disclaimed apart from the mark.
For Color Rinse for the Hair.
Claims use since Feb. 14, 1939.

Ser. No. 416,177. CLIFFORD J. BOWER, doing business as Larasol Laboratories, Galesburg, Ill. Filed Feb. 18, 1939.

Larasol

For Antiseptic and Mouth Wash for Use in the Treatment of Common Sore Throat, Hoarseness, Simple Inflammation of Oral Tissues, Halitosis, and for the Relief of Sensitiveness After Extractions and Discomforts of Teething.
Claims use since July, 1936.

Ser. No. 416,189. INDEPENDENT PHARMACY, Eclectic, Ala. Filed Feb. 18, 1939.

COLMUSGO

For Mustard Ointment for the Treatment of Common Chest Colds, Headaches, Muscular Pains, Sore Muscles, Neuralgia, Etc.
Claims use since Sept. 1, 1937.

Ser. No. 416,240. THE AUTOMATIC GASFLUX COMPANY, Cleveland, Ohio. Filed Feb. 20, 1939.

Flameflux

For Chemical Agent Prepared in Liquid Form for Use in Metal Welding and Brazing Apparatus and Processes.
Claims use since Jan. 11, 1939.

Ser. No. 416,261. THE CHARLES MARCHAND COMPANY, New York, N. Y. Filed Feb. 20, 1939.

SUSPENSE

For Perfumes.
Claims use since Nov. 21, 1938.

Ser. No. 416,507. DANIEL GIAQUINTO, Woodside, N. Y. Filed Feb. 28, 1939.



No claim is made to the representation of the spool per se. The drawing is lined for blue.
For Adhesive Remover Preparation.
Claims use since Jan. 6, 1939.

Ser. No. 416,648. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Mar. 3, 1939.

LUMINOL

For Dyes and Dyestuffs.
Claims use since Feb. 15, 1939.

Ser. No. 416,746. ROCHE-ORGANON, INC., Nutley, N. J. Filed Mar. 6, 1939.



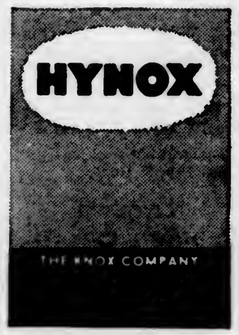
For Medicinal Preparations Used in Hormone Therapeutics.
Claims use since Feb. 1, 1938.

Ser. No. 416,762. BREWER & COMPANY, INC., Worcester, Mass. Filed Mar. 7, 1939.

VITAPAN

For Capsule Indicated in the Treatment of Vitamin Deficiency.
Claims use since Nov. 5, 1938.

Ser. No. 416,804. THE KNOX COMPANY, Los Angeles, Calif. Filed Mar. 8, 1939.



For Preparations Used in and for the Treatment of All Such Pathological or Physical Conditions as May Result From High Blood Pressure.
Claims use since Oct. 1, 1937.

Ser. No. 416,815. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa. Filed Mar. 8, 1939.

DRI-KNIT

For Oleaginous Preparation Used for Softening, Lubricating, and Conditioning Silk and Rayon Yarn for Knitting.
Claims use since Jan. 16, 1939.

Ser. No. 416,921. SCHERING CORPORATION, Bloomfield, N. J. Filed Mar. 10, 1939.

PRANTURON

For Medicinal Preparation for Use in Glandular Deficiencies.
Claims use since Mar. 6, 1939.

CLASS 12

Construction Materials

Ser. No. 393,686. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed June 5, 1937.



The word "Cement" is disclaimed apart from the mark.
For Hydraulic Cement.
Claims use since Mar. 10, 1927.

Ser. No. 416,191. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Feb. 18, 1939.

PERMACOUSTIC

For Monolithic Acoustical Tile.
Claims use since Oct. 7, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 401,476. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed Jan. 3, 1938.



For Valves Intended to be Used on the Overflow Pipe of an Automobile Radiator.
Claims use since Aug. 20, 1937.

Ser. No. 410,494. PARROT SPEED FASTENER CORPORATION, New York and Long Island City, N. Y. Filed Sept. 10, 1938.

Swingline

For Machine Staples.
Claims use since June 2, 1937.

Ser. No. 412,689. ALUMINUM GOODS MFG. CO., Manitowoc, Wis. Filed Nov. 14, 1938.

Percolette

For Base Metal Coffee Percolators.
Claims use since Oct. 22, 1938.

Ser. No. 414,993. W. T. GRANT COMPANY, New York, N. Y. Filed Jan. 19, 1939.

Wearite

For Enameled Steel Cooking Hollowware.
Claims use since June 21, 1937.

Ser. No. 415,349. PHILSTAN PRODUCTS COMPANY, Philadelphia, Pa. Filed Jan. 28, 1939.

FLO

For Slide Fasteners.
Claims use since Jan. 26, 1939.

Ser. No. 415,351. EDWARD A. REISER, Dayton, Ohio. Filed Jan. 28, 1939.

SHELLESS

For Egg Cookers.
Claims use since December, 1935.

Ser. No. 415,513. JOSEPH A. KAPLAN INC., New York, N. Y. Filed Feb. 2, 1939.

Shadowphane

For Shower Curtains.
Claims use since Jan. 8, 1937.

Ser. No. 415,636. COBBS, HAMILTON COMPANY, Des Moines, Iowa. Filed Feb. 6, 1939.

NUWAY

For Wall Knife Holding Racks.
Claims use since Apr. 3, 1938.

Ser. No. 416,208. SNELL-JONES TACK CORPORATION, Brockton, Mass. Filed Feb. 18, 1939.

PRESTO

For Glaziers' Points.
Claims use since Dec. 15, 1938.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 411,861. FEDERAL-MOGUL CORPORATION, Detroit, Mich. Filed Oct. 21, 1938.

BERMAX

For Bearing Metal Alloys and Unfinished or Partly Finished Castings and Forgings of Non-Ferrous Metals.
Claims use since Sept. 13, 1937.

Ser. No. 412,396. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio. Filed Nov. 4, 1938.

DM

For Steel in the Form of Billets.
Claims use since Oct. 2, 1937.

Ser. No. 414,476. VIKING STEEL CORPORATION, New York, N. Y. Filed Jan. 3, 1939.



No claim is made to the word "Steel" apart from the mark.
For Steel.
Claims use since Aug. 1, 1925.

CLASS 15

Oils and Greases

Ser. No. 412,002. MARITIME OIL COMPANY, Houston, Tex. Filed Oct. 24, 1938.



Applicant disclaims "Maritime" apart from the mark.
For Gasoline, Diesel Fuel Oils, Lubricating Oils, Kerosene, and Lubricating Greases.
Claims use since July 1, 1932.

Ser. No. 416,393. SWAN-FINCH OIL CORPORATION, New York, N. Y. Filed Feb. 24, 1939.

SWAN PENN

The word "Penn" is disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Feb. 24, 1933.

CLASS 16

Paints and Painters' Materials

Ser. No. 414,132. TRU TEST MARKETING & MERCHANDISING CORP., Chicago, Ill. Filed Dec. 22, 1938.

TRU-TEST

For Lacquer, Putty, Touch-Up Enamel, Automobile Polish Having Incidental Cleaning Properties, and Auto Wax.
Claims use since July, 1937.

Ser. No. 414,888. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Jan. 16, 1939.

PABCO

For Ready Mixed Liquid, Paste, and Emulsified Paints; Paint Enamels, Lacquers, Varnishes, Pigments Ground in Oil or in Dry Form; Paint and Varnish Oils; Thinners for Paints, Varnishes, and Oils; Undercoaters and Primers; Ready to Mix and Ready Mixed Flaked Metal Paints; Cold Water Paints and Calcimine; Paint, Enamel, and Varnish Removers; Paint, Enamel, and Varnish

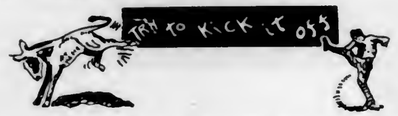
Driers; Putty; Bituminous Paints; Preservative, Fungicidal, and Termite Treatment Paints; and Paints Containing Asbestos Fibres.
Claims use since July 1, 1904.

Ser. No. 415,088. O'ROURKE BROTHERS CO., INC., Paterson, N. J. Filed Jan. 21, 1939.

O'Rodyr

The drawing is lined for red.
For Paints for Use on Fabrics.
Claims use since Jan. 10, 1939.

Ser. No. 415,796. PROGRESS PAINT MANUFACTURING COMPANY, Louisville, Ky. Filed Feb. 8, 1939.



For Ready-Mixed Paint, Varnish, and Enamel for Inside and Outside Wooden Floors, Concrete Floors, Composition Floors, Porches, and Linoleum.
Claims use since Jan. 27, 1939.

Ser. No. 416,367. CATALIN CORPORATION, New York, N. Y. Filed Feb. 24, 1939.

CATAVAR

For Resins to be Used in Fabrication of Varnish and the Like.
Claims use since Apr. 13, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 403,246. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 21, 1938.



For Heaters Utilizing Hot Fluid from the Engine for Motor Vehicles of All Types.
Claims use since Dec. 2, 1937.

Ser. No. 408,410. EDWARD S. MARNON, Portland, Oreg. Filed July 11, 1938.



For Lift-Trucks.
Claims use since Apr. 15, 1938.

Ser. No. 415,189. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 24, 1939.

TU-TEX

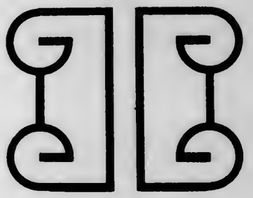
For Seat Covers Especially Suitable for Automobiles.
Claims use since Mar. 6, 1937.

Ser. No. 416,211. THE TIRE AND RIM ASSOCIATION, INC., Cleveland, Ohio. Filed Feb. 18, 1939.



For Vehicle Wheels, and Rims for Vehicle Wheels.
Claims use since Jan. 15, 1915.

Ser. No. 416,212. THE TIRE AND RIM ASSOCIATION, INC., Cleveland, Ohio. Filed Feb. 18, 1939.



For Vehicle Wheels, and Rims for Vehicle Wheels.
Claims use since Oct. 15, 1912.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 415,278. J. SCHRADER COMPANY, Cleveland, Ohio. Filed Jan. 27, 1939.

NITE-OWL

For Electric Bed Lamps.
Claims use since Jan. 16, 1939.

Ser. No. 415,961. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo. Filed Feb. 11, 1939.

DRITHERM

For Electric Lamps.
Claims use since Feb. 1, 1939.

Ser. No. 415,971. TRIPPE MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 11, 1939.



For Electric Head Lamps for Vehicles.
Claims use since Oct. 1, 1929.

Ser. No. 415,977. CONTINENTAL RADIO & TELEVISION CORP., Chicago, Ill. Filed Feb. 13, 1939.

Aeroscope

For Radio Circuit Unit Acting Also as an Antenna.
Claims use since Dec. 20, 1938.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 416,394. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Feb. 24, 1939.



FALCON

For Playing Cards.
Claims use since Feb. 3, 1932.

Ser. No. 416,588. W. S. TOWNSEND, Miami Beach, Fla. Filed Mar. 1, 1939.

Jumble-Umble

For Games Involving the Use of Cards.
Claims use since Jan. 27, 1939.

Ser. No. 416,827. AMERICAN CHARACTER DOLL CO. INC., New York, N. Y. Filed Mar. 9, 1939.

Junior Deb

For Dolls.
Claims use since Feb. 8, 1939.

Ser. No. 416,967. FRANK B. ROBB, doing business as Triad Manufacturing Company, Chagrin Falls, Ohio. Filed Mar. 11, 1939.

KIDDIE KRAFTSMAN

For Children's Combination Desk and Peg and Nailing Design Play Sets.
Claims use since Nov. 1, 1938.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 403,244. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 21, 1938.

EVANS

For Grade Crossing Protectors of the Barrier Type, Which are Designed to be Operated Automatically by Approaching Trains.
Claims use since Dec. 13, 1937.

Ser. No. 405,307. BEAN TIRE & RUBBER WORKS, San Jose, Calif. Filed Apr. 15, 1938.

BLACK WIDOW

For Rubber Spider, an Accessory Which is Used for Supporting the Tube Line in Turbine Water Pumps.
Claims use since Feb. 19, 1937.

Ser. No. 416,025. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Filed Feb. 15, 1939.

A-B-K

For Composition Bearings, Machinery Shaft Couplings, and Slides for Use With Reciprocating Parts of Machinery, on Elevators and the Like.
Claims use since Dec. 21, 1936.

Ser. No. 416,064. HELLER BROTHERS COMPANY, Newark, N. J. Filed Feb. 15, 1939.



For Files.
Claims use since Mar. 14, 1908.

Ser. No. 416,339. REMINGTON RAND INC., Buffalo, N. Y. Filed Feb. 23, 1939. Under 10-year proviso.

Remington

For Typewriters and Parts Thereof.
Claims use since 1880.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 403,243. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 21, 1938.

EVANS

For Pressure and Thermostatic Regulating Valve for Use in the Water Cooling Systems of Internal Combustion Engines.
Claims use since Dec. 2, 1937.

Ser. No. 413,953. VERNON P. LONG, Berkeley, Calif. Filed Dec. 17, 1938.

THE EYES HAVE IT
TRADE MARK
UNDERSTAND REMEMBER

The word "Trade-Mark" is disclaimed.
For Filmslides and Motion Picture Film.
Claims use since September, 1935.

Ser. No. 415,536. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 3, 1939.

ARCWAY

For Ophthalmic Mountings and Parts Thereof.
Claims use since Jan. 18, 1939.

Ser. No. 415,537. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Feb. 3, 1939.

TOPRIM

For Ophthalmic Mountings and Parts Thereof.
Claims use since Jan. 18, 1939.

Ser. No. 416,017. HENRY L. SCOTT COMPANY, Providence, R. I. Filed Feb. 14, 1939.

I-P

For Tension, Compression, and Fatigue Testing Machines.
Claims use since Jan. 14, 1935.

CLASS 27

Horological Instruments

Ser. No. 410,166. LUDWIG BAUMANN & COMPANY, New York, N. Y. Filed Sept. 1, 1938.

Le Beaux

For Watches.
Claims use since July 12, 1938.

Ser. No. 414,471. A. SCHILD S. A., Grenchen, Switzerland. Filed Jan. 3, 1939.

AS

For Watch Movements.
Claims use since Mar. 24, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 404,296. DODGE, INCORPORATED, Los Angeles, Calif. Filed Mar. 21, 1938.

KING GEORGE II

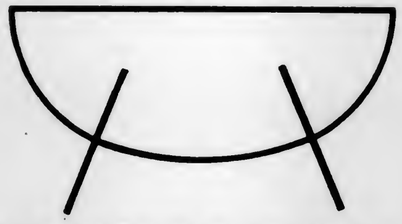
For Precious-Metal Plated Tableware Including Flatware, Hollow Ware and the Like.
Claims use since January, 1937.

Ser. No. 415,272. TRABERT & HOEFFER INC., New York, N. Y. Filed Jan. 26, 1939.

STAR of INDRA

For Cat's-Eyes.
Claims use since Dec. 1, 1938.

Ser. No. 416,067. GEORG JENSEN & WENDEL A/S, Copenhagen, Denmark. Filed Feb. 15, 1939.



For Bracelets, Brooches, and Other Jewelry for Personal Wear Not Including Watches, Trays, Teapots, Coffeepots, Dishes, Plates, Vases, Jars, Pitchers, Sugarbasins, Creamjugs, Cups, Waterjugs, Bowls, Center Ornaments for Tables, Spoons, Knives, Forks, Cigarette Cases, Signets or Seals, Jugs and Mugs, Tableware, and Toiletware, All Made of or Plated With Silver, Gold, Platinum, and Other Precious Metals.
Claims use since Jan. 27, 1939.

Ser. No. 416,498. AMERICAN JEWELRY CHAIN COMPANY, Providence, R. I. Filed Feb. 28, 1939.

AJ C CO

For Jewelry Chains, Such as Neck Chains, Watch Chains, Key Chains, Sport and Safety Chains for Watches, Anklets, Eyeglass Chains, and Sautoirs.
Claims use since June, 1932.

Ser. No. 416,562. HERMES, S. A., Paris, France. Filed Mar. 1, 1939.

HERMES

For Jewelry for Personal Wear or Adornment Not Including Watches, Precious Stones, Gold Knives, Silver Knives, Jewel Cases, Vanity Cases, Cigarette Cases, Badges, Medals, Cocktail Sets, and Port Sets Made Wholly or in Part of Precious Metal; and Flatware and Tableware Made Wholly or in Part of Precious Metal.
Claims use since Dec. 1, 1936.

Ser. No. 416,655. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Mar. 3, 1939.

DEL MAR

For Silver Plated Flatware and Hollowware.
Claims use since Dec. 9, 1938.

Ser. No. 416,927. TOWLE MANUFACTURING COMPANY, Newburyport, Mass. Filed Mar. 10, 1939.

OLD LACE

For Silver and Silver Mounted Flatware (Implements With a Handle or Finger Hold For Culinary, Feeding, Serving, or Personal Use); and Silver and Silver Mounted Hollow Ware (Vessels, Plates, Platters, Carriers, Covers, and Supports For Storing, Holding or Covering Foods, Liquids, or Commodities).
Claims use since Mar. 6, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 416,276. THE WESTERN SHADE CLOTH CO., Chicago, Ill. Filed Feb. 20, 1939.

VICTOR

For Window Shades and Rollers.
Claims use since 1897.

Ser. No. 416,370. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Feb. 24, 1939.

CRESCENT

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Jan. 1, 1915.

Ser. No. 416,998. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Mar. 13, 1939.

METALITE

For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Feb. 1, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 414,135. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 23, 1938.

ANEMO-PLAK

For Air Distributors and Diffusers For Ventilating Systems.
Claims use since Nov. 15, 1938.

Ser. No. 415,572. AIR-MAZE CORPORATION, Cleveland, Ohio. Filed Feb. 4, 1939.

Kleenflo

For Air Filtering Panels.
Claims use since Jan. 16, 1939.

Ser. No. 415,617. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Feb. 4, 1939.

SPIRALAIRE

For Oil Burners.
Claims use since Jan. 6, 1939.

Ser. No. 416,389. SHERWOOD BROTHERS INCORPORATED, Baltimore, Md. Filed Feb. 24, 1939.

Richeet

For Automatic Fuel Oil Burners For Central Heating Plants.
Claims use since Feb. 2, 1939.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 410,462. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Sept. 12, 1938.

SWAMP

BUGGY

For Resilient Tires of Rubber or Rubber Composition or Rubber and Fabric for Automobiles, Trucks, and Tractors.
Claims use since January, 1936.

Ser. No. 416,672. TOLEDO TIRE CORPORATION, Toledo, Ohio. Filed Mar. 3, 1939.

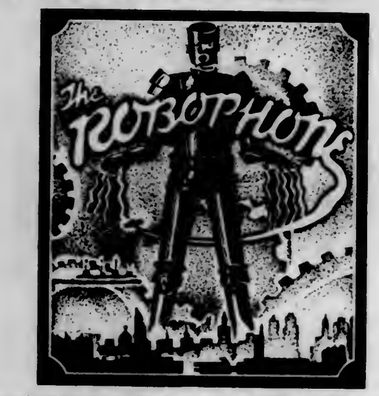
KEYSTONE

For Pneumatic Tires and Tubes for Vehicle Wheels.
Claims use since Sept. 25, 1938.

CLASS 36

Musical Instruments and Supplies

Ser. No. 398,884. AUTOMATIC INSTRUMENT COMPANY, Grand Rapids, Mich. Filed Oct. 25, 1937.



For Combination Phonograph and Timed Electrical Circuit Closing Means for the Control of Certain Mechanical and Electrical Display Means Synchronized with its Own Reproduction of Sound Records.
Claims use since Feb. 1, 1935.

Ser. No. 403,001. ELECTRO ACOUSTIC PRODUCTS CO., Fort Wayne, Ind. Filed Feb. 14, 1938.

Magnavox

Duette

For Phonograph and Radio Combination.
Claims use since Dec. 28, 1937.

CLASS 37

Paper and Stationery

Ser. No. 403,731. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Mar. 5, 1938.

VIKING

For Veneer Paper Tape.
Claims use since Jan. 10, 1938.

Ser. No. 408,024. EUGENE K. KRAKAUR, Roosevelt, N. Y. Filed July 26, 1938.



PACKAGE SEALER

The words "Package Sealer" are disclaimed.
For Package Sealers.
Claims use since September, 1936.

Ser. No. 414,629. M. A. FERST, LTD., Atlanta, Ga. Filed Jan. 9, 1939.

SHOCKPRUF

For Lead Pencils, Mechanical Pencils, and Pencil Leads.
Claims use since Sept. 16, 1938.

Ser. No. 415,202. PHILADELPHIA ACCEPTANCE CORPORATION, Philadelphia, Pa. Filed Jan. 23, 1939.

PAC

For Blank Forms for Acceptances, Negotiable Instruments, Bills of Exchange, Notes, Warehouse Receipts, Contracts, Statements, and Declarations.
Claims use since Feb. 3, 1938.

Ser. No. 415,242. BERMINGHAM & PROSSER CO., Chicago, Ill. Filed Jan. 26, 1939.

TEXTONE

For Art Papers Used for Drawings and to Receive Printed Matter.
Claims use since Mar. 24, 1938.

Ser. No. 415,416. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Jan. 30, 1939.

Satinette

For Cleansing Tissues.
Claims use since May 1, 1933.

Ser. No. 415,470. HALLE COHEN, Jacksonville, Fla. Filed Feb. 1, 1939.

Travelgraphs

For Blank Books.
Claims use since Sept. 20, 1938.

Ser. No. 415,565. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Jan. 30, 1939.

NORTHERN
FACIAL TISSUES

No claim is made to the words "Facial Tissues" apart from the mark. The drawing is lined for green, an essential feature of the mark.
For Facial Tissue.
Claims use since Oct. 21, 1938.

CLASS 38

Prints and Publications

Ser. No. 403,608. NATIONAL OIL MARKETERS ASSOCIATION, Washington, D. C. Filed Mar. 2, 1938.

Oilnotes

For Magazine.
Claims use since Jan. 15, 1938.

Ser. No. 415,760. P. T. BIRCHARD, Seattle, Wash. Filed Feb. 8, 1939.

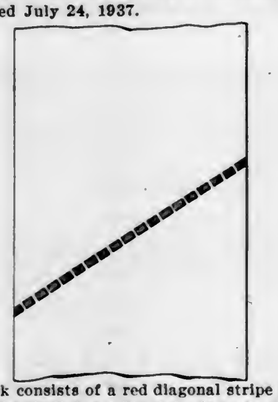


For Trade Magazine Published Monthly.
Claims use since Dec. 18, 1938.

CLASS 39

Clothing

Ser. No. 395,607. BOWEN-INGALLS & CO., INC., New York, N. Y. Filed July 24, 1937.



Trade-mark consists of a red diagonal stripe placed near the ends of the tie lining. No claim is made to the representation of the necktie lining per se.
For Men's Neckties.
Claims use since July 1, 1937.

Ser. No. 402,226. G. R. KINNEY CO., INC., New York, N. Y. Filed Jan. 22, 1938.



The name "Joe Lapchick" is a facsimile of the signature of Joe Lapchick.
For Shoes Made of Leather, Fabric, and Combinations of Leather, Fabric, and Rubber, and Hosiery.
Claims use since Sept. 15, 1936.

Ser. No. 402,227. G. R. KINNEY CO., INC., New York, N. Y. Filed Jan. 22, 1938.



The name "Berkeley Bell" is a facsimile of the signature of Berkeley Bell.
For Shoes Made of Leather, Fabric, and Combinations of Leather, Fabric, and Rubber, and Hosiery.
Claims use since Jan. 15, 1937.

Ser. No. 402,659. THE WOODSTOCK RUBBER COMPANY LIMITED, Woodstock, Ontario, Canada. Filed Feb. 3, 1938.

NUFLITE

For Boots, Shoes, and Slippers Made of Rubber, Fabric, and Leather and/or Combinations of Said Materials.
Claims use since Nov. 12, 1937.

Ser. No. 409,804. PAUL BUNYAN, INC., St. Paul, Minn. Filed Aug. 20, 1938.



Paul Bunyan is a legendary character.

For Hats, Jackets, and Snow Suits Intended for the Use of Men, Women, and Children; and Dress and Work Shirts.

Claims use since June 1, 1935, on hats and jackets; since June 11, 1935, on dress and work shirts; since July 13, 1935, on snow suits.

Ser. No. 411,053. SIGBERT GUT, doing business as Sigbert Gut, Cortesca Je[illegible] Manufaktur, Zurich, Switzerland. Filed Sept. 28, 19[illegible]

CORTESCA

For Women's, Misses', and Children's Dresses, Underwear, and Bathing Suits, and Underwear and Bathing Suits for Men.

Claims use since October, 1926.

Ser. No. 411,093. HASPEL BROS., INC., New Orleans, La. Filed Sept. 29, 1938.

FRIO-WEAVE

The word "Weave" is disclaimed apart from the mark.

For Men's Suits.

Claims use since July 7, 1938.

Ser. No. 411,482. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Oct. 11, 1938.

GABALITE

For Men's Suits.

Claims use since Apr. 12, 1937.

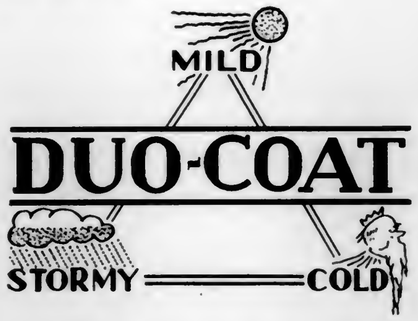
Ser. No. 412,820. LOFTY G. M. B. H., Zurich, Switzerland. Filed Nov. 16, 1938.

Lofty

For Caps and Hats for Men, Women, and Children.

Claims use since Apr. 15, 1937.

Ser. No. 412,837. S. WEITZ & COMPANY, INC., Cleveland, Ohio. Filed Nov. 16, 1938.



The words "Duo-Coat", "Mild", "Stormy", and "Cold" are disclaimed except as shown.

For Men's, Women's, and Children's Coats.

Claims use since June 14, 1938.

Ser. No. 413,325. WENDER & GOLDSTEIN, INC., New York, N. Y. Filed Nov. 30, 1938.



The word "Moth" is disclaimed apart from the mark.

For Men's Uniforms for Police, Firemen, Letter Carriers, Army, Navy, Schools, Hotels, Theatres, Bands, Waiters, Apartments, Steamships, Yachting, Bus Drivers, Chauffeurs, Doctors, Dentists, and Riding Habits.

Claims use since Aug. 23, 1937.

Ser. No. 413,473. DICKERSON & COMPANY, Detroit, Mich. Filed Dec. 5, 1938.

CHAPEAU COROT

No claim is made to the word "Chapeau" apart from the mark.

For Men's Hats.

Claims use since Feb. 15, 1933.

Ser. No. 413,676. SOLOMON JACOBSON, doing business as I. Jacobson & Son, Lynbrook, N. Y. Filed Dec. 10, 1938.

Pedi-Guard

For Footwear—Namely, Leather Shoes, Rubber Shoes, Canvas Shoes, Slippers, Stockings, and Socks.

Claims use since June 15, 1938.

Ser. No. 414,188. HERPOLSHEIMER COMPANY, Grand Rapids, Mich. Filed Dec. 24, 1938.

BeautiPoise

For Women's Shoes Made of Leather, Fabric, or Combinations Thereof.

Claims use since Sept. 10, 1938.

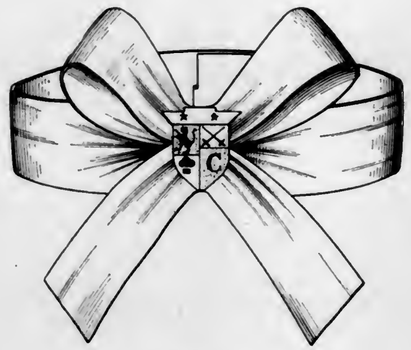
Ser. No. 414,277. LOUIS SHIPMAN & BAKER CO., New York, N. Y. Filed Dec. 28, 1938.

La Mingo

For Women's Coats.

Claims use since Nov. 23, 1938.

Ser. No. 414,630. ERNEST GLICK, doing business as Ernest Glick Company, Chicago, Ill. Filed Jan. 9, 1939.



For Neckties and Mufflers.

Claims use since May, 1938.

Ser. No. 414,658. L. GREIF & BRO., INC., Baltimore, Md. Filed Jan. 10, 1939.

THE Wardrobe SUIT

For A Weekend - For A Week - For A Month

The words "The" and "Suit" and the phrases "For a Weekend", "For a Week", and "For a Month" are disclaimed apart from the mark.

For Men's Suits.

Claims use since Nov. 18, 1938.

Ser. No. 414,881. MUSKEGON MANUFACTURING COMPANY, INC., Muskegon, Mich. Filed Jan. 16, 1939.

SunLass

For Ladies' Overalls, Children's Overalls, Playsuits, Culottes, Outer Shorts, Halters, and Kerchiefs.

Claims use since Mar. 1, 1938.

Ser. No. 414,974. VANITY CORSET COMPANY, INC., New York, N. Y. Filed Jan. 18, 1939.

DIA-trol

For Corsets, Corselets, Girdles, Bandeaus, Panties, and Brassiéres.

Claims use since Oct. 1, 1938.

Ser. No. 415,188. ALFRED ROSENBURG, Asbury Park, N. J. Filed Jan. 24, 1939.



The words "Bal Masque" are disclaimed apart from the mark.

For Theatrical Costumes.

Claims use since Oct. 15, 1938.

Ser. No. 415,225. JULIUS NELSON CORP., New York, N. Y. Filed Jan. 25, 1939.



The words "Tweed" and "Exclusive Fabric" are disclaimed apart from the mark.

For Ladies' and Misses' Coats, Suits, and Coat and Suit Combinations.

Claims use since Jan. 3, 1938.

Ser. No. 415,287. ETON CORPORATION, New York, N. Y. Filed Jan. 27, 1939.

BON-KNITS

The word "Knits" is disclaimed except as shown.
For Ladies', Misses', and Girls' Hats.
Claims use since Nov. 1, 1938.

Ser. No. 415,293. INTERNATIONAL CORSET COMPANY, Aurora, Ill. Filed Jan. 27, 1939.

"Magic Darts"

The word "Darts" is disclaimed except as shown.
For Corsets and Foundation Garments.
Claims use since Jan. 23, 1939.

Ser. No. 415,306. SPEARE GLOVE COMPANY, Gloversville, N. Y. Filed Jan. 27, 1939.

JUNGLE PIGSKIN

The word "Pigskin" is disclaimed apart from the mark.
For Leather Gloves.
Claims use since December, 1938.

Ser. No. 415,325. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Jan. 28, 1939.

ARROW

For Trousers and Shorts for Men, Women, Boys, and Girls.
Claims use since Jan. 17, 1939.

Ser. No. 415,382. CONTINENTAL SHOE CORPORATION, Boston, Mass. Filed Jan. 30, 1939.

Wrap-O-Welt

Applicant disclaims the word "Welt" used alone.
For Boots and Shoes of Leather, Rubber, Fabric, and Combinations Thereof.
Claims use since Jan. 23, 1939.

Ser. No. 415,408. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Jan. 30, 1939.

MIDWAY HEELS

The word "Heels" is disclaimed apart from the mark.
For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Jan. 19, 1939.

Ser. No. 415,410. I. MILLER & SONS, INC., Long Island City, N. Y. Filed Jan. 30, 1939.

Twill-Tex

The word "Twill" is disclaimed apart from the mark.
For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Jan. 4, 1939.

Ser. No. 415,431. WEYENBERG SHOE MANUFACTURING COMPANY, doing business as Hubbard Shoe Company, Milwaukee, Wis. Filed Jan. 30, 1939.

Jaunties

For Leather Shoes for Juveniles.
Claims use since Dec. 23, 1938.

Ser. No. 415,460. MONTICELLO SHIRT COMPANY, Charlottesville, Va. Filed Jan. 31, 1939.

MONO

For Men's and Women's Union Suits, Shorts, Pajamas, Undershirts, and Sport Jackets.
Claims use since November, 1938.

Ser. No. 415,480. LANDE & MISKEND, INC., New York, N. Y. Filed Feb. 1, 1939.

Yolande

For Infants', Children's, Misses', and Women's Underwear; Women's and Misses' Blouses; Dresses for Infants, Children, and Women.
Claims use since Apr. 22, 1924.

Ser. No. 415,654. LAVEL COMPANY, Los Angeles, Calif. Filed Feb. 6, 1939.

Slackelette

For Brassière, Girdle, and Pantie Combination Garment.
Claims use since Dec. 21, 1938.

Ser. No. 415,665. HENRY POLLAK, INC., New York, N. Y. Filed Feb. 6, 1939.

SENSATION

For Straw and Felt Hat Bodies.
Claims use since Jan. 5, 1939.

Ser. No. 415,705. COOPERATIVE HANDCRAFTS INCORPORATED OF PUERTO RICO, Santurce, P. R., and New York, N. Y. Filed Feb. 7, 1939.

Lady "Svelt"

For Ladies' Underwear, Pajamas, Slips, Panties, and Nightgowns.
Claims use since Jan. 12, 1939.

Ser. No. 415,782. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Feb. 8, 1939.

VELVA-Lure

For Swimming Suits.
Claims use since Nov. 25, 1938.

Ser. No. 415,797. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Feb. 8, 1939.

Craft-o-Loom

For Ladies' Chemises, Princess Slips, Bloomers, Step-ins, and Nightgowns of a Textile Fabric.
Claims use since May 18, 1931.

Ser. No. 415,873. BUSCARLET GLOVE COMPANY INC., New York, N. Y. Filed Feb. 10, 1939.

'N Ovation

For Leather Gloves.
Claims use since Nov. 18, 1938.

Ser. No. 415,917. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 10, 1939.

Northmoor

For Men's Summer Suits.
Claims use since Mar. 1, 1938.

Ser. No. 415,955. MILLINERY MERCHANDISING EXECUTIVES ASSOCIATION, INC., New York, N. Y. Filed Feb. 11, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938.

Skyline Rose

For Ladies' Hats.
Claims use since Feb. 6, 1939.

Ser. No. 416,030. H. C. COHN & CO., Rochester, N. Y. Filed Feb. 15, 1939.

Cruncher

For Neckties.
Claims use since Dec. 10, 1938.

Ser. No. 416,032. H. C. COHN & CO., Rochester, N. Y. Filed Feb. 15, 1939.

Pigskin

For Neckties.
Claims use since Dec. 20, 1938.

Ser. No. 416,038. H. C. COHN & CO., Rochester, N. Y. Filed Feb. 15, 1939.

THE



Mainliner

For Neckties.
Claims use since May 18, 1938.

Ser. No. 416,039. H. C. COHN & CO., Rochester, N. Y. Filed Feb. 15, 1939.



For Neckties.
Claims use since Nov. 25, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 414,980. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Jan. 19, 1939.

"RAPAL"

For Hat Braid Made of Tubes Simulating Straw, Manufactured of Cellophane with a Core of Ramie.
Claims use since Jan. 10, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 409,602. BELLMAN BROOK BLEACHERY CO., Fairview, N. J. Filed Aug. 15, 1938.

BELLMAN BROOK EVERSHEER BLEACHERY COMPANY

The word "Eversheer" is disclaimed apart from the mark.
For Organdie.
Claims use since Nov. 15, 1934.

Ser. No. 413,468. R. FERRUCCIO BEMPORAD, doing business as Atlantic Rug Company, New York, N. Y. Filed Dec. 5, 1938.

NOSTER FIDES NAVALISVE ACTUARIUS ADICO PEDESTRIS

The translation of the Latin text is: Our Faith—Fast Sailing Force—By Land or Sea.
For Rugs and Carpets.
Claims use since Aug. 15, 1938.

Ser. No. 413,665. CHRISTIAN FISCHBACHER CO., St. Gall, Switzerland. Filed Dec. 10, 1938.

Fisba

For Cotton, Rayon, and Wool in the Piece.
Claims use since June 9, 1938.

CLASS 43

Thread and Yarn

Ser. No. 414,737. LOUIS HOFFMAN, New York, N. Y. Filed Jan. 12, 1939.

Fine Lady Yarns

"Fine Work—
Deserves Fine Lady Yarns"

Applicant disclaims the words "Fine Work" and "Yarns" apart from the mark.
For Yarn.
Claims use since Dec. 22, 1938.

Ser. No. 416,002. UNITED ELASTIC CORPORATION, Easthampton, Mass. Filed Feb. 13, 1939.

Singletex

For Rubber Thread.
Claims use since Jan. 20, 1939.

Ser. No. 416,015. QUAKER WORSTED MILLS CORPORATION, Philadelphia, Pa. Filed Feb. 14, 1939.

VIKING

For Yarns of Animal Fibers, Vegetable Fibers, Artificial Fibers, Reworked Fibers, Synthetic Fibers, Virgin Wool, Silk, Cotton, Rubber, Worsted, Hair, Rayon, Linen, Hemp, and/or Mixtures of the Same.
Claims use since August, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 413,603. DAN D. STRATOS, Mansfield, Ohio. Filed Dec. 8, 1938.

LEMONFROST

For Lemon Beverage to be Sold as a Soft Drink, Either With or Without Being Frozen to a Semi-Solid Consistency, or a Lemon Concentrate, or Syrup, for Making the Same.
Claims use since Sept. 12, 1938.

Ser. No. 415,542. A. B. COOK, Los Angeles, Calif. Filed Feb. 3, 1939.

Happy Jack BEVERAGES

The picture of the boy is fanciful. No claim is made to the word "Beverages."
For Nonalcoholic Beverages.
Claims use since Jan. 16, 1939.

Ser. No. 416,491. THE W. T. WAGNER'S SONS COMPANY, Cincinnati, Ohio. Filed Feb. 27, 1939. Under 10-year proviso.

WAGNER

For Soft Drinks, Carbonated Beverages, and Syrups for Making Same and Including Artificial Vichy, Distilled Water, Selters, Ginger Ale, Lime Rickey, Club Soda, Artificial Ems, Carbonated Phosphate, Artificial Hunyadi, Artificial Carlsbad, Artificial Kissingen, Special "C", Root Beer, Sarsaparilla, Cream Soda, and Fruit Beverages, viz., Orange and Strawberry.
Claims use since Jan. 1, 1868.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 380,761. F. W. DUSTAN & SON, Clarkston, Wash. Filed July 8, 1936.

JULIAETTA

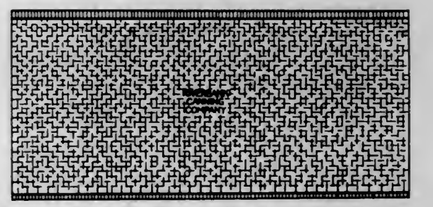
For Canned Fruits, Canned Vegetables, and Canned Tomato Juice.
Claims use since 1933 on tomato juice; since 1913 on canned fruits and vegetables.

Ser. No. 403,032. BATTLE CREEK DOG FOOD CO., Battle Creek, Mich. Filed Feb. 15, 1938.

KIBBLES

For Dog Food.
Claims use since February, 1931.

Ser. No. 407,330. RIVERBANK CANNING COMPANY, Riverbank, Calif. Filed June 10, 1938.



The drawing is lined for yellow and red. No claim is made to the representation of a label or to the name "Riverbank" apart from the mark.
For Canned Tomato Paste, Canned Fish, Canned Vegetables, Canned Olives, and Canned Tomato Juice for Food Purposes.
Claims use since 1934 on canned tomato juice; since 1923 on other foods.

Ser. No. 409,808. CHARLES FAITH, doing business as Vigro Health Products Company, Cincinnati, Ohio. Filed Aug. 20, 1938.

VIGRO

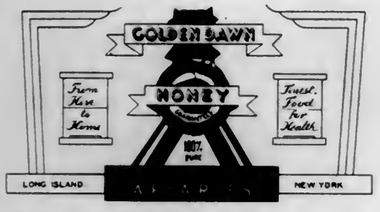
For Alfalfa Tea.
Claims use since Feb. 15, 1938.

Ser. No. 410,509. GEORGE A. JEFFREYS, doing business as Jeffreys Laboratories, Calcium, N. Y. Filed Sept. 13, 1938.

Kaf-Tone

The word "Kaf" is disclaimed apart from the mark.
For Calf Food.
Claims use since July 6, 1937.

Ser. No. 411,741. THEODORE W. HEINZERLING, doing business as Ruth Elizabeth Apiaries, Queens Village, N. Y. Filed Oct. 18, 1938.



Except in the association of relation shown, no claim is made to the words "Unexcelled, Highest Quality Honey, Guaranteed Unadulterated, Finest Food for Health, 100% Pure, Long Island, New York".

For Honey.
Claims use since Oct. 5, 1937.

Ser. No. 413,604. SUNSHINE STATE HATCHERIES INC., Sioux Falls, S. Dak. Filed Dec. 8, 1938.



Applicant disclaims "Vitamin" per se and apart from the mark.

For Feeds—Namely, Poultry Feeds.
Claims use since November, 1938.

Ser. No. 413,705. THE W. J. FITZPATRICK COMPANY, Chicago, Ill. Filed Dec. 12, 1938.

HG-60

For Flour Made from Soya Bean and Wheat Intended to be Used in Baking Bread and Other Bakery Products.
Claims use since May 15, 1938.

Ser. No. 414,174. THE EUCLID CANDY CO. OF ILLINOIS, INC., Chicago, Ill. Filed Dec. 23, 1938.

CORKY

For Candy.
Claims use since Nov. 8, 1938.

Ser. No. 414,804. THE TOBIN PACKING COMPANY INCORPORATED, Fort Dodge, Iowa. Filed Jan. 13, 1939.

BICZYJA

For Cooked Ham.
Claims use since Oct. 5, 1938.

Ser. No. 414,852. THE FRITO COMPANY, Dallas, Tex. Filed Jan. 16, 1939.

FRITATOS

Applicant is the sole owner of Trade-Mark No. 306,005, issued to Daisy D. Doolin, Aug. 29, 1933.

For Potato Chips.
Claims use since Apr. 10, 1935.

Ser. No. 415,441. BONITA PACKING COMPANY, Guadalupe, Calif. Filed Jan. 31, 1939.

BONIPAK

For Fresh Vegetables.
Claims use since Dec. 15, 1937.

Ser. No. 415,530. C. E. VOOGT CANDY CO., Chicago, Ill. Filed Feb. 2, 1939.

Special Occasion

For Chocolate Coated Candies.
Claims use since June 1, 1933.

Ser. No. 415,582. CHOCOLATE PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 4, 1939.

Stillicious

For Ingredients for Making Puddings of Various Flavors, Such as Chocolate or Vanilla Flavored Puddings, Said Ingredients Being in Powdered Form and Comprising Essentially Sugar, Tapioca, Starch, Yeast, and Salt, to Which Milk or the Like is Added by the Consumer to Make a Paste to Pour Into Molds in the Form of Pies, Cups, or the Like.
Claims use since Oct. 30, 1935.

Ser. No. 415,766. CHASE & COMPANY, Sanford, Fla. Filed Feb. 8, 1939.

CELERYETTS

For Celery.
Claims use since Jan. 28, 1939.

Ser. No. 415,895. KEENO PACKING COMPANY, doing business as Aristocrat Packing Company, South Gate, Calif. Filed Feb. 10, 1939.

Aristocrat

For Canned Dog and Cat Food.
Claims use since July, 1937.

Ser. No. 416,070. JOHN MACKINTOSH & SONS, LIMITED, Waterside, England. Filed Feb. 15, 1939.

TOFFOLUXE

For Candy.
Claims use since Oct. 28, 1938.

Ser. No. 416,175. BEAR CREEK ORCHARDS, Medford, Oreg. Filed Feb. 18, 1939.

OREGOLD

For Fresh Deciduous Fruits.
Claims use since May 30, 1938.

Ser. No. 416,210. THE TENNEX COMPANY, San Francisco, Calif. Filed Feb. 18, 1939.

10 EX

For Fudge and Cake Icing Mix.
Claims use since Feb. 1, 1939.

Ser. No. 416,262. GEORGE W. METLAR, doing business as Calmato Distributing Company, San Francisco, Calif. Filed Feb. 20, 1939.

CALMATO TOMATO PASTE



The words "Tomato Paste" and the outline of the tomato are disclaimed apart from the mark.

For Canned Tomato Paste.
Claims use since Jan. 26, 1939.

CLASS 47

Wines

Ser. No. 398,620. WM. H. HOMMEL, doing business as The M. Hommel Wine Co., Sandusky, Ohio. Filed Oct. 18, 1937.

PERSIAN QUEEN

The word "Persian" is disclaimed apart from the mark.

For Wines.
Claims use since 1932.

CLASS 48

Malt Beverages and Liquors

Ser. No. 414,043. JACOB RUPPERT, New York, N. Y. Filed Dec. 20, 1938.



The words "Ale" and "Prize Medal" are disclaimed apart from the mark.

For Ale.
Claims use since Nov. 15, 1937.

Ser. No. 414,961. N. V. PHOENIX BROUWERIJ, Amersfoort, Netherlands. Filed Jan. 18, 1939.



No claim is made to the words "Imported Holland", "Beer", and "Amersfoort, Holland" apart from the mark.
For Beer.
Claims use since Dec. 1, 1937.

Ser. No. 416,020. THE SUNRISE DISTRIBUTING COMPANY, Cleveland, Ohio. Filed Feb. 14, 1939.

BROWN BOMBER

For Beer and Ale.
Claims use since Feb. 9, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 416,316. THE DAVIESS COUNTY DISTILLING COMPANY, INC., Owensboro, Ky. Filed Feb. 23, 1939.



The words "Daviess County, Kentucky" are disclaimed apart from the mark.
For Whiskey.
Claims use since Apr. 22, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 413,610. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Dec. 8, 1938.

CAVALPRENE

For Neoprene Coated Fabrics.
Claims use since Oct. 3, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 18, 1939

366,512. ANGLE IRONS, BACK FLAPS, BED FASTENERS, BRACES, BROOM HOLDERS, DRAWER AND CORNER CLIPS, CURTAIN LIFTS, DOOR TRACK, ESCUTCHEONS, ETC. AMERICAN CABINET HARDWARE CORP., Rockford, Ill.

Filed November 9, 1936. Serial No. 385,275. PUBLISHED FEBRUARY 7, 1939. Class 13.

366,513. ANGLE IRONS, BACK FLAPS, BED FASTENERS, BRACES, BROOM HOLDERS, DRAWER AND CORNER CLIPS, CURTAIN LIFTS, DOOR TRACK, ESCUTCHEONS, ETC. AMERICAN CABINET HARDWARE CORP., Rockford, Ill.

Filed November 9, 1936. Serial No. 385,278. PUBLISHED FEBRUARY 7, 1939. Class 13.

366,514. CHEMICAL PREPARATION DEVOID OF WAXES AND FATTY MATERIALS AND DESIGNED FOR REMOVING OILS, GREASES, WAXES, ROAD SCUMS, ETC. HOWARD R. NEILSON, doing business as Neilson Chemical Company, Detroit, Mich.

Filed November 11, 1936. Serial No. 385,422. PUBLISHED FEBRUARY 7, 1939. Class 4.

366,515. CLEANSER FOR ARTICLES OF ENAMEL, PORCELAIN, GLASS, METAL, LINOLEUM, AND WOOD. B. T. BABBITT, INC., New York, N. Y.

Filed May 28, 1937. Serial No. 393,361. PUBLISHED FEBRUARY 7, 1939. Class 4.

366,516. FOOD FLAVORS, PARTICULARLY VANILLA EXTRACT, ORANGE EXTRACT, LEMON EXTRACT, RASPBERRY EXTRACT, ALMOND EXTRACT, CHOCOLATE AND STRAWBERRY FLAVORS FOR ICE CREAM, CHOCOLATE FLAVOR FOR CAKE ICINGS,, FUDGE, AND SYRUPS, AND IMITATION LIME JUICE FOR FOOD PURPOSES. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass.

Filed August 7, 1937. Serial No. 396,116. PUBLISHED FEBRUARY 1, 1938. Class 46.

366,517. MACHINE PRESSES USED IN THE STRAIGHTENING OR REPAIR OF VARIOUS AUTOMOBILE PARTS. ULYSSES A. INMAN, doing business as Universal Equipment Co., Long Beach, Calif.

Filed October 6, 1937. Serial No. 398,230. PUBLISHED FEBRUARY 7, 1939. Class 23.

366,518. CANNED FISH. ATKINS, KROLL & CO., San Francisco, Calif.

Filed November 9, 1937. Serial No. 399,494. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,519. CORN MEAL. CHARLESTON MILLING COMPANY, Charleston, W. Va.

Filed January 6, 1938. Serial No. 401,644. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,520. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.

Filed January 10, 1938. Serial No. 401,750. PUBLISHED MARCH 1, 1938. Class 49.

366,521. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Bridgeport and Fairfield, Conn.

Filed January 10, 1938. Serial No. 401,751. PUBLISHED MARCH 1, 1938. Class 49.

366,522. UNIONS, THREAD PROTECTORS FOR UNIONS, GAUGE COCKS, CLAMP HANDLES, AND PLUG VALVES. WELL EQUIPMENT MANUFACTURING CORPORATION, Houston, Tex.

Filed March 25, 1938. Serial No. 404,501. PUBLISHED FEBRUARY 7, 1939. Class 13.

366,523. CANNED PEAS. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.

Filed May 26, 1938. Serial No. 406,765. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,524. CANNED CORN. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.

Filed May 26, 1938. Serial No. 406,766. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,525. CANNED CORN. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.

Filed May 26, 1938. Serial No. 406,767. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,526. EXHAUST FANS, AIR CIRCULATING FANS, AND PORTABLE BLOWER AND DUCT AIR CIRCULATORS. SELETRIC PRODUCTS CORP., Louisville, Ky., assignor to Ray T. Congleton, Cincinnati, Ohio.

Filed May 31, 1938. Serial No. 406,945. PUBLISHED FEBRUARY 7, 1939. Class 34.

366,527. LIGHT SENSITIVE PAPER AND FILM. THE HALOID COMPANY, Rochester, N. Y.

Filed June 6, 1938. Serial No. 407,141. PUBLISHED FEBRUARY 7, 1939. Class 26.

366,528. TEA. OLD DUTCH MILLS, INC., New York, N. Y.

Filed June 9, 1938. Serial No. 407,275. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,529. MACARONI. TENDERONI, INC., also doing business as Q Company, Joliet, Ill.

Filed July 15, 1938. Serial No. 408,551. PUBLISHED DECEMBER 13, 1938. Class 46.

366,530. MACARONI, SPAGHETTI, AND NOODLES. KANSAS CITY MACARONI & IMPORTING CO., doing business as Faust Macaroni Company and American Beauty Macaroni Company, Kansas City, Mo.

Filed July 22, 1938. Serial No. 408,801. PUBLISHED DECEMBER 13, 1938. Class 46.

366,531. BEAN SPROUTS, CHOP SUEY, VEGETABLES, FRIED NOODLES, SOY SAUCE, BEADED MOLASSES, SAID GOODS BEING CANNED. THE GREAT CHINA FOOD PRODUCTS CO., Chicago, Ill.

Filed August 1, 1938. Serial No. 409,124. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,532. INDUSTRIAL HEATING CRUCIBLES AND HEAT TREATING FURNACES AND QUENCHES. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.

Filed August 9, 1938. Serial No. 409,388. PUBLISHED FEBRUARY 7, 1939. Class 34.

366,533. SHORT WAVE APPARATUS FOR MEDICAL PURPOSES. THE THERM-O-RAY CORPORATION, New York, N. Y.

Filed August 16, 1938. Serial No. 409,661. PUBLISHED FEBRUARY 7, 1939. Class 44.

366,534. CARDS FOR USE IN A COMPETITIVE MUSICAL MEMORY GAME. A. L. RACKIN, HUGH C. DANIEL, AND P. S. FOSTER, Beverly Hills, Calif.

Filed September 7, 1938. Serial No. 410,339. PUBLISHED FEBRUARY 7, 1939. Class 22.

366,535. CIGARS. ARANGO Y ARANGO, Tampa, Fla.

Filed September 22, 1938. Serial No. 410,856. PUBLISHED FEBRUARY 7, 1939. Class 17.

366,536. DISTILLED ALCOHOLIC LIQUORS. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Newport, Ky.

Filed September 21, 1938. Serial No. 410,879. PUBLISHED FEBRUARY 7, 1939. Class 49.

366,537. PAPER NAPKINS. GRAHAM PAPER COMPANY, St. Louis, Mo.
Filed September 24, 1938. Serial No. 410,955. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,538. PREPARATION IN POWDER FORM FOR CLEANING THE HAIR AND FUR OF ANIMALS, HAVING INCIDENTAL DEODORIZING PROPERTIES. FRANK D. GATES, doing business as Rockwell Laboratory, Kansas City, Mo.
Filed October 3, 1938. Serial No. 411,261. PUBLISHED JANUARY 31, 1939. Class 4.

366,539. AUTOMOBILES. CUTLER METAL PRODUCTS COMPANY, Camden, N. J.
Filed October 7, 1938. Serial No. 411,372. PUBLISHED FEBRUARY 7, 1939. Class 19.

366,540. TABLE GAME PLAYED WITH PIECES RESEMBLING DOMINOES. CHARLES G. ANDERSON, New York, N. Y.
Filed October 10, 1938. Serial No. 411,438. PUBLISHED FEBRUARY 7, 1939. Class 22.

366,541. TENDER COOKED HAMS AND TENDER COOKED PICNIC HAMS. ILLINOIS MEAT COMPANY, Chicago, Ill.
Filed October 13, 1938. Serial No. 411,580. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,542. CANNED VEGETABLES. THOMAS R. HALSEY, doing business as Halsey Canning Company, San Antonio, Tex.
Filed October 15, 1938. Serial No. 411,635. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,543. SCIENTIFIC COLOR MIXING APPARATUS USED FOR DETERMINING HARMONIOUS COLOR COMBINATIONS. HARRY F. SMAJKAL, New York, N. Y.
Filed October 18, 1938. Serial No. 411,756. PUBLISHED FEBRUARY 7, 1939. Class 26.

366,544. MALTLESS, NONALCOHOLIC BEVERAGES—NAMELY, FRUIT JUICES FOR BEVERAGE PURPOSES, SUCH AS APPLE JUICE, GRAPE JUICE, LEMON JUICE, LEMON SODA, GINGER ALE, AND MINERAL WATERS. KAISER'S KAFFEEGESCHÄFT GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Viersen, Germany.
Filed October 19, 1938. Serial No. 411,782. PUBLISHED FEBRUARY 7, 1939. Class 45.

366,545. FROZEN CONFECTIONS. MARLIN B. RASMUSSON, doing business as Frigid Process Company, Sacramento, Calif.
Filed October 19, 1938. Serial No. 411,794. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,546. FROZEN CONFECTIONS. MARLIN B. RASMUSSON, doing business as Frigid Process Company, Sacramento, Calif.
Filed October 19, 1938. Serial No. 411,795. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,547. DOLLS. JOSEPHINE ALDRICH HARRIS, Birmingham, Ala.
Filed October 24, 1938. Serial No. 411,993. PUBLISHED FEBRUARY 7, 1939. Class 22.

366,548. SCOURING PASTE WHICH CLEANS AND POLISHES WOODWORK, PAINTED WALLS, METALS, LINOLEUM, TILE, ENAMEL, PORCELAIN, AND GLASS, WHICH IS ALSO USED AS A HAND CLEANSER. THE SIC EM MFG. CO., Norwalk, Conn.
Filed October 26, 1938. Serial No. 412,053. PUBLISHED FEBRUARY 7, 1939. Class 4.

366,549. CURTAIN AND SASH RODS, WINDOW SHADES, BOOK ENDS, AND MIRRORS. S. H. KRESS AND COMPANY, New York, N. Y.
Filed October 27, 1938. Serial No. 412,104. PUBLISHED FEBRUARY 7, 1939. Class 32.

366,550. TOFFEE, CHOCOLATE COVERED TOFFEE, AND BOILED SWEETS—NAMELY, CANDY. GEORGE W. HORNER & CO. LIMITED, Chester-le-Street, England.
Filed October 29, 1938. Serial No. 412,185. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,551. CANNED VEGETABLES. H. B. ZIEGLER, doing business as Ziegler Packing Company, Longview, Tex.
Filed October 31, 1938. Serial No. 412,243. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,552. PAPER CUTTING MACHINES, PAPER SORTING MACHINES, PAPER STACKING MACHINES, AND PARTS OF SAID MACHINES. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed November 12, 1938. Serial No. 412,660. PUBLISHED FEBRUARY 7, 1939. Class 23.

366,553. DOORS. WHEELER OSGOOD SALES CORPORATION, Tacoma, Wash.
Filed November 12, 1938. Serial No. 412,683. PUBLISHED JANUARY 24, 1939. Class 12.

366,554. PAPER TOWELS AND TOILET TISSUE. HOBERG PAPER MILLS, Green Bay, Wis.
Filed November 14, 1938. Serial No. 412,706. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,555. PLYWOOD AND WALLBOARD—NAMELY, FIR PLYWOOD, PHILIPPINE PLYWOOD, RUSTIC PLYWOOD, AND FIR WALLBOARD. WHEELER OSGOOD SALES CORPORATION, Tacoma, Wash.
Filed November 14, 1938. Serial No. 412,743. PUBLISHED JANUARY 24, 1939. Class 12.

366,556. DOORS. THE DUVAL PLANING MILL COMPANY, Jacksonville, Fla.
Filed November 15, 1938. Serial No. 412,758. PUBLISHED JANUARY 24, 1939. Class 12.

366,557. WINES. BERRY BROS. & CO., London, England.
Filed November 16, 1938. Serial No. 412,795. PUBLISHED FEBRUARY 7, 1939. Class 47.

366,558. FURNACES USING COAL, OIL, AND/OR GAS, STOKERS, AND AIR-CONDITIONING UNITS, AND PARTS THEREOF, ETC. THE EXCELSIOR STEEL FURNACE COMPANY, Chicago, Ill.
Filed November 16, 1938. Serial No. 412,806. PUBLISHED FEBRUARY 7, 1939. Class 34.

366,559. PURE CARBONATED MALTLESS NONALCOHOLIC COFFEE BEVERAGE. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y.
Filed November 17, 1938. Serial No. 412,851. PUBLISHED FEBRUARY 7, 1939. Class 45.

366,560. INFANTS' WEAR—NAMELY, SHIRTS, BIBS, WRAPPERS, WATERPROOF PANTS, ETC. H. L. GREEN COMPANY, INC., New York, N. Y.
Filed November 17, 1938. Serial No. 412,857. PUBLISHED JANUARY 31, 1939. Class 39.

366,561. ZINC IN SLABS OR PIGS. UNITED STATES SMELTING REFINING AND MINING COMPANY, Boston, Mass.
Filed November 18, 1938. Serial No. 412,931. PUBLISHED FEBRUARY 7, 1939. Class 14.

366,562. RAYON PIECE GOODS OF ACETATE, SUEDE FINISH, SHEER FABRIC. BLOOMSBURG SILK MILL, New York, N. Y.
Filed November 19, 1938. Serial No. 412,938. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,563. MARKING CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed November 21, 1938. Serial No. 412,993. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,564. WATERMELONS AND CANTALOUPES. THE JAMES CO., INC., Laurinburg, N. C.
Filed November 21, 1938. Serial No. 413,018. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,565. RUBBERIZED FABRIC FLEXIBLE TUBING FOR VENTILATION. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed November 25, 1938. Serial No. 413,115. PUBLISHED FEBRUARY 7, 1939. Class 34.

366,566. AUTOMOTIVE PAINT CLEANERS AND FABRIC CLEANING FLUIDS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed November 25, 1938. Serial No. 413,118. PUBLISHED FEBRUARY 7, 1939. Class 4.

366,567. OFFICE FURNITURE—NAMELY, CHAIRS, STANDS, TABLES OR DESKS, AND FILES. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed November 25, 1938. Serial No. 413,136. PUBLISHED FEBRUARY 7, 1939. Class 32.

366,568. BELT DRESSINGS AND LEATHER PRESERVATIVES. CHAS. A. SCHIEREN COMPANY, New York, N. Y.
Filed November 25, 1938. Serial No. 413,149. PUBLISHED FEBRUARY 7, 1939. Class 4.

366,569. FRESH VEGETABLES AND POTATOES. F. C. PETERS, INC., Goulds, Fla.
Filed November 26, 1938. Serial No. 413,193. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,570. POULTRY FEEDS. GRAND FORKS SEED COMPANY, Grand Forks, N. Dak.
Filed November 28, 1938. Serial No. 413,223. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,571. FRESH VEGETABLES AND POTATOES. F. C. PETERS, INC., Goulds, Fla.
Filed November 28, 1938. Serial No. 413,238. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,572. SEED CORN. FREDERICK DAVID RICHEY, Asheville, Ohio.
Filed November 28, 1938. Serial No. 413,245. PUBLISHED FEBRUARY 7, 1939. Class 1.

366,573. TOILET PAPER. MIDWEST ADVERTISING, INC., Lima, Ohio.
Filed November 29, 1938. Serial No. 413,271. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,574. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. PENRITH-AKERS MANUFACTURING CO., Minneapolis, Minn.
Filed November 30, 1938. Serial No. 413,315. PUBLISHED FEBRUARY 7, 1939. Class 45.

366,575. COAL. CONSOLIDATION COAL COMPANY, New York, N. Y.
Filed December 2, 1938. Serial No. 413,393. PUBLISHED FEBRUARY 7, 1939. Class 1.

366,576. MATTRESSES. EAGLE MATTRESS CO. INC., Boston, Mass.
Filed December 2, 1938. Serial No. 413,394. PUBLISHED FEBRUARY 7, 1939. Class 32.

366,577. GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., and Schenley, Pa.
Filed December 2, 1938. Serial No. 413,396. PUBLISHED FEBRUARY 7, 1939. Class 49.

366,578. ANTI-FRICTION BEARINGS AND PARTS THEREOF. SHAFER BEARING CORPORATION, Chicago, Ill.
Filed December 5, 1938. Serial No. 413,489. PUBLISHED FEBRUARY 7, 1939. Class 23.

366,579. GELATIN. SWIFT AND COMPANY, Chicago, Ill.
Filed December 5, 1938. Serial No. 413,494. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,580. SCREEN WIRE CLOTH. PENNSYLVANIA WOVEN WIRE COMPANY, Lock Haven, Pa.
Filed December 7, 1938. Serial No. 413,558. PUBLISHED FEBRUARY 7, 1939. Class 13.

366,581. SCREEN WIRE CLOTH. PENNSYLVANIA WOVEN WIRE COMPANY, Lock Haven, Pa.
Filed December 7, 1938. Serial No. 413,559. PUBLISHED FEBRUARY 7, 1939. Class 13.

366,582. VISIBLE INDEX CARD HOLDERS, AND STAPLING MACHINES, PARTICULARLY OF THE PLIER AND DESK TYPES, STAPLES FOR USE THEREIN, AND PARTS AND ATTACHMENTS THEREOF. MAX VOGEL, Bridgeport, Conn.
Filed December 7, 1938. Serial No. 413,573. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,583. LEATHER. LUSTRE LEATHERS, INC., Johnstown, N. Y.
Filed December 8, 1938. Serial No. 413,586. PUBLISHED FEBRUARY 7, 1939. Class 1.

366,584. WHOLE WHEAT CEREAL. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed December 8, 1938. Serial No. 413,590. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,585. CURTAIN MATERIALS IN THE PIECE AND FOR CURTAINS MADE THEREFROM. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed December 9, 1938. Serial No. 413,642. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,586. CURTAIN MATERIALS IN THE PIECE AND FOR CURTAINS MADE THEREFROM. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed December 9, 1938. Serial No. 413,643. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,587. CURTAIN MATERIALS IN THE PIECE AND FOR CURTAINS MADE THEREFROM. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed December 9, 1938. Serial No. 413,644. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,588. CURTAIN MATERIALS IN THE PIECE AND FOR CURTAINS MADE THEREFROM. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed December 9, 1938. Serial No. 413,645. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,589. FRUIT JUICES AND FRUIT CONCENTRATES FOR BEVERAGE PURPOSES. MONROE HARRISON, Chicago, Ill.
Filed December 12, 1938. Serial No. 413,709. PUBLISHED FEBRUARY 7, 1939. Class 45.

366,590. RUM, WHISKEY, GIN, CORDIALS, AND LIQUEURS. MANY, BLANC & CO., INC., Chicago, Ill.
Filed December 12, 1938. Serial No. 413,719. PUBLISHED FEBRUARY 7, 1939. Class 49.

366,591. CURTAIN MATERIALS IN THE PIECE AND FOR CURTAINS MADE THEREFROM. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed December 9, 1938. Serial No. 413,646. PUBLISHED FEBRUARY 7, 1939. Class 42.

366,592. PAPER TOWELS. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y.
Filed December 9, 1938. Serial No. 413,651. PUBLISHED FEBRUARY 7, 1939. Class 37.

366,593. CITRUS FRUITS. FLORIDA CITRUS EXCHANGE, Tampa, Fla.
Filed December 12, 1938. Serial No. 413,706. PUBLISHED FEBRUARY 7, 1939. Class 46.

366,594. RESINS, PARTICULARLY SYNTHETIC RESINS, AND ESTER GUMS. REICHHOLD CHEMICALS INC., Detroit and Ferndale Station, Detroit, Mich.
Filed December 12, 1938. Serial No. 413,737. PUBLISHED FEBRUARY 7, 1939. Class 1.

366,595. PAINTS—VIZ. PAINTS FOR PRIMING AND SEALING CONCRETE FLOORS AND WALLS. WEST COAST KALSOMINE COMPANY, Berkeley, Calif.
Filed December 12, 1938. Serial No. 413,747. PUBLISHED FEBRUARY 7, 1939. Class 16.

366,596. PLASTIC CUSHIONS FOR LOOSE DENTAL PLATES. A. A. GRAY, doing business as Gray Laboratories, Seattle, Wash. Filed December 13, 1938. Serial No. 413,779. PUBLISHED FEBRUARY 7, 1939. Class 44.

366,597. BREAD. EDWIN S. GEMPP, St. Louis, Mo. Filed December 21, 1938. Serial No. 414,067. PUBLISHED FEBRUARY 7, 1939. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

366,598. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILBERT PRODUCTS CO., INC., New York, N. Y. Filed May 20, 1936. Serial No. 378,686.

NO-RUB

For Shoe Dressing.
Claims use since Jan. 15, 1935.

366,599. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURKE & JAMES, INC., Chicago, Ill. Filed June 14, 1937. Serial No. 394,018.

Luxor

For Switches for Controlling Photographic Lighting Systems and Lighting Equipment Such as Flood and Flash Lights.
Claims use since May 1, 1934.

366,600. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) BORG-WARNER CORPORATION, Detroit, Mich. Filed July 15, 1937. Serial No. 395,216.

FINE-AIR

For Air Heating, Circulating, Cleaning, and Humidifying Units and Parts Thereof.
Claims use since May, 1933.

366,601. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) IOWA LIMESTONE COMPANY, Des Moines, Iowa. Filed November 15, 1937. Serial No. 399,765.

ALDEN
PULVERIZED LIMESTONE

For Livestock and Poultry Food Consisting of Calcium Carbonate and Magnesium.
Claims use since Apr. 10, 1934.

366,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GREEN LANGFORD BURNETT, doing business as Burnett Baking Co., Greenville, Tex. Filed Feb. 5, 1938. Serial No. 402,712.

HONEY-TOAST

For Bread.
Claims use since May 21, 1937.

366,603. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Mar. 10, 1938. Serial No. 403,913.

TISSUEMAT

For Embedding Material in Which Pathological Specimens Are Mounted Prior to Cutting with a Microtome and Examination with a Microscope.
Claims use since Mar. 1, 1938.

366,604. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE FAIRFACTS COMPANY, INC., Trenton, N. J., and New York, N. Y. Filed Mar. 15, 1938. Serial No. 404,081.

Chinachrome

For Bathroom Accessories of the Built-in and Projecting Types—Namely, Paper Holders, Soap Holders, Towel Bars, Combination Grips and Soap Holders, Tumbler Holders, Combination Tumbler and Tooth Brush Holders, and Tooth Brush Holders.
Claims use since Jan. 31, 1938.

366,605. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELIZABETH S. SCANLAN, doing business as Aeroplane Spinner Mfg. Co., Denver, Colo. Filed Apr. 14, 1938. Serial No. 405,273.

LOCKON
SNAP

For Fish Lures.
Claims use since Mar. 1, 1938.

366,606. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL, SWANSON & BRADY PRODUCE COMPANY, Kansas City, Mo., and Idaho Falls, Idaho. Filed Apr. 15, 1938. Serial No. 405,308.

SUN VALLEY
BRAND
IDAHO POTATOES
MICHAEL-SWANSON-BRADY PRODUCE CO.
IDAHO FALLS, IDAHO

For Potatoes.
Claims use since Jan. 1, 1935.

366,607. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) KARA TRADING CORP., New York, N. Y. Filed Apr. 26, 1938. Serial No. 405,726.

KARASEAL

For Fur Skins and Pelts.
Claims use since Nov. 15, 1936.

366,608. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) LONDON HOUSE, LTD., New York, N. Y. Filed May 21, 1938. Serial No. 406,589.

London House

For Hair Brushes, Shaving Brushes, Hand Brushes, Bath Brushes, Shampoo Brushes, Tooth Brushes, and Toilet Brushes.
Claims use since Feb. 26, 1938.

366,609. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Filed July 8, 1938. Serial No. 408,309.

Dayton

For Cog Belts.
Claims use since April, 1928.

366,610. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) OLIVER D. COLVIN, Seattle, Wash. Filed Aug. 8, 1938. Serial No. 409,345.

Ski-Tote

For Automobile Carrier Attachment for Carrying Skiing Paraphernalia and Luggage.
Claims use since June 1, 1937.

366,611. (CLASS 32. FURNITURE AND UPHOLSTERY.) KAY MANUFACTURING CORPORATION, New York and Brooklyn, N. Y. Filed Sept. 14, 1938. Serial No. 410,545.

KAYBLE EDGE

For Inner Spring Mattresses and Cushions.
Claims use since February, 1938.

366,612. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WALGREEN CO., Chicago, Ill. Filed Oct. 17, 1938. Serial No. 411,725.

JUSTRITE

For Dry Cleaning Fluid for Clothing, Fabrics, Gloves, Hats, and the Like.
Claims use since Oct. 4, 1915.

366,613. (CLASS 17. TOBACCO PRODUCTS.) LOUIS D. ARONOWITZ, doing business as Royal Canadian Tobacco Company, Toronto, Ontario, Canada. Filed Jan. 11, 1939. Serial No. 414,679.

GOLDEN VIRGINIA

For Cigarettes, Cigars and Smoking Tobaccos.
Claims use since Jan. 1, 1930.

366,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. K. CRUTCHFIELD, JR., doing business as Knox Crutchfield, Lynnwood, Va. Filed Jan. 16, 1939. Serial No. 414,863.

KORN KAKE

For Prepared Cornmeal for Corn Cakes and Cornmeal Waffles.
Claims use since Jan. 28, 1931.

366,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAY EVERHARD, doing business as Citraland Farms, Pharr, Tex. Filed Jan. 25, 1939. Serial No. 415,213.

TEXAS KING

For Fresh Citrus Fruits.
Claims use since September, 1933.

366,616. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) THE ROBERTS BRASS MANUFACTURING COMPANY, Detroit, Mich. Filed Jan. 30, 1939. Serial No. 415,415.

ROBERTS

For Pilot Lighters for Gaseous Fuel Burners.
Claims use since Feb. 20, 1935.

366,617. (CLASS 12. CONSTRUCTION MATERIALS.) ARKANSAS SOFT PINE BUREAU, Little Rock, Ark. Filed Jan. 31, 1939. Serial No. 415,437.

ARKANSAS SOFT PINE

For Lumber, Woodwork, Paneling, Flooring, and Other Standard Saw and Planing Mill Products.
Claims use since October, 1915.

TRADE-MARK REGISTRATIONS RENEWED

123,528. BAR-IRON, PIG-IRON, AND CASTINGS AND FORGINGS OF PIG-IRON, FORGE-IRON, AND STEEL. Registered November 19, 1918. LJUSNE-WOXNA AKTIENOLAG, Ljusne, Sweden, a corporation of Sweden. Renewed November 19, 1938.

124,703. AUTOMOBILE AND FURNITURE POLISH. Registered March 11, 1919. HARRY L. FEASEL. Renewed March 11, 1939, to Rebecca B. Feasel, executrix of the estate of Harry L. Feasel, deceased, New York, N. Y.

124,711. CONVEYER-BELTS MADE OF RUBBER REINFORCED WITH FABRIC. Registered March 11, 1919. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed March 11, 1939.

124,834. MANILA ROPE. Registered March 18, 1919. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio, a corporation of Ohio. Renewed March 18, 1939.

124,848. COOLERS AND ICE-CREAM FREEZERS. Registered March 18, 1919. JENSEN CREAMERY MACHINERY COMPANY, Long Island City, N. Y. Renewed March 18, 1939, to Jensen Creamery Machinery Company, Inc., Bloomfield, N. J., a corporation of New York.

124,962. CERTAIN NAMED KNITTED, NETTED, AND TEXTILE FABRICS. Registered April 1, 1919. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 1, 1939.

124,973. BOILER AND PIPE COVERING. Registered April 1, 1919. H. W. JOHNS-MANVILLE CO. Renewed April 1, 1939, to Johns-Manville Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

124,976. BISCUITS, CAKES, CRACKERS, COOKIES, WAFERS. Registered April 1, 1919. THE MERCHANT'S BISCUIT CO., Denver, Colo. Renewed April 1, 1939, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware, successor.

124,991. COTTON, LINEN, AND WOOL PIECE GOODS AND MIXTURES OF THESE VARIOUS MATERIALS. Registered April 1, 1919. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 1, 1939.

125,059. A MALTLESS NON-ALCOHOLIC BEVERAGE NOT OF A CEREAL NATURE TO BE SOLD AS A SOFT DRINK. Registered April 8, 1919. KEEN DRINK MFG. CO., Altus, Okla. Renewed April 8, 1939, to Keen Drink Mfg. Co., Dallas, Tex., a firm.

125,082. CERTAIN NAMED HEAT-REFRACTORY PRODUCTS. Registered April 8, 1919. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed April 8, 1939.

125,083. CERTAIN NAMED HEAT-REFRACTORY PRODUCTS. Registered April 8, 1919. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed April 8, 1939.

125,101. A LIQUID PREPARATION FOR CLOSING HOLES IN PNEUMATIC TIRES. Registered April 8, 1919. LE ROY M. SUTTON, DuBois, Pa. Renewed April 8, 1939.

125,474. COTTON PIECE GOODS. Registered May 20, 1919. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed May 20, 1939, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

125,513. HOSIERY FOR MEN AND BOYS. Registered May 20, 1919. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed May 20, 1939.

125,721. CERTAIN NAMED ARTICLES MADE OF COTTON AND LINEN. Registered June 10, 1919. JOHN S. BROWN & SONS, LIMITED, Belfast, Ireland. Renewed June 10, 1939, to John S. Brown & Sons, Limited, Belfast, Northern Ireland, a corporation of the United Kingdom of Great Britain and Northern Ireland.

125,930. FACE-POWDER. Registered July 15, 1919. A. BOURJOIS & CO., INC. Renewed July 15, 1939, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

126,104. A MEDICINAL TONIC. Registered July 22, 1919. WM. R. WARNER & COMPANY, INC., New York, N. Y. Renewed July 22, 1939, to Pfeiffer Chemical Company, St. Louis, Mo., a corporation of Missouri, assignee.

126,154. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered July 29, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed July 29, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

126,133. ROUGE. Registered July 29, 1919. A. BOURJOIS & CO., INC. Renewed July 29, 1939, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

126,209. LATHES AND PARTS THEREOF. Registered July 29, 1919. THE SENECA FALLS MANUFACTURING CO. INC. Renewed July 29, 1939, to Seneca Falls Machine Co., Seneca Falls, N. Y., a corporation of Massachusetts, assignee by mesne assignments.

126,401. TRACTORS AND PARTS THEREOF. Registered August 26, 1919. THE CLEVELAND TRACTOR COMPANY, Euclid, Ohio. Renewed August 26, 1939, to The Cleveland Tractor Company, Cleveland, Ohio, a corporation of Ohio.

126,417. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered August 26, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed August 26, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

126,418. SNAP-FASTENERS AND PLACKET-FASTENERS. Registered August 26, 1919. FEDERAL SNAP FASTENER CORPORATION, New York, N. Y. Renewed August 26, 1939, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

126,478. EVAPORATED MILK AND CONDENSED MILK. Registered August 26, 1919. SHEFFIELD FARMS CO., INC. Renewed August 26, 1939, to Sheffield Condensed Milk Company, Inc., New York, N. Y., a corporation of New York, assignee.

126,501. WRITING AND PRINTING PAPER. Registered August 26, 1919. THE WHITAKER PAPER COMPANY, Cincinnati, Ohio. Renewed August 26, 1939, to Hollingsworth & Whitney Company, Boston, Mass., a corporation of Massachusetts, assignee.

126,508. ELECTRICAL-WIRING CONDUITS. Registered September 16, 1919. THE AMERICAN CONDUIT MANUFACTURING COMPANY, Pittsburgh, Pa. Renewed September 16, 1939, to The Wiremold Company, Hartford, Conn., a corporation of Connecticut, assignee.

126,520. CORDUROYS. Registered September 16, 1919. CROMPTON COMPANY. Renewed September 16, 1939, to Crompton Company, Crompton, R. I., a corporation of Delaware, assignee.

126,579. CERTAIN NAMED SURGICAL, DENTAL, AND VETERINARY INSTRUMENTS. Registered September 16, 1919. J. SKLAR MANUFACTURING CO., Brooklyn, N. Y., a corporation of New York. Renewed September 16, 1939.

LABELS

REGISTERED APRIL 18, 1939

52,820.—*Title:* TRU-HAM FLAVOR. For Ham. ARMOUR AND COMPANY, Chicago, Ill. Published March 1, 1939.

52,821.—*Title:* BORDEN BOULEVARD GRADE A EGGS. For Grade A Eggs. THE BORDEN COMPANY, New York, N. Y. Published December 10, 1938.

52,822.—*Title:* DAIRY ORANGE BASE. For a Dairy Orange Base for Making a Citrus Juice Drink. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published January 2, 1936.

52,823.—*Title:* BOTTLERS ORANGE. For Bottlers Orange. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published May 12, 1938.

52,824.—*Title:* PURE ORANGE JUICE. For Pure Orange Juice. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published October 27, 1938.

52,825.—*Title:* BOTTLER'S LEMON. For Bottler's Lemon. CALIFORNIA FRUIT GROWERS EXCHANGE. Los Angeles, Calif. Published February 15, 1939.

52,826.—*Title:* DE MET'S TURTLES. For Candy. DE MET'S, INC., Chicago, Ill. Published February 1, 1939.

52,827.—*Title:* WEST VIRGINIA. For Ale. FESENMEIER BREWING COMPANY, Huntington, W. Va. Published February 18, 1939.

52,828.—*Title:* CALIFORNIA STYLED. For Robes. GEISHA ROBE CO., New York, N. Y. Published February 21, 1939.

52,829.—*Title:* PRAGUE POWDER. For a Powder for Use as a Full Boiled Curing Pickle. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Published September 26, 1938.

52,830.—*Title:* HAMPDEN BEER. For Beer. HAMPDEN BREWING COMPANY, Willimansett, Mass. Published March 7, 1939.

52,831.—*Title:* FILM RIBBON, THE "CELLOPHANE" TYPEWRITER RIBBON WITH THE CLEAN EDGE. For Typewriter Ribbons. GEORGE T. HUDSPETH, Dallas, Tex. Published June 15, 1938.

52,832.—*Title:* JOHNSON'S FORTIFIED HOUSE PAINT. For House Paint. S. C. JOHNSON & SON, INC., Racine, Wis. Published June 15, 1938.

52,833.—*Title:* SALTED NUTS. For Salted Nuts. E. F. KEMP, INC., Somerville, Mass. Published March 6, 1939.

52,834.—*Title:* GREAT STATE CIGAR, MADE BY KING ARTHUR CIGAR FCT'Y. For Cigars. KING ARTHUR CIGAR FCT'Y., New Orleans, La. Published February 10, 1939.

52,835.—*Title:* LIANE SHAMPOO. For a Shampoo. LIANE INCORPORATED, Freeport, Ill. Published March 6, 1939.

52,836.—*Title:* MANISCHEWITZ MODERN CHALAH. For Bread. MANCO BREADS, INC., Brooklyn, N. Y. Published February 2, 1939.

52,837.—*Title:* H T H. For a Preparation Used as a Germicide, Deodorant, and Disinfectant. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Published December 30, 1938.

52,838.—*Title:* RED Z, ARIZONA. For Fresh Citrus Fruit. MESA CITRUS GROWERS, Mesa, Ariz. Published May 7, 1938.

52,839.—*Title:* WITE-FLOS. For Bathroom Tissue. MILL AGENTS AND DISTRIBUTORS, INC., Oakland, Calif. Published January 15, 1939.

52,840.—*Title:* NATIONAL BISCUIT SHREDDED WHEAT. For a Cereal. NATIONAL BISCUIT COMPANY, New York, N. Y. Published March 1, 1939.

52,841.—*Title:* JACK FROST EXTRA-FINE POWDERED SUGAR. For Extra Fine Powdered Sugar. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, New York, N. Y. Published October 1, 1938.

52,842.—*Title:* JACK FROST DARK BROWN SUGAR. For Dark Brown Sugar. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, New York, N. Y. Published October 1, 1938.

52,843.—*Title:* JACK FROST CONFECTIONERS XXXX SUGAR. For Confectioner's Sugar. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, New York, N. Y. Published October 1, 1938.

52,844.—*Title:* JACK FROST LIGHT BROWN SUGAR. For Light Brown Sugar. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, New York, N. Y. Published October 1, 1938.

52,845.—*Title:* KEM KEL. For Cleaning Compound. EARLE M. NORTH, doing business as North Distributing Company, Houston, Tex. Published December 31, 1938.

52,846.—*Title:* SHU-SHINE DOO-DABS. For Shoe Cleaners. OSMIC CHEMICAL COMPANY, Brockton, Mass. Published March 1, 1939.

52,847.—*Title:* SPOTLESS SPOT. For Sandwiches. CHRISTIE A. PHILIOS, Akron, Ohio. Published March 2, 1939.

52,848.—*Title:* SPEARS GOLDEN BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published March 1, 1939.

52,849.—*Title:* BIG CHIEF—NO RUBBING WAX. For No Rubbing Wax. PONTIAC PAINT & CHEMICAL WORKS, INC., New York, N. Y. Published August 30, 1937.

52,850.—*Title:* CHIEF—TEX FLAT WALL FINISH. For a Flat Wall Finish. PONTIAC PAINT & CHEMICAL WORKS, INC., New York, N. Y. Published May 4, 1937.

52,851.—*Title:* SOMEKLOR. For a Stain Remover and Bleach. MAUDE SEELBACH, doing business as Some Products Company, Chicago, Ill. Published February 28, 1939.

52,852.—*Title:* SEM SUPER SOFT TISSUE 1000 SHEETS 4½ × 5. For an All Purpose Tissue. SEMINOLE PAPER CORPORATION. New York, N. Y. Published March 28, 1938.

52,853.—*Title:* BAR-TROPIN. For Medicinal Tablets. TESTAGAR LABORATORIES, INC., Detroit, Mich. Published March 10, 1939.

52,854.—*Title:* REAL WORTH. For Composition Books. PAUL E. TROUCHE, Charleston, S. C. Published March 7, 1939.

52,855.—*Title:* REAL WORTH. For Writing Tablets. PAUL E. TROUCHE, Charleston, S. C. Published March 7, 1939.

52,856.—*Title:* REAL WORTH. For Note-Book Filler Paper. PAUL E. TROUCHE, Charleston, S. C. Published March 7, 1939.

52,857.—*Title:* REXO. POWDERED SOAP PERFECT HAND CLEANER. For Powdered Soap. ANTHONY L. ZAMOROSKY, doing business as Veri-Best Product Co., Latrobe, Pa. Published January 3, 1939.

PRINTS

REGISTERED APRIL 18, 1939

17,354.—*Title:* ANTHONY HYDRAULIC. For Hydraulic Hoists for Any Make, Model or W. B. Chassis. ANTHONY COMPANY, Streator, Ill. Published December 27, 1938.

17,355.—*Title:* DINKY DINER. For Car Bodies, Specially Designed for Dispensing Food. BROCK INDUSTRIES INC., Pittsburgh, Pa. Published July 18, 1938.

17,356.—*Title:* PROCAINE IN COMBINATION WITH FRUIT ACIDS SUB-RIN (BRAND) TRIOCAINE (BRAND). For a Local Anesthetic. DAVID CURTIS, doing business as The De-Ce Products Co. of New York (Anestex Laboratories), New York, N. Y. Published March 15, 1939.

17,357.—*Title:* ECONOMY. For a Game. EMILY SCHIFFMANN, doing business as Schiffmann Brothers, Chicago, Ill. Published November 23, 1938.

17,358.—*Title:* ANNOUNCING THE NEW SUPER-SOFT DR. SCHOLL'S ZINO-PADS. For Pads for Corns, Callouses, Bunions, Soft Corns, and Foot Irritations. THE SCHOLL MFG. CO. INC., Chicago, Ill. Published March 1, 1939.

17,359.—*Title:* SMALLHOUSE CO_2 AIR CONDITIONER. For Air Conditioning Units. ALBERT EDWARD SMALLHOUSE, Bakersfield, Calif. Published January 1, 1939.

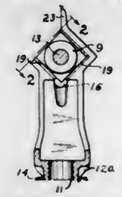
17,360.—*Title:* FOR LUNCH TASTYKAKE KRIMPET. For Cake. TASTY BAKING COMPANY, Philadelphia, Pa. Published March 13, 1939.

17,361.—*Title:* THEY GO TOGETHER. For Beer and Cheese. WISCONSIN STATE BREWERS' ASSOCIATION, Milwaukee, Wis. Published January 1, 1939.

REISSUES

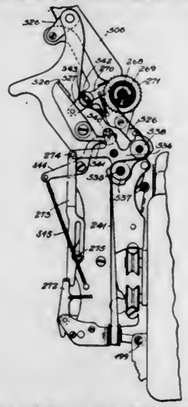
APRIL 18, 1939

21,049
ROD LINE IDLER
David Erickson, Wichita Falls, Tex.
Original No. 2,044,526, dated June 16, 1936, Serial No. 29,549, July 2, 1935. Application for reissue June 16, 1937, Serial No. 148,613
9 Claims. (Cl. 308—7)



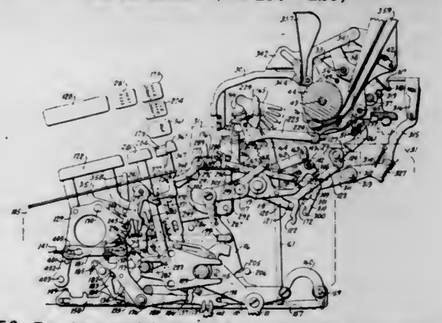
1. A rod line and guide comprising a forked head having fork members with substantially square boxes at the upper ends of the fork members and arranged with the diagonal axes in vertical and horizontal positions and the inner and an upper side of the boxes open and having the inner lower corners cut away, and having raised seats upon the inner faces of the lower sides and having hollow ribs connecting with the cut away corner portions, and having tapering projections adjacent the base of the fork to wedgingly engage a support to which the head is adapted to be fitted.

21,050
LISTING ADDING MACHINE
Loring Pickering Crosman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Original No. 2,118,700, dated May 24, 1938, Serial No. 185,241, January 15, 1938. Application for reissue January 13, 1939, Serial No. 250,857
9 Claims. (Cl. 197—128)



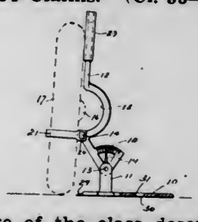
1. In a listing adding machine having a platen, a shiftable platen carriage, and paper feeding means including a pair of normally disengaged rolls and a pressure roll normally engaging the platen, and means for shifting said carriage including a unitary element; means cooperating with said unitary element for moving said disengaged rolls into engagement and said pressure roll away from the platen.

21,051
ACCOUNTING MACHINE
John T. Davidson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original No. 2,138,482, dated November 29, 1938, Serial No. 156,865, August 2, 1937. Application for reissue February 4, 1939, Serial No. 254,721
56 Claims. (Cl. 197—128)



56. In typewriting and accounting machines having a carriage laterally movable in opposite directions, and a paper-supporting platen mounted on the carriage and movable from closed-throat to open-throat position to permit the insertion of paper and back to closed-throat position, the combination of a power means; normally ineffective connections intermediate the power means and platen, said connections when effective acting to move said platen from closed-throat to open-throat position; and manipulative means for rendering said connections effective independent of any movement or position of the carriage.

21,052
WHEEL CENTERING AND CAMBER GAUGE
Oswin Haucke, Brooklyn, N. Y.
Original No. 2,090,294, dated August 17, 1937, Serial No. 108,921, November 3, 1936. Application for reissue April 5, 1938, Serial No. 201,192
34 Claims. (Cl. 33—203)

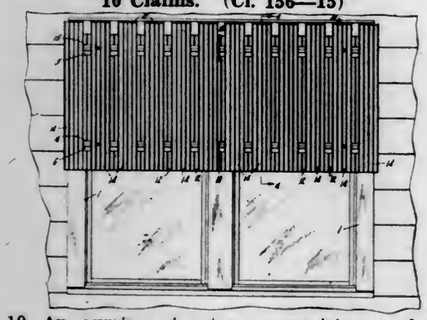


1. A gauge of the class described comprising a base, a vertical gauge arm pivotally mounted on said base and having sidewardly-extending members for contacting with the sides of a wheel, a scale associated with said gauge arm, a pointer associated with the base for indicating on the scale the camber angle of the wheel being tested, and a sleeve slidingly mounted on the gauge arm to enable it to be lengthened or shortened.

23. A gauge of the class described comprising a base, a vertical gauge arm pivitally mounted on said base and having sidewardly extending mem-

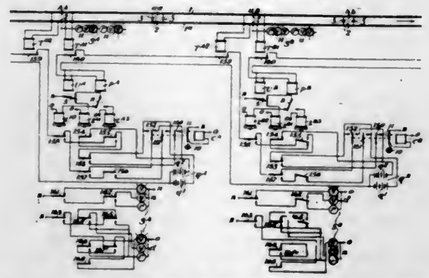
bers for contacting the sides of a wheel, indicating means associated with said gauge arm and indicating means associated with said base for indicating the camber angle of a wheel being tested, a scale diagram for locating the position of a vehicle wheel on its resting surface, and indicating means associated with said base for locating the position of a wheel on the scale diagram.

21,053
AWNING
Albert T. Matthews, Silvertown, Ga., assignor of one-half to Thornton G. Graham, Akron, Ohio
Original No. 2,069,893, dated February 9, 1937, Serial No. 646,095, December 7, 1932. Application for reissue February 7, 1939, Serial No. 255,097
10 Claims. (Cl. 156—15)



10. An awning structure comprising, a front section including longitudinal supports, upper strips fastened to the supports and arranged in parallel spaced relation, lower strips also carried by the supports and spaced from the upper strips, said lower strips being spaced from each other and being arranged in staggered overlapping relation with respect to the upper strips whereby air may freely circulate between said upper and lower strips, means for securing the upper longitudinal edge portion of the front section to a support, and means secured to each transverse edge portion of the front section for supporting said front section in an inclined position with relation to said support.

21,054
RAILWAY TRAFFIC CONTROLLING APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original No. 2,141,803, dated December 27, 1938, Serial No. 692,155, October 4, 1933. Application for reissue February 28, 1939, Serial No. 258,945
47 Claims. (Cl. 246—50)



41. In combination, a stretch of railway track divided into a plurality of consecutive track sections, a pair of conductors for each section, means for each section for supplying the conductors for the section next in the rear with constant current of a given polarity or with constant current of the opposite polarity or with periodically interrupted current of each of said two polarities according to traffic conditions in advance, and a signal for each section capable of displaying four distinct clear block indications which are selectively controlled by said four forms of current received from said conductors.

PLANT PATENTS

GRANTED APRIL 18, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

326
ROSE
Verne Stone Hillock, Arlington, Tex.
Application May 27, 1937, Serial No. 145,130
1 Claim. (Cl. 47—61)

A variety of rose substantially as shown and described, characterized particularly by its resistance to disease and cold, its superior bud, its abundant dark green foliage, and its blossoms of distinctive color and numerous petals of improved texture as compared with its nearest known competitor, the Mrs. Pierre S. du Pont rose.

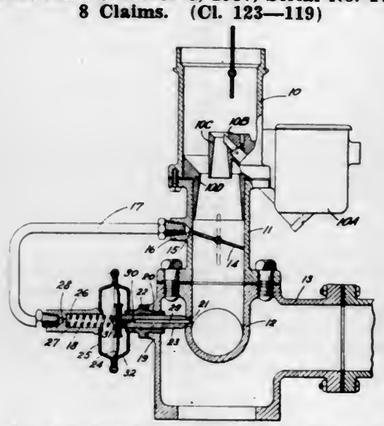
327
APPLE
James W. Savely, near Hendersonville, Tenn.
Application March 5, 1938, Serial No. 194,230
1 Claim. (Cl. 47—62)

The apple tree variety herein described characterized by the acid flavor and early ripening of the fruit.

PATENTS

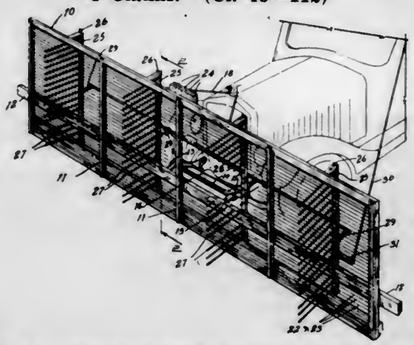
GRANTED APRIL 18, 1939

2,154,417
FUEL CONTROL FOR INTERNAL COMBUSTION ENGINES
Raymond M. Anderson, Detroit, Mich., assignor of one-half to Harold D. Church, Cleveland Heights, Ohio
Application November 6, 1937, Serial No. 173,223
8 Claims. (Cl. 123—119)



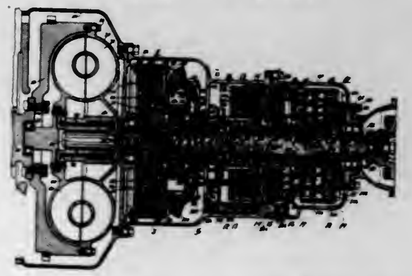
1. In an internal combustion engine embodying an intake pipe having a throttle therein and an exhaust pipe surrounding a portion of the intake pipe, mechanism to reduce the vacuum in said intake pipe during the operation of said engine comprising a valve adapted to admit exhaust gas and atmospheric air to said intake pipe, a pressure responsive device operatively connected to said valve, a conduit connected with said pressure responsive device and with said intake pipe, said conduit being disposed in relation to said throttle to effect communication between said pressure responsie device and said intake pipe as said throttle is open.

2,154,418
INSECT EXTERMINATOR
Erling Christensen, Brush, Colo.
Application September 28, 1937, Serial No. 166,062
4 Claims. (Cl. 43—112)



2. An insect exterminator comprising: a frame; a series of parallel wires stretched across said frame, the alternate wires of said series being connected together; a transforming coil; means for connecting the output of said coil to the intermediate wires of said series; vertical shafts positioned adjacent said wires; rods projecting from said shafts intermediate said wires; and means for oscillating said shafts to cause said rods to sweep between said wires, to clear them of adhering material.

2,154,419
AUTOMATIC PLANETARY AUTOMOTIVE TRANSMISSION
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Original application January 20, 1936, Serial No. 59,879. Divided and this application March 15, 1937, Serial No. 130,879
20 Claims. (Cl. 74—259)

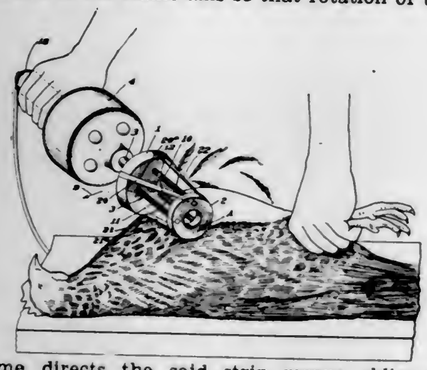


1. In a power transmission mechanism, a driving member, a driven member, a friction clutch for connecting said members, gearing for drivably connecting said members whenever said clutch is disengaged, a spring under stress, a spring compressing member positioned to receive the spring reaction at its one end, a centrifugal weight operative upon increase in speed to move said spring compressing member to further compress said spring, a clutch engaging member positioned to receive the spring reaction at its other end, said clutch engaging member being normally moved by said spring reaction to a position which holds the clutch engaged, and a torque responsive means operative by load on said gearing to move said clutch engaging member oppositely to hold said clutch disengaged, whereby clutch disengagement is always automatically terminated by generation of weight force in excess of the torque reaction of the gear load.

2,154,420
APPARATUS FOR PLUCKING FOWL
Oscar H. Crapo, Dartmouth, Mass.
Application June 4, 1936, Serial No. 83,416
3 Claims. (Cl. 17—11.1)

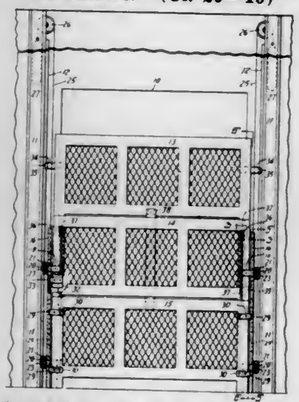
2. A device for plucking fowl comprising a rotatable frame having strip means secured to its periphery and adapted to strike the feathers of the fowl with a rapid succession of percussions when the frame is rotated adjacent the skin of the fowl, the said strip means being spaced from

the interior of the frame and obliquely disposed relative to the frame axis so that rotation of the



frame directs the said strip means obliquely against the feathers.

2,154,421
COLLAPSIBLE GATE
Arthur W. Cunningham, Dayton, Ohio
Application April 4, 1938, Serial No. 199,838
10 Claims. (Cl. 20—19)



1. A gate of the character described comprising an intermediate section, upper and lower sections, means for supporting said upper and lower sections on said intermediate section for simultaneous movement to or from positions overlapping said intermediate section, means separate from and independent of said supporting means for connecting said upper and lower sections one to the other to positively limit their movements from said overlapping positions, and means for mounting the several sections for simultaneous movement toward or from an elevated position.

2,154,422
COMPOSITION OF MATTER AND PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser and Charles M. Blair, Jr., Webster Groves, Mo., assignors to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 12, 1938, Serial No. 224,462
18 Claims. (Cl. 196—4)

1. A composition of matter comprising products of the kind derivable by esterification reaction between: First, an amine of the formula type

$$(OH.RCOO.C_nH_{2n})_m-N<^{(H)_{m'}}_{(T)_{m''}}$$

in which OH.RCOO represents the oxy-acyl radical derived from a hydroxylated fatty acid; T represents a non-hydroxy hydrocarbon radical or the acylated radical obtained by replacing the hydrogen atom of the hydroxyl group of an alkylol radical by the acyl radical of a monobasic carboxy acid having less than 32 carbon atoms; n represents a small whole number which is less than 10; m represents the numeral 1, 2, or 3; m' represents the numeral 0, 1 or 2, and m'' represents the numeral 0, 1 or 2, with the proviso that $m+m'+m''=3$; and, second, a polybasic carboxy acid compound characterized by: (*a*) the presence of at least one free carboxyl radical; (*b*) the absence of any hydroxy fatty acid radical as a substituent for an acidic hydrogen atom of any carboxyl radical; (*c*) the absence of any polyhydric alcohol radical as a substituent for an acidic hydrogen atom of any carboxyl radical if said polyhydric alcohol radical is also united with one or more monobasic carboxy detergent-forming acid radicals.

10. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising products of the kind derivable by esterification reaction between: First, an amine of the formula type

$$(OH.RCOO.C_nH_{2n})_m-N<^{(H)_{m'}}_{(T)_{m''}}$$

in which OH.RCOO represents the oxy-acyl radical derived from a hydroxylated fatty acid; T represents a non-hydroxy hydrocarbon radical or the acylated radical obtained by replacing the hydrogen atom of the hydroxyl group of an alkylol radical by the acyl radical of a monobasic carboxy acid having less than 32 carbon atoms; n represents a small whole number which is less than 10; m represents the numeral 1, 2 or 3; m' represents the numeral 0, 1 or 2, and m'' represents the numeral 0, 1 or 2, with the proviso that $m+m'+m''=3$; and, second, a polybasic carboxy acid compound characterized by: (*a*) the presence of at least one free carboxyl radical; (*b*) the absence of any hydroxy fatty acid radical as a substituent for an acidic hydrogen atom of any carboxyl radical; (*c*) the absence of any polyhydric alcohol radical as a substituent for an acidic hydrogen atom of any carboxyl radical if said polyhydric alcohol radical is also united with one or more monobasic carboxy detergent-forming acid radicals.

2,154,423
COMPOSITION OF MATTER AND PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser and Charles M. Blair, Jr., Webster Groves, Mo., assignors to The Tret-O-Lite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application August 12, 1938. Serial No. 224,463
18 Claims. (Cl. 196—4)

1. A composition of matter, comprising products of the kind derivable by esterification reactions between: first, an amine of the formula type

$$(R.COO.C_nH_{2n})_m-N<^{N(T)_{m''}}_{(OH.C_nH_{2n})_m}$$

in which R.COO represents the oxy-acyl radical derived from a detergent-forming monocarboxy acid having not more than 32 carbon atoms; T represents a hydrogen atom or a non-hydroxy hydrocarbon radical or the acylated radical derived by replacing a hydrogen atom of the hydroxyl group of an alkylol radical by the acyl radical of a monobasic carboxy acid having less than 8 carbon atoms; n represents a small whole number which is less than 10; m represents the number 1 or 2; m' represents the number 1 or 2, and m'' represents the number 0 or 1, with the proviso that $m+m'+m''=3$; and, second, a polybasic carboxy acid compound characterized by: (*a*) the presence of at least one free carboxyl radical; (*b*) the absence of any hydroxy fatty acid radical as a substituent for an acidic hydrogen atom of any carboxyl radical; (*c*) the absence of any polyhydric alcohol radical as a substituent for an acidic hydrogen atom of any carboxyl radical if said polyhydric alcohol radical is also united with one or more monobasic carboxy detergent-forming acid radicals.

10. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising products of the kind derivable by esterification reaction between: first, an amine of the formula type

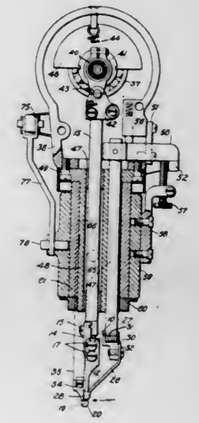
$$(R.COO.C_nH_{2n})_m-N<^{N(T)_{m''}}_{(OH.C_nH_{2n})_m}$$

in which R.COO represents the oxy-acyl radical derived from the detergent-forming monocarboxy acid having not more than 32 carbon atoms; T represents a hydrogen atom or a non-hydroxy hydrocarbon radical or the acylated radical derived by replacing a hydrogen atom of the hydroxyl group of an alkylol radical by the acyl radical of a monobasic carboxy acid having less than 8 carbon atoms; n represents a small whole number which is less than 10; m represents the number 1 or 2; m' represents the number 1 or 2, and m'' represents the number 0 or 1, with the proviso that $m+m'+m''=3$; and, second, a polybasic carboxy acid compound characterized by: (*a*) the presence of at least one free carboxyl radical; (*b*) the absence of any hydroxy fatty acid radical as a substituent for an acidic hydrogen atom of any carboxyl radical; (*c*) the absence of any polyhydric alcohol radical as a substituent for an acidic hydrogen atom of any carboxyl radical if said polyhydric alcohol radical is also united with one or more monobasic carboxy detergent-forming acid radicals.

2,154,424
METHOD OF REFINING PETROLEUM DISTILLATES
Clinton E. Dolbear, Los Angeles, Calif., assignor to Philip Wiseman, P. Kenneth Wiseman and Clinton E. Dolbear, trustees
No Drawing. Application March 1, 1935, Serial No. 8,927
4 Claims. (Cl. 196—29)

1. The method of removing gums, gum-forming compounds, and objectionable sulphur-bearing organic compounds from an acid-treated petroleum distillate, which comprises: bringing such a distillate, in liquid phase, into contact with a material consisting substantially wholly of an inorganic compound of an alkaline earth metal which will react to cause removal of gums, gum-forming compounds and moisture from said distillate by such contact; and then passing the contacted distillate, in the presence of a gaseous oxidizing agent and in the substantial absence of water, into contact with a solid oxidation catalyst comprising sodium ferrite.

2,154,425
TRIMMING MACHINE
Walter P. Abell, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 14, 1937, Serial No. 168,919
Renewed June 10, 1938
11 Claims. (Cl. 164—47)



1. A trimming machine comprising a cutting blade having a cutting edge at one end, power-driven means for reciprocating said blade endwise, a cutter-guard having a portion arranged to engage a face of, and mask the cutting end of, said blade when the latter is at the terminal limit of its cutting stroke, said cutter-guard being manually movable from its end-masking position to shift said masking portion along said blade toward the opposite end thereof far enough to unmask said cutting end, and said masking portion having a shearing edge arranged to lie in shearing relation to said cutting edge when the guard stands in the aforesaid end-masking position.

2,154,426
DEVICE TO INDICATE THE TEMPERATURE OF COOKING MEAT
John H. Adams, Seattle, Wash.
Application June 10, 1936, Serial No. 84,554
3 Claims. (Cl. 73—352)

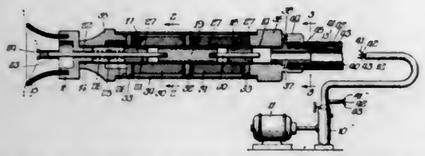
2. A thermometer for culinary use comprising a housing having indicia thereon and formed with upper and lower sections, insulating means between said sections, a spiral heat expansive unit within said lower section, a temperature indicat-

ing pointer within said upper section, and a two part shaft for transmitting rotary motion from



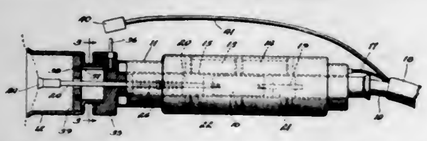
said spiral unit to said temperature indicator and an insulating coupling for said shaft.

2,154,427
ELECTRIC VIBRATOR
Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application October 29, 1935, Serial No. 47,291
10 Claims. (Cl. 128—55)



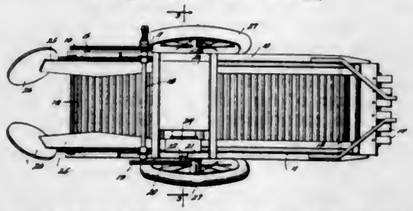
5. In an electric massage device, a hand applicator comprising a suction cup and a hollow tube extending therefrom, an electric vibrator comprising coils mounted on the tube, an armature core movable in the tube, and a stem extending from the core into the cup, suction means applied to the end of the tube opposite the cup and comprising a flexible hose having electric conducting wires fabricated about the outside of the hose and connected at the ends of the hand applicator to the ends of the coils for supplying current thereto.

2,154,428
VIBRATOR HEATER
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application April 10, 1937, Serial No. 136,093
8 Claims. (Cl. 219—21)



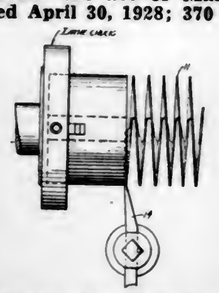
1. In a vibrator having an applicator cup, an applicator stem movable in the cup, means to vibrate the stem and a heater located in the cup adjacent the cup end of the stem.

2,154,429
POTATO DIGGER
Frederic H. Bateman, Grenloch, N. J., and Isaac Trolley, York, Pa., assignors to Fred H. Bateman Company, Camden, N. J., a corporation of New Jersey
Application March 1, 1937, Serial No. 128,536
5 Claims. (Cl. 55—51)



1. A potato digger having a digging means, means for separating the earth from the potatoes, supporting wheels for the digger, one of the wheels having its ground engaging portion substantially beneath the edge of the separating means, the wheel being tilted outwardly relative to the vertical.

2,154,430
HEAT EXCHANGING ELEMENT AND PROCESS OF MAKING THE SAME
Alfred J. Berg, Portsmouth, N. H., and John O. Huse, United States Navy
Application February 14, 1936, Serial No. 63,894
8 Claims. (Cl. 29—157.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

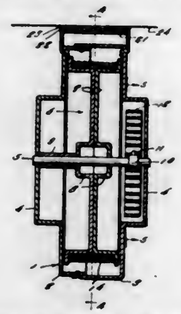


1. The method of making a helical heat exchange fin comprising progressively and substantially uniformly cutting a bar of high heat conductivity metal continuously at its end and in the direction of its length to directly form by the cutting operation a helical heat exchange fin having a substantially uniform thickness throughout and a height equal to many times its thickness, the said fin being adapted to be secured to a heat exchange element.

2,154,431
FLYPAPER HOLDER
James A. Blair, Taneytown, Md.
Application January 21, 1938, Serial No. 186,209
1 Claim. (Cl. 242—107)

A fly paper holder of the class described comprising a metallic casing including a pair of complemental connected sections, said sections comprising centrally located, circular lateral extensions providing annular chambers, a shaft journalled transversely in the casing, a reel fixed on said shaft, a cord having one end secured to the reel for winding thereon, means on the other end of the cord for attaching a ribbon of fly paper thereto, a spacing sleeve on one end

portion of the shaft between the reel and one side of the casing, a collar fixed on the other end portion of the shaft, a pin projecting from said collar, a clock spring encircling the collar and having its outer end secured to the peripheral



wall of one of the chambers, the pin extending through the inner end portion of said spring for connecting the spring to the shaft, said spring constituting means for actuating the reel in one direction for winding the cord thereon, and means for attaching the casing to a support.

2,154,432
THERAPEUTIC COLLOID
Garth Wilkinson Boericke and William Wallace Young, Philadelphia, Pa., assignors to J. C. Shay, Incorporated, Philadelphia, Pa.
No Drawing. Application April 27, 1936, Serial No. 76,602
4 Claims. (Cl. 167—66)

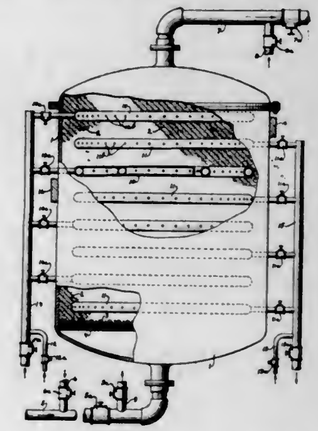
1. A process for preparing lanolin sol which consists in agitating lanolin with ethyl alcohol, mixing said lanolin and said ethyl alcohol with approximately three times their volume of distilled water, expelling substantially all of said ethyl alcohol by heat, and filtering the hydro-alcoholic emulsion of said lanolin.

2,154,433
PROCESS FOR PRESERVING WOOD
Ernest R. Boller, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1938, Serial No. 205,010
3 Claims. (Cl. 21—27)

1. In a process for the preservation of wood and similar fibrous cellulosic materials by impregnation with aqueous solutions containing zinc and chromate ions the method for fixing the zinc and chromium in the fibers of the material which comprises heating the impregnated material while containing water in excess of the fiber saturation point under conditions such that a substantial portion of the impregnated material is heated to a temperature of at least about 220° F. for at least about one-half hour.

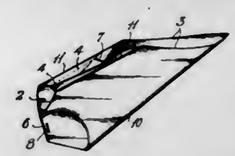
2,154,434
METHOD AND APPARATUS FOR THE REFINING OF VISCOUS HYDROCARBON OIL
George R. Bond, Jr., Paulsboro, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application August 27, 1935, Serial No. 38,023
6 Claims. (Cl. 196—147)

1. In refining and decolorizing a petroleum oil of the lubricating range, the process which comprises passing such oil through a bed of decolorizing material, said bed of material being made up of an adsorptive blend of silica and alumina molded into pieces or pastilles of regular sizes and shapes to provide large sized void spaces throughout the said bed of material, said void spaces constituting from 30 to 50% of the total volume of said bed of material, so as to prevent channeling and to permit uniform regeneration in situ of such bed of material, passing an auxiliary fluid agent capable of effecting removal of unde-



sirable components including color bodies, comprising a hydrocarbon fluid which is at least as low boiling as naphtha, namely boiling within the range from the boiling point of heptane down to and including that of propane, through said bed of decolorizing material in admixture with the petroleum oil to be decolorized, and at intermittent periods interrupting the passage of oil and auxiliary fluid and regenerating said bed of material in situ to remove solid combustible deposits therefrom.

2,154,435
TOOTH BRUSH GUARD
Frank M. Bouchard, St. Elmo, Ala.
Application April 2, 1937, Serial No. 134,632
1 Claim. (Cl. 206—15.1)

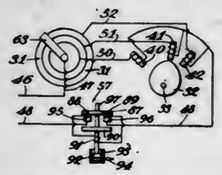


A toothbrush cover comprising a single blank of relatively stiff waterproof material, said blank having a notch in the center of its upper edge, the corners of said blank being cut away adjacent said notched upper edge, straight sides adjacent said cut away corners, tapering sections adjacent said straight sides, said blank adapted to be creased in a longitudinal direction from said notched upper edge and cut away corners, said notched upper edge forming stop means and said tapering sections forming an opening for insertion of a toothbrush, said straight sides adapted to snugly embrace the toothbrush bristles, and staples for fastening said creased portions together.

2,154,436
ABRASIVE
Willard E. Catlin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 13, 1937, Serial No. 136,673
5 Claims. (Cl. 51—280)

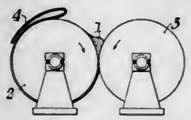
1. An abrasive composition comprising finely divided abrasive material intimately mixed and bonded with synthetic linear condensation polyamide.

2,154,437
CONTROL MECHANISM APPLICABLE TO RADIO TUNING AND OTHER USES
Raymond W. Colton, Washington, D. C.
Application January 5, 1934, Serial No. 705,420
7 Claims. (Cl. 250—20)



2. Selecting mechanism comprising an element to be positioned, a plurality of selectively energized electromagnets, each provided with a circuit, a member for imparting motion to said element and responsive by attraction to any of said eletcromagnets having its circuit closed, means for closing a plurality of predetermined circuits in any desired order for effecting predetermined settings of said element and means responsive to the closing of any of said circuits to open the same after a predetermined time.

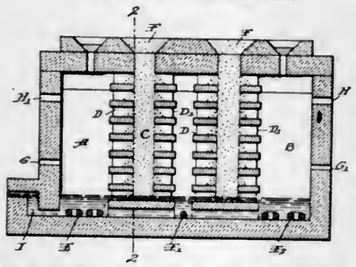
2,154,438
MANUFACTURE OF DECORATIVE PLASTICS
Frederick R. Conklin, Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City N. J., a corporation of New Jersey
Application May 18, 1934, Serial No. 726,311
14 Claims. (Cl. 18—61)



10. The method of forming unusual effects in plastic sheets which comprises kneading a plastic mass of cellulose organic derivative material free from volatile solvents between heated rolls, heterogeneously disposing in the mass during the kneading step a number of pieces of previously prepared cellulose derivative plastic material containing effect materials of different light-transmitting and reflecting properties than the mass and thereafter subjecting the resulting mixture to a hot pressing operation in a platen press having one of the platens at a higher temperature than the other thereby causing differential merging and flowing of the added portions in attenuated, cloudlike, but substantially unstratified form, within the mass.

14. The process of making a variegated decorative plastic material which comprises kneading a plastic mass of cellulose organic derivative material free from volatile solvents, heterogeneously disposing in the mass during the kneading step, a number of pieces of previously prepared cellulose derivative plastic material containing effect materials of different light transmitting and reflecting properties than the mass and granulating the composition to form a granular molding material.

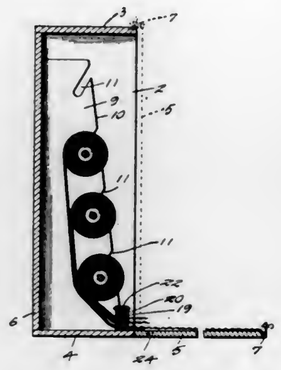
2,154,439
METHOD FOR PREPARING ALKALI SALTS
Anders E. A. S. Cornelius, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., a corporation of New York
Application April 29, 1936, Serial No. 77,061
In Norway May 1, 1935
4 Claims. (Cl. 23—52)



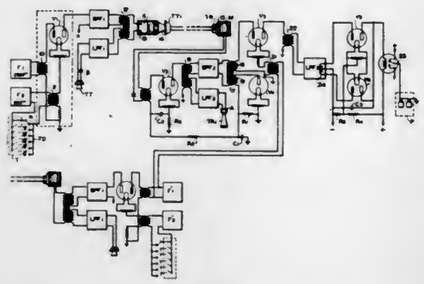
1. The process of preparing a product selected from a group consisting of alkali metal and alkali earth metal silicates and aluminates which comprises continuously reacting a compound containing the anion of the desired product while in substantially the form of a layer substantially completely exposed on one side thereof with a compound containing the cation of the desired product and a gas selected from a group consisting of hydrogen and oxygen containing gases and capable of entering into the reaction, the gas being passed into contact with the layer on its exposed surface and at elevated temperature, the reaction mixture being directly heated to such a temperature that the compounds will combine continuously at the exposed surface with the reaction proceeding in one direction to form the desired product in molten state and without opportunity for the reaction to move in the opposite direction, and continuously removing the molten reaction product as the same is formed and carrying on the reaction.

2,154,440
ROLL MATERIAL DISPENSER
Andrew P. Crotts, Marlow, Okla., assignor of one-sixth to James T. Crotts, one-sixth to Lawrence A. Edwards, and one-sixth to Charles P. McKinney; all of Marlow, Okla.
Application December 31, 1937, Serial No. 182,907
2 Claims. (Cl. 242—55.3)

1. A dispensing structure for a plurality of rolls of material, comprising a pair of spaced supports, a plurality of shafts connecting between and carried by said supports and each adapted to carry a roll of material, and securing means for the ends of a plurality of rolls of material carried by said shafts, consisting of a plurality of flat bars disposed below said shafts and parallel therewith and in superimposed relation, a vertically disposed guide at each end of said plurality of strips and slidably receiving the adjacent ends of the strips whereby the latter may be moved and separated vertically, and an expansion spring means in each of said guides engaging the uppermost one of the strips and exerting a downward pressure upon all of the strips whereby ends of material drawn between these strips will be held against accidental displacement.



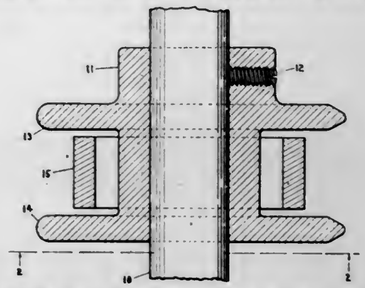
2,154,441
TELEGRAPH SYSTEM
Fernand E. d'Humy, Scarsdale, N. Y., and Lawrence W. Franklin, Hasbrouck Heights, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 18, 1935, Serial No. 27,238
Renewed March 9, 1938
30 Claims. (Cl. 179—4)



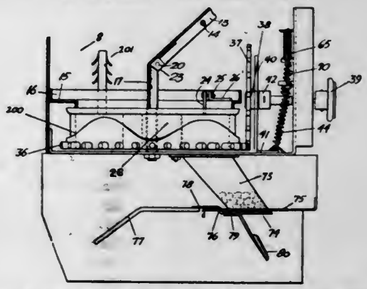
1. The method of telegraph communication over a telephone system comprising producing electrical oscillations of a predetermined frequency, keying said oscillations in accordance with a telegraph code, producing electrical oscillations of a higher frequency, modulating said latter oscillations in accordance with said keyed oscillations, utilizing said modulated oscillations to produce tone signals and impressing said tone signals on the transmitter of the telephone system.

2,154,442
WIRE VIBRATION DAMPER
Walter S. Diehl, United States Navy
Application February 7, 1938, Serial No. 189,122
4 Claims. (Cl. 188—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A wire vibration damper comprising a collar adapted to be secured to the wire whose vibration is to be damped, and a weight encircling said collar, said weight being restrained from axial movement but being unrestrained within the limits of its motion in a plane at right angles to the axis of the wire.



2,154,443
VENDING MACHINE
Parker H. French, Somerville, Mass., assignor to Trimount Coin Machine Company, Boston, Mass.
Application June 12, 1936, Serial No. 84,917
3 Claims. (Cl. 221—108)



1. In a vending machine of the type described, a vertical containing chamber having a sloped wall at the base thereof, a cover formed at the bottom of said chamber, said cover being provided with a circular opening, a partition extending from the sloped wall of said chamber extending diametrically into said opening, said partition being provided at the sides with gates, one gate being tensioned to move in one direction, the other gate being formed of independent elements, each tension to move in a direction opposite from that of the first gate.

2,154,444
METHOD FOR IMPROVING AND PURIFYING PETROLEUM BYPRODUCTS
Frederick E. Frey and Paul A. Bury, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application May 2, 1934, Serial No. 723,607
8 Claims. (Cl. 260—94)

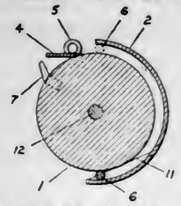
1. A process for improving the molding properties, appearance, and mechanical strength of the resinous products of the reaction of sulfur dioxide with olefinic organic bodies, which comprises bringing the said resinous product into contact with a liquid organic solvent thereby effecting an extraction of soluble bodies from the resinous product, then mechanically separating the liquid solvent from the resinous product, thereafter freeing said product from adhering solvent by evaporation.

2,154,445
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,011
10 Claims. (Cl. 121—13)



1. In a rock drill, a pressure fluid actuated hammer motor for actuating a drill steel and having moving motor parts, and lubricator means embodied in the rock drill for supplying lubricant to the moving motor parts irrespective of the supported position of the drill and comprising a lubricant reservoir, passage means for supplying pressure fluid to said reservoir and for discharging lubricant from said reservoir to said motor irrespective of the angular or endwise tilted positions of the drill, said supply and discharge passage means including a weighted member swingably mounted in said reservoir and having a fluid supply passage and a lubricant discharge passage both communicating with said reservoir in all positions of the weighted member about its pivot.

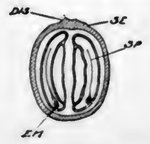
2,154,446
METHOD AND APPARATUS FOR FORMING PLASTIC MATERIALS INTO CYLINDERS OF PREDETERMINED LENGTH AND DIAMETER
Albertus Hendrik Haupt, Somerset West, Cape Province, Union of South Africa, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 5, 1935, Serial No. 34,822
In Great Britain October 26, 1934
8 Claims. (Cl. 18—5)



1. Apparatus suitable for forming plastic or gelatinous material into cylinders of predetermined length and diameter comprising means for extruding a length of plastic material exceeding both in length and diameter the dimensions of the required cylinder, means for shearing the extruded length, means for rolling the material to desired diameter and including a revolving drum and a fixed shield approximately concentric with the said drum and at a distance therefrom dependent on the diameter of the required cylinder, means for feeding the sheared-off length into the space between the drum and the shields, and means for shearing the length of plastic material to the desired length after rolling.

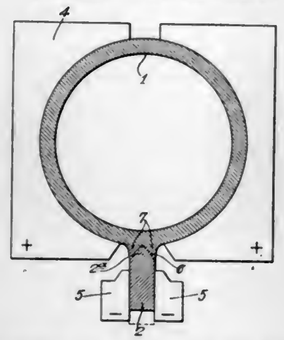
2,154,447
COFFEE PRODUCT AND METHOD OF PRODUCING THE SAME
Wilbert A. Heyman, New York, N. Y.
Application November 27, 1935, Serial No. 51,825
9 Claims. (Cl. 99—65)

1. The herein described process of treating roasted coffee which comprises cracking the coffee bean whereby to pulverize the inner endosperm and embryo, screening the cracked product



to eliminate the pulverized portion thereof, and then grinding the remainder of the product to the desired size.

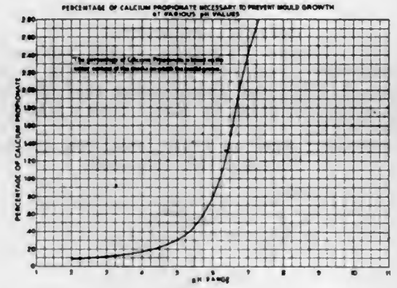
2,154,448
METHOD OF PRODUCTION OF CERTAIN TUBULAR UNITS
Le Roy H. Hoffer, Brooklyn, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application December 4, 1936, Serial No. 114,108
4 Claims. (Cl. 29—157.3)



1. The method of manufacturing tubular units of the character described which comprises the rolling of a metal bar of substantially rectangular cross-section with grooves in opposite faces extending nearly through its thickness, dividing it into slugs and cutting notches at the ends of the grooves and separating each such slug into two parts along the center of the grooves to form substantially rectangular members with one edge portion bevelled along its side faces and also of reduced length, welding the members along the edges to a tube under pressure which forces the metal of the member outward, the reduction in length being sufficient to accommodate the metal forced out so as to permit the locating of the members in line along the tube with such slight spaces between them as to constitute a practically continuous wall of metal.

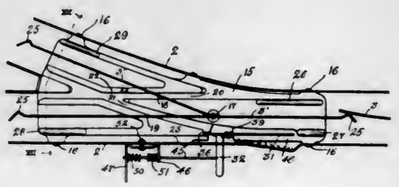
2,154,449
PROCESS FOR INHIBITION OF MOLD
Charles Hoffman, Scarsdale, Gaston Dalby, New York, and Thomas R. Schweitzer, South Ozone Park, N. Y., assignors to Ward Baking Company, New York, N. Y., a corporation of New York
Application June 15, 1938, Serial No. 213,908
16 Claims. (Cl. 99—90)

1. The method of inhibiting mold growth in bread made from a fermented dough, other than sour dough bread made from non-glutenous flour, which comprises incorporating into the bread dough prior to baking mold inhibiting quantities of a material selected from the group consisting of propionic acid and its ammonium alkali metal and alkaline earth metal salts.



15. As a new article of manufacture, bread made from a fermented dough, other than sour dough bread made from non-glutenous flour, and inhibited against mold growth according to the method set forth in claim 1, and having the inhibitor uniformly distributed throughout the bread.

2,154,450
TOY RAILWAY
John W. Holt, Cleveland Heights, Ohio
Application February 16, 1935, Serial No. 6,897
7 Claims. (Cl. 238—10)



1. A switch unit comprising a block of material having diverging side edges, a pair of diverging wheel bearing rails on opposite side edges of said block and engageable by wheels of cars passing thereover when either side is up, wheel bearing rails and guard rails formed integrally with said block on both the upper and lower sides of said block for cooperation with the first mentioned wheel bearing rails to form main and branch line tracks, a movable switch point positioned at the junction of the main and branch tracks and engageable when either side is up to guide cars along the main line or to the branch line tracks, whereby when one side is up said unit forms a right hand branch track and when inverted a left hand branch track.

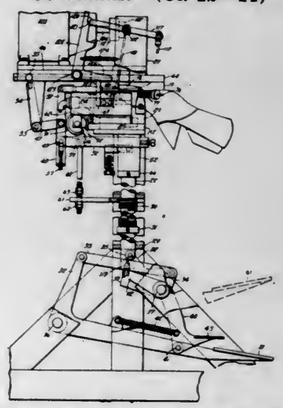
2,154,451
BRIGHT DIP
Richard O. Hull, Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1934, Serial No. 757,890
23 Claims. (Cl. 148—8)

1. A bright-dip for zinc comprising an acidic hydrogen peroxide solution with a pH from about pH 0.5 to pH 3.5.

2,154,452
METHOD OF CONTROLLING THE PLASTICITY OF HYDROGENATED GLYCERIDE OIL
Leslie G. Jenness, Brooklyn, N. Y., assignor to Intermetal Corporation, Newark, N. J., a corporation of Delaware
No Drawing. Application April 11, 1936, Serial No. 73,934
10 Claims. (Cl. 99—118)

5. The method of increasing the plasticity of semi-solid fats prepared by hydrogenating a glyceride oil containing substantial amounts of acid radicals having different numbers of carbon atoms therein, which comprises incorporating with said semi-solid fat, a substantially completely saturated solid fat containing acid radicals having the same number of carbon atoms as the acid radicals of the hydrogenated oil which have the greater number of carbon atoms.

2,154,453
METHOD OF AND APPARATUS FOR OPERATING ON SHOES
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 12, 1937, Serial No. 168,596
Renewed July 20, 1938
32 Claims. (Cl. 12—14)

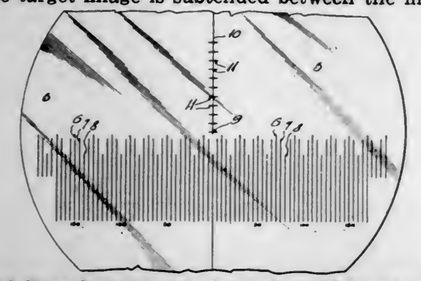


18. A trimming machine comprising an abutment formed and arranged to be engaged by the bottom face of the toe portion of an insole and having a perimeter corresponding to that of such toe portion, means arranged to cooperate with said perimeter of the abutment to clamp a narrow band of a margin of unlasted shoe materials projecting beyond the bottom face of the insole of a partially fabricated shoe, means arranged to cooperate with the sole-engaging face of said abutment to clamp the toe of the shoe heightwise, and cutting mechanism the cutting element of which is movable in a certain predetermined path to sever a strip from said margin while said band and the toe of the shoe are both clamped as aforesaid.

2,154,454
TELESCOPIC GUN-SIGHT RETICULE
Bryan P. Joyce, East Orange, N. J., assignor to American Armament Corporation, New York, N. Y., a corporation of New York
Application August 4, 1937, Serial No. 157,414
13 Claims. (Cl. 33—51)

6. A telescopic gun sight reticule having dif-

ferently spaced vertical sight lines, the distances between said lines constituting means for determining the range of a known-size target when the target image is subtended between the lines,



said lines having ends located at different elevations and constituting sighting points to give the gun the proper elevation for the range determined thereby.

2,154,455

CADMIUM BRIGHT DIP

Raymond J. Kepfer, Lakewood, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 8, 1934, Serial No. 710,325

7 Claims. (Cl. 148—8)

1. A bright dip for cadmium comprising hydrogen peroxide and sulfuric acid, the ratio of peroxide to acid being about four to one.

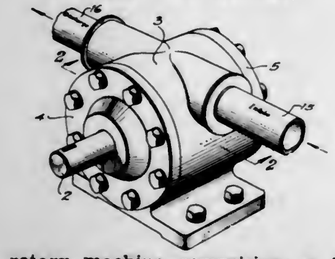
2,154,456

ROTARY MACHINE

Robert T. Knapp, Pasadena, Calif., assignor of thirty-three and one-third per cent to Rudolph A. Riek and thirty-three and one-third per cent to Forest O. Riek, both of Los Angeles, Calif.

Application January 30, 1937, Serial No. 123,237

23 Claims. (Cl. 103—139)



1. A rotary machine comprising: a housing provided with a rotor chamber having fluid inlet and fluid outlet passages and an annular sealing and guiding surface; a rotor concentrically mounted within said chamber having a peripheral portion closely spaced from said annular surface, and provided with a plurality of axially reciprocable and radially outwardly movable vanes constrained to rotate therewith and having their outermost edges in sealing engagement with said annular surface; and two opposed guiding and sealing cam members mounted on said housing at the respective axial sides of said rotor and adapted to engage the respective axial ends of said vanes and effect axial reciprocation thereof upon rotation of said rotor; said machine being provided with passage means establishing fluid communication between said rotor chamber exteriorly of said rotor and a radially inward edge portion of each of said vanes.

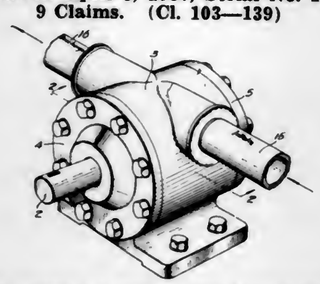
2,154,457

ROTARY MACHINE

Robert T. Knapp, Pasadena, Calif., assignor of thirty-three and one-third per cent to Rudolph A. Riek and thirty-three and one-third per cent to Forest O. Riek, both of Los Angeles, Calif.

Application April 6, 1937, Serial No. 135,246

9 Claims. (Cl. 103—139)



1. In a rotary machine of the sliding vane type, the combination of an integral vane having inner and outer edges and two ends; means for rotating said vane about an axis whose direction has a substantial component parallel to the length of said vane between said ends while permitting longitudinal sliding movement thereof; curved cam means engaging one end of said vane during rotation thereof through a certain angle and operable to cause longitudinal unitary movement of said vane; the other end of said vane having a portion convexly curved with respect to the direction of its thickness along its path of rotation; and an inclined cam engaging said other end of the vane and having an inclined curved surface conforming to the surface envelope developed by said curved portion of the vane in the movement of said vane through said certain angle.

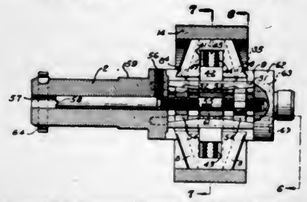
2,154,458

ADJUSTABLE DISPLACEMENT METER OR PUMP

Robert T. Knapp, Pasadena, Calif., assignor of thirty-three and one-third per cent to Rudolph A. Riek and thirty-three and one-third per cent to Forest O. Riek, both of Los Angeles, Calif.

Application October 12, 1937, Serial No. 168,603

12 Claims. (Cl. 103—139)



1. In a rotary machine of the laterally sliding vane type, a rotor construction which comprises: a hub member provided with a plurality of circumferentially spaced slots extending transversely with respect to a plane of rotation of said rotor and each adapted to receive a vane member provided with an inwardly directed piston member of the same effective width as said slot; an inwardly and outwardly movable sealing member

disposed within one of said slots and extending across the width thereof in position to engage the inward edge of said piston member; and means for positioning said sealing member with respect to its outward position within said slot.

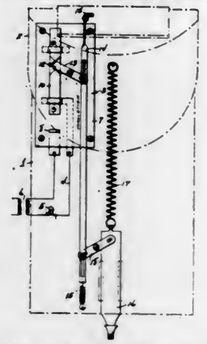
2,154,459

ELECTRIC SWITCH ALARM

Joseph Komorowski, Millvale, Pa., assignor of one-half to George J. J. Hoelsche, Pittsburgh, Pa.

Application August 19, 1936, Serial No. 96,889

1 Claim. (Cl. 200—57)



An alarm for mail boxes comprising an insulated base mounted in a mail box, a fixed contact secured to said base, a movable contact slidably supported on said base, said movable contact being of elongated formation and provided with a notch having opposite walls thereof shaped to form spaced fulcrums, a lever pivoted on said base and received in the notch and contacting the fulcrums, a link pivoted to said lever and to a cover of the box, a spring operatively connected to said lever and constantly urging said lever to inoperative position, a second lever pivotally mounted in said box, link means connecting said second lever with said first lever, and a spring-pressed article supporting member slidably carried by said box and connected to said second lever.

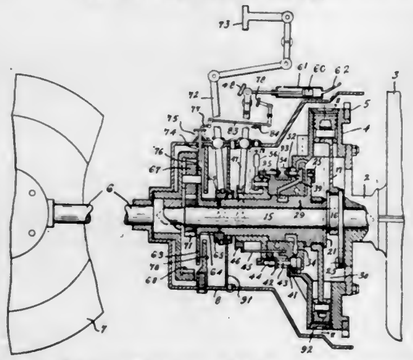
2,154,460

VARIABLE SPEED TRANSMISSION MECHANISM

William E. Lawrence, Cleveland Heights, Ohio

Application April 14, 1933, Serial No. 666,163

38 Claims. (Cl. 74—293)



1. In drive mechanism, shafts to be connected, and means for connecting said shafts including two sets of pump-pistons radially interspaced, and means for controlling one set independently variable of the other.

2,154,461

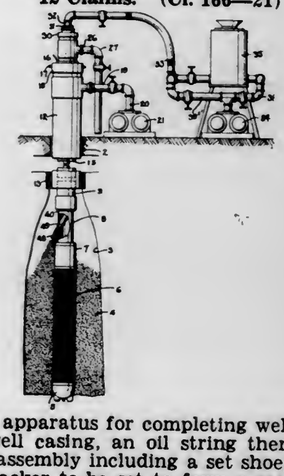
WELL GRAVELING AND DEVELOPING ASSEMBLY AND METHOD

Leslie A. Layne, Houston, Tex., assignor to The Texas Company, a corporation of Delaware

Application June 21, 1937, Serial No. 149,400

Renewed August 4, 1938

12 Claims. (Cl. 166—21)



1. An apparatus for completing wells comprising a well casing, an oil string therein, a well bottom assembly including a set shoe, a strainer and a packer to be set to form a seal with said casing, a graveling string and tool to discharge gravel around said screen, means to circulate liquid and gravel down said gravel string and to return the carrier liquid upwardly through the well bottom assembly into said oil string, and additional means to circulate liquid down said casing and into said oil string to facilitate the return circulation of the carrier liquid.

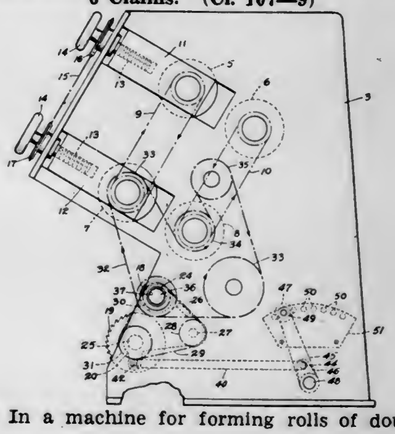
2,154,462

DOUGH CONTROL MEANS

Adolph A. Liebelt, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a corporation of Ohio

Application November 6, 1937, Serial No. 173,097

6 Claims. (Cl. 107—9)



1. In a machine for forming rolls of dough,

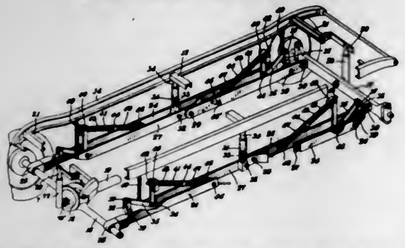
the combination of means for flattening the dough into sheet form and advancing the sheet edgewise, a rotating roll for contacting and turning a leading edge of the dough sheet to compel transformation of the advancing sheet into a cylindrical load, and means for controlling delivery of the loaf from the machine, comprising a loaf supporting complementary curling roll subjacent to the rotating roll and movable toward and from a plane passing vertically through the axis of the roll to diminish and increase the area of support for the loaf.

2,154,463

SUPPORTING, EQUALIZING, AND STABILIZING MECHANISM

Zeno Littman, New York, N. Y.

Application June 22, 1935, Serial No. 27,855
Renewed April 17, 1937
14 Claims. (Cl. 280—104)



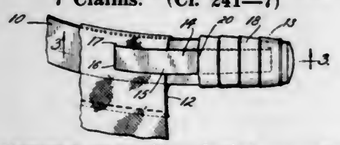
1. In a vehicle structure having front and rear axles, a chassis having sides and ends and located in spaced relation above the axles, vertical connecting members extending from midway of the length of the respective axles to points midway of the width of the chassis, respectively, the connecting members being pivoted to one of the parts connected thereby so that they may move relatively in vertical planes transversely of and parallel to the longitudinal axis of the vehicle, parallel sub-chassis bars at each side of the vehicle, vertical connectors extending from midway of the length of the chassis to and pivoted at points respectively midway of the length of the sub-chassis bars, and a connection, including a spring, between each end of each sub-chassis bar and the axle adjacent thereto.

2,154,464

GARMENT SUPPORT

Lewis Hogarth Lozier, River Forest, Ill.; Horace G. Lozier, executor of said Lewis H. Lozier, deceased, assignor to William La Belle, South Bend, Ind.

Application October 25, 1937, Serial No. 170,778
7 Claims. (Cl. 241—7)



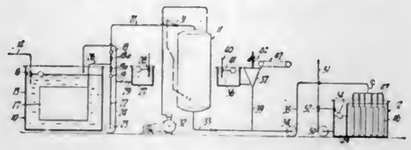
1. A garment supporting device comprising an elongated resilient body-encircling member, a clip including a jaw at one end thereof, said clip being arranged with the jaw directed toward said member and having a section at the other end thereof disposed in contiguity with an end section of said member, and a pliable retaining member covering the contiguous end sections of said clip and said member and providing means for holding said clip and said member in assembly.

2,154,465

CYANIDATION PROCESS AND APPARATUS

Louis D. Mills and Thomas B. Crowe, Palo Alto, Calif., assignors to The Merrill Company, San Francisco, Calif., a corporation of California

Application March 17, 1937, Serial No. 131,377. Renewed July 25, 1938. In Brazil March 3, 1937
8 Claims. (Cl. 266—12)



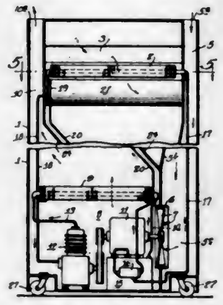
1. In apparatus of the character described, for the treatment and precipitation of cyanide solution containing dissolved precious metal values, a solution clarifying filter comprising a solution tank and a plurality of separate filter leaves disposed within said tank, a pair of manifold pipes, valve means serving to connect said filter leaves to said manifold pipes, whereby any one filter leaf can be connected to either one of said manifold pipes, or communication interrupted; with respect to both said pipes, means for withdrawing clarified effluent from one of said manifold pipes, and a solution pump having its inlet connected to the other end of said manifold pipes and having its outlet connected to deliver solution back into the filter tank.

2,154,466

AIR COOLING AND CIRCULATING DEVICE

Willard L. Morrison, Lake Forest, Ill.

Application March 2, 1936, Serial No. 66,593
3 Claims. (Cl. 62—129)



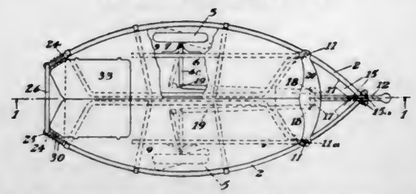
1. An air cooling and circulating device comprising a cabinet located in the room to be cooled, a condenser in the lower part of the cabinet, two passageways in the cabinet extending from the condenser to the upper part of the cabinet for conducting air from the upper part of the room to the condenser and back to the upper part of the room and an evaporator in the upper part of the cabinet which induces air, from a point below the point where the warm air from the condenser is discharged into the room, to flow over said evaporator by thermosyphonic action, the air flowing over said evaporator being cooled thereby and discharged into the lower part of the room, said cooled and discharged air causing the warmer air in the lower part of the room to rise by thermosyphonic action and forming a zone of conditioned air below the top of the cabinet.

2,154,467

TRAILER

Henry A. Munger, Midland, Mich.

Application March 4, 1938, Serial No. 193,977
9 Claims. (Cl. 296—23)



1. An expansible longitudinally divided trailer comprising two laterally separable halves, a wheel journaled beneath each half and pivotally mounted for turning out of alinement with the longitudinal axis of the trailer, a draw-bar mounted upon said trailer displaceable endwise relative thereto, and actuating means connecting said draw-bar to said pivotally mounted wheels operable in response to endwise displacement of said draw-bar to turn the wheels oppositely about their pivots to divergent positions, whereby rolling said trailer in one direction moves the halves apart into expanded position and rolling it in the opposite direction draws the halves together.

2,154,468

BRIGHT DIP

Floyd F. Oplinger, Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Continuation of application Serial No. 734,703, July 11, 1934. This application July 28, 1934, Serial No. 737,406
10 Claims. (Cl. 148—8)

2. In a process for the passivation and brightening of cadmium the step comprising subjecting the cadmium to the action of a bright dip comprising hydrogen peroxide and a substance of acid reaction.

2,154,469

BRIGHT DIP

Floyd F. Oplinger, Niagara Falls, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 17, 1934, Serial No. 757,889
4 Claims. (Cl. 148—8)

3. A method of treating zinc to brighten the same, comprising subjecting the zinc to the action of an acidified solution of hydrogen peroxide having a limited excess of H_2O_2 over that required by the equation $Zn+2H^++H_2O_2=Zn^{++}+2H_2O$.

2,154,470

DIAZO DERIVATIVES OF GUANYL-UREA-N-SULPHONIC ACIDS AND N-NITRO GUANYL-UREAS

Robert Prescott Parker, Somerville, N. J., assignor to The Calco Chemical Company, Inc., Somerset, N. J., a corporation of Delaware

No Drawing. Application July 12, 1937, Serial No. 153,277
13 Claims. (Cl. 260—140)

1. Stabilized diazo compounds having the general formula R—G_x in which R is a radical of an ice color diazo component, G is a radical of a guanyl-urea free from substituents capable of azoic coupling included in the group consisting of guanyl-urea-N-sulphonic acids, N-nitro guanyl-ureas and their water-soluble salts, and x is 1 or 2.

2,154,471

POLYHYDRIC ALCOHOL-POLYBASIC ACID RESIN AND METHOD OF MAKING SAME

Israel Rosenblum, New York, N. Y.

No Drawing. Application August 12, 1935, Serial No. 35,728
10 Claims. (Cl. 260—26)

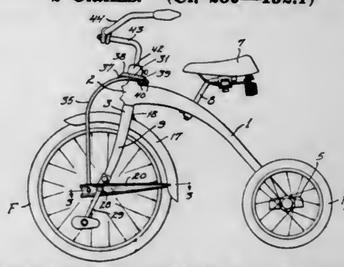
1. The method of producing oil-soluble resins, which consists essentially in heating an acid-reacting partial reaction product of glycerol and acetic acid with rosin and succinic acid until substantially all of the acetic acid has been expelled and a homogeneous resin which is solid at room temperature is obtained.

2,154,472

VELOCIPEDE CONSTRUCTION

Alexis de Sakhnoffsky, Philadelphia, Pa., assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 29, 1937, Serial No. 123,024
2 Claims. (Cl. 280—152.1)



1. A fender brace and front end assembly for use in a cycle comprising, a steering wheel and an axle, a swivelled fork for supporting the axle, a fender secured in the crotch of the fork and extending downwardly circumferentially of the wheel and behind the same, a pair of struts for the fender extending from the lower end portion of the fender to a point forward of the fork arms, means to prevent movement of each strut lengthwise of itself and vertically in the region of the axle, and means interconnected between said struts forwardly of said axle and extending upwardly and connected to the fork above the axle to brace such struts against rotating movement relative to said axle.

2,154,473

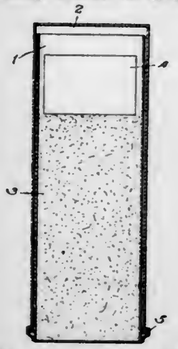
COOLING BY SALTS HAVING A NEGATIVE HEAT OF SOLUTION

Peter Schlumbohm, New York, N. Y.

Application September 21, 1937, Serial No. 164,855
In Germany September 23, 1936
1 Claim. (Cl. 62—94)

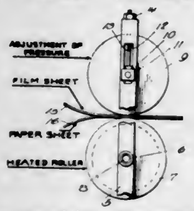
The method of cooling an object with a predetermined mass of a substance, which normally reacts with a given solvent to form a solution having a temperature below that of either said substance or solvent, said method comprising the steps of bringing said object into intimate heat exchange relation with a concentrated solution freshly prepared from a quantity of said solvent and a portion of said mass of substance, transferring heat from said object to said solution until they reach substantially the same heat level and then further reducing the temperature of

the object from said heat level by subjecting it to the refrigerating effect of a second concen-



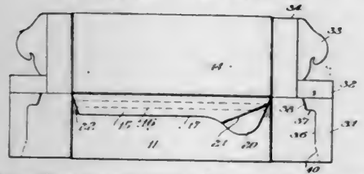
trated solution freshly prepared from a second quantity of said solvent and the remainder of said substance.

2,154,474
APPARATUS FOR WELDING FILM
Clyde Scott, East Orange, N. J.
Application April 15, 1933, Serial No. 666,359
12 Claims. (Cl. 154—1)



1. A welding machine for uniting pre-formed plastic film to a base material, comprising in combination a roller carrying a web of pre-formed plastic film, a roller carrying a web of base material, uniting means comprising a metal roll having a polished surface adapted to provide a rigid pressure and a non-metallic roll adapted to provide a counter pressure, means for heating said metal roll, means for maintaining said metal roll in position to heat said non-metallic roll by indirect transfer, means for adjusting the interfacial pressure between said metal roll and said non-metallic roll whereby the feeding of the film and base material to be united is through said rolls.

2,154,475
CARTON CONSTRUCTION
John P. Shearer, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application April 10, 1936, Serial No. 73,705
11 Claims. (Cl. 229—51)



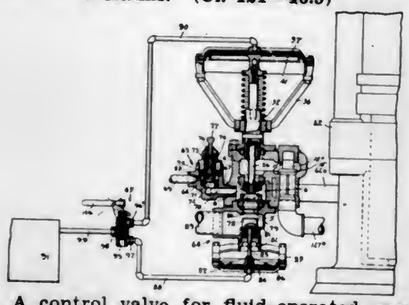
9. A carton comprising fibrous sheet material cut and folded to form a substantially rectangular body, said material including two layers forming an overlapping joint running along said rectangular body adjacent one edge thereof, adhesive connecting said overlapping edges to each other, a projecting portion on the outer one of said two layers forming a tab adjacent said overlapping joint and adapted to be grasped and pulled to separate said outer layer from the inner layer to break the adhesive connection between them, said projecting portion extending along materially less than the full length of said one of said two layers, and a score line separating said projecting tab portion from the remaining portion of the outer one of said two layers.

2,154,476
APPARATUS FOR MANUFACTURING GLASS WOOL BATS AND OTHER ARTICLES
Donald C. Simpson, Newark, Ohio, and Thomas A. Collins, Marion, Ind., assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 12, 1934, Serial No. 715,088
Renewed May 18, 1937
17 Claims. (Cl. 154—27)



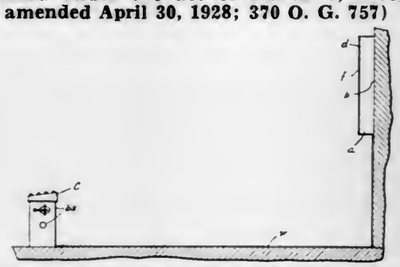
1. The combination of means for advancing a series of bats while supported in a cumbent position, and automatic means for inverting the advancing bats, said inverting means comprising a pair of gripping devices, means for swinging said gripping devices toward each other and thereby causing them to engage and grip the upper and lower surfaces of the advancing bats, means for swinging the gripping devices about an axis transverse to the direction of advance of the bats and thereby swinging the latter about said axis to an inverted position, and means for causing a relative swinging movement of the gripping devices away from each other during the inverting movement of the bats.

2,154,477
CONTROL MEANS FOR HYDRAULIC PRESSES AND THE LIKE
Archibald F. Sinclair, Cuyahoga Falls, Ohio
Application September 13, 1934, Serial No. 743,873
2 Claims. (Cl. 121—46.5)



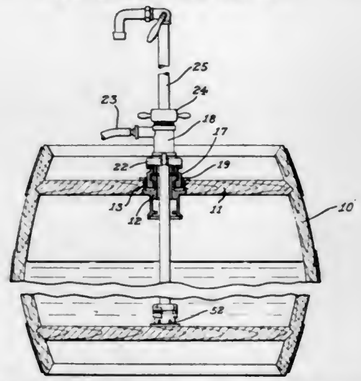
1. A control valve for fluid-operated presses and the like comprising a casing having a chamber therein and provided with passages by which said chamber may be connected with a source of relatively low fluid pressure, a drain, a source of relatively high fluid pressure and a press cylinder, axially spaced annular valve seats facing toward each other in said chamber, a movable closure member adapted to alternately engage said valve seats and close the passage therethrough, and another closure member movable independently of said first-named closure member and adapted to engage and close the passage through one of said valve seats.

2,154,478
EDUCATIONAL SYSTEM
Clarence N. Smith, Silver Spring, Md.
Application August 18, 1936, Serial No. 96,592
7 Claims. (Cl. 35—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



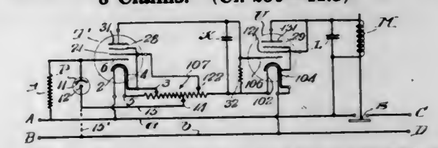
1. Control means for electrical apparatus combining a plurality of associated circuits comprising: a base; individual switching means secured to said base for each circuit associated with said apparatus; means within said base for accommodating the base of a typewriter; an arrangement of said switching means upon said base in banks and rows to correspond with a typewriter keyboard; and means in the actuating member of each of said switching means for making separable operative contact with a key lever of a superimposed typewriter; whereby, with a typewriter superimposed upon said base, and with said switching means in contact with the key levers thereof, depressing the typewriter keys will operate said switching means, or with said typewriter removed, said switching means may be operated by hand.

2,154,479
FLUID DISPENSING APPARATUS
Fred M. Spayd, Van Wert, Ohio
Application May 6, 1936, Serial No. 78,229
10 Claims. (Cl. 225—3)



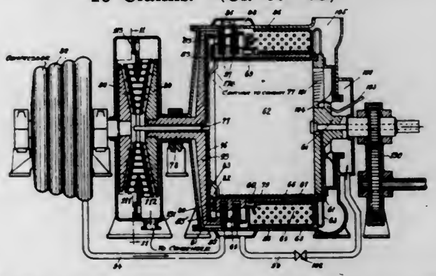
1. A device of the character described comprising, in combination, a container having a bung body provided with an axial passage therethrough and arranged substantially flush with the exterior surface of the container, a closure member rotatably operable to sealing engagement with a portion of said bung body so as to seal said passage at the inner end thereof and having a bayonet connection with the bung body, a tap rod insertable through the passage of the bung body and having a non-circular portion interfitting with the closure member for rotational movement therewith, locking means mounted on said closure member for securing the closure member to the tap rod against relative axial movement, said locking means and bung body having interengaging surfaces adapted to move the locking means into and out of engagement with the tap rod at a predetermined time in the rotational movements of the closure member, said locking means positively holding the tap rod and closure member together until the closure member is in position to seal the passage through the bung body.

2,154,480
PHOTOELECTRIC RELAY
Edward R. Toporeck, South Weymouth, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application September 16, 1937, Serial No. 164,133
8 Claims. (Cl. 250—41.5)



1. Photoelectric relay apparatus comprising a current source with two terminals, an electron discharge device having a cathode, an anode and a control electrode, an impedance connected between one of said terminals and said control electrode, a photoelectric device connected between said control electrode and the other one of said terminals, an impedance joining said cathode and one of said terminals, a controlled circuit connected between said anode and said terminal to which the cathode impedance is connected, a relay in said controlled circuit and a relay circuit operated by said relay, said impedances being mutually adjusted to render the control electrode potential higher or lower than the cathode potential when said photoelectric device is illuminated to degrees varying its impedance to be higher or lower, respectively.

2,154,481
POWER PLANT
Heinrich Vorkauf, Berlin, Germany, assignor to Herpen & Vorkauf, Berlin, Germany
Application January 5, 1934, Serial No. 705,383
In Germany January 9, 1933
16 Claims. (Cl. 60—49)



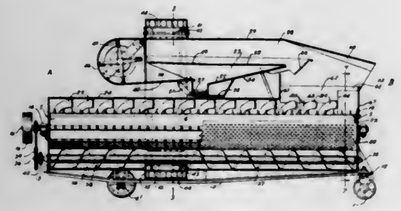
1. Power plant comprising a structure provid-

ing a wall extending about a substantially unobstructed space to form a combustion chamber for confining therein the combustion gases while developing radiant heat radiating toward said wall, means for confining a fluid under pressure arranged adjacent the boundaries of said combustion chamber and so as to receive said radiant heat radiating toward said wall and to transfer said heat to said fluid, said structure and said fluid confining means being arranged for rotation upon an axis, a rotary engine of the type which is actuated by the expansion of gases, said engine having the rotor thereof connected to said structure and to said fluid confining means to rotate therewith, means providing a passage for confining and for delivering to said rotary engine from said combustion chamber the gaseous products of combustion substantially in the condition thereof in said combustion chamber so as to cause rotation of said rotor, and means for delivering exteriorly of said structure said heated fluid under said pressure while maintaining rotatability of said fluid confining means.

2,154,482
CHEWING GUM BASE
Harry M. Weber, West Englewood, N. J., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application January 30, 1937, Serial No. 123,231
8 Claims. (Cl. 99—135)

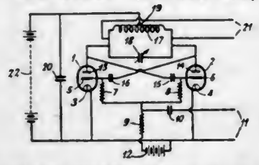
1. The method of making a chewing gum base to incorporate prolamine as a part thereof, which comprises dispersing solid prolamine into smaller particles by contact with a dispersing quantity of a liquid which wets prolamine, whereby agglomeration is prevented, and mixing the so dispersed prolamine with other ingredients for a chewing gum base until the prolamine is homogeneously distributed therein.

2,154,483
THRESHING MACHINE WITH OPEN CENTRIFUGAL CHAMBER
Agustín Martínez Bedolla, Mexico, D. F., Mexico
Application February 8, 1936, Serial No. 63,042
In Mexico November 7, 1935
8 Claims. (Cl. 130—27)



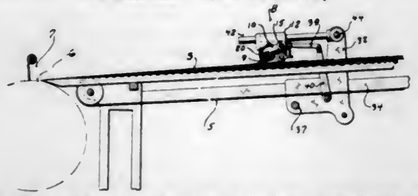
8. That method of threshing seed bearing straw which consists in beating the straw to cause the grain and chaff to separate from the straw while causing the straw to move along a helical path, separating the grain and chaff from the straw, utilizing the centrifugal force caused by the helical movement of the straw to effect tangential movement of the straw at the end of its helical path, subjecting the chaff and grain to a current of air to blow the chaff away from the grain and directing the said air across the tangential path of the straw to cause delivery movement of the straw.

2,154,484
FREQUENCY DIVIDER
David Arthur Bell, Great Baddow, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application March 17, 1937, Serial No. 131,325
In Great Britain April 29, 1936
2 Claims. (Cl. 250—36)



1. A frequency divider comprising two electron discharge devices, each having a cathode and input and output electrodes and circuits connected thereto, a source of alternating current input energy coupled to the input circuits of said devices in parallel, a circuit resonant to a desired sub-multiple of the frequency of said source, said circuit being interposed between the output electrodes of said discharge devices, cross-coupling means between the output electrode of each device and the input electrode of the other, said cross-coupling means having an impedance value sufficient to prevent self-oscillation in said electron discharge devices, a source of operating potentials having a negative terminal connected to the input electrodes, an intermediate tap connected to the cathodes, and a positive terminal connected to the output electrodes of said devices, said positive terminal connection including a center tap on said resonant circuit, and means for maintaining the value of said source such that a substantial current flow through each device is permitted only once during each complete period of said sub-multiple frequency.

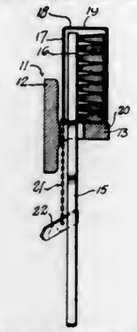
2,154,485
SHEET FEEDER
Frank R. Belluche, Racine, Wis.
Application October 28, 1937, Serial No. 171,507
21 Claims. (Cl. 271—55)



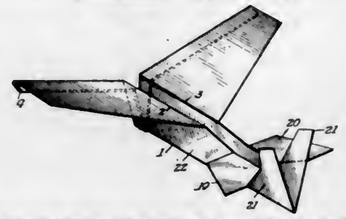
1. In a sheet feeder for printing machines and the like, the combination of: conveying means for advancing sheets along a defined path for presentment to the machine; and means movable along said same path in the direction of the sheet advance and at a speed slightly in excess of that of the sheet advance for engaging the trailing edge of the sheet nearest the machine and operable to present the sheet to the machine and effect registration thereof prior to its presentment to the machine.

2,154,486
TOOTH BRUSH PROTECTOR
Bertha Berman, New York, N. Y.
Application May 15, 1937, Serial No. 142,769
3 Claims. (Cl. 206—15.1)

1. A device including a rack having means for supporting tooth brushes, individual dust caps for the tooth brushes, flexible elements connected to the dust caps and having head portions at the free ends of said flexible elements, and said means having spaced openings of sufficient size to individually receive the handles of the tooth brushes, said flexible elements extending through the self same openings that receive said handles, with the head portions serving to maintain the flexible elements in engagement with the rack.



2,154,487
TOY AIRPLANE CONSTRUCTION
Ellis Bonnell, Chicago, Ill.
Application April 12, 1937, Serial No. 136,393
4 Claims. (Cl. 46—79)



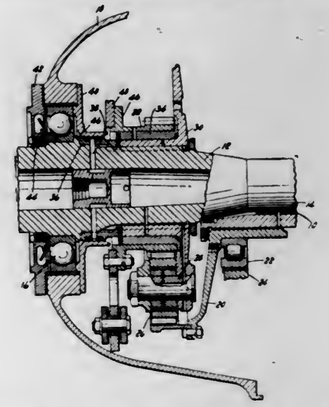
1. A toy airplane formed from folded sheet material and having its leading edge adjustably stiffened and weighted by a series of folds along transverse lines forming a flattened roll edge with removable strips, said sheet material having longitudinal folds for shaping the body of the plane and slits across some of said longitudinal folds for weakening the material at the leading edge of the plane.

2,154,488
PREPARATION OF ARACYL PERSULPHIDES
William Braker, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application May 28, 1937, Serial No. 145,297
10 Claims. (Cl. 260—608)

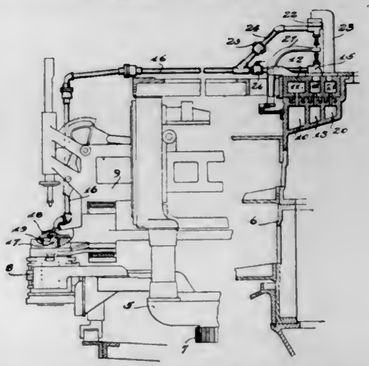
1. The method of preparing aracyl persulphides which comprises reacting, in a lower-aliphatic-alcohol medium, an aracyl halide with a metal disulphide soluble in said alcohol.

2,154,489
VIBRATION DAMPER
Richard S. Buck, Wethersfield, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 28, 1937, Serial No. 166,078
11 Claims. (Cl. 74—305)

1. In combination with a driving element subject to torsional vibrations, a driven element, and a power transmitting reduction gear having a reaction element interposed between said driving and driven elements, a torque indicating and torque variation reducing device operatively associated with said reaction gear element comprising, a main variable volume fluid displacing device operatively connected with said reaction gear element to resist torque reaction induced by rotation thereof, and an auxiliary variable volume device of relatively small inertia and small capacity resiliently urged toward its minimum capacity connected to said main variable volume device to receive fluid displaced therefrom and provide for said reaction element a limited freedom of vibration absorbing movements opposed by fluid friction damped resilient force.

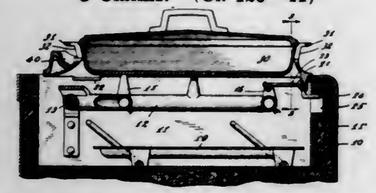


2,154,490
METHOD OF TREATING HOLLOW GLASS ARTICLES
Oscar G. Burch, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 9, 1936, Serial No. 114,910
2 Claims. (Cl. 49—83)



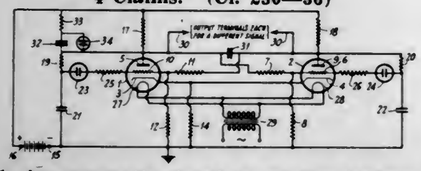
2. The method of producing a hollow glass container from a parison in a finishing mold, which consists in alternately introducing air under pressure and an acidic gas into the parison while in the finishing mold to thereby expand the parison to the form of the completed container and neutralize the excess of alkali at and in proximity to the interior surface of the glass.

2,154,491
STOVE
John E. Chambers, Shelbyville, Ind.
Application August 23, 1937, Serial No. 160,410
3 Claims. (Cl. 126—41)



1. In combination with a gas range having an upwardly opening broiler compartment, a pivotally mounted broiler burner therein, and counterbalancing means tending to swing said burner upwardly; a frame having a generally rectangular central opening supported from said range above said broiler compartment, releasable means for holding said frame in place, provisions on said frame engaging said burner for preventing it from swinging upwardly under the influence of said counterbalancing means, and a cooking utensil receivable in the opening in said frame and having integral supporting portions overlapping the sides of said frame.

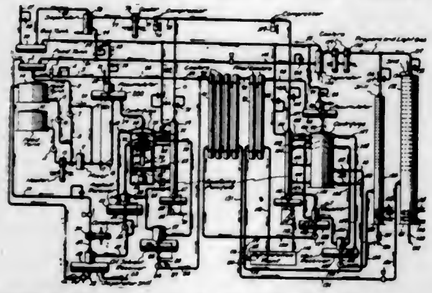
2,154,492
RADIO SIGNALING SYSTEM
Newsome Henry Clough, Brentwood, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1936, Serial No. 82,515
In Great Britain May 31, 1935
4 Claims. (Cl. 250—36)



1. An automatic signal generating system for generating repeated successions of predetermined signals comprising two electron discharge tubes each including at least three electrodes, means including cross-connections between an input electrode of each tube and an output electrode of the other tube respectively for enabling said tubes to assume different degrees of conductivity sequentially, and time control means including gas filled discharge tubes each gas filled tube being connected in series between the control electrode of one of the first said tubes and a resistive connection to the anode of the same one of the first said tubes whereby when one state of conductivity has been maintained for a predetermined period of time the said state is disturbed and the second state of conductivity assumed, the second state of conductivity being in turn automatically disturbed after the lapse of a second predetermined period of time to re-instate the first state.

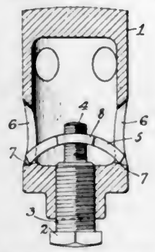
2,154,493
METHOD OF DEASPHALTING AND DEWAXING HYDROCARBON OILS
Maurice B. Cooke, Plainfield, N. J., and Earl Petty, Scarsdale, N. Y., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 21, 1935, Serial No. 7,518
14 Claims. (Cl. 196—13)

1. A process for removing asphalt from hydrocarbon oils comprising forming a solution of an asphalt containing hydrocarbon oil with a normally gaseous solvent in such proportion as to precipitate insoluble asphalt from the oil, passing the solution containing insoluble asphalt under a pressure greater than the equilibrium pressure of the solvent at its temperature during passage to



a separating zone and there centrifugally separating the asphalt from the solution while maintaining on the contents of the separating zone a pressure greater than the equilibrium pressure of the solvent at its temperature in the separating zone by means of a gaseous fluid having a vapor pressure higher than that of the solvent at the same temperature.

2,154,494
VALVE TAPPET AND ADJUSTING SCREW ASSEMBLY
Webster D. Corlett, Oak Park, Ill., assignor to Standard Screw Company, Hartford, Conn., a corporation of New Jersey
Application February 17, 1938, Serial No. 190,954
11 Claims. (Cl. 123—90)

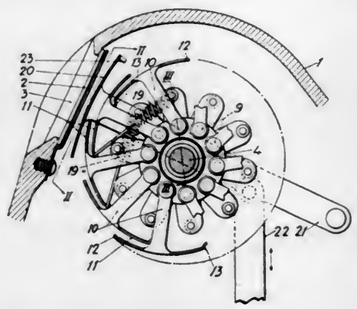


1. A valve tappet assembly which includes a hollow tappet body, an adjusting screw threaded therein, and means for holding said screw against unintended movement in relation to said body including a leaf spring transversely extending across the interior of said body and including portions engaging said body and said screw.

2,154,495
INDICATOR WHEEL FOR CASH REGISTERS AND THE LIKE
Tord Olof Rickard Dahlberg, Stockholm, Sweden, assignor to Kooperativa Förbundet, Förening u. p. a., Stockholm, Sweden
Application January 31, 1938, Serial No. 187,840
In Sweden February 2, 1937
5 Claims. (Cl. 235—1)

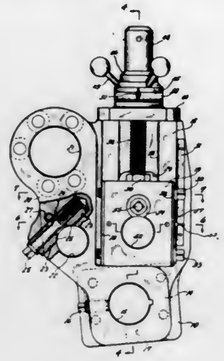
1. An indicator wheel for cash registers and the like, comprising a wheel shaft, a part rotatable on said shaft, a plurality of arms, each extending outwardly from the center of the wheel and having one end pivoted to said rotatable part,

the other ends of said arms, which are swingable in peripheral direction, each carrying an arcuate plate extending in substantially peripheral direc-



tion and normally overlapping the plate on an adjacent arm, and means to temporarily completely uncover any one of said plates disposed in reading position.

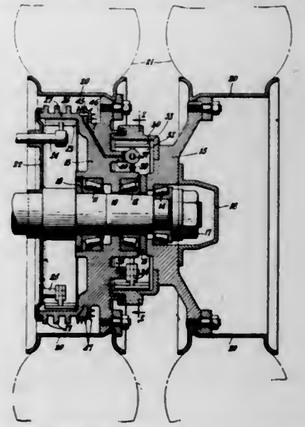
2,154,496
TOOL HOLDER
Nicholas P. Darash, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application March 31, 1938, Serial No. 199,173
14 Claims. (Cl. 29—57)



1. A tool holder comprising a body provided with surfaces forming a portion of a guideway for a slide, a slide having a portion contacting said surfaces, and wedge-shaped gibs on opposite sides of said slide and interposed between said slide and said body and forming with said slide the remaining portion of the guideway therefor, said gibs being carried by the slide and being movable relative thereto.

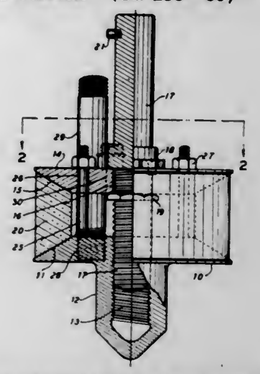
2,154,497
AUTOMOTIVE VEHICLE
Hobart N. Durham, Munsey Park, N. Y., assignor to Differential Wheel Corporation, a corporation of Delaware
Application March 11, 1937, Serial No. 130,236
10 Claims. (Cl. 188—18)

1. In a dual wheel assembly for automotive vehicles, the combination of a pair of independently rotatable wheels mounted side by side, a clutch having relatively rotatable parts carried by the two wheels and hydraulic motor means for actuating the clutch to clutch the two wheels



together and braking means associated with one of the wheels.

2,154,498
EXPANDING PIPE PLUG
Oscar W. Eagar, Taft, Calif.
Application May 20, 1938, Serial No. 209,055
4 Claims. (Cl. 138—89)



1. A temporary pipe plug comprising two plates adapted to enter the pipe and having opposed peripheral bevelled faces formed thereon, a ring of elastic material interposed between said bevelled faces, rotational means for drawing said plates toward each other to expand said ring into engagement with the inner wall of the pipe, and dogs swiveled on one of said plates and arranged to prevent rotation of the plug within the pipe in the positive direction of said rotational means.

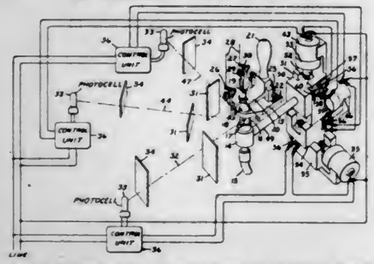
2,154,499
DENTAL JACKET
Bernard H. Eisenstein, Laurelton, N. Y.
Application December 1, 1937, Serial No. 177,448
2 Claims. (Cl. 32—12)



1. A dental jacket comprising a tubular sleeve deformable to fit snugly around a tooth, said sleeve having a relatively thin flexible metallic

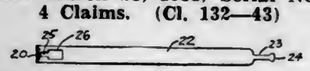
diaphragm arranged transversely therein intermediate the ends thereof, said diaphragm being of greater area than the internal area of the sleeve whereby it may be collapsed transversely when the sleeve is deformed and to conform to the surface of the end of the tooth, said diaphragm being adapted to support a mass of material within an end portion of the sleeve.

2,154,500
APPARATUS FOR PREFOCUSING LAMPS
Duryea E. Elmendorf, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application June 21, 1937, Serial No. 149,454
8 Claims. (Cl. 176—3)



8. Apparatus for accurately locating a filament sealed within the bulb of an incandescent lamp with respect to a portion of a base comprising a holder for said base portion, means for supporting said bulb with the filament therein at approximately the desired position with reference to said holder and base portion, a plurality of photocells, one located to one side of an axis through the desired position of the filament and a pair located in a plane substantially perpendicular to said axis and in directions therefrom at right angles to each other, means for connecting the filament to a source of current to cause it to emit light, screens located between said holder and the photocells with apertures therein in the direct paths between said photocells and the desired position of the filament, means for automatically moving the said bulb parallel to said axis and in two directions in said plane at right angles to the said paths between said pair of cells and the desired location of said filament, means for causing operation of said means for moving the bulb in the said plane, relays operated by the said pair of photocells for discontinuing said movement when the light from the filament passing through the apertures of a pair of screens falls on said photocells and thereafter causes operation of the said means for moving the lamp bulb axially, and a relay operated by the first-mentioned photocell for discontinuing operation of the said means causing the axial movement when the light from the filament passing through the aperture in the third screen falls on the photocell and said filament is correctly located.

2,154,501
HAIR CURLER
Jerome J. Feldman, New York, N. Y.
Application March 23, 1938, Serial No. 197,594
4 Claims. (Cl. 132—43)



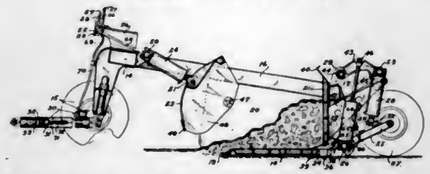
1. A hair curler made of a strip of flexible material folded to form a small loop and two legs extending therefrom, the said legs being adapted to clamp hair between them for curling and to be bent together into a large loop, and means in the said small loop and coacting with both the free ends of the said legs, when bent, to hold both legs in locked engagement with respect to each other.

2,154,502
HOLLOW ELECTRIC CONDUCTOR
Stanley F. French, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application April 9, 1935, Serial No. 15,395
6 Claims. (Cl. 174—130)



1. A hollow conductor comprising a number of conductor elements arranged side by side to form a cylinder, each said element extending helically in the cylinder thus formed, said elements being integrally united at intervals, said intervals being staggered so that the union of each element to the adjacent element at one side is intermediate its union to the element on the opposite side.

2,154,503
SCRAPER
Henry C. French and Herman C. Frentzel, Jr., Milwaukee, Wis., assignors to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 27, 1937, Serial No. 171,255
8 Claims. (Cl. 37—126)

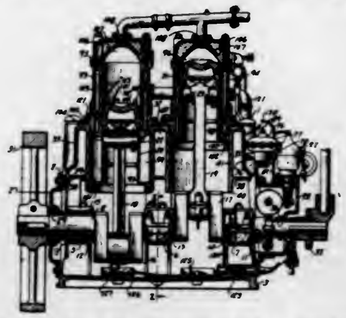


4. In a scraper, independently supported simultaneously transportable and interconnected front and rear trailer frames, a scraper blade carried by said front frame and being movable to various depths beneath the ground surface by relative movement of said frames, a depth indicating pointer cooperable with an indicating dial mounted upon the forward portion of said front frame, and an elongated flexible motion transmitting member for actuating said pointer and being operable by movement of said rear frame relative to said front frame.

2,154,504
INTERNAL COMBUSTION ENGINE
Samuel B. Gold and Bruce E. Gold, Independence, Mo., assignors to Weber Engine Company, Kansas City, Mo., a corporation of Iowa
Application November 4, 1936, Serial No. 109,116
3 Claims. (Cl. 123—59)

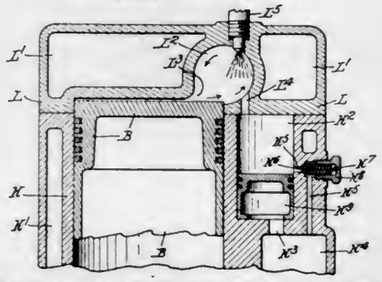
1. An internal combustion engine including combustion chambers having intake ports in the sides of the chambers and having exhaust ports at the opposite sides thereof, charging chambers having intake and discharge ports, a transfer reservoir providing a common connection between the discharge ports of the charging chambers and all of the intake ports of the combustion chambers, pistons reciprocable in the combustion chambers and movable over the intake and exhaust ports of said combustion chambers, valves in the discharge ports of the charging chambers

automatically operable responsive to differential pressures in the transfer reservoir and charging chambers, means in the charging chambers for drawing a charging medium into said chambers through the intake ports thereof and discharging said medium through said pressure responsive valves for transfer to the combustion chambers when the pistons uncover the intake ports to effect scavenging of exhaust gases through the exhaust ports of said combustion chambers and effecting charging of the combustion chambers, and valves controlling the intake ports of the charging chambers, the intake ports of the combustion chambers being of different capacities



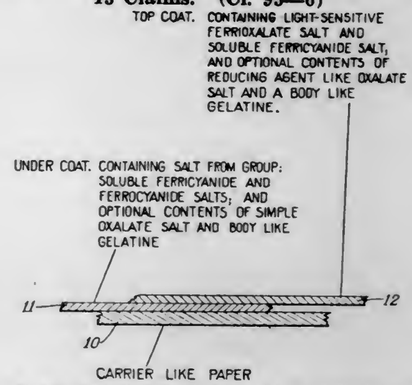
and arranged so that certain of said intake ports of the combustion chambers are uncovered by the respective pistons in advance of opening of the other intake ports whereby the portion of the charging medium admitted from the transfer reservoir through the first opened ports is caused to move upwardly along the sides of the combustion chambers and the portion of the charging medium admitted from the transfer reservoir through the second opened ports is caused to flow under that admitted through the first opened ports to maintain movement of the medium to the upper end of the combustion chambers during the time said exhaust ports are opened by the pistons.

2,154,505
VARIABLE VOLUME INTERNAL COMBUSTION ENGINE
Leigh M. Griffith, Los Angeles, Calif., assignor to Phillip Lane Scott, Chicago, Ill.
Application June 17, 1933, Serial No. 676,268
11 Claims. (Cl. 123—78)



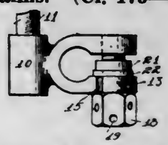
1. In combination in an internal combustion engine, a working cylinder, a piston therein, means defining a separate combustion chamber having communication with the working cylinder, and an auxiliary cylinder in communication with said combustion chamber, and means movable solely in response to pressure variations in the auxiliary cylinder and combustion chamber for forcing gas from said auxiliary cylinder, into said combustion chamber, and means providing a throat between said working cylinder and said combustion chamber.

2,154,506
MANUFACTURE OF BLUE-PRINT SHEETS
Walker M. Hinman, Winnetka, and Walter G. Hollmann, Chicago, Ill., assignors to The Frederick Post Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1937, Serial No. 129,646
15 Claims. (Cl. 95—6)



1. A sensitized blue-print sheet comprising a sheet having two contiguous water-permeable coats containing chemical ingredients, one coat being light-sensitive and located for positioning it between the other and a source of actinic light and containing light-sensitive ferrioxalate salt, a soluble ferricyanide salt and a reducing agent therefor capable of converting the ferricyanide to ferrocyanide by the action of actinic light, and the other coat containing a soluble complex salt of the group consisting of ferricyanide and ferrocyanide which is adapted to diffuse to the first coat upon wetting for reaction with the insoluble ferrous oxalate formed in the light-sensitive coat by the action of light.

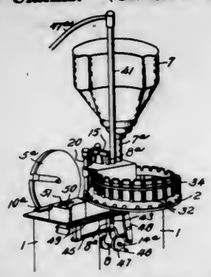
2,154,507
BATTERY TERMINAL CLAMP
Mark Hunefeld and Albert M. Kallansrud, Fort Dodge, Iowa
Application December 17, 1937, Serial No. 180,374
2 Claims. (Cl. 173—259)



1. A battery terminal clamp, comprising a body portion adapted to receive an electrical conducting cable, two arms fixed to the body portion and shaped to receive a battery post between them, one of the arms having a screw-threaded opening and the other having a slot in line with the screw-threaded opening and extended to the edge of the arm, a bolt having a screw-threaded end and a bolt head and a collar formed on it between the head and the screw-threaded end, said bolt being extended through said slot and into said screw-threaded opening, said collar being of such size and so positioned that it is normally between and spaced apart from both arms, and when the bolt has been partly un-

screwed from the screw-threaded opening, said collar will engage the adjacent arm so that further unscrewing movement will spread the arms, and said bolt being of such length that when the arms have been thus spread, the bolt will have been removed from the screw-threaded opening and may then be removed from said slot by tilting it toward the open end of the slot, and a bendable U-shaped washer applied to the bolt between said collar and the side of the adjacent arm.

2,154,508
DEVICE FOR PRODUCING SEALING DISK SETS FOR CLOSURE CAP SHELLS
Anders Josef Jonsson, Linkoping, Sweden
Application January 23, 1936, Serial No. 60,482
In Sweden January 26, 1935
10 Claims. (Cl. 154—1)



1. In a machine for adhesively uniting sealing disks and spots in centered superposed relation, a rotatable table, means for withdrawing an individual sealing disk from a stack and feeding it onto said table, means for rotating the table stepwise to advance said disk successively to different work stations, at one of said stations means to vertically displace said disk, guide elements to engage the peripheral edge of the disk during the vertical displacement of the latter so as to guide the disk into a predetermined centered position, and means to feed a spot between said guide elements into centered superposition with respect to said vertically displaced disk, and at some of said stations means for applying heat and pressure to said disk set, said last-named means comprising a series of spaced plungers arranged above the table.

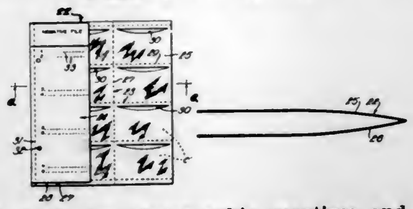
2,154,509
DIAZO SULPHONIC ACID ESTERS AND METHOD OF MAKING
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 11, 1936, Serial No. 95,483
5 Claims. (Cl. 260—141)

1. Compounds of the general formula:

$$\left(\begin{array}{c} R_4 \\ | \\ HO-R_1-N-C-OSO_2-N=N- \\ | \quad | \\ R_3 \quad R_4 \end{array}\right) Ar$$

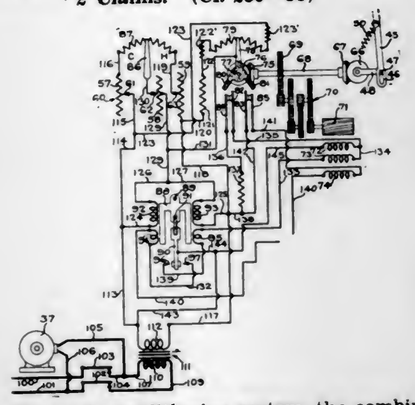
wherein R_1 represents a member of the group consisting of alkyl, cycloalkyl, hydroxyalkyl, and polyhydroxy-alkyl groups; R_2 represents a member of the group consisting of alkyl and cycloalkyl groups, and the group, HO—R_1; R_3 represents a member of the group consisting of hydrogen and alkyl groups; R_4 represents a member of the groups, and the group, HO—R_1; R_3 represents a and, but only when R_3 represents H, aryl groups; Ar represents a member of the group consisting of the aromatic residues of diazotizable aromatic mono- or di-amines; and x represents a member of the group consisting of 1 and 2.

2,154,510
NEGATIVE HOLDER
Rollin King and Earl T. Boaden, Los Angeles, Calif.
Application October 26, 1936, Serial No. 107,514
6 Claims. (Cl. 40—159)



1. A file for photographic negatives and the like comprising, a sheet of transparent material folded along two substantially parallel lines to have a front and two rear portions in adjacent substantially parallel relation to the front, to define a negative receiving space which is closed at opposite edges along said fold lines and lines of stitching substantially parallel with said fold lines securing together the front and rear portions and partitioning the space therebetween into compartments for receiving the negatives, the compartments having at least one end open for the reception of the negatives.

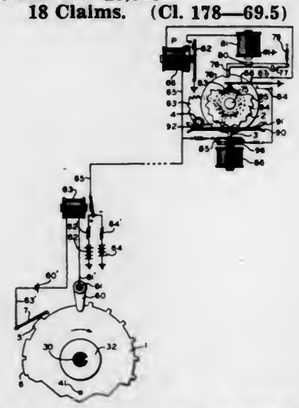
2,154,511
AIR CONDITIONING MECHANISM
George D. Kingsland, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 16, 1935, Serial No. 40,799
2 Claims. (Cl. 236—38)



1. In an air conditioning system, the combination of, a conditioning chamber having air conditioning apparatus therein, electrically operated fan means for circulating fresh and return air through the conditioning chamber to a space to be conditioned, an electric circuit for supplying power to the fan means, damper means for regulating the supply of fresh and return air circulated, means for biasing the damper means to fresh air preventing position, electric motor means acting against said biasing means for positioning said damper means, means for supplying

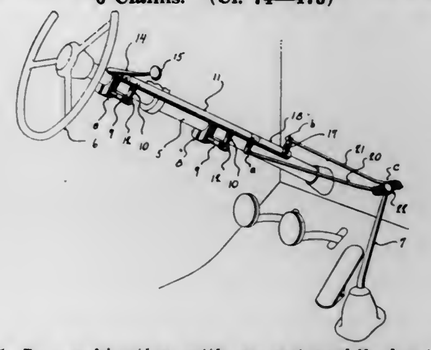
power to the electric motor means from the electric circuit of the fan means, a three wire control circuit for said electric motor means, said three wire control circuit including a common wire, a first control wire which is adapted in cooperation with said common wire to cause said electric motor means to operate in one direction, and a second control wire which is adapted in cooperation with said common wire to cause said motor means to operate in the opposite direction, condition responsive electric current controlling means for controlling said motor means, said current controlling means including a movable member connected to said common wire and means contacted by said movable member and adapted to place said common and control wires in cooperation respectively, a minimum position electric current controlling means interposed in one of said control wires between said condition responsive electric current controlling means and said motor means for preventing said condition responsive electric current controlling means from causing said motor means to move said damper means to a position stopping the supply of fresh air, and means for opening the electric circuit of the fan means for stopping the fan means and for interrupting the supply of power to the electric motor means whereby the biasing means moves the damper means, regardless of the condition responsive electric current controlling means and the minimum position electric current controlling means, to a position for substantially stopping the supply of fresh air.

2,154,512
FACSIMILE PRINTING TELEGRAPH SYSTEM AND APPARATUS
Edward E. Kleinschmidt and Edward F. Kleinschmidt, Highland Park, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application August 14, 1930, Serial No. 475,264, now Patent No. 2,046,328, dated July 7, 1936. Divided and this application April 29, 1935, Serial No. 18,813
18 Claims. (Cl. 178—69.5)



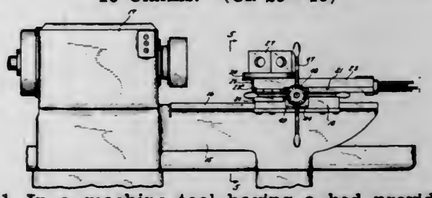
1. In a telegraph system, a signal channel, means to transmit over said channel a group of signals individual to each character which are composed of a plurality of scanning lines, means to transmit a single momentary starting signal preceding each group of signals for each complete character, a recorder normally inert, means responsive to said starting signal for rendering said recorder effective for recording of one complete chaacter, and means in said recorder responsive to the group of signals individual to the character for effecting recording thereof during the period such recorder is rendered effective by said starting signal.

2,154,513
GEAR SHIFTING ATTACHMENT
Baldwin Kuntz, Juneau, Wis.
Application May 10, 1938, Serial No. 207,030
6 Claims. (Cl. 74—473)



1. In combination with an automobile having a steering wheel and column, and having a gear shift lever, means operable from a point adjacent to the steering wheel for actuating the gear shift lever comprising: a shaft alongside the steering column; means mounting the shaft on the steering column in a manner allowing bodily swinging motion thereof with relation to the steering column and oscillation of the shaft on its own axis; levers carried by the shaft and extending in opposite directions; and links connecting the outer ends of said levers with the gear shift lever.

2,154,514
MACHINE TOOL
Max E. Lange, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application July 24, 1937, Serial No. 155,453
16 Claims. (Cl. 29—46)

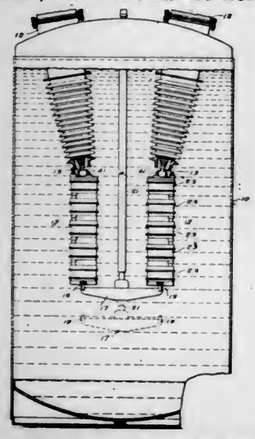


1. In a machine tool having a bed provided with ways, an adjustable base mounted on said ways and provided with ways, and a slide movable on said second named ways; a guard carried by said slide and overhanging and protecting said second named ways against the entrance of dirt, chips and other foreign matter.

2,154,515
CIRCUIT BREAKER
Winthrop M. Leeds, Wilkinsburg, and Benjamin P. Baker, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 29, 1936, Serial No. 82,408
17 Claims. (Cl. 200—145)

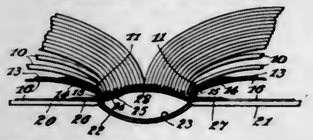
1. In a circuit interrupter, a pair of separable

contact members for establishing an arc, a pair of arc horns of generally annular shape spaced a considerable distance apart for receiving said arc, a coil in series with said contact members for producing a magnetic field to move said arc on to said arc horns, each of said arc horns having a



curved arc path thereon between which said arc is adapted to play in one long section, and a second coil in series with said arc horns for producing a radial magnetic field between said arc horns to move the arc laterally along said curved arc paths.

2,154,516
BINDING
Charles L'Enfant, New York, N. Y.
Application October 3, 1936, Serial No. 103,874
2 Claims. (Cl. 281—21)



1. A book comprising inner signatures, end signatures, and means securing the signatures together, said end signatures comprising sheets folded upon themselves along their median line, an outer folded sheet of composition fabric, stitching securing the inner portion of said outer sheet to an end signature outwardly of the folded portion thereof, said stitching engaging through one-half of the sheets of said end signature, a cover adhesively secured to one-half portion of said outer fabric sheet and a tubular tunnel member adhesively secured to the folded end portions of said inner and end signatures and to that portion of said cover confronting said inner and end signatures.

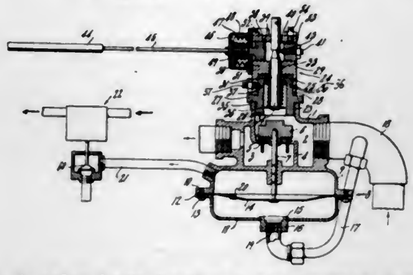
2,154,517
BREAKDOWN FIREARM
George S. Lewis, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application February 7, 1935, Serial No. 5,416
9 Claims. (Cl. 42—75)

1. In a firearm, the combination with a barrel having fastening-means thereon; of a forestock removably secured to the said barrel; and a forestock-retainer unit carried by the said forestock and having means engageable with the said fastening-means of the said barrel to yieldingly couple the latter and the said forestock together; the said forestock-retainer also having a yielding thrust-finger formed integral therewith and en-



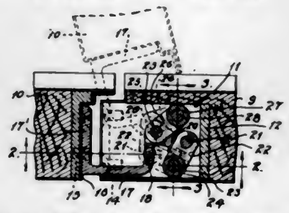
gageable with the said fastening-means of the said barrel and normally urging the forestock rearwardly with respect to the said barrel.

2,154,518
CONTROL VALVE FOR GAS-FIRED FLUID HEATERS
Herbert J. Long, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application January 3, 1938, Serial No. 182,991
4 Claims. (Cl. 137—139)



1. A valve body having a gas passage therethrough; a valve controlling said passage; said valve body having a threaded opening aligned with said valve of sufficient size to permit the insertion of said valve therethrough; a two part plug structure closing said opening; said plug structure comprising a threaded member adapted to coact with said threaded opening, and a second member mounted upon said threaded member; means permitting relative angular movement of said members while preventing relative longitudinal movement thereof; a rod extending through both of said members and projecting externally of said second member; a spring for biasing said rod toward said valve; a latch mechanism mounted in said second member for holding said rod away from said valve against the action of said spring; and thermostatically controlled means for releasing said latch mechanisms to close said valve.

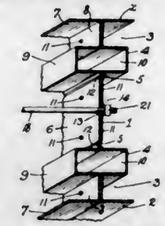
2,154,519
HINGE
John Ludwig, Detroit, Mich.
Application February 10, 1936, Serial No. 63,148
8 Claims. (Cl. 16—164)



5. A hinge of the class described, comprising: a U-shaped supporting body adapted for mounting on a stationary part; a hinge section adapted for

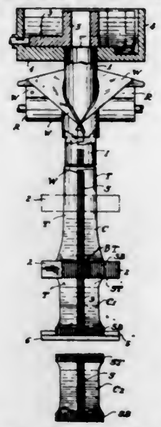
mounting on a swingable part associated with said stationary part, said hinge section having an angularly turned leg provided at its end with an outwardly angularly turned portion terminating in a knuckle, there being a knuckle formed at the juncture of said leg and said angularly turned portion; links for pivotally connecting said last-named knuckle to said U-shaped body; and links for pivotally connecting said terminal knuckle to said U-shaped body.

2,154,520
BUILDING UNIT
Henry J. Mackin, Kankakee, Ill.
Application April 17, 1937, Serial No. 137,398
16 Claims. (Cl. 72—115)



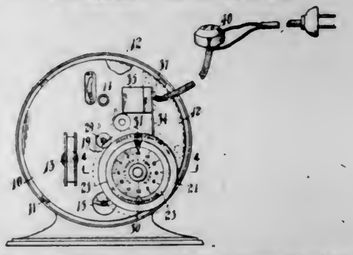
10. A wall structure, including a stud having two pairs of open sided parallel pockets arranged back to back in continuous contact with each other, abutting wall members inserted in and held in position by said pockets to form a hollow wall, a web perpendicular to the wall members joining the pairs of pockets.

2,154,521
METHOD OF MANUFACTURE OF FILLED CONTAINERS
Daniel E. Maxfield, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania
Application February 15, 1938, Serial No. 190,569
13 Claims. (Cl. 93—3)



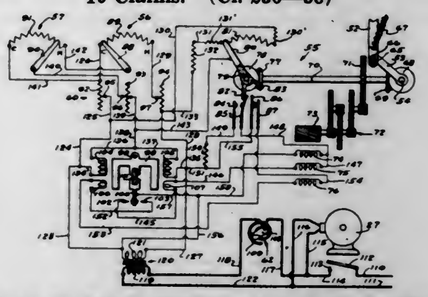
1. The method of manufacturing multi-ply liquid-filled containers which comprises forming nested tubes from a plurality of webs of flexible thermo-plastic material, at least the inner tube impervious to liquid, during application of heat joining the web margins and flattening the nested tubes transversely at intervals to form sealed liquid-tight containers, filling each container with liquid, and transversely severing the nested tubes at the flattened sections to detach the multi-ply sealed liquid-filled containers therefrom.

2,154,522
TIME SWITCH
James McCarrol, Toronto, Ontario, and Leonard K. Cheswright, Swansea, Ontario, Canada
Application September 24, 1936, Serial No. 102,294
6 Claims. (Cl. 200—36)



2. A time switch, comprising time clock mechanism, a disc rotatable by the clock mechanism; a dial associated with the disc, bearing time indicia; a pair of electrically connected cam-like contact members continuously rotatable with the said disc and adjustable relative thereto to respectively make and break a circuit at predetermined times as designated on the dial; and a pair of contact fingers each adapted to be engaged by the periphery of one of said contact members during a part only of their rotary movement.

2,154,523
UNIT VENTILATOR
John T. Midyette, Jr., Scarsdale, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 14, 1935, Serial No. 44,899
10 Claims. (Cl. 236—38)



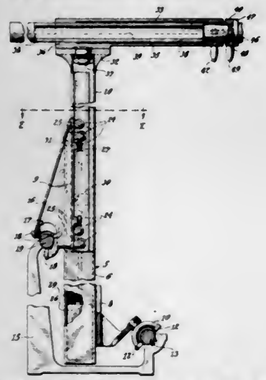
6. In an air conditioning system, in combination, means for supplying fresh air to a space to be conditioned, damper means movable between closed and open positions for controlling the fresh air supply, electric motor means for moving said damper means to various positions, a control circuit for said electric motor means for controlling the operation thereof, a first temperature responsive electric current controlling means responsive to a temperature condition which is affected by the position of the fresh air damper means and being connected in said control circuit in a manner to position said electric motor means and hence said damper means to maintain said temperature condition substantially constant, a second temperature responsive electric current controlling means responsive to another temperature condition and being connected in said motor control circuit with said first tem-

perature responsive electric current controlling means in a manner to render said first temperature responsive current controlling means substantially ineffective to position said electric motor means and to position substantially independently said electric motor means and hence said damper means whenever the temperature condition to which said second temperature responsive electric current controlling means responds varies to a predetermined value, means included in said control circuit for normally preventing either of said temperature responsive electric current controlling means from completely closing said fresh air damper means, and means for completely closing said fresh air damper means regardless of the controlling action of the temperature responsive electric current controlling means.

2,154,524
X-RAY TUBE STAND

Albert C. Nelson, Flushing, N. Y., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware

Application June 13, 1935, Serial No. 26,326
4 Claims. (Cl. 248—162)



1. A stand for supporting an X-ray tube unit to enable substantially universal movement thereof comprising a base provided with spaced hollow vertically disposed sections, a vertical upright disposed between said vertical hollow sections, means carried by said base and engaging said upright to prevent lateral movement therebetween and to enable said upright to be moved to various vertical positions with respect to said base, and means disposed in the vertical hollow sections of said base and connected to said vertical upright to counterbalance vertical movement thereof.

2,154,525
CASTER CONTROL MEANS FOR MOVABLE TRUCKS AND THE LIKE

George C. Noros, Manheim, and Harry W. Kulp, Lancaster, Pa., assignors to Bond Foundry & Machine Company, Manheim, Pa., a corporation of Pennsylvania

Application April 8, 1938, Serial No. 200,966
8 Claims. (Cl. 280—49)

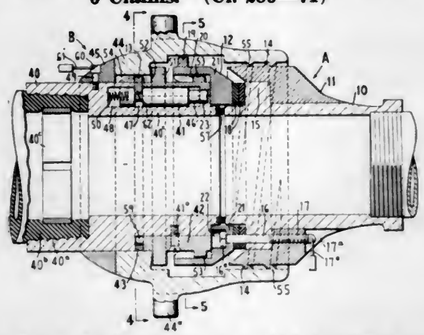


1. In combination with a truck or the like, a pair of swivel casters having notched swivel plates, locking plungers respectively adapted to enter the notches in the plates to lock the casters against swiveling, yielding means urging the plungers toward the plates, flexible means of predetermined length interconnecting the plungers, a vertically movable lever pivoted to each plunger, and camming means adapted to urge the lever in a direction to move the plunger away from the plate as the lever is moved in one direction about its pivot.

2,154,526
MATED COUPLING FOR FLUID SYSTEMS

Prosper W. Parkerton, West Hartford, Conn.

Application June 15, 1938, Serial No. 213,797
6 Claims. (Cl. 285—71)

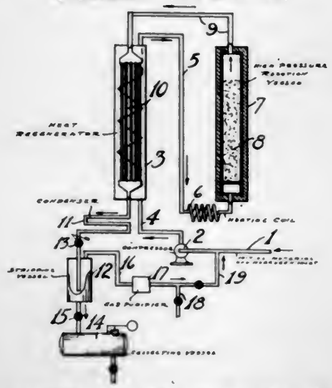


1. In a fluid system, a mated coupling comprising a fixed member and a movable member adapted to fit over and against the fixed member, a plurality of longitudinally extending lugs disposed on said fixed member, a complementary member of longitudinally yielding cams having annular grooves thereon disposed on said movable member, and a locking ring disposed within said movable member, said ring being adapted and arranged to be brought into alignment with the annular grooves when the movable member is moved toward the fixed member to depress said cams, and to turn through said grooves when the movable member is rotated.

2,154,527
CARRYING OUT CATALYTIC REACTIONS

Mathias Pier, Heidelberg, and Walter Simon and Paul Jacob, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

Application December 28, 1935, Serial No. 56,532
In Germany December 29, 1934
6 Claims. (Cl. 196—53)

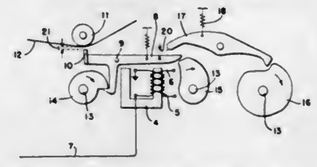


1. A process for the production of valuable hydrocarbon products by catalytic treatment of combustible carbonaceous materials with added hydrogenating gases at temperatures of 175 to 700° C. and under a pressure up to 1000 atmospheres which comprises employing as a catalyst a porous, siliceous material, the activity of which has been increased by treating it prior to its application with an agent selected from the group consisting of gaseous, liquid and solutions of fluorine, hydrogen fluoride and other compounds of fluorine capable of corroding siliceous material and washing said material in order to remove the fluorine-containing agent.

2,154,528
PRINTING TELEGRAPH APPARATUS

Horst Rassow, Berlin-Friedenau, and Willy Skawran, Berlin-Spandau, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application August 28, 1937, Serial No. 161,360
In Germany August 31, 1936
7 Claims. (Cl. 178—5)

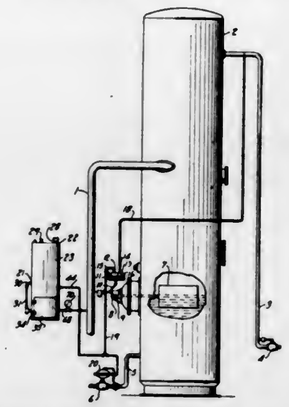


1. A printing telegraph receiver including an electromagnet responsive to signal impulses, an operating shaft, means for normally holding said shaft against rotation actuated upon the initial operation of said electromagnet, and means effective following the release of said shaft for establishing a condition to reduce the energy required to operate said electromagnet.

2,154,529
CHEMICAL FEEDER AND SAMPLER

Gwynne Raymond, Oklahoma City, Okla.

Application December 19, 1936, Serial No. 116,835
13 Claims. (Cl. 137—165)

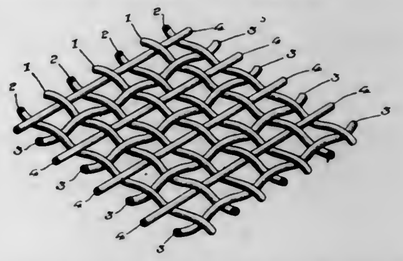


12. In combination with means for conducting flow of a liquid, means for effecting discharge of predetermined quantities of the liquid, a pump apparatus for introducing a fluid into said liquid, a pressure medium supply for the pumping apparatus separate from said liquid, a pilot valve for controlling flow of pressure medium to the pumping apparatus, and means connecting the pilot valve with said discharge means whereby said pumping apparatus is actuated responsive to actuation of said discharge means.

2,154,530
SCREEN CLOTH AND METHOD OF MAKING THE SAME

Samuel Davis Robins, Hewlett, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey

Application April 14, 1938, Serial No. 201,967
4 Claims. (Cl. 245—8)

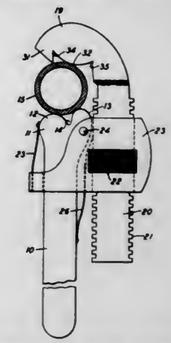


1. Screen cloth of the character described embodying crimped rods arranged in spaced parallel relation, spaced similarly formed rods arranged transversely of and in alternate upper and lower bearing relation to the first-named rods, and a plurality of substantially straight rods arranged in alternation with the second-named rods and in spring setting relation with the upper and lower crimped portions of the first-named rods.

2,154,531
GRIPPING DEVICE

Matthew J. Roche, Dunmore, Pa.

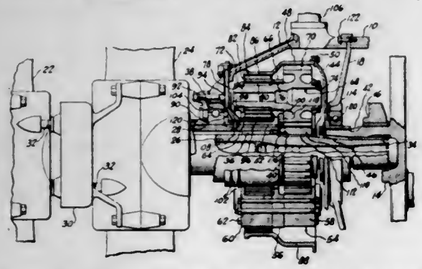
Application December 9, 1936, Serial No. 114,948
1 Claim. (Cl. 81—186)



A Stillson type of wrench comprising a handle having a fixed inner jaw, a movable outer jaw, the fixed jaw being formed with an outer curvilinear grip and an inner curvilinear grip both of which project from the plane thereof with such lengths as to engage work in different planes which are transverse to the longitudinal axis of the handle, the movable jaw being provided with an outer pointed grip and an inner curvilinear grip both of which project from the plane thereof with such lengths as to engage work substantially in the same plane which is transverse to the longitudinal axis of the handle, the normal spacing between the outer grips being greater than that between the inner grips, the grips on the two jaws comprising a four-point engagement

on substantially opposite segments of work such that the pointed grip bites thereinto, and means for effecting the four-point engagement in such manner that a point of engagement of the pointed grip and a point of engagement of the outer grip on the fixed jaw are disposed in a plane which is substantially parallel to the longitudinal axis of the handle while a point of engagement of the inner grip on the movable jaw and a point of engagement of the inner grip on the fixed jaw are disposed in a different plane which is substantially parallel to the longitudinal axis of the handle.

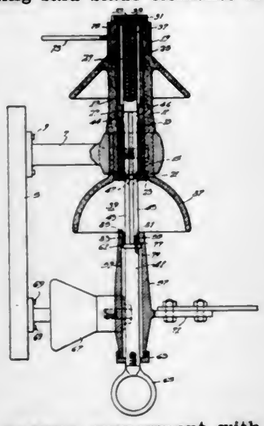
2,154,532
PROPELLER DRIVE FOR OPPOSITELY ROTATING COAXIAL PROPELLERS
Earle A. Ryder, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 14, 1936, Serial No. 79,644
5 Claims. (Cl. 74—305)



1. In a propeller drive for oppositely rotating coaxial propellers, an engine drive shaft, a pair of propeller carrying driven shafts coaxial with each other and with said driven shaft, and means for driving said driven shafts in opposite directions with respect to each other and at a speed different from the speed of said drive shaft, said means comprising, a planetary gear train including a movable cage on one of said driven shafts, a plurality of planetary gears carried by said cage, a fixed center gear meshing with said planetary gears, an annular drive gear meshing with said planetary gears, a gear on the other of said driven shafts, a reverse driving gear operatively associated with each of said planetary gears meshing with the gear on said other driven shaft, an annular bearing between said fixed center gear and said cage, and a slidable connection between each of said shafts and the associated element of said gear train.

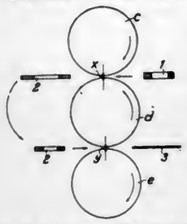
2,154,533
CIRCUIT INTERRUPTER
Stanley T. Schofield, deceased, late of Wilkinsburg, Pa., by Martha M. Schofield, administratrix, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1937, Serial No. 144,134
17 Claims. (Cl. 200—48)

1. In a circuit interrupter, means defining an elongated arc passage, a fixed contact within said arc passage, a contact member movable longitudinally of said passage to open and closed positions, said contact member comprising a pair of elongated blade elements, said blade elements being adapted for relative longitudinal movement with respect to each other, and means responsive to said relative longitudinal movement for causing said blade elements to be moved laterally toward and away from each other, said last named means causing said blade elements to be moved



into high pressure engagement with said fixed contact during the final movement of said contact member to the closed position.

2,154,534
METHOD OF MANUFACTURING ANNULAR DISKS
Hans Schuster, Immigrath, Niederrhein, Germany
Application August 31, 1937, Serial No. 161,726
In Germany August 14, 1937
7 Claims. (Cl. 80—60)

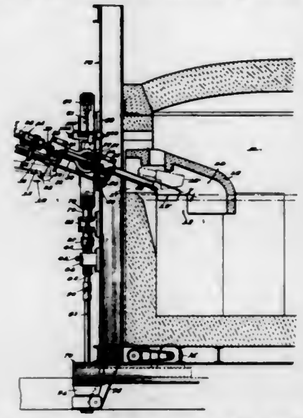


1. The method of manufacturing thin annular disks from thicker annular disks, which comprises, rolling the thicker disk along one axis across its width to thin it, increase its area, and elongate it along the axis of rolling, turning the disk and rolling it along another axis, and continuing the turning and rolling operations until a thinner annular disk having the same interior and exterior shape as the original disk is produced.

2,154,535
GLASS CIRCULATING APPARATUS
Harold R. Schutz, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio
Application September 16, 1936, Serial No. 101,117
12 Claims. (Cl. 49—56)

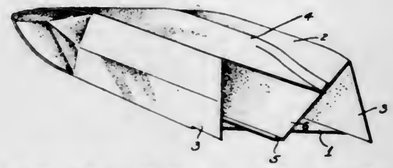
1. The combination with a furnace provided with an opening in its front wall through which mold charges are withdrawn and delivered to a glassware forming machine, of a glass circulating mechanism comprising a vertically extending rotatable shaft positioned in close proximity to said front wall, a horizontal shaft pivotally mounted for horizontal swinging movement about the axis of said first mentioned shaft, means for effecting driving connection between said shafts throughout the entire range of

swinging movement of said horizontal shaft, an impeller shaft pivotally mounted for vertical swinging movement about the axis of said horizontal shaft, means for effecting driving connec-



tion between said impeller shaft and horizontal shaft throughout the entire range of swinging movement of said impeller shaft, an impeller mounted on one end of said impeller shaft, and means for driving said first mentioned shaft.

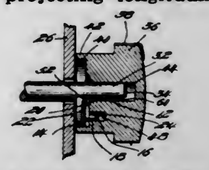
2,154,536
SHOE BAG
Edward Sebastian, St. Louis, Mo., assignor to Orchard Paper Co., St. Louis, Mo., a corporation of Missouri
Application October 5, 1935, Serial No. 43,678
2 Claims. (Cl. 229—56)



1. A bag formed of a pair of opposed panels, the bottom end of one of which projects longitudinally past the other, and side walls and a partition wall substantially coextensive in length and terminating substantially at the bottom end of said second panel, said entire bag formed of a single sheet of material, said sheet folded lengthwise with one longitudinal free edge secured to the exterior of and forming a part of one of said panels, and the other longitudinal free edge secured to the inside of the other panel, and said projecting end of said panel folded transversely upon the other panel to form the bottom closure of the bag.

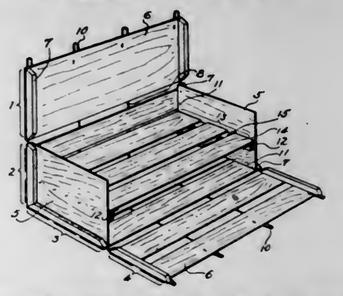
2,154,537
SPRING HOLDING CLIP FOR USE IN RADIOS AND OTHER DEVICES
Knut E. Birger Stenberg, Attleboro, Mass., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass., a corporation of Massachusetts
Application January 19, 1938, Serial No. 185,718
4 Claims. (Cl. 287—53)

2. A flat metal spring clip for use in attaching knobs to rotatable radio rods, comprising an outwardly bowed longitudinally extending portion and a portion projecting radially outwardly from an end thereof having an integral lug of substantial width projecting longitudinally in the



same direction as said bowed portion from a portion thereof.

2,154,538
COMBINATION SHIPPING AND DISPLAY CONTAINER
Earl R. Stivers, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application October 17, 1934, Serial No. 748,615
4 Claims. (Cl. 217—36)

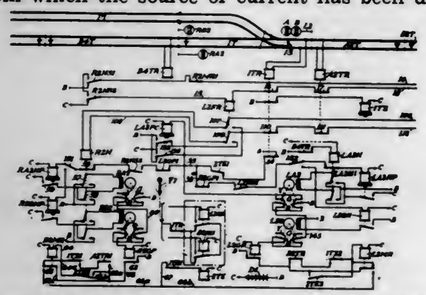


1. A combination shipping and display container comprising, in combination, front, top, rear and bottom sections, each consisting of side material and end cleats, flexible binders encircling said sections and having a bight formed on each of the ends of each binder so that the ends of each binder may be releasably connected adjacent a top corner edge of the container, end sections secured to cleats of the rear and bottom sections and free of attachment to the top and front sections, and a horizontal partition slidably supported by battens secured to the end sections, whereby when the binder ends are disconnected, the top section may be raised and the front section lowered, and a portion of the contents of the container moved out onto the front section for display.

2,154,539
TRAFFIC CONTROLLING APPARATUS
Paul P. Stoker, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 2, 1935, Serial No. 19,462
16 Claims. (Cl. 246—3)

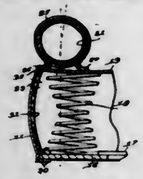
1. In combination, a stretch of railway track over which traffic normally moves in either direction, a normally deenergized directional circuit for the stretch including a directional relay at each end of the stretch and the outgoing and return conductors of which are normally disconnected from each other, a source of current at each end of the stretch normally connected to said circuit, a home signal control relay at each end of the stretch, operator controlled means to selectively disconnect one or the other of said sources of current from said circuit and for connecting the conductors of said circuit together to render the other source at the opposite end active to energize said circuit, and contacts on

the directional relay at the end of the circuit from which the source of current has been dis-



connected to prepare an operating circuit for said home signal relay at its end.

2,154,540
BUS SEAT SAFETY DEVICE
Michael B. Sullivan, Spokane, Wash.
Application May 7, 1937, Serial No. 141,313
8 Claims. (Cl. 155—179)

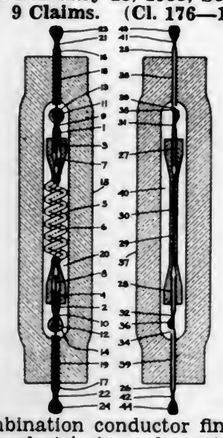


1. In an aisle safety device for transversely disposed bus passenger seats opposite an aisle, a yielding passenger seat extending from the bus side to the bus aisle and having an aisle end portion sloping downwardly toward the aisle end of said seat, a safety guard extending along said sloping portion parallel with the aisle end of said seat and composed of a tube of yielding material and a casing therefor having its outer margin secured to the aisle end of said seat and its inner margin secured to the seat top of said sloping portion whereby said guard will normally tilt outwardly toward the bus aisle when said seat is unoccupied, and a vertically disposed yieldable slab in said seat extending along the depth of the aisle end thereof and outside a vertical line intersecting the longitudinal axis of said guard and adapted to buckle under direct or seat loads and resist compressive stress in the direction of its own plane, whereby normal depression of said seat by an occupant inside said guard will tilt the latter inwardly toward the person of such occupant and act to prevent the latter from accidently sliding off the aisle end of said seat when the bus is making a sharp turn.

2,154,541
RESIN MANUFACTURE
Leslie T. Sutherland, Yonkers, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 6, 1936, Serial No. 72,981
11 Claims. (Cl. 260—57)

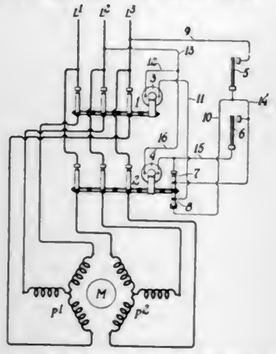
1. The method of preparing cast resins from a phenolic material of the group consisting of (*a*) homologs of phenol and (*b*) mixtures of phenol and homologs of phenol in a ratio below 4:1, which comprises heating to a temperature between about 60° C. and about 100° C. a mixture of said phenolic material and aqueous formaldehyde, in a ratio of not more than one mol phenolic material to two mols formaldehyde, in the absence of added condensing agents other than alkali-metal hydroxide and in the absence of alkali-metal hydroxide in an amount equivalent to more than 2% of sodium hydroxide based on the weight of said phenolic material, until a viscous liquid material is formed which stratifies when cooled to room temperature, neutralizing the viscous liquid material, removing water present, and heat-curing the resultant mass in a suitable mold.

2,154,542
ELECTRIC INCANDESCENT HIGH PRESSURE GAS METALLIC VAPOR LAMP
Harold Swanson, Cleveland, Ohio
Application February 15, 1938, Serial No. 190,615
9 Claims. (Cl. 176—122)



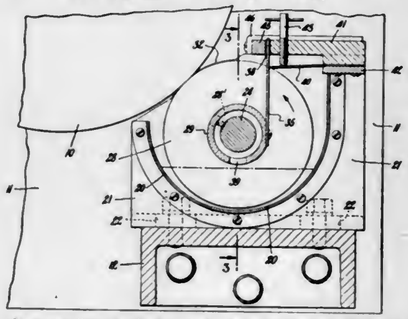
1. A combination conductor final seal tubulation, for an electric incandescent metallic vapor filament capillary tube, consisting of, a hollow metal wire fluid pressure filling tube hermetically sealed into the bore end of said filament tube, a high temperature heat resisting electric conductor lead-in wire electrode being inserted into said filament tube through said hollow metal wire, a final seal being said hollow metal wire closed air tight around said electrode near the external end.

2,154,543
CONTROLLER FOR ALTERNATING CURRENT MOTORS
Karl O. Swanson, Chicago, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 28, 1938, Serial No. 210,649
7 Claims. (Cl. 172—179)



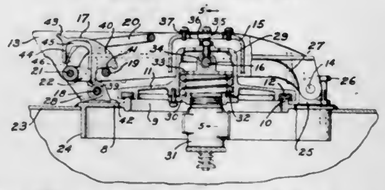
7. The combination with a motor having low speed and high speed windings, of electroresponsive switches to be energized selectively to energize selectively the low speed and high speed windings of said motor, a thermal device responsive under predetermined thermal conditions to energize the low speed switch subject to deenergization thereof upon response of the high speed switch, a thermal device responsive under predetermined thermal conditions to establish for the high speed switch an energizing circuit dependent for completion upon prior response of the first mentioned thermal device, and a maintaining circuit for the high speed switch established thereby upon responding, said maintaining circuit being independent of the second mentioned thermal device but being subject to interruption by the first mentioned thermal device when the latter returns to a given normal position.

2,154,544
INKING MECHANISM
Auburn Taylor, Charleston, W. Va., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application March 5, 1937, Serial No. 129,134
21 Claims. (Cl. 101—350)



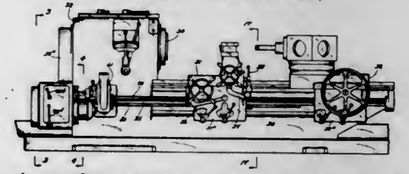
1. A supplementary ink fountain including in combination a trough, a plurality of narrow faced members rotatable therein, a roller connected to rotate the members, said roller having at least a portion of its face lying on a line with the periphery of the narrow faced members whereby they may both be contacted with a rotating ink drum.

2,154,545
CLOSURE
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1936, Serial No. 111,038
4 Claims. (Cl. 220—57)



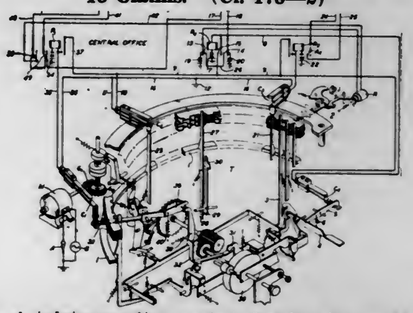
1. In combination, a support having an opening, a lever pivotally suspended to swing across said opening, a closure cover pivotally suspended from said lever and being cooperable with said support to seal said opening, and resilient means interposed between said cover and its suspension pivot, said means being adjustable to vary the sealing pressure and the axes of the lever and cover suspension pivots being approximately parallel to each other.

2,154,546
MACHINE TOOL
John J. N. Van Hamersveld, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application April 27, 1937, Serial No. 139,243
22 Claims. (Cl. 29—47)



1. A machine tool comprising means for imparting feeding movements to a cutting tool, separate means for imparting threading movements to a threading tool, separate means for imparting a quick return movement to said threading tool, and a single control member for controlling said last two means and operatively connected therewith.

2,154,547
TELETYPEWRITER SYSTEM
Charles R. Walker, Jersey City, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 11, 1935, Serial No. 53,950
18 Claims. (Cl. 178—2)

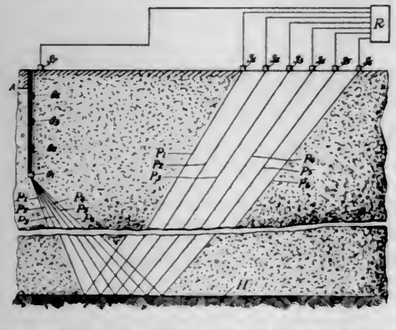


1. A teletypewriter system having in combination a first teletypewriter station, a second teletypewriter station, a transmission line for connecting the two stations, said first station having a teletypewriter motor having a normally open energizing circuit, said second station having a teletypewriter including a plurality of pull bars, a reciprocating bail for momentarily elevating the pull bars individually, a switching relay also located at the second station for closing the energizing circuit of the teletypewriter motor at the first station, an energizing circuit for energizing said switching relay, a control contact located in the teletypewriter and connected in series with said energizing circuit of said switching relay for controlling the energization of the switching relay, and means for operating said control contact in response to the elevation of a preassigned pull bar by the bail.

2,154,548
SEISMIC SURVEYING
Benjamin B. Weatherby, Tulsa, Okla., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey
Application September 24, 1936, Serial No. 102,258
1 Claim. (Cl. 181—0.5)

In the method of seismic surveying by correlation of reflection records produced by detonation of explosive charges in bore holes in an area

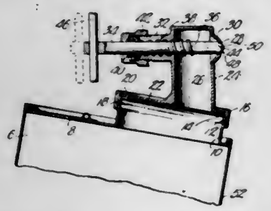
characterized by a surface layer of such nature that a charge detonated at some depth or depths in a bore hole produces a seismic record which is not correlatable with records obtained by detonating charges in other similar bore holes in that area, the procedure which consists in successively detonating a plurality of charges at different depths in each bore hole, making at each



of a plurality of recording stations associated with said bore holes separate records of the seismic waves produced by the detonation of each individual charge and, for correlation purposes, selecting from the series of records made at the various recording stations a group of records consisting of one record from each recording station having the greatest similarity each to the

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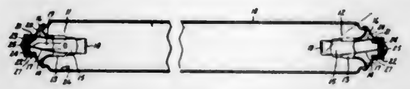
2,154,549
LACQUER DISPENSING VALVE
Gerald E. Weissert, Kansas City, Mo., assignor to Sewall Paint & Varnish Company, Kansas City, Mo., a corporation of Missouri
Application August 8, 1938, Serial No. 223,711
7 Claims. (Cl. 221—22)



1. A dispensing valve for containers having a flat end-wall and a neck extending outwardly from the said wall, comprising a plate having one side thereof bearing against the free end of said neck; means to secure the plate in position against the neck; and a hollow body having an outlet port in the side thereof, extending outwardly from the other side of the plate, said hollow body being eccentrically positioned on the plate near the edge thereof.

2,154,550
ELECTRIC LAMP OR SIMILAR DEVICE
Arthur J. White, Cleveland Heights, and Percy J. Johnson, University Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application July 28, 1937, Serial No. 156,118
3 Claims. (Cl. 176—126)

1. An electric discharge device comprising a tubular glass envelope having electrodes sealed therein at its ends, a pair of lead wires electrically connected to the ends of each of said electrodes and extending through the ends of said envelope, and a base structure at each end of the device comprising a metal disc sealed directly to the end of the container and having an open-



ing therein, and a plug of insulating material located in said opening in said disc, one of said lead wires being electrically connected to said disc, the other lead wire extending through an opening in said insulating plug to a contact thereon.

2,154,551
FLEXIBLE STRANDED CONDUCTOR
Hans V. Wodtke, Marion, Ind., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application March 28, 1936, Serial No. 71,372
6 Claims. (Cl. 174—128)



1. A stranded electrical conductor for flexible cords comprising a plurality of metallic conducting strands twisted into a common assembly with strands of said assembly in conductive contact with other strands and strands of resilient material irregularly interspersed and twisted with said metallic strands in said conductor to vary in cross sectional position in the conductor and in relation to other strands at successive longitudinal distances.

2,154,552
PENTAERYTHRITOL TETRANITRATE EXPLOSIVE
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application November 4, 1938, Serial No. 238,803
7 Claims. (Cl. 52—13)

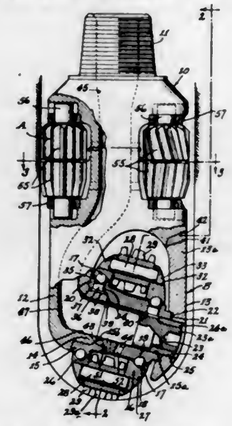
1. The process for the preparation of a low friction-sensitive pentaerythritol tetranitrate composition comprising, co-nitration of a mixture of pentaerythritol and "polyhydroxide", drowning of resultant mixture in water and boil stabilizing.

3. A composition of matter comprising pentaerythritol tetranitrate and nitrated "polyhydroxide"; said pentaerythritol tetranitrate being present in crystalline condition and containing nitrated "polyhydroxide" in solution.

2,154,553
FLUID OPERATED ROTARY DRILLING BIT
John A. Zublin, Los Angeles, Calif.
Application August 29, 1938, Serial No. 227,277
18 Claims. (Cl. 255—71)

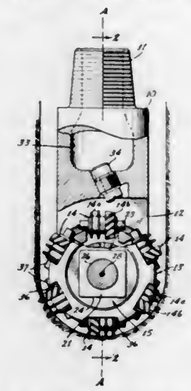
1. In an earth boring apparatus, a shank, cutter means rotatably mounted on the shank, and fluid discharge means within the cutter means

supported by said shank, said fluid means including a plurality of rows of nozzles adapted



to direct their discharges against the same portions of said cutter means to cause its rotation.

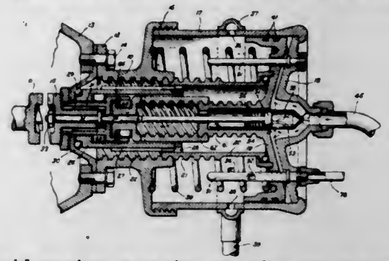
2,154,554
STAR-DISK ROLLER BIT
John A. Zublin, Los Angeles, Calif.
Application August 29, 1938, Serial No. 227,280
7 Claims. (Cl. 255—71)



1. An earth boring tool comprising a shank, one or more rollers rotatable with respect to said shank, and means mounting said rollers on said shank for intermittent contact with the formation, at least one of said rollers having disk cutters with continuous circumferential cutting edges on a portion thereof and toothed cutters on another portion thereof.

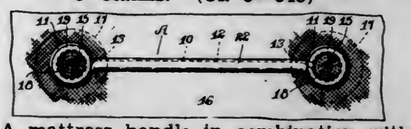
2,154,555
ENGINE STARTING APPARATUS
Howard Baer, Jersey City, N. J., and Martin J. Finnegan, New York, N. Y., assignors to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application August 1, 1935, Serial No. 34,286
5 Claims. (Cl. 123—179)

1. In a device of the class described, the combination with an engine engaging member of means operating successively to drive said engine engaging member, rectilineally moving means for controlling the effectiveness of said successively operating means and means carried by one of said heretofore recited means to cause movement



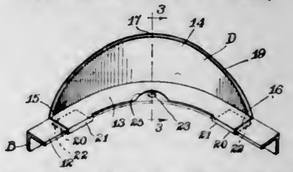
of said engine engaging member to engine engaging position.

2,154,556
HANDLE FOR MATTRESSES AND THE LIKE
Michael Bechik, St. Paul, Minn.
Application December 16, 1936, Serial No. 116,162
3 Claims. (Cl. 5—345)



3. A mattress handle in combination with a flexible mattress wall including a rigid bar substantially circular in cross section throughout its length, ends on said bar bent to form a large circular loop at each end of said handle, a large hollow ventilating grommet extending through each said loop and through said mattress wall to hold said bar to said wall, tubing covering said bar between said loops, said tubing being of a diameter to fit closely about said bar but to be longitudinally slidable thereupon, said tubing being of flexible material.

2,154,557
MATTRESS HOLDER FOR BEDSPRINGS
Michael Bechik, St. Paul, Minn.
Application February 27, 1937, Serial No. 128,042
4 Claims. (Cl. 5—322)

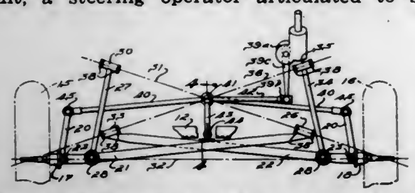


1. A mattress holder for bed springs in combination with a rectangular bed spring having vertical coil springs therein, comprising an upwardly extending plate adapted to engage the edge of a mattress, a second plate rigidly connected to said first plate and overlying one of said vertical springs and secured thereto, and means for securing said second mentioned plate to two adjacent edges of the bed spring.

2,154,558
MOTOR VEHICLE
Paul K. Beemer, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 19, 1934, Serial No. 707,242
12 Claims. (Cl. 280—96.2)

1. In a motor vehicle, a frame, steerable wheels

arranged at each side of said frame, a steering knuckle for each wheel, independent suspension means comprising an individual axle for each wheel pivotally mounting the steering knuckle therefor, resilient means connecting each axle to said frame, steering mechanism connected to said steering knuckles and having a single control point, a steering operator articulated to said



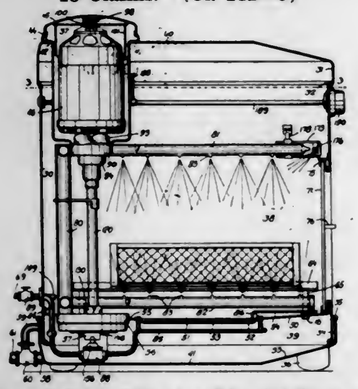
steering mechanism at said control point and means for pivotally connecting each axle to said frame for oscillation about an axis inclined at an acute angle with respect to the vertical longitudinal mid-plane of the vehicle, said axis intersecting a like inclined axis of oscillation of the other axle approximately at the single control point of said steering mechanism.

2,154,559

DISHWASHING MACHINE

Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden

Application October 22, 1934, Serial No. 749,456
In Sweden October 23, 1933
18 Claims. (Cl. 141—9)



1. In a dish washing machine having a casing and a rack for supporting the dishes, two interconnected spray nozzle pipes each on one of two opposite sides of the rack, means to supply a washing liquid to said pipes, means automatically to impart to the pipes an oscillatory motion, said means comprising a movable deflecting member mounted on one of said spray pipes in front of a nozzle therein for directing the jet from said nozzle obliquely to the direction of oscillation of the pipes so as to cause the pipes to be moved by the reactive force of said jet, and means on the casing adapted to change the inclination of said deflecting member so as to reverse the direction of oscillation of the pipes.

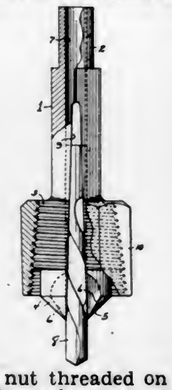
2,154,560

COMBINED CHUCK AND REAMER

Stephen Ziba Bonham, Kingston, Pa.

Application October 15, 1936, Serial No. 105,819
2 Claims. (Cl. 77—66)

1. A combined drill chuck and reamer comprising, a tail stock part, an enlarged head part at one end thereof, tapering inwardly toward the tail stock end and exteriorly threaded, and a reamer part extending forwardly from the head part at the end opposite said tail stock, said parts being axially allgned and bored to receive drills of different sizes therebetween and split centrally from side to side from the outer face of the reamer part to a point adjacent the opposite end of the tail stock part to thereby provide opposed clamping members for gripping said drills there-



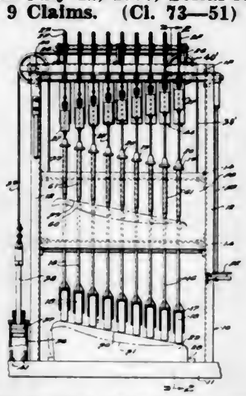
between, and a nut threaded on said head part for drawing said members into clamping relation to said drills and for movement forwardly beyond said head part at the end opposite said tail stock to different positions in inverse ratio to the diameters of the drills clamped by said members, whereby said nut is adapted to engage the work to limit in different degree the depth of the reaming operation in connection with the drilling of bores of different diameters.

2,154,561

CUSHION TESTING APPARATUS

Carl Breer, Grosse Pointe Park, and Clark A. Tea, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application July 12, 1937, Serial No. 153,172
9 Claims. (Cl. 73—51)



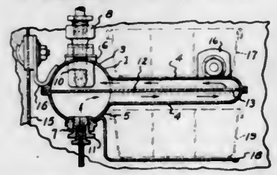
1. Cushion testing apparatus comprising a frame structure, a support for a cushion under examination, a plurality of cushion contacting members shiftably mounted on said frame structure, each respectively engageable with successively adjacent portions of the occupants supporting side of said cushion, a chart adjacent said frame structure having a graph thereon representing the desired contour of said supporting side of said cushion, indicating means, one operable by each of said cushion contacting members respectively for indicating on said chart the departure of said portions of said supporting side from said desired contour, and means for alternatively placing said cushion contacting members under predetermined loads and for unloading the same respectively.

2,154,562

CONSTRUCTION OF EVAPORATOR UNITS AND COMPOSITE EVAPORATORS

Lewis M. Crosley and Roland H. Money, Cincinnati, Ohio, assignors to The Crosley Corporation, a corporation of Ohio

Application August 20, 1934, Serial No. 740,554
8 Claims. (Cl. 62—126)



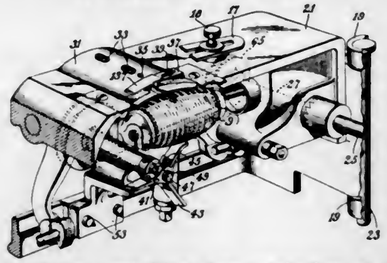
7. An evaporator for refrigerators comprising a pair of embossed plates fastened together in opposed relationship, said plates being embossed to form juxtaposed header portions and juxtaposed finger-like extensions which form tube-like portions, and an internal diaphragm completing the headers and perforated and arranged to cause refrigerant passing from one of said headers to the other of said headers to traverse said tube-like portions.

2,154,563

SKIVING MACHINE

Newell V. Dyer, Brockton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application February 23, 1937, Serial No. 127,081
10 Claims. (Cl. 12—62)



1. A skiving machine for producing a comparatively wide scarf on a piece of sheet material having, in combination, a knife, a yielding work support over which the work is fed to the knife, a presser for pressing the work against the support and an unyielding finger for engaging the work at the base of the scarf and maintaining that locality of the work always in the same relation to the edge of the knife.

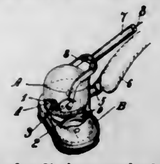
2,154,564

POWER DRIVEN, MANUALLY GUIDED LAWN MOWER

Friedrich Eisenlohr, Stuttgart-Bad Cannstatt, Germany, assignor to G. Staehle Kommanditgesellschaft, Stuttgart-Bad Cannstatt, Germany

Application July 26, 1937, Serial No. 155,768
In Germany August 8, 1936
5 Claims. (Cl. 56—25)

1. A convertible device comprising the combination of a household cleaning and waxing appliance including a casing, a motor in said casing and a motor shaft for driving tools supported for rotation by said casing, with at least one horizontally revolving lawn cutting blade, a portable truck surrounding and supporting said blade, means for regulating the height of cutting of said



blade, a hollow shaft journaled in said truck and detachably fitted over and driven by said motor shaft, a driving connection between said hollow shaft and said blade, said blade, regulating means, truck, hollow shaft and driving connection constituting an implement attachable to and detachable from the casing of said appliance.

2,154,565

OIL FILTER

Kenneth Elmer Fife, Toronto, Ontario, Canada

Application April 21, 1937, Serial No. 138,225
2 Claims. (Cl. 210—178)



2. In an oil filter, the combination with the casing and suitable discharge therefor, of a central tube open at the bottom end and slotted, filtering discs of paper surrounding the tube, pebbled plates and peripheral rings supporting the filtering paper, separating rings having the hubs thereof of greater diameter than the central tube provided with radial orifices, and an outer perimeter separating the filtering discs in order to cause the oil to pass through the filtering paper to the exterior of the sections into the casing.

2,154,566

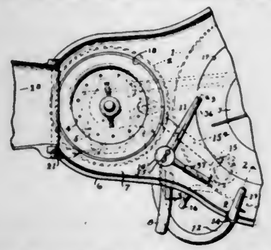
LIQUID SUPPLY AND CONTROL DEVICE

Walter A. Frantz, Cleveland Heights, and John J. McCabe, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 8, 1933, Serial No. 684,203
In Canada January 9, 1933
11 Claims. (Cl. 68—26)

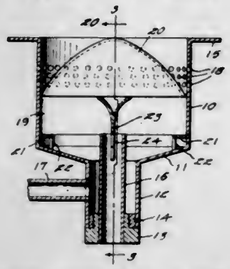
1. In a laundry machine, a casing, a centrifugal extractor in said casing having a working opening in the top thereof, a substantially imperforate cover for said extractor pivoted to said casing for movement over and away from the working opening of said extractor, means pivotally carried at the top of said machine and movable to

and from a position beneath said cover for directing a flow of rinse water into the working opening of said extractor during its operation



and when its cover is in a closed position, and a conduit for connecting said means to a source of water supply.

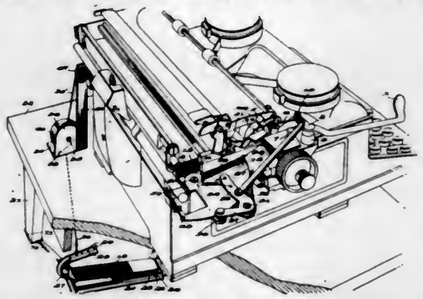
2,154,567
OIL BURNER
Charles E. Goulding, Sr., Tampa, Fla.
Application June 8, 1938, Serial No. 212,586
1 Claim. (Cl. 158—91)



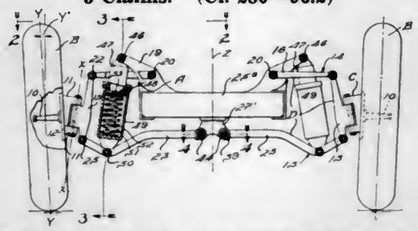
An oil burner comprising a cylindrical body, a tube depending from the body, a bushing in the tube, a tube disposed axially in the first named tube and open at both ends, a fuel pipe entering the first named tube, a pair of vertically disposed spaced baffle walls in the body, inclined baffle walls rising from the top of the vertical baffle walls and extending to the inner surface of the body, there being a plurality of rows of draft openings arranged in the body above the top of the vertical baffle walls, said vertical baffle walls being spaced from the bottom of the body, said inclined baffle walls dividing the draft openings into four sections two of which admit air from opposite sides of the body underneath the inclined baffle walls and underneath the vertical baffle walls while the other two admit air from opposite sides of the body above the inclined baffle walls to impinge against the draft rising between the vertical baffle walls at a right angle and form a fan shaped flame, and a baffle disposed between and connecting said vertical baffle walls for spreading flame outwardly toward the ends of the vertical baffle walls.

2,154,568
PAWL OPERATING MECHANISM
Garred T. Harris, Charleston, W. Va.
Application July 30, 1937, Serial No. 156,590
8 Claims. (Cl. 197—65)

5. In a typewriting machine including a shiftable carriage having a rotatable platen mounted thereon, pawl and ratchet mechanism for intermittently rotating the platen to effect line spacing, and means including an operator operated lever for driving the pawl and subsequently laterally shifting the carriage, the combination with said pawl and lever of motion modifying means interposed therebetween, said motion modifying means including a cam having a control contour of predetermined design and means for communicating the motion of the lever modified in accordance with the cam contour to the pawl whereby to rotate the platen without overrun, said motion modifying means also including means for subsequently shifting the carriage at full speed.

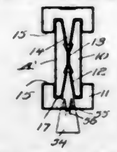


2,154,569
VEHICLE WHEEL SUSPENSION
Harold A. Hicks, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1934, Serial No. 734,735
3 Claims. (Cl. 280—96.2)



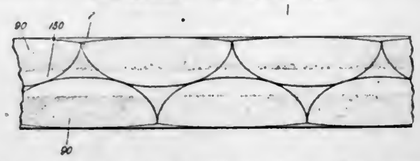
3. In a suspension for a steering ground wheel of a motor vehicle, wheel supporting means, wheel displacement guiding means, a rotatable eccentric adjusting element adapted to act on one of said means for adjusting the normal position of said wheel, and a manually operable element disposed generally transversely with respect to the axis of rotation of the eccentric and operably connected therewith for imparting adjusting rotation thereof.

2,154,570
BUILDING CONSTRUCTION
Henry W. Holmstrom, Laurium, Mich.
Application February 23, 1938, Serial No. 192,152
10 Claims. (Cl. 189—34)



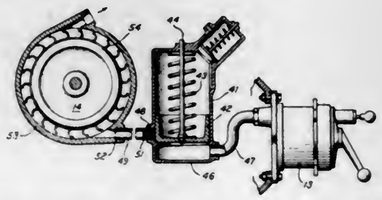
1. In construction of the kind described, a pair of preformed hollow sheet metal web units having reversely beveled portions and countersunk intermediate outwardly arched portions therebetween, a pair of preformed hollow sheet metal flange units, and countersunk locking ribs formed on said flange units and engageable between the reversely beveled portions of the web units for locking action with the intermediate arched portions of said web units.

2,154,571
SHOE STIFFENER
Willard Howard, Waban, Mass., assignor to The Celastic Corporation, Arlington, N. J., a corporation of Delaware
Application January 25, 1937, Serial No. 122,155
2 Claims. (Cl. 12—146)



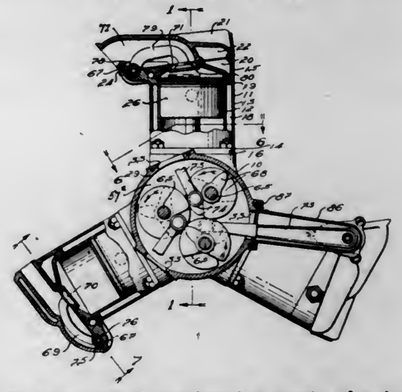
1. The method of making a molded counter stiffener which comprises impregnating a selected portion of a piece of porous flexible sheet material with a solution of a thermoplastic stiffening substance by immersing said portion in the solution while maintaining the sheet material in an inclined position with respect to the surface of the solution, impregnating an adjacent portion of the sheet material with a resilient substance, drying the material, and then molding the thermoplastic blank into a counter stiffener by heat and pressure.

2,154,572
MOTOR CONTROL MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 19, 1936, Serial No. 111,717
2 Claims. (Cl. 60—41)



1. The combination in a system for moving a part to be moved comprising a pressure fluid receiving housing, a rotor within said housing, turbine vanes on the said rotor, a nozzle adapted to direct pressure fluid against said vanes, a breech mechanism, an expansible chamber adjacent said breech mechanism, means for introducing ignited fuel pellets into said expansible chamber for completion of the burning thereof in said chamber and a resultant development of fluid pressure therein, and means responsive to the development of said fluid pressure to initially delay and thereafter permit admission of the pressure fluid into said turbine housing by way of said nozzle, said last named means including a conduit connecting said expansible chamber with said nozzle and a piston in said expansible chamber controlling the admission of pressure fluid to said conduit, and a baffle within said conduit to prevent passage thereinto of the fuel pellets which are burning in said expansible chamber, and means cooperating with said piston to prevent the development of excessive pressure in said expansible chamber.

2,154,573
ENGINE VALVE OPERATING MECHANISM
Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 19, 1934, Serial No. 726,488
7 Claims. (Cl. 123—90)



1. In an internal combustion engine having a cylinder, a head removably secured to said cylinder and provided with a valve port therein, a poppet valve in said head movable to open and close said port, a valve operating shaft, said cylinder and head having companion recesses journalling said shaft therebetween, means fixed to said shaft and connected to said valve for positively reciprocating said valve upon oscillation of said shaft, and means for oscillating said shaft.

2,154,574
GROUND GLASS JOINT
Harold Kaye Martin, Beaver Dams, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 24, 1938, Serial No. 209,853
7 Claims. (Cl. 215—47)

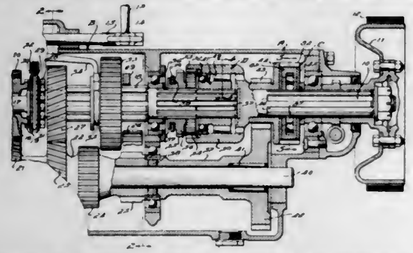


1. A joint between glass members, comprising coacting matched ground areas, at least one of said areas being acid etched.

2,154,575
DRIVING MECHANISM
Edwin R. Maurer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1934, Serial No. 707,092
24 Claims. (Cl. 74—336)

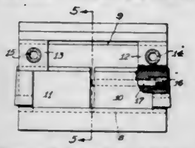
1. In a driving mechanism for a motor vehicle, means including a transmission adapted to drive the vehicle at different speed ratios, means driven by said driving means, said transmission having a countershaft, auxiliary driving means for driving said driven means from said countershaft, said auxiliary driving means including a speed responsive clutch, an overrunning clutch between said driving means and said driven means, and manually controlled means including engageable clutch members respectively drivingly connected to said driving and driven means for simultane-

ously rendering said overrunning clutch and said speed responsive clutch ineffective, said manually



controlled means being adapted to establish a drive between said driving and driven means.

2,154,576
KEYWAY CUTTING TOOL
Henry Earl Morton, Muskegon Heights, Mich.
Application February 24, 1938, Serial No. 192,336
8 Claims. (Cl. 90—25)



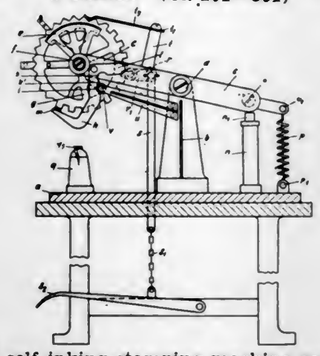
1. A tool holder adapted to be mounted in a reciprocable element, said holder comprising a head having a slot opening through side walls thereof, cutting instrumentalities mounted in said slot with their cutting edges projecting laterally from said head, individual means for clamping said cutting instrumentalities against movement, and adjusting means carried by one of said cutting instrumentalities and adapted to be actuated to exert a force tending to move said instrumentalities in opposite directions, whereby upon release of one clamping means the cutting instrumentality released is moved by actuation of said adjusting means.

2,154,577
KEYBOARD FOR A SHORTHAND OR STENOGRAPHIC TYPEWRITING MACHINE
Marius den Outer, Rijswijk, Netherlands, assignor to Naamlooze Vennootschap Velotype Systeem den Outer, Rotterdam, Netherlands, a corporation of the Netherlands
Application January 13, 1938, Serial No. 184,868
In the Netherlands January 27, 1937
3 Claims. (Cl. 197—100)



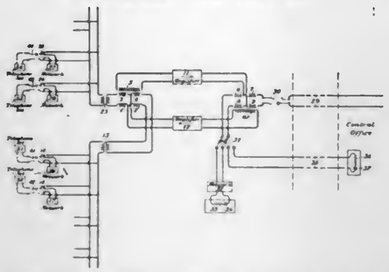
1. In a keyboard for a shorthand or stenographic typewriting machine, a group of at least five keys for vowels situated in the central part thereof, said central group bordering at the left hand side on a lateral group of keys for initial consonants arranged in at most three vertical and in two horizontal rows, and at the right hand side on a second lateral group of keys for final consonants arranged in the same way, an additional horizontal row of four keys being provided in front of the central group for the vowels, said additional group comprising exclusively keys for liquid consonants.

2,154,578
SELF-INKING STAMPING MACHINE FOR LINEN OR THE LIKE
Hans Peter Pallesen, Hamburg, Germany
Application September 14, 1936, Serial No. 100,752
2 Claims. (Cl. 101—301)



1. A self-inking stamping machine comprising in combination a printing anvil, a stamping head movable toward and from the anvil, an abutment fixed relative to the anvil, a bell crank lever pivoted relative to the head and movable bodily therewith, an inking pad positioned laterally of the lower end of the bell crank lever, said bell crank lever being provided with spaced notches and a projection therebetween, the lowermost of said notches being normally engageable with the abutment to normally maintain the inking pad spaced slightly from the stamping head while the projection during downward movement of the head coacts with the abutment to temporarily press the inking pad against the head while continued downward movement causes the second notch to engage the abutment and effect swinging of the bell crank lever to move the inking pad to a position remote from the stamping head.

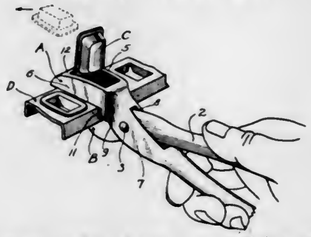
2,154,579
TELEPHONE CONFERENCE CIRCUIT
John Angell Parrott, Roslyn, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 20, 1937, Serial No. 175,705
10 Claims. (Cl. 179—42)



1. The combination of two groups of parallel-connected telephone sets, first and second three-

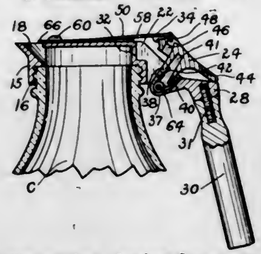
winding transformers, two of the windings of the first transformer interconnecting the two groups of sets, a one-way amplifier connecting the third winding of the transformer to the midpoints of two of the windings of the second transformer, a second oppositely directed one-way amplifier connecting the third winding of the second transformer to the midpoints of said two windings of the first transformer, a trunk circuit connected to said two windings of the second transformer, and a network connected to said two windings of said second transformer to balance the trunk circuit.

2,154,580
PAINT REFILL EJECTOR
Jay C. Perrin, Los Angeles, and Earl Elmer Disbrow, Alhambra, Calif.; said Disbrow assignor to said Perrin
Application December 12, 1936, Serial No. 115,647
4 Claims. (Cl. 81—5.1)



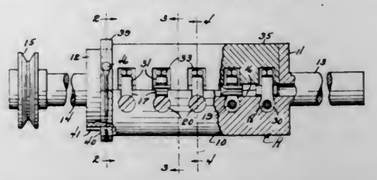
1. A paint refill ejector comprising relatively movable members having handles, spaced jaw members on one handle and arranged to be engaged with the upper side of a paint receptacle supporting tray on opposite sides of the paint receptacles which are to be ejected from said tray, an ejector jaw on the other handle and arranged to engage the under sides of said receptacles and to eject the same between spaced jaw members upon appropriate movement of said handles, and a cross member joining said spaced jaw members at the outer ends thereof and having an inwardly extending portion lying above the plane of the tray engaging faces of the jaws for contacting the paint receptacle when the latter is ejected between said jaws.

2,154,581
CLOSURE ATTACHMENT FOR CONTAINERS
Ralph H. Pershall, Bremerton, Wash., assignor to Sanicut Mfg. Co., Port Orchard, Wash., a corporation of Washington
Application June 2, 1937, Serial No. 146,091
6 Claims. (Cl. 215—78)



4. In a dispensing device for a container having an open neck, the combination with a base secured on the neck, a spout on said base, an air vent in said base, a closure for said spout adapted for sliding movement across said base and in alignment with the spout, said base being closed adjacent to and rearwardly of the spout for protecting said slidable closure from the contents being dispensed, means for guiding the closure in its sliding movement, a spring-pressed operating lever attached to the closure, and means associated with the lever for normally closing said air vent.

2,154,582
SPLIT STRAIGHTENING ARBOR
Charles E. Pierce, Syracuse, N. Y.
Application February 21, 1938, Serial No. 191,817
5 Claims. (Cl. 153—37)

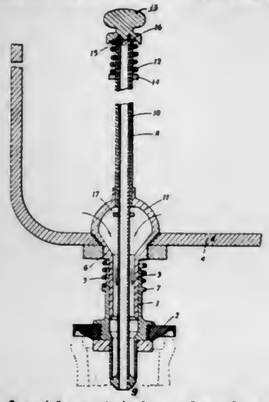


1. A wire straightening arbor comprising a semi-cylindrical body having complete cylindrical end portions, tubular shafts extending from the opposite ends of said body, one of said shafts having driving means thereon, said body having a longitudinal channel extending axially thereof and communicating with the bores of said tubular shafts, and transverse passageways intersecting said longitudinal channel, the respective transverse passageways opening throughout the length thereof into transverse bores therebeneath, said transverse bores and communicating passageways being opened at their opposite ends to the outside of the body, screw elements fitted rotatably in said transverse bores, means for holding said screw elements against endwise movement during rotation thereof, die holders mounted on said screw elements whereby to be moved endwise of said elements when they are rotated, dies detachably mounted on said die holders, and a complemental semi-cylindrical body member hingedly attached along one longitudinal edge portion to the corresponding portion of the first mentioned body member, said complemental body member having a longitudinal channel and transverse intersecting passages corresponding to the longitudinal channel and transverse passages of said first mentioned body member for the accommodation and adjustment of the respective die holders with the dies thereon.

2,154,583
VALVE FOR CONTROLLING THE FLOW OF LIQUIDS TO BOTTLES AND OTHER RECEPTACLES
Frederick Rodgers, London, England, assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation of Delaware
Application April 28, 1937, Serial No. 139,626
In Great Britain April 28, 1936
11 Claims. (Cl. 226—124)

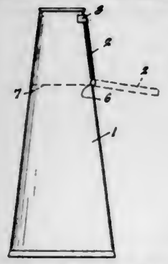
1. A valve for controlling the flow of liquids to bottles and other receptacles from a bulk supply tank, comprising a liquid supply tube adapted to be secured to said tank, a sleeve biased for movement in one direction slidably mounted upon said tube, a sealing member for the receptacle mouth, said member being carried by said sleeve, a vent tube biased for limited movement in the opposite direction to said sleeve, said vent tube being disposed axially within said liquid supply tube and having the upper end thereof extending

above the level of the liquid in said bulk supply tank, a valve seat carried by the vent tube for co-operation with the lower end of the sleeve, and means disposed above the level of the liquid in said bulk supply tank and co-operating with the



upper end of said vent tube, whereby said upper end is opened upon movement of a receptacle into filling relation with the valve and closed upon movement of said receptacle away from said valve.

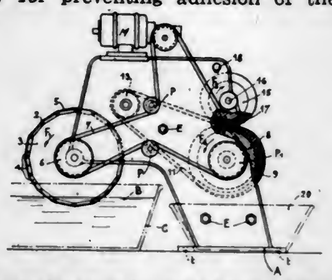
2,154,584
MILK CONTAINER
Mariano Rossi, Cleveland, Ohio
Application October 25, 1937, Serial No. 170,883
6 Claims. (Cl. 229—7)



5. As a new article of manufacture, a milk container of paper or like material, a spout structure carried thereby and made of paper or like material and comprising a tubular spout member sufficiently flexible that normally it lies pressed flat against the outer wall of said receptacle, connecting means between one end of the tubular spout structure and the receptacle establishing communication with the interior of the receptacle, and securing means for holding the spout member flat against the outer wall of the receptacle.

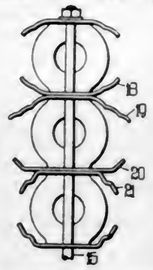
2,154,585
MACHINE FOR THE TREATMENT OF PHOTOGRAPHIC PRINTS
Jacques Samandji, Paris, France
Application April 18, 1938, Serial No. 202,794
In Luxemburg May 8, 1937
6 Claims. (Cl. 95—89)

1. A machine of the type described, for the treatment of photographic prints, which comprises, in combination, a frame, two superposed cylinders journalled in said frame having at least their peripheries made of a spongy matter, said cylinders being pressed against each other along a common generatrix, at least one of said cylinders being provided with projections on its periphery for preventing adhesion of the prints



thereon, and means for sprinkling water over the top of the upper cylinder, at least one of said cylinders being adapted to be rotated about its axis for driving the prints between said cylinders.

2,154,586
SHOCK ABSORBING DEVICE
Nathan Solly Stern, Leicester, England
Application August 29, 1938, Serial No. 227,415
In Great Britain July 31, 1937
3 Claims. (Cl. 267—63)

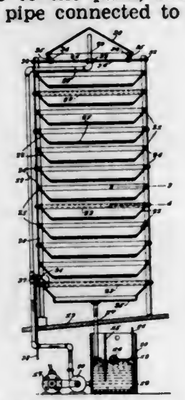


1. A shock absorbing device comprising a plurality of rubber blocks arranged in superposed relation, a rigid plate disposed between the adjacent sides of each pair of blocks and surface bonded thereto, each of said blocks being perforated so as to leave a free open space intermediate the plates on each block, and a bowed member fastened to the block at one end of the assembly and having projecting side portions adapted to contact with progressively increasing areas of the blocks with increase of stress thereon.

2,154,587
ALL METAL AUTOMATIC COOLING TOWER
William J. Stolzer, Little Rock, Ark.
Application January 22, 1938, Serial No. 186,457
1 Claim. (Cl. 261—113)

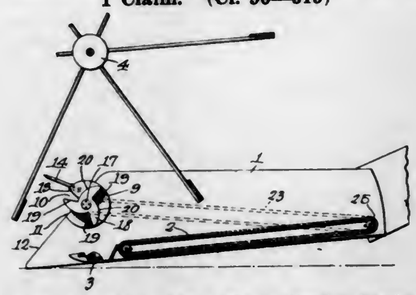
A cooling tower including metal uprights, bolts connecting the uprights at intervals, said bolts being disposed to form superposed rectangular hangers for pans, spreader pipes on certain of the bolts butted at the ends against the uprights, pans having rolled rims engaged over said bolts to suspend the pans in a stack spaced apart from each other, said pans having reticulate bottoms to permit the contents to escape and be aerated, a collection pan carried by the lowermost hanger beneath the reticulate bottomed pans, an outlet pipe for the collection pan, an inlet pipe directed at the top to discharge its contents upwardly above the uppermost pan and in the axis of the tower, a spray cap connected to the tower at the top thereof for deflecting water downward from

the outlet pipe to the pans, and a valve controlled branch pipe connected to the inlet pipes



at the top of the lowermost pan adapted to direct the liquid to be cooled in freezing weather into the lowermost pan.

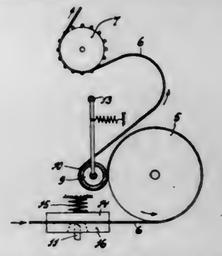
2,154,588
DIVIDER FOR HARVESTERS AND THE LIKE
George A. Stopher, Mount Pulaski, Ill.
Application May 16, 1938, Serial No. 208,307
1 Claim. (Cl. 56—315)



In a harvester or the like a divider having an upwardly and rearwardly inclined forward edge constituting a lifter for fallen grain or the like, a member secured to the inner side of the divider and having a cutting edge inclined upwardly and forwardly from said lifting edge and constituting an abutment for matted material sliding upwardly along the lifting edge of the divider, a cutter mounted for rotation at one side of the member and having spaced cutting edges for successively moving upwardly past the lifting edge and across the cutting edge of said member, thereby to shear through the material in the path of the abutment edge, driving mechanism at the outer side of the divider for actuating the rotary cutter and holding it in operative relation to the member, and a forwardly and upwardly extending deflecting element extending from said member and beyond the cutting edge thereof said element overhanging a portion of the lifting edge of the divider.

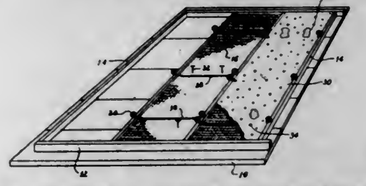
2,154,589
DEVICE FOR MECHANICAL RECORDING
Roelof Vermeulen and Cornelis van Overeem, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application January 9, 1936, Serial No. 58,435
In Germany January 25, 1935
1 Claim. (Cl. 274—11)

A device for mechanically recording sound on a film comprising means for moving the film at a substantially constant speed comprising a driving drum having a smooth cylindrical surface, said film being in contact with a portion of said surface, recording means for producing in said film before it reaches said drum a sound track having width variations which are a proportional enlargement of the depth variations, said recording means comprising a cutting tool having a



V-shaped cutting edge, a stationary member provided with an aperture for the passage of said tool, and means including a movable pressing member to press the film against said stationary member, and means to prevent slippage of said film upon said surface comprising a roller pressing the film against the surface at the point at which the film leaves the surface.

2,154,590
BUILDING STRUCTURE
Ralph C. Vokes, Detroit, Mich.
Application August 24, 1936, Serial No. 97,521
18 Claims. (Cl. 72—1)

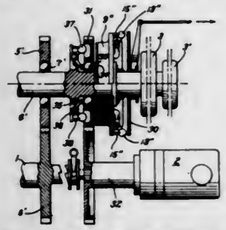


1. In a building structure, a pair of panels of hardened plastic material assembled in edgewise abutting relationship, reinforcing elements embedded in both of said panels having parts thereof protruding through the faces of said panels adjacent the abutting edges thereof, said exposed parts of said reinforcing elements overlying the abutting edges of said panel and bent each upon itself to form a hook-shaped formation, and a rod extending through said hook-shaped formations in spaced relation to the abutting edges of said panels.

2,154,591
DRIVING MECHANISM
Charles Raymond Waseige, Rueil-Malmaison, France, assignor to Societe Anonyme Air Equipment, Bellancourt, Seine, France, a society of France
Original application March 18, 1936, Serial No. 69,558. Divided and this application May 4, 1938, Serial No. 206,063. In France March 29, 1935
3 Claims. (Cl. 60—97)

1. The combination with a pair of internal combustion engines, of a work performing unit associated therewith, a two-way overrunning clutch interposed between said engines and said work performing unit, whereby torque may be transmitted from one of said engines to said work

performing unit during one stage of operation, and transmitted from said unit back to said last-named engine during a different stage of operation, and speed-responsive means for moving said

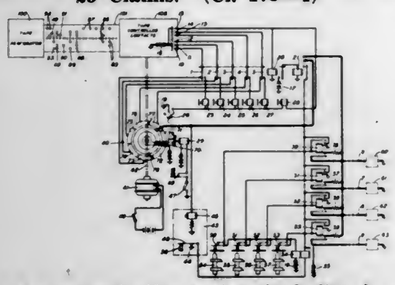


clutch to the overrunning position to prevent the occurrence of said condition of torque transmission back to said last-named engine so long as the other engine operates at or above a predetermined speed.

2,154,592
TELETYPEWRITER AUTOMATIC SWITCHING SYSTEM

Edward Fisk Watson, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 5, 1935, Serial No. 43,790
23 Claims. (Cl. 178—4)



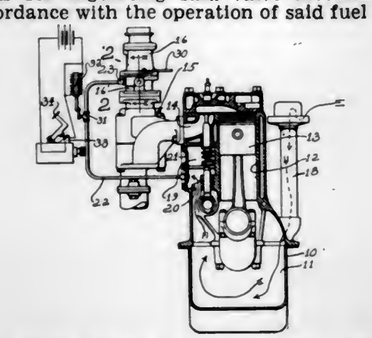
1. A communication system including in combination a first teletypewriter station having a signal sending device, a plurality of other teletypewriter stations each of which has a communication channel leading to the first station, said communication channels being normally disconnected from the signal sending device at the first station, and switching apparatus at the first station including a printer type of mechanism having a plurality of pull bars for automatically effecting the connection of any of the communication channels to the signal sending device in any combination that may be desired for enabling a selective plurality of the stations to simultaneously receive a message sent by the signal sending device.

2,154,593
CRANKCASE VENTILATING SYSTEM

Gilbert Way, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application November 3, 1937, Serial No. 172,515
3 Claims. (Cl. 123—119)

1. In an internal combustion engine including a crank case having ventilating air inlet and outlet openings and having fuel induction and engine starting systems; a control for said fuel induction system, a crank case ventilating system including means communicating with said outlet opening and with said fuel induction system at a location in the latter of subatmospheric pressure for inducing the flow of a current of air through said crank case and for withdrawing diluents therefrom, variable valve mechanism in said means for controlling the quantity of air and diluents withdrawn from said crank case, apparatus for regulating said valve mechanism in accordance with the operation of said fuel induc-

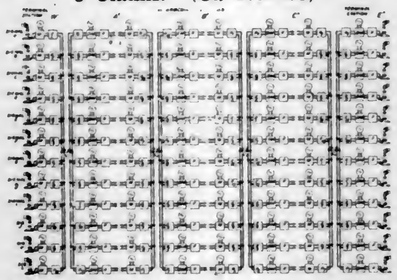


tion system control, and mechanism responsive to actuation of said engine starting system for discontinuing the flow of air and fuel vapor through said means when said starting system is operative.

2,154,594
MULTIPLEX CARRIER WAVE TRANSMISSION

Myron Alexander Weaver, Rye, N. Y., assignor to American Telephone & Telegraph Company, a corporation of New York

Application September 9, 1937, Serial No. 163,117
5 Claims. (Cl. 179—78)



1. A multiplex signaling system comprising two terminal stations, a transmission line interconnecting them and means for establishing a multiplicity of carrier wave channels for the transmission of signals from one station to the other, means at said one station for applying signals each to a respective one of said channels and means at the other of said stations for selectively receiving said signals, said system being subject to interference which has a net disturbing effect on signal transmission that is non-uniform over the frequency range occupied by said channels so that the ratio of signal level to the effective disturbance level tends to vary from channel to channel, and means for substantially equalizing the said ratio for all of the received signals comprising means at each of several points between said terminal stations for shifting each of said signals to a successively different channel, each of said channels successively carrying several different signals.

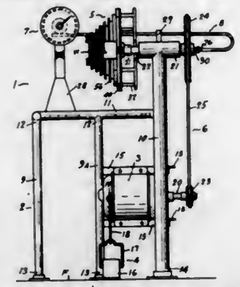
2,154,595
MEANS FOR WINDING ELECTRIC MOTOR COILS

William Weirich, Secane, Pa.

Application May 15, 1936, Serial No. 79,966
16 Claims. (Cl. 140—92.2)

1. Apparatus for winding coils of varying length

consisting of the combination of a base member, a pair of winding forms detachably attached to said base member, cooperating means carried by each of said forms and said base member for positioning each of said forms at any one of a possible number of points on said base member,

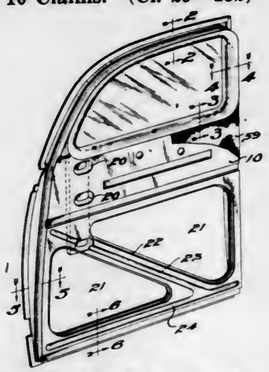


and a second cooperating means carried by each of said forms and said base member for permitting said forms to be moved relatively to each other within certain limits upon said member when fixed upon a given point on said base member.

2,154,596
METHOD OF FORMING VEHICLE DOORS AND MOLDING THEREFOR

Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware

Application March 2, 1936, Serial No. 66,542
10 Claims. (Cl. 29—152)



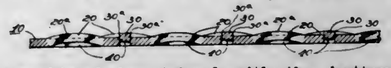
1. In the method of forming a vehicle door panel including a garnish molding, which consists in preforming a sheet of metal to form a door panel having a window opening therein, and a garnish molding around said window opening, and separating said garnish molding from said sheet.

2,154,597
FLOOR TREAD

Harold T. Barrett, Chicago, Ill., assignor to Harrington & King Perforating Company, Chicago, Ill., a corporation of Illinois

Application January 23, 1937, Serial No. 122,023
2 Claims. (Cl. 94—5)

1. A floor tread composed of a metal sheet formed with elongated areas upraised from its upper surface, said areas being sheared from said surface along two opposite sides of each area to form sharp edges serving as friction elements; each area being upraised by less than the thickness of the sheet, and the sheet having a recess in its under surface directly opposite said area, the bottom of the recess being substantially parallel to the upper surface of the upraised area,



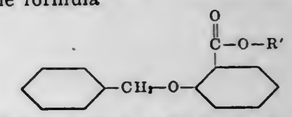
and its sides being joined with the bottom by curved surfaces to avoid shearing of the material within the body of the sheet.

2,154,598
ETHERS OF THE ALKYL ESTERS OF HYDROXY BENZOIC ACIDS

Shailer L. Bass, Midland, Mich., and Edward M. Van Duzee, deceased, late of Midland, Mich., by Clarence H. Macomber, administrator, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 27, 1937, Serial No. 161,286
6 Claims. (Cl. 260—474)

1. A benzyl ether of a salicylate compound having the formula

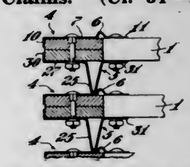


wherein R′ represents an alkyl radical containing at least 3 carbon atoms.

2,154,599
BRACE AND BRACED FRAME

Louis I. Beckwith, Brookline, Mass.

Application June 16, 1937, Serial No. 148,541
3 Claims. (Cl. 34—17)



1. A sheet metal corner brace member comprising a body portion of generally right-triangular contour and having an elongate ridge consisting of an integral portion of the sheet metal of the brace extending between opposite sides of the brace and defining the hypotenuse of the body portion, integral extensions of the metal, at the opposite side of the ridge from the body portion, constituting ears coplanar with said body portion, said body portion and said ears each having an opening for attaching means whereby to secure the brace to the corner portion of a frame or the like, the body portion having integral marginal flanges at those edges which define the right angle, said flanges being perpendicular to the plane of the body portion, the ridge being of substantially V-shape in transverse section with its side walls intersecting at an acute angle.

2,154,600
REVERSIBLE SEAT-BACK BASE

Alfred B. Bell, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application November 1, 1935, Serial No. 47,820
10 Claims. (Cl. 155—96)

4. A reversible car-seat base comprising a sta-

tionary frame having a pair of fixed pivot points arranged in a front-to-rear center line of the base, said frame including a horizontal member with a pair of arcuate slots concentric with said fixed pivot points, a stop element on said horizontal member equidistantly spaced from said fixed pivot points, a seat-supporting frame movable in a horizontal plane above said stationary frame and provided with a pair of spaced pivot points having their line of centers perpendicular



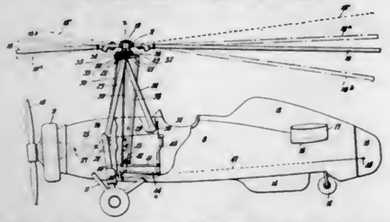
to the line of centers of the fixed pivots when the seat is in either of its positions for use, a pair of links pivotally connected to said stationary frame at said fixed pivot points and to said seat-supporting frame at its pivot points, hold-down elements on said links projecting through said slots and engaging under the edges thereof, and notched extensions on said links adapted to engage said stop element when the seat is in either position for use.

2,154,601

AIRCRAFT, AND SUSTAINING ROTORS THEREFOR

James Allan Jamieson Bennett, Genista, Newton Mearns, Scotland, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware

Application May 14, 1935, Serial No. 21,454
In Great Britain May 16, 1934
37 Claims. (Cl. 244—18)



1. In an aircraft sustaining rotor, an upright rotatable hub, an elongated blade or wing extending approximately radially therefrom, and mechanism mounting the blade on the hub comprising a substantially horizontal pivot, a substantially vertical pivot, and a pivot inclined at an oblique angle to the longitudinal axis of the blade.

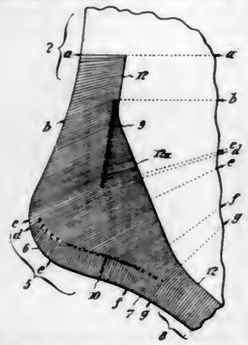
2,154,602

METHOD OF PRODUCING FULL-FASHIONED STOCKINGS

Emil J. Berger, Hatfield, Pa., assignor to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania

Application July 30, 1937, Serial No. 156,484
4 Claims. (Cl. 66—89)

1. The method of producing a full fashioned stocking blank in one operation on a knitting machine having a series of needles, a reciprocating yarn carrier and a pair of laterally shiftable loop transferring point combs, which comprises knitting the leg as a narrowed web down to the ankle; thereupon forming laterally-extending heel projections at opposite edges of the blank by periodically increasing the throw of the yarn carrier and at the same time outwardly transferring groups of end loops at opposite sides of the blank from the needles on which they were formed to adjacent needles; thereupon shaping the bottoms of the heel projections by decreasing the traverse of the yarn carrier and concurrently transferring end groups of the loops inward



of opposite side edges of the blank, first at relatively infrequent intervals for a time, and then at more frequent intervals for a time; and thereafter knitting the stocking foot in direct continuation.

2,154,603

PROCESS FOR PRODUCING COLLOIDAL METAL HYDROXIDES

Rudolph S. Bley, Elizabethton, Tenn.

No Drawing. Application August 15, 1935, Serial No. 36,438
7 Claims. (Cl. 23—143)

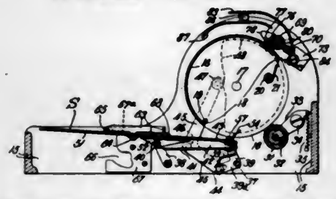
1. The process of producing a colloidal metal hydroxide free from contaminating electrolytes which comprises forming an intimate mixture of an anhydrous, volatilizable diluent and a metal alkyl, causing water to react with said mixture with the formation of a metal hydroxide in colloidal form and finally removing said diluent from said hydroxide by evaporation, said diluent being incapable of chemically reacting with said metal hydroxide or water.

2,154,604

ROTARY DUPLICATOR

Charles H. Bradt, Groton, N. Y., assignor to L C Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application May 7, 1937, Serial No. 141,264
17 Claims. (Cl. 101—132)



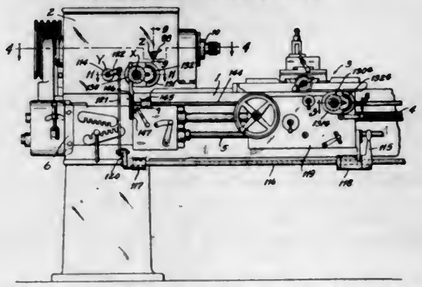
1. In a rotary duplicator, a rotary duplicating cylinder having an adhesive duplicating surface and supported for rotation about a fixed axis, means for rotating said cylinder, means for shifting a pack of sheets momentarily into face contact adjacent the leading end of the pack with said surface of said cylinder while advancing the pack edgewise in the direction of rotation of the cylinder at a speed equal to the speed of the duplicating surface during the contact interval and greater thereafter and for subsequently reversing the advance movement of the pack, means for clamping and releasing the pack between the times of contact of the pack with the duplicating surface and reversal of advance movement of the pack to thereby first buckle and then release the sheet of the pack pasted to the duplicating surface by the face contacting of the pack with said surface, and means for impressing to the duplicating surface the trailing portion of the sheet pasted thereto.

2,154,605

FLUID OPERATED CHANGE SPEED MECHANISM

Lionel A. Carter, Webster Groves, Mo., assignor to Lehmann Machine Company, St. Louis, Mo., a corporation of Missouri

Application April 23, 1934, Serial No. 721,974
21 Claims. (Cl. 82—29)



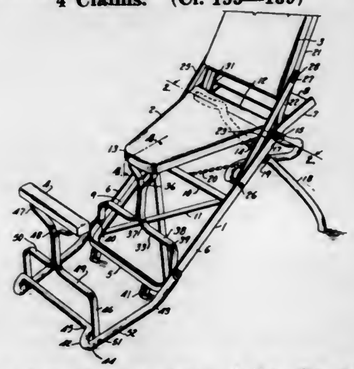
1. A change speed mechanism having a primary shaft and a countershaft, two clutches on the primary shaft and a plurality of clutches on the countershaft, fluid pressure control means for said clutches, said means including a single control valve for selectively actuating said clutches, a pipe leading from said control valve to each of said friction clutches, said control valve being adapted to supply pressure to one of the primary shaft clutches while relieving the pressure on the other primary shaft clutch, a second valve in the pipes leading from said control valve to said primary shaft clutches for rendering the latter inoperative by said control valve, and a fluid operated brake for said mechanism adapted to be applied by said second valve when the primary shaft clutches are rendered inoperative thereby.

2,154,606

CHAIR

George W. Covington, Kansas City, Kans.

Application March 6, 1937, Serial No. 129,448
4 Claims. (Cl. 155—139)



1. In a collapsible chair of the character described, an inclined frame having its front end resting on a floor, members pivotally mounted on the frame and supporting the rear end of the frame, means limiting the spread of the pivoted members from the frame, a seat member having its rear end pivoted to the upper end of the frame, a seat support pivoted to the frame and detachably supporting the front end of the seat; said pivotal frame support comprising crossed leg members connected substantially at their midportions.

2,154,607

METHOD OF STABILIZING MANGANESE ALLOYS

Ernest F. Doom, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application June 29, 1937, Serial No. 150,939
3 Claims. (Cl. 148—6)

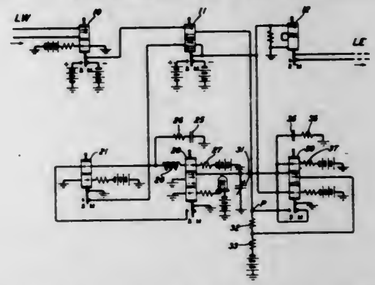
1. Method of making stable powdered manganese alloy which comprises pulverizing said alloy in admixture with a relatively small proportion of alkaline material to form a superficial oxydic coating on said alloy.

2,154,608

REGENERATIVE TELEGRAPH REPEATER

Andrew D. Dowd, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 16, 1937, Serial No. 153,908
5 Claims. (Cl. 178—70)



1. A relay circuit for producing nearly instantaneous impulses at definite intervals which comprises capacitance means, biased oscillating relay means and biased impulse relay means having impulse producing contact means, a slow charging circuit for said capacitance means including an operating winding of said oscillating relay means, a quick discharging circuit for said capacitance means including an operating winding of said impulse relay means and contacts on said oscillating relay means.

2,154,609

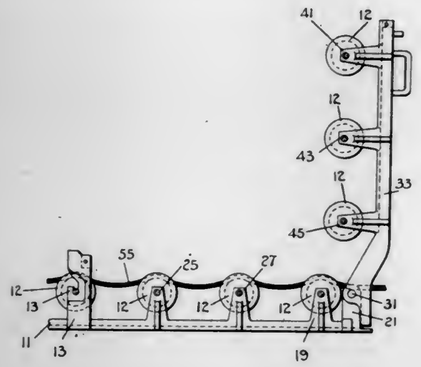
ARTIFICIAL THREAD PRODUCTION

Stuart O. Fiedler, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 30, 1936, Serial No. 108,354
2 Claims. (Cl. 18—8)

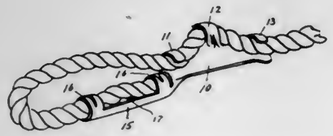
1. In a coagulating bath tensioning guide for imparting a high, uniform tension to filament bundles having a denier of at least 2000, a base support, a plurality of guide rolls rotatably mounted in said base support, a second support, a plurality of guide rolls rotatably mounted in said second support, means for pivotally connecting said supports to each other in such a manner that the guide rolls of the supports may be re-

movably interpositioned between each other, and means for locking said supports relative to each



other with their respective guide rolls interpositioned.

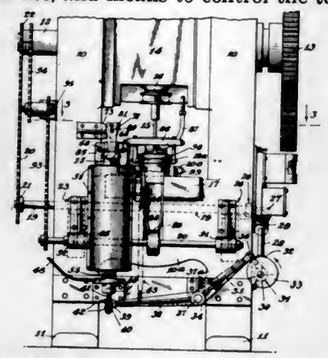
2,154,610
ROPE FASTENER
Alexander L. Fleury, Milwaukee, Wis.
Application January 26, 1937, Serial No. 122,469
2 Claims. (Cl. 24—129)



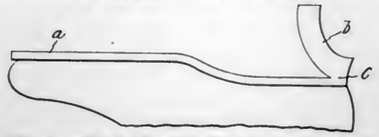
2. A device of the character described comprising an elongated body, arced contact members projecting upward at right angles to said body at each end and near the center, said end members having their arced contours opposite from said center member, said center member being positioned outward from the parallel path of said end members and inward from the outer edge of said body, a U-shaped shank member integrally connected to one end of said body, the shank being offset from the longitudinal plane of the body, clamping members arranged in opposite relation to one another on said shank member, and said shank member having a projecting ledge formed in the bight portion of said shank member between said clamping members.

2,154,611
EXTRUSION PRESS
John H. Friden, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application September 13, 1935, Serial No. 40,385
10 Claims. (Cl. 207—16)

1. An extrusion press comprising a frame, a die member mounted in said frame, guides forming a passageway for feeding individual flat disc-like slugs to said die member, means to pre-heat said slugs before entering said passageway, means associated with said guides to control the temperature of said pre-heated slugs within predetermined limits, and means to control the temperature of said die member in accordance with the temperature of said slugs.



2,154,612
RUBBER SOLE AND HEEL COMBINATION AND SHOE CONTAINING THE SAME
Charles Dale Garbutt, Revere, Mass.
Application September 22, 1937, Serial No. 165,133
6 Claims. (Cl. 12—142)



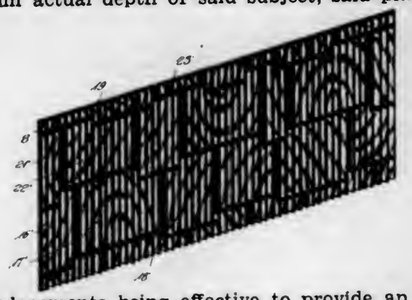
1. The method of applying an outer sole and a heel to a shoe which consists in providing such a sole and heel in permanent resilient connection with one another at their rear portion and disunited at and adjacent to the breast of the heel, applying such sole and heel combination to the bottom of the shoe, displacing the breast end of the heel, fastening the sole to the shoe by a row of fastening means extending from the fore part of the sole to points in rear of the breast line of the heel, replacing the heel against the outer face of the sole, and driving nails through the heel into the shoe.

2,154,613
METHOD FOR PRODUCING ALLOYS
Robert G. Guthrie, Chicago, Ill.
No Drawing. Application August 8, 1936, Serial No. 95,018
9 Claims. (Cl. 75—129)

2. The process of making a ferrous-alloy having potential magnetic properties of a permanent magnet including making a molten mixture of iron and nickel, adding to said mixture strontium peroxide, and adding aluminum to said mixture, said ingredients being in approximately the following proportions: iron 926 pounds, nickel 420 pounds, strontium peroxide 3.3 pounds, aluminum 173 pounds, and ferro-silicon (50% Si) 12 pounds.

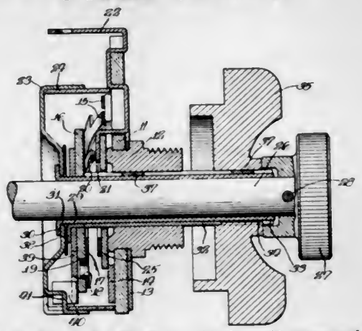
2,154,614
THIRD DIMENSION ORNAMENTATION AND METHOD OF PRODUCING THE SAME
Herman R. Harrigan, Chevy Chase, Md., assignor to District of Columbia Paper Mills, Incorporated, Washington, D. C., a corporation of Virginia
Application August 19, 1937, Serial No. 159,975
13 Claims. (Cl. 41—24)

13. Ornamental sheet material comprising a sheet bearing a two dimensional reproduction of a subject which has all optical objective elements within a limited maximum actual depth, and means for imparting optical perspective to said reproduction consisting of regular planar displacements in said sheet proportional to the maximum actual depth of said subject, said planar



displacements being effective to provide an infinite number of superimposed visual planes comprising points of like phases of displacement from the original plane of said reproduction, optical objective elements of said subject being visually detected individually in the visual plane located proportional to the actual depth of the respective element.

2,154,615
HOLLOW SHAFTED CONTROL UNIT
Willis E. Haselwood, Elkhart, Ind., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application September 29, 1938, Serial No. 232,297
5 Claims. (Cl. 74—10)

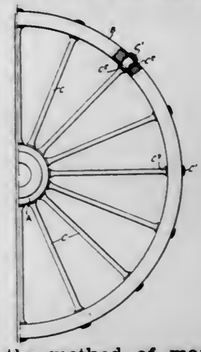


1. A hollow shafted control unit comprising a base, a shaft bearing upon the base, control mechanism upon the base, a hollow shaft supported in said bearing and operatively associated with the control mechanism, said shaft having a longitudinally extending seam, and interfitting notches and lugs formed from the metal upon opposite sides of the seam, at least one of said interfitting lugs and notches being located within said shaft bearing.

2,154,616
GREASE-SETTING AGENT
Torsten Hasselstrom, Savannah, Ga., assignor to G. & A. Laboratories, Savannah, Ga., a corporation of Georgia
No Drawing. Original application March 24, 1937, Serial No. 70,671. Divided and this application August 26, 1937, Serial No. 161,165
2 Claims. (Cl. 87—9)

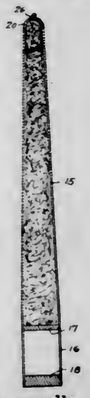
1. As a grease-setting agent, the brownish, insoluble, semi-solid resin obtained by treating a material from the group consisting of pseudopimaric acid and mixtures containing pseudopimaric acid with a sulfonating agent, and removing by hot aqueous extraction the water-soluble sulfonic acid.

2,154,617
METHOD OF MANUFACTURING WHEELS
Joseph L. Hecht, Davenport, Iowa, assignor to French & Hecht, Incorporated, a corporation of Iowa
Application January 21, 1937, Serial No. 121,388
3 Claims. (Cl. 29—159.02)



1. Steps in the method of manufacturing a wheel having hub and rim members at least one of which is formed of material tubular in cross-section, which consist in inserting means for connecting said members together through an aperture in the wall of said tubular member and into engagement with the inner surface of the opposite portion of the wall and in one operation upsetting said means to expand it in the region of the tubular member exteriorly and interiorly thereof in engagement with the apertured portion of the wall and to form supporting means interiorly of the member for maintaining the spaced relation of said opposite wall portions.

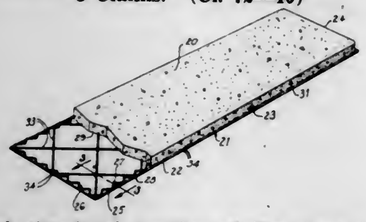
2,154,618
ARTIFICIAL CANDLE
Newell L. Howard, New York, N. Y., assignor to Rex International Corp., New York, N. Y., a corporation of New York
Application October 21, 1937, Serial No. 170,189
3 Claims. (Cl. 67—55)



2. An artificial candle comprising a tapered shell having a cylindrical lower portion, a plug

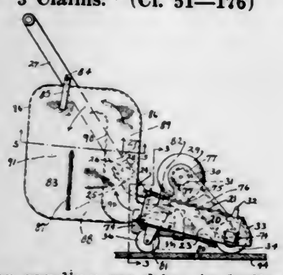
in the base of said shell, a disc fixed in said shell spacedly above said plug, a free fitting cap on the reduced end of said shell, a sleeve depending from said cap, the rim of said sleeve adapted to act as a detent to prevent extraction of the sleeve, said cap and sleeve having a bore expanded at the base and contracted at the apex, and a flocculent non-combustible substance in said shell, a shred of said substance protruding through the bore of said cap.

2,154,619
PRECAST BUILDING SLAB
Dan J. Hurley, Los Angeles, Calif.
Application July 23, 1937, Serial No. 155,260
3 Claims. (Cl. 72—40)



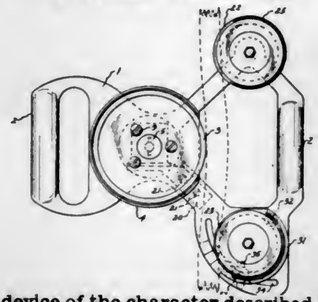
1. A structural member of the character described, comprising a flat slab having a bar extending along the edge thereof and means for connecting said bar to the edge of said slab consisting of a rod bent to sinuous form so as to provide an outer row of peaks which are connected to said bar in such a manner that the sinuous rod will extend from said bar into the edge portion of said slab.

2,154,620
FLOOR SANDING MACHINE
Alfred Iobbi, Philadelphia, Pa.
Application October 4, 1935, Serial No. 43,516
3 Claims. (Cl. 51—176)



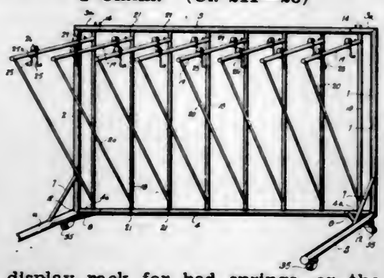
1. A floor sanding machine including in combination, a housing, a motor on said housing, a sanding drum journaled on said housing, a sanding sheet enveloping said drum, means connecting said motor with said drum to revolve the same, a roller bracket, a supporting roller journaled on said bracket, said bracket being fixed to one side of said housing, to the rear of said drum, a second roller bracket, a second supporting roller journaled on said second roller bracket, said second roller bracket having a longitudinal, upper portion, at an angle to the vertical, approximately horizontal, one end of said longitudinal portion being pivoted on a lower portion of said housing, a depending portion to said bracket, below said longitudinal portion, and to which said second roller is journaled, at a point positioned below said pivoted end of said longitudinal portion, and off-set from a vertical line passing through the pivotal connection of said bracket with said housing, adjusting means for adjustably fixing that end of said longitudinal portion opposite to the pivoted end thereof with said housing, whereby said second roller can be adjusted relative to said housing and to the line of contact of said drum, with said floor.

2,154,621
MEASURING INSTRUMENT
Charles R. Jenkins, Parma, Mich.
Application December 6, 1935, Serial No. 53,166
9 Claims. (Cl. 33—134)



1. A device of the character described for measuring the length of flexible elements such as cables, ropes, or the like, comprising a frame, means presenting an endless surface movable past a predetermined point, means, relatively bodily movable with respect to said first named means, for urging the flexible element to be measured, while moving and under tension, into contact with said endless surface to deflect said flexible element a predetermined amount to drive said first named means, means to indicate the relative position to which said urging means should be moved to deflect the flexible element being measured an amount depending on the diameter thereof, and means operated by said first named means for indicating the length of the center line of the flexible element passed by said first named means.

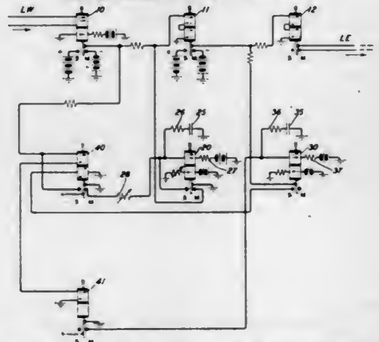
2,154,622
PORTABLE DISPLAY RACK
Walter H. Jones, Bothell, Wash.
Application December 17, 1937, Serial No. 180,370
1 Claim. (Cl. 211—28)



A display rack for bed springs, or the like, comprising a main frame structure having opposite end posts, two horizontal bars fixed at their ends in said posts and spaced apart vertically, base beams fixed rigidly to the lower ends of the posts and extending laterally therefrom in the same direction to support the posts in vertical position, a plurality of brackets mounted in said frame between said bars; and all extending to the same side of the frame toward which the base beams are extended; each bracket comprising a vertical rod pivotally mounted at upper and lower ends, respectively, in said vertically spaced horizontal bars, a horizontal arm extended from near the upper end of the vertical rod, and a

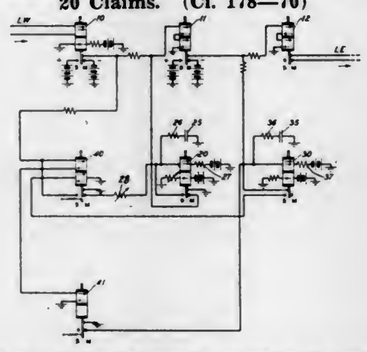
diagonal brace attached at its ends to the outer end portion of the arm and to the lower end portion of said vertical rod, hook mounting rollers mounted for travel along each of said horizontal arms, hooks depending from said rollers for the suspension of bed springs on display, and means for limiting the travel of the rollers along the arms.

2,154,623
REGENERATIVE TELEGRAPH REPEATER
Fullerton S. Kinkead, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 16, 1937, Serial No. 153,878
10 Claims. (Cl. 175—320)



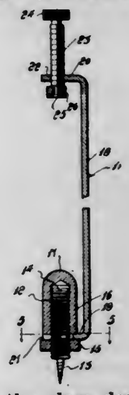
1. A timing circuit comprising relay means having contact means, an operating winding and continuous biasing means, and capacitance means connected to be slowly charged through said winding and to be quickly discharged over said contact means when the charging current is sufficiently reduced for the operating winding to be overcome by said biasing means for operation of said contact means, and said operating winding being energized over said operated contact means to overcome said biasing means and restore said contact means.

2,154,624
REGENERATIVE TELEGRAPH REPEATER
Fullerton S. Kinkead, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 16, 1937, Serial No. 153,879
20 Claims. (Cl. 178—70)



1. A start-stop telegraph repeater for retransmission of successive signal series containing the same number of impulses comprising retransmitting relay means including fast timing means for controlling the frequency of retransmission of impulses, control relay means including slow timing means for stopping the retransmission of impulses near the end of each series, and circuit means controlled by said retransmitting relay means for preventing a premature stopping action by said control relay means by delaying the said stopping action till the last impulse of a series whenever the last two impulses of the series are of opposite characteristics.

2,154,625
APPARATUS FOR REPAIRING AND CORRECTING LEVELS
Henry J. Kleineschay, Fond du Lac, Wis.
Application November 10, 1937, Serial No. 173,919
3 Claims. (Cl. 33—174)



3. In a device of the class described, a screw having a reduced threaded shank at one end adapted to be secured to a suitable support, a socket nut adjustably positioned on the upper end of said screw, a bracket, means cooperating with said socket nut to clamp and support said bracket, a set screw adjustably mounted in the opposite end of said bracket in a plane with said socket nut to cooperate therewith in retaining one end of a spirit level in said device, said socket nut adapted to be adjusted to align the ends of the level.

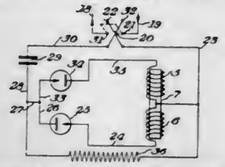
2,154,626
PRODUCTION OF PURE BENZOIC ACID
Wilhelm Koch, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany, a corporation of Germany
No Drawing. Application February 25, 1929, Serial No. 342,680. In Germany March 5, 1928
8 Claims. (Cl. 260—525)

1. The process for the production of pure benzoic acid which comprises acting on crude benzoic acid obtained from phthalic anhydride with a reducing agent and a small amount of water which is sufficient to dissolve any reduced naphthoquinone, phthalic acid and phthalic anhydride present, thereby hydrating the phthalic anhydride, and separating the solution from the benzoic acid.

2,154,627
APPARATUS FOR PRODUCING RECIPROCATORY OR VIBRATORY MOTION
Max Knobel, Arlington, Mass., assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application June 1, 1938, Serial No. 211,169
5 Claims. (Cl. 172—240)

2. A reciprocatory motor comprising two coils, a condenser associated with said coils, an armature adapted to be moved in one direction by the magnetic field produced by one of said coils and moved in the opposite direction by the magnetic field produced by the other of said coils, two oppo-

sitely arranged rectifiers each in series with the condenser and a coil, a source of direct current, a reversing switch connecting said source with the



condenser through one of said coils and rectifiers, and automatic means for reversing said switch connections to discharge said condenser through the other of said coils and rectifiers.

2,154,628

LUBRICATING OIL

Bert H. Lincoln, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

No Drawing. Application November 8, 1937, Serial No. 173,530

6 Claims. (Cl. 87—9)

1. A lubricant comprising in combination a hydrocarbon oil and from .05 to 10 per cent by weight of a dialkyl polysulphide having dissolved therein elemental sulphur.

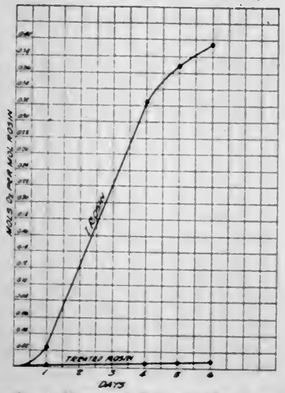
2,154,629

PROCESS FOR THE TREATMENT OF ABIETYL COMPOUNDS AND PRODUCTS PRODUCED THEREBY

Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application June 12, 1936, Serial No. 84,877

19 Claims. (Cl. 260—97)



1. A product formed by treating a "Rosinyl" compound with an active hydrogenation catalyst under conditions of reaction adapted to produce an intra- and inter-molecular rearrangement of hydrogen atoms in the said compound and in the absence of added substances capable of reducing the unsaturation of the "Rosinyl" compound under the conditions of treatment, the said product being characterized by the fact that it has a lesser degree of unsaturation than the "Rosinyl" compound from which it was formed.

2,154,630

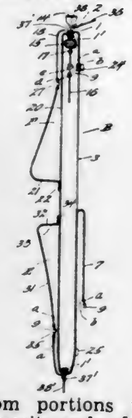
CONVERTIBLE WARDROBE HANDBAG

Herbert B. Marbury and Roy C. Jones, Atlanta, Ga., assignors to Fulton Bag and Cotton Mills, Atlanta, Ga.

Application March 6, 1937, Serial No. 129,481

2 Claims. (Cl. 190—43)

1. A foldable travel bag including parallel flexible side members united at their edges to form a sack, means in connection with one of the side members to afford access to the interior of the sack, a pair of compartments attached to the other side member, said compartments including adjacent bottom portions extending outwardly from said other side member in parallelism from opposite sides of the fold line of said side forming a central portion, front portions integral



with the bottom portions tapering upwardly therefrom to opposite ends of the sack producing in effect a Gladstone configuration, whereby when said sack is folded said bottom portions form a continuation of the central portion of said other side member and constitute therewith an extended base, means in connection with the respective compartments to afford access to their interiors, and means for detachably securing the bag in folded position.

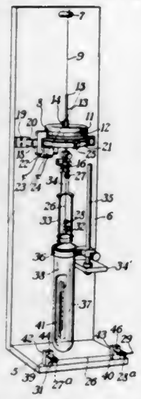
2,154,631

APPARATUS FOR MEASURING TORQUE IN YARN

James G. McNally, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 21, 1937, Serial No. 121,556

4 Claims. (Cl. 73—51)



3. In a measuring device for measuring the potential torque in twisted yarns, standard torsion means comprising a steel wire, a rotatable drum indicator suspended therefrom, a rotatable clamp associated therewith for supporting one end of the yarn to be tested, a fixed clamp for holding the opposite end of said yarn, and a container holding a liquid for releasing the potential torque of said yarn when it is immersed therein whereby said standard means is rotated.

2,154,632

SEAL

Albert J. Meier, Glendale, Mo.

Original application September 8, 1930, Serial No. 480,337. Divided and this application December 24, 1935, Serial No. 56,049

4 Claims. (Cl. 286—7)



1. A device of the kind described comprising, in combination, a rotating part, a stationary part, said rotating part having a fin extending thereabout, said fin having substantially parallel surfaces, a channel carried by the stationary part and extending around the rotating part in spaced embracing relation to said fin, a gasket engaging opposite parallel surfaces of said fin and incompletely filling said channel so as to leave a space in the channel beneath the gasket, and means for applying fluid pressures within said space.

2,154,633

SURFACE ORNAMENTATION

Leo J. Mitchell, Clayton, Mo.

No Drawing. Application December 23, 1936, Serial No. 117,316

3 Claims. (Cl. 91—68)

1. The process of ornamenting surfaces which comprises applying thereto a metallic powder mixed with a suitable bronzing liquid and allowing to harden, applying a coating of clear nitrocellulose lacquer, rubbing a coating of a halogen salt of bismuth on said lacquered surface after hardening thereof, and then applying a protective coating film free from ingredients that would attack said nitro-cellulose film.

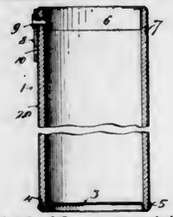
2,154,634

UMBRELLA HOLDER

Harriet J. Mott, Hollis, N. Y.

Application January 2, 1937, Serial No. 118,899

2 Claims. (Cl. 211—63)



1. An umbrella holder comprising a cylindrical body formed of cardboard, a metal cap having an edge spun onto the lower end of said body to close the same, a reinforcing band attached to the upper, open end of the body, a stiff hanger comprising a strip or plate, an eyelet passing through said strip or plate, said reinforcing band and said cylindrical body, and pivotally connecting the hanger to the body, said hanger adapted to be swung into a position to project from the body and to be swung into a non-projecting position in relation to the body.

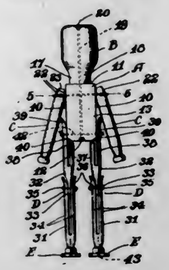
2,154,635

DOLL FIGURE

Emily T. Myers, White Bear Lake, Minn., assignor of one-half to Olga A. Lindquist, North St. Paul, Minn.

Application August 5, 1935, Serial No. 34,702

5 Claims. (Cl. 46—161)



1. A doll comprising a rectangular shaped flat-sided body, the sides of which extend parallel to each other, a head adapted to rest squarely on the flat top of said body, a longitudinally disposed resilient member extending through said body and head to connect the same together, arms having a series of adjustable flat faces on the inner ends thereof to support the arms in different adjusted set positions, an adjustable friction elbow joint in said arms, resilient means extending transversely through said body adapted to connect the socket ends of said arms to the body, legs having adjustable friction knee joints and broad, thin, flat feet, a hip shoulder formed on each of said legs for holding the respective legs in different adjusted positions, and resilient means extending transversely through said body for supporting the hip ends of said legs.

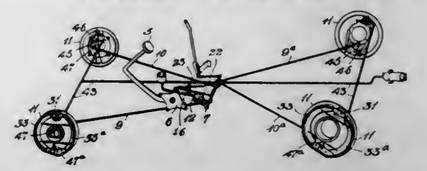
2,154,636

BRAKING SYSTEM

Claude H. Nickell, Newcastle, Ind.

Application August 25, 1937, Serial No. 160,901

15 Claims. (Cl. 188—106)



15. In a braking system, mechanical brake applying means for a wheel of a vehicle, hydraulic brake applying means operatively associated with said mechanical means, and means for operating said hydraulic and mechanical means simultaneously and continuously throughout the braking cycle, said last mentioned means being energized by a common operating element, whereby upon operation of said operating element the hydraulic and mechanical brake applying means will simultaneously and continuously effect braking.

2,154,637

HAIR WAVING DEVICE

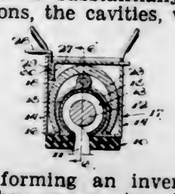
Dennie W. Record, Atlanta, Ga.

Application April 26, 1938, Serial No. 204,429

7 Claims. (Cl. 132—36)

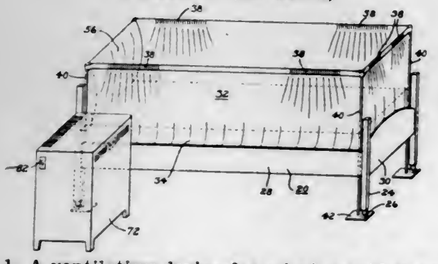
1. A heater to be applied to a lock wound upon

a curler, said heater comprising a pair of opposed hollow jaws, having circular curved inner walls adapted to extend substantially around the curler, the hollow jaws having cavities extending throughout substantially their entire vertical dimensions, the cavities, when the jaws



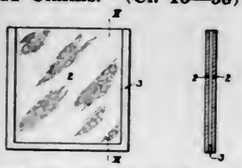
are assembled, forming an inverted generally U-shaped chamber, means to adjustably connect the assembled jaws, a pad containing exothermic material for insertion within the chamber, and means for retaining the jaws in the closed position.

2,154,638
AIR CONDITIONING APPARATUS
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 12, 1935, Serial No. 31,067
Renewed March 10, 1938
9 Claims. (Cl. 98—1)



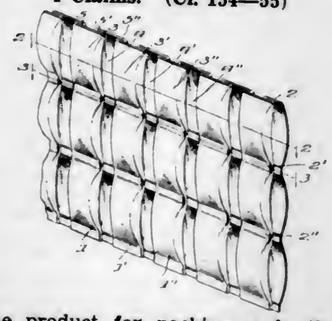
1. A ventilating device for a bed provided with a mattress comprising a wall means extending around the bed upwardly from the mattress to form an air receptacle, said wall means having a flexible porous portion formed as a part thereof, and means for forcing air through said porous portion to provide a diffused discharge of air into the air receptacle.

2,154,639
PROCESS FOR THE MANUFACTURE OF POLYMERIZATION PRODUCTS
Otto Röhm and Walter Bauer, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.
Application December 4, 1935, Serial No. 52,782
In Germany December 6, 1934
11 Claims. (Cl. 18—58)



8. The process of manufacturing glass substitutes which comprises forming a cell of two sheets of material selected from the group consisting of metal and glass have prepared surfaces held in spaced relation by flexible plastic spacers and having the edges of said cell sealed with a flexible material, pouring a liquid polymerizable organic material selected from the group consisting of methyl-α-methacrylate, styrol and mixtures thereof with other polymerizable organic materials into the space between said sheets, heating the organic material to effect polymerization, cooling the polymer while in contact with said prepared surfaces and removing said sheets from the polymerizable material.

2,154,640
PRODUCT FOR PACKING AND SIMILAR PURPOSES
Hippolyte W. Romanoff, New York, N. Y.
Application March 23, 1937, Serial No. 132,477
In France May 26, 1936
4 Claims. (Cl. 154—55)



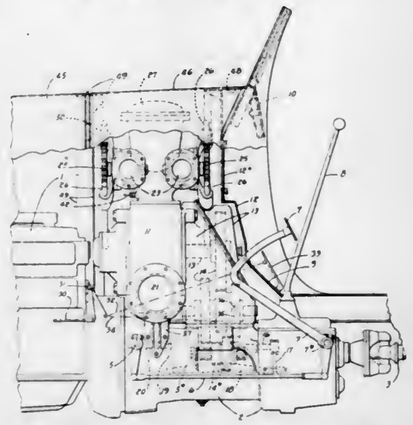
1. The product for packing and other purposes comprising sheet material having a plurality of substantially parallel corrugations, said sheet having a series of box pleats extending substantially normal to the direction of the corrugations, said pleats being formed by the sheet material being creased on opposite sides along a plurality of spaced lines extending in a direction substantially normal to the axes of the undulations, the said creases being arranged in pairs with the creases of each pair being opposite one another and approaching the medial plane of the undulations.

2,154,641
DOORWAY CONSTRUCTION
David J. Seaman, Battle Creek, Mich.
Application September 3, 1936, Serial No. 99,272
Renewed September 9, 1938
3 Claims. (Cl. 20—16)



1. A doorway for pedestrian traffic comprising spaced door jambs, a pair of doors, supported adjacent said jambs for independent operation, adapted to swing in opposite directions around vertical axes, said doors being curvilinear in cross-section and when closed presenting a concavo-convex surface, each of said doors presenting upon opposite sides of the doorway a concavity into which pedestrians are directed by the construction of said doors, such concavity and direction of traffic conforming to the direction in which said doors are opened.

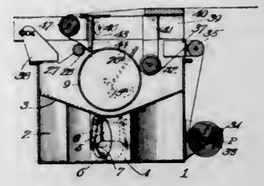
2,154,642
FIRE ENGINE
Carlisle F. Smith, Elmira, N. Y., assignor, by mesne assignments, to American-La France-Foamite Corporation, a corporation of New York
Application November 2, 1935, Serial No. 47,952
Renewed September 13, 1938
2 Claims. (Cl. 169—24)



2. A vehicular fire engine of the motor pumper type comprising a chassis having front and rear wheels, a housing near the front of said chassis enclosing a compartment, a power plant within said compartment for propelling the fire engine through the medium of a power line, a driver's seat arranged substantially midway between the front and rear wheels, a change speed mechanism formed in the power line, a heavy duty water pumping assembly positioned within said compartment and rigidly secured between the power plant and the change speed mechanism including pump gauges also within the compartment while visible from the exterior thereof, a power take off for operatively connecting the pumping assembly to the power line, a clutch between said power plant and said pumping assembly, the pumping assembly being largely positioned directly behind the power plant with a part thereof extending upwardly substantially to the top of said compartment whereby the weight of the power plant and pumping assembly is maintained in the forward part of the fire engine for improved operability and the pumping assembly including the gauges is contained within the compartment with the power plant and is heated by the operating temperature of the power plant.

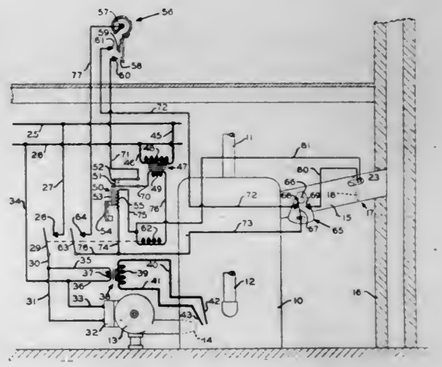
2,154,643
WALLPAPER PASTING MACHINE
John R. Steren, Kansas City, Kans., and William F. Kramer, Alton, Ill.; said Steren assignor to said Kramer
Application September 18, 1936, Serial No. 101,498
8 Claims. (Cl. 91—33)

1. The combination in a wall paper pasting machine, of a paste container, a pasting roll extending into said container, a presser member for holding the paper down on the pasting roll as such paper leaves said roll, a paper guiding element to receive the paper after it has passed the presser member, and a non-yielding paste governing member inserted between the presser member and paper guiding element and in positive wiping contact with the pasted surface of the paper; said paste governing member, paper guiding element and presser member being rela-



tively adjustable to change the angle formed between the planes of the paper approaching and receding from the paste governing member.

2,154,644
SAFETY CONTROL SYSTEM
Charles B. Sweatt, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 28, 1935, Serial No. 13,486
13 Claims. (Cl. 158—28)

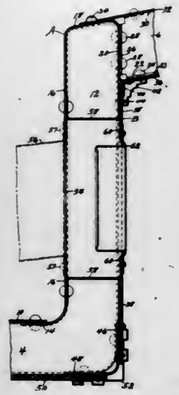


1. In a system of the class described, a heater, firing means for the heater, a draft switch closed upon the occurrence of normal draft conditions in the heater, a combustion responsive switch closed upon the establishment of combustion, a safety switch including a heater, a control switch, circuit connections between the control switch, safety switch, safety switch heater and firing means to cause operation of the firing means and heating of the safety switch heater, and circuit connections between said control switch, safety switch, draft switch, combustion responsive switch and firing means for shunting said safety switch heater to maintain the firing means in operation upon the establishment of combustion and during normal draft conditions.

2,154,645
CAR CONSTRUCTION
John B. D. Thompson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 30, 1936, Serial No. 103,249
14 Claims. (Cl. 108—5.1)

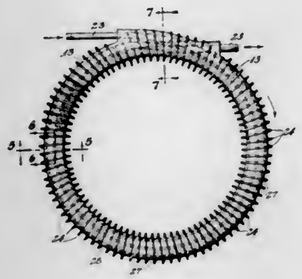
1. A monitor type car having upper and lower carlines, plate means attached to said lower car-

lines and forming a clerestory, said plate means



also forming a part of the exposed portion of the car roof and a support for the upper carline.

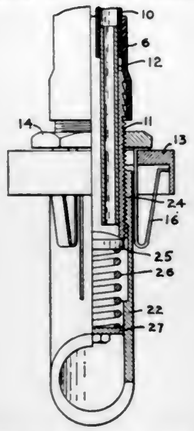
2,154,646
HOT WATER HEATING DEVICE
Albert B. Trencavel, New York, N. Y., assignor, by direct and mesne assignments, to American Hot Water Systems, Inc., a corporation of Delaware
Application February 5, 1937, Serial No. 124,204
6 Claims. (Cl. 122—20)



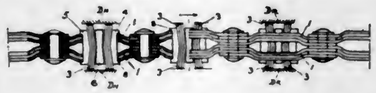
6. A device of the character described comprising an annular housing having embedded within the center thereof a horizontally wound spiral water coil, said housing having projecting therefrom helicoidal fin-like ridges for gathering waste heat in thermal or heat zones, the heat being concentrated along the base of the path of said helicoidal ridges.

2,154,647
TANK FILLING APPARATUS
Roger Rolleston West, Vancouver, British Columbia, Canada
Application April 24, 1937, Serial No. 138,745
7 Claims. (Cl. 221—25)

1. The combination in a tank refilling apparatus of an anchorage for the nozzle of a flexible filling tube consisting of an internally serrated tube having slits therein to make the tube resiliently expandible to receive the externally serrated surface of the nozzle.



2,154,648
RESILIENT DRIVING CHAIN
Milton T. Weston, Red Bank, N. J.
Application March 29, 1937, Serial No. 133,553
4 Claims. (Cl. 74—236)

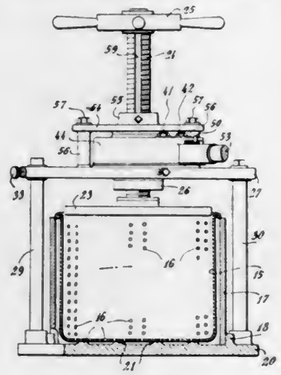


1. A power transmitting member for a power transmitting chain adapted to operate on opposed plain tapered discs said power transmitting member comprising in combination flexed load-transmitting bars and oppositely flexed load-receiving bars all of said bars being capable of flexing and adapted to endwise contact the plain faces of said opposed tapered discs and to be moved into jammed relation therewith, a retaining cage for all of said flexed bars said retaining cage being adapted for transverse mounting in said chain and having interior means for positioning all of said bars in flexed relation to a straight line transverse to said chain, and a spacing member between said flexed load-transmitting and load-receiving bars to operably position same in said retaining cage and to limit the flexing thereof.

2,154,649
VEGETABLE AND FRUIT PRESS
William Wishinsky, New York, N. Y.
Application May 27, 1938, Serial No. 210,365
1 Claim. (Cl. 100—44)

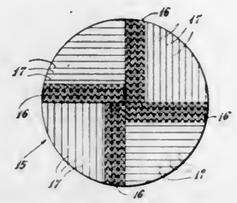
In a press for extracting the juice of a mash, the combination with a receptacle to hold the mash, of a frame, a nut member journalled on the frame, a set-screw in threaded engagement with the frame, adapted to maintain the nut member against axial rotation, a screw in threaded engagement with the nut member, having a longitudinal keyway therein, a platen member at one end of the screw, adapted to press on the mash upon longitudinal movement of the screw into the receptacle, a handle means at the other end of the screw, a set-screw threadedly engaged in

the frame adapted to be moved into said keyway to maintain the screw against axial rotation, a gear secured on the nut member coaxially therewith, a casing mounted loose about the screw, covering said gear, a pair of pawls within the casing and pivotally carried thereby, a spring means to maintain the pawls in engagement with the gear, a lever pivotally mounted on the casing and extending partially within and partially without said casing, a pair of shifter



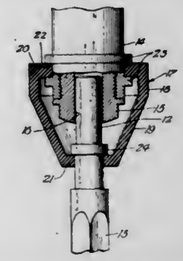
fingers extending from said lever and so positioned, that upon movement of said lever, one of the fingers will shift the pawl nearest to it, out of engagement from the gear, a handle extending from said casing and means to fix the position of said lever; said means including a pin on the lever and perforations in the handle, the pawls being so positioned, whereby they are adapted to drive the gear in opposite directions respectively.

2,154,650
GRATER
William Wishinsky, New York, N. Y.
Application May 27, 1938, Serial No. 210,366
1 Claim. (Cl. 146—177)



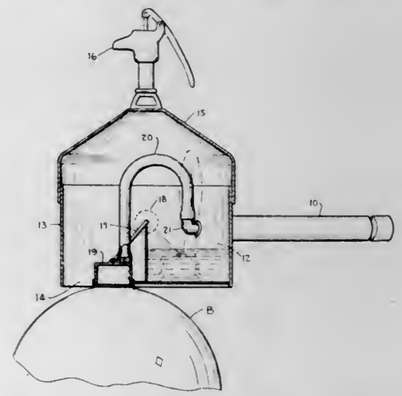
In a device of the character set forth, a disc, rotatably mounted about an axis passing perpendicularly through the centres of its faces, provided substantially on an entire surface thereof with groups of outwardly extending scraping blades; each group of blades determining a sector of said surface of the disc, and the blades of any individual group being parallel to one of the straight sides of the sector they determine; all such sectors formed being adjacent one another and the blades of adjacent groups being in angular relation; said disc being also provided with a group of scoring elements on the face thereof extending radially between each group of blades and its adjacent group, said scraping blades being in the form of ridges and the scoring elements being in the form of pyramids rising from the face of the disc.

2,154,651
TOOL RETAINER FOR PORTABLE POWER DRIVEN TOOLS
Oscar P. Wodack and Hugo M. Zschau, Chicago, Ill., assignors to Wodack Electric Tool Corporation, Chicago, Ill., a corporation of Illinois
Application March 4, 1937, Serial No. 128,924
2 Claims. (Cl. 279—19.6)



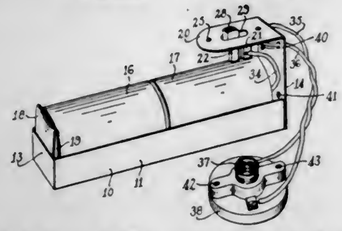
1. The combination with a portable power actuated tool embodying a stationary barrel and a detachable tool disposed for endwise reciprocation therein of a flexible rubber retaining sleeve telescoped over adjacent portions of the barrel and the tool, said sleeve being provided with spaced integral internal flanges adjacent the opposite ends thereof, said flange on the outer end of said sleeve closely embracing the shank of said tool thereby preventing the entrance of dust and other foreign matter into the interior of said barrel, means on said barrel engaging one of said flanges, and means including a shoulder on said tool located on the inner side of the other of said flanges and abutting against the same for positively limiting the outward movement of said tool from said barrel.

2,154,652
BUBBLE BLOWER
Alfred J. Anderson, Akron, Ohio
Application August 18, 1938; Serial No. 225,602
3 Claims. (Cl. 46—7)



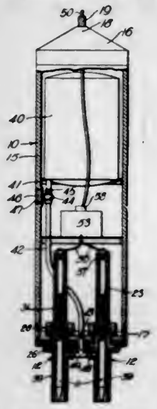
1. A bubble blower comprising a blow pipe, a receptacle for liquid mounted on an end of the blow pipe, a blow nozzle, means for shifting the blow nozzle between a position dipping into the receptacle and a position to one side of said receptacle in which a bubble may be blown and a flexible connection between the inner end of the blow pipe on which said receptacle is supported, and the blow nozzle.

2,154,653
BATTERY HOLDER
Edward N. Anketell, New Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application December 11, 1936, Serial No. 115,373
2 Claims. (Cl. 136—171)



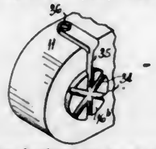
1. A battery holder comprising a sheet metal container of substantially rectangular shape and having a flat bottom upon which the container rests in a horizontal position, said container being open at its upper side to receive one or more battery cells in a horizontal position, a metallic spring member secured upon one of the ends of the container and making electrical contact therewith and extending inwardly to make contact with the case of the adjacent cell, a contact post mounted in the opposite end member of the container and insulated therefrom, said contact post making contact with the electrode of the adjacent cell, the last-named end member of said container being extended upwardly beyond the container sides and having a portion turned horizontally inwardly over the adjacent battery cell and in spaced relation therewith, a switch supported at the under side of said horizontal portion, a conductor connecting said contact post with one terminal of said switch, a conductor leading from the container connected to the other terminal of the switch, and a second conductor leading from the container and being electrically connected thereto.

2,154,654
APPARATUS FOR RECOVERING OBJECTS FROM WELLS
Arthur L. Armentrout, Los Angeles, and Cecil H. Phillips, Long Beach, Calif.; said Phillips assignor of one-fourth to said Armentrout
Application February 2, 1938, Serial No. 188,310
21 Claims. (Cl. 294—1)



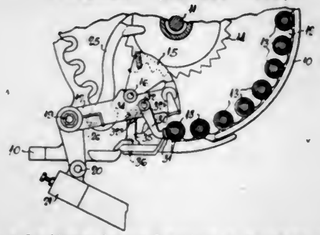
1. Apparatus for recovering lost objects from wells comprising a tool to be run into a well, spaced electrodes on the tool, at least one of the electrodes having a fusible part to engage a lost object of electrical conducting material, and means supplying current to the electrodes to fuse the said part to the object.

2,154,655
ECCENTRIC CONNECTION FOR LOOM SWORDS
William H. Bahan, Greenville, S. C.
Application April 10, 1937, Serial No. 136,145
1 Claim. (Cl. 151—32)



In a connection between a casting and a pitman for oscillating a casting, having an eccentric bolt having a plurality of radially disposed grooves in one end thereof, locking means for said bolt comprising a leaf spring having one of its ends secured to the casting and having a tongue on its other end for resiliently engaging one of the grooves in the end of the bolt for holding the bolt in adjusted position relative to the casting.

2,154,656
BOBBIN SUPPORT FOR BATTERY LOOMS
William H. Bahan, Greenville, S. C.
Application October 13, 1937, Serial No. 168,828
5 Claims. (Cl. 139—249)

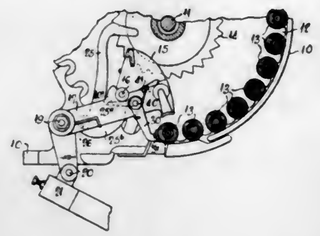


1. In a battery loom having a hopper and a lay carrying a shuttle, said hopper having means for holding a plurality of bobbins filled with yarn, a pivoted transferer for transferring the lowermost bobbin in the hopper into the shuttle upon exhaustion of filling on the bobbin in the shuttle, a finger having its upper end pivotally mounted on the transfer arm and having means on the lower end thereof for engaging the yarn on the lowermost bobbin in the hopper to prevent rotation, fixed means engaging the upper portion of the finger for holding the lower end of the finger in contact with the yarn on the lowermost bobbin, said fixed means being engageable by said finger to move the lower end of the finger out of contact with the said lowermost bobbin when the transfer arm is moved downwardly in a transfer operation.

2,154,657
BOBBIN SUPPORT FOR BATTERY LOOMS
William H. Bahan, Greenville, S. C.
Original application October 13, 1937, Serial No. 168,828. Divided and this application November 15, 1938, Serial No. 240,441
3 Claims. (Cl. 139—249)

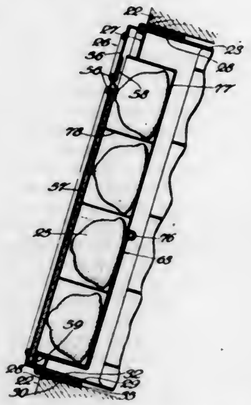
1. In a loom having a lay carrying a shuttle and a rotary hopper for holding a plurality of

bobbins, a transfer arm for transferring the lowermost bobbin into the shuttle upon exhaustion or parting of the filling, a finger pivotally mounted on the transfer arm and having its lower end adapted to engage the lowermost bobbin and hold it against turning movement, spring-pressed



means for normally holding said finger in engagement with said bobbin, and fixed means engageable by said finger for rotating said finger away from said bobbin upon the movement of said transfer arm to transfer said bobbin into the shuttle.

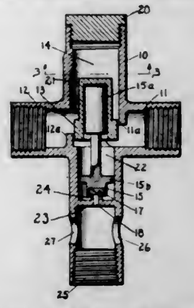
2,154,658
DISPLAY DEVICE
Charles W. Boston, Kenmore, N. Y.
Application April 4, 1933, Serial No. 664,418
6 Claims. (Cl. 220—82)



2. The combination with a display cover carried upon a main merchandise container, a holder for supporting a display tray, a transparent window section in the cover of the merchandise container, a receptacle body having lateral depth-defining extensions formed with cooperable opposing saddle portions normally straddling marginal portions of the window section in interlockable relation for mounting the holder on the cover whereby a display tray of merchandise can be held adjacent the window section for display therethrough.

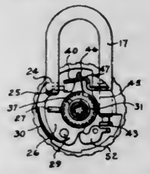
2,154,659
PRIMER VALVE
Verne C. Boydston, Seattle, Wash.
Application October 8, 1938, Serial No. 233,981
4 Claims. (Cl. 182—12)

1. In a primer valve, having an inlet and an outlet connection, valve means for discharging water to a trap and means for opening said valve upon the passage of water through said



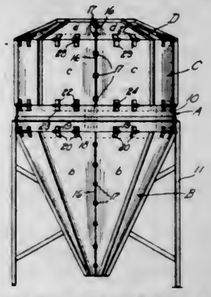
inlet and outlet, a dash-pot connecting means between said valve and said opening means.

2,154,660
PADLOCK
Karl A. Brauning, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn.
Application December 4, 1931, Serial No. 578,920
18 Claims. (Cl. 70—25)



1. In a padlock, a casing, a series of combination tumblers, means for setting said tumblers into a release position, a shackle, a shackle locking bolt controlled by said tumblers and adapted to release said shackle when said tumblers are in release position whereby said shackle may be withdrawn from said casing, means operable by said shackle when reinserted into said padlock casing for moving said locking bolt into locking relation to the shackle, and means actuated by said bolt in its movement for moving at least one of said tumblers out of release position.

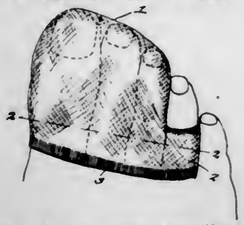
2,154,661
DUST COLLECTOR
Robert A. Briggs, Jr., West Hartford, Conn.
Application July 21, 1937, Serial No. 154,817
4 Claims. (Cl. 220—4)



1. A dust collector comprising a housing having an annular ring member which presents a substantially free exterior surface for the purpose of providing an area for the attachment of

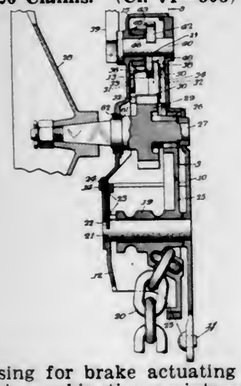
the supporting structure of the housing, and a plurality of freely removable portions detachably secured to said ring member.

2,154,662
TOE SHIELD
David Hiram Bucks, Milwaukee, Wis.
Application June 6, 1938, Serial No. 212,173
4 Claims. (Cl. 2—239)



1. A shield of the class described including a body portion closed at one end for encasing the first three toes of the foot and means extending from one side of said body portion and proportioned to embrace the base portion of the fourth toe of the foot and to expose the free end portion of said toe.

2,154,663
HAND BRAKE ACTUATING MECHANISM
Percy B. Camp, Maywood, Ill., assignor to Universal Draft Gear Attachment Co., a corporation of Illinois
Application July 27, 1936, Serial No. 92,820
20 Claims. (Cl. 74—505)

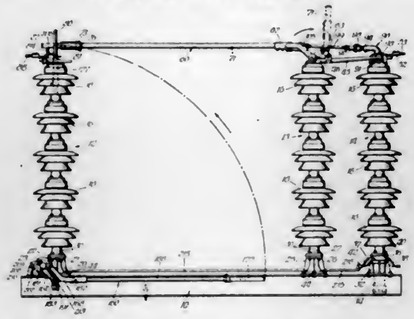


1. A housing for brake actuating mechanism comprising, in combination, an integral wall plate and winding drum cover plate having aligned bearings for a drum shaft, and an actuating gear cover plate detachably secured to the wall plate and overlapping the drum cover plate, the wall plate and actuating gear cover plate having aligned bearings for a driving shaft.

2,154,664
COMPOSITION TO INCREASE THE EFFICIENCY OF INTERNAL COMBUSTION ENGINES
Firman L. Carswell and Rosenaldo F. Sanchez, Kansas City, Kans., assignors, by direct and mesne assignments, to M. W. Borders, Jr., Kansas City, Mo.
No Drawing. Application July 6, 1936, Serial No. 89,234
6 Claims. (Cl. 87—9)

1. A composition of matter to increase the efficiency of internal combustion engines, consisting of finely divided, exfoliated vermiculite intermixed with a sufficient quantity of oil and water to form an emulsion.

2,154,665
SWITCH
Christen Christensen, Maywood, Ill., assignor to Electrical Engineers Equipment Co., Melrose Park, Ill., a corporation of Illinois
Application January 2, 1936, Serial No. 57,186
18 Claims. (Cl. 200—48)

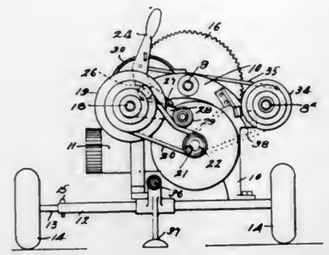


9. Switch mechanism comprising a grounded base, a pair of separated insulator stacks, a line switch comprising a switch blade pivoted to one of said stacks, stationary contact means carried by the other insulator stack and adapted to be engaged by said line switch blade, means for swinging said line switch blade from one position to another including an arm, a rod movable generally longitudinally on said grounded base and connected at one end to said arm, a grounding switch for connecting said stationary contact means with said grounded base and comprising a rockably mounted shaft journaled on said base, a switch blade movable into and out of contact with said stationary contact means, a sleeve member mounted for rocking movement with said shaft and arranged in one position in line with said rod to receive the same when the line switch is closed so as to prevent the movement of the ground switch blade to closed position, movement of said line switch to open position serving to withdraw said rod and free said sleeve and movement of said ground switch to closed position shifting said sleeve so as to prevent movement of said rod and hold said line switch in open position so long as said ground switch is closed.

17. Interlocking means for a pair of switches, comprising an apertured part movable with one of said switches from one position to another, and another part movable with the other switch and adapted to engage in the aperture in said first part for the purpose of holding said one switch against movement until the other switch has been actuated to withdraw said other part from said aperture.

2,154,666
SEWER ROD POWER
Hubert R. Crane, Los Angeles, Calif.
Application December 1, 1937, Serial No. 177,589
3 Claims. (Cl. 15—104.30)

1. Sewer bore cleaning apparatus including a prime motored vehicle, a sectional flexible rod having a tool head at one end and provided with section couplings, and a mechanism driven by the motor and including a rod drive sleeve rotative at a speed reduced as to that of the motor and through which the rod is axially shiftable



and having means positively locking with an interposed coupling to rotate it.

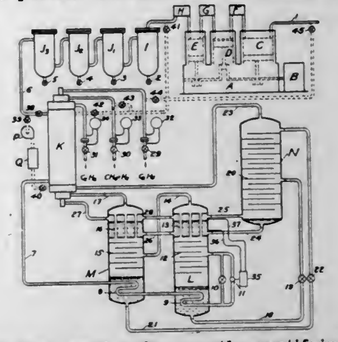
2,154,667
INSULATOR FOR HANDLED VESSELS
Alexander B. Davidson, Greensville, Ontario, Canada
Application June 2, 1937, Serial No. 146,080
1 Claim. (Cl. 154—44)



A heat insulator for a vessel handle and to be connected with respect to the body of the vessel for disposal between the body and the handle, and comprising a relatively thick body disk formed from unbreakable non-heat conducting material and having a pair of openings extending transversely therethrough, outer metallic plates engaged with the opposite sides of the disk, an elongated tongue struck from each plate to provide an elongated slot extending along the diameter thereof but terminating short of the peripheries of the plates, the tongue of each plate extending from one end of the slot of its plate and through the openings of the body disk, said plates being arranged with respect to each other so that the tongue of one plate extends through the slot of the opposed plate to engage the ends of the slots opposed to the ends having the tongues connected thereto for the engaged ends of the slots to act as abutment means for the tongues, and said tongues being bent about the engaged ends of the slots and clamped against the outer faces of the plates in a manner to be counter-sunk therein.

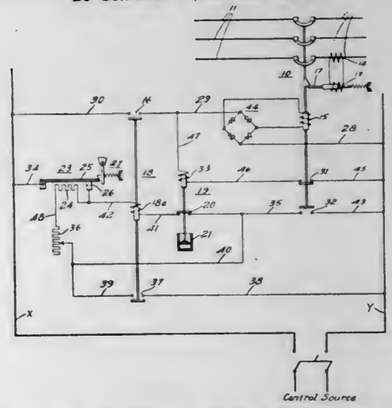
2,154,668
METHOD AND APPARATUS FOR SEPARATING ETHYLENE FROM A GASEOUS MIXTURE WITH ETHANE, METHANE, AND HYDROGEN
William Lane De Baufre, Lincoln, Nebr.
Application January 9, 1936, Serial No. 58,434
19 Claims. (Cl. 62—175.5)

18. Method of separating a gaseous mixture containing relatively highly volatile constituents, which includes cooling the gaseous mixture until a portion is liquefied, further cooling the unliquefied gaseous mixture until a second portion is liquefied, heating the second liquefied portion to drive therefrom said highly volatile constituents in solution therein, withdrawing the remaining gaseous portion containing said highly volatile



constituents, and subsequently rectifying both liquefied portions.

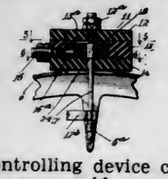
2,154,669
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM
Robert L. de Loache, Atlanta, Ga., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,587
10 Claims. (Cl. 175—294)



1. In an automatic reclosing circuit breaker system, in combination, a circuit breaker, means for automatically opening the breaker in response to predetermined conditions, means for closing the breaker, a control relay having first and second contact members, said first contact members being in circuit with the breaker closing means, a first and a second auxiliary contact means, means whereby the first auxiliary contact means is closed when the circuit breaker is open and opened when the circuit breaker is closed, means whereby the second auxiliary contact means is opened when the circuit breaker is opened and closed when the circuit breaker is closed, an energizing circuit for the control relay which includes the first auxiliary contact means whereby the control relay functions to cause the circuit breaker to reclose substantially instantaneously after the first opening, a timing relay having normally-closed timed-reclosing contact members in circuit with the control relay coil and the first auxiliary contact means, a circuit for energizing the timing relay coil including the second auxiliary contact means and the first control relay contact members and an

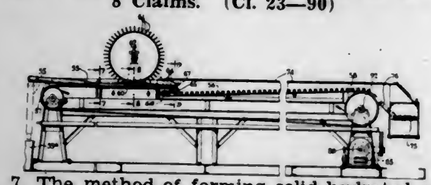
additional circuit including said second contact members of the control relay bridging said first auxiliary contact means when the control relay is energized, whereby the circuit breaker will be reclosed at intervals depending upon the time delay of the timing relay in the event that the circuit breaker reopens immediately after the first reclosure.

2,154,670
SIGNALING DEVICE
Kingman N. Donally, Bellerose, N. Y.
Application April 10, 1937, Serial No. 136,065
2 Claims. (Cl. 200—56)



1. A circuit controlling device consisting of a movable pointer, a movable carrier, a switch block mounted on the carrier and comprising three plates of insulating material, the middle plate being recessed, a conductor terminal mounted in the middle plate, a spindle, a recessed block of insulating material mounted on the spindle, a contact arm mounted on the spindle in the recess of the middle plate, and a two-armed member mounted on the spindle for co-action with the pointer.

2,154,671
METHOD FOR FORMING LUMPS OF CALCIUM CHLORIDE
Charles R. Downs, Old Greenwich, Conn., and Joseph W. Spiselman, Brooklyn, N. Y., assignors to Calorider Corporation, Greenwich, Conn., a corporation of Connecticut
Application October 12, 1935, Serial No. 44,700
8 Claims. (Cl. 23—90)

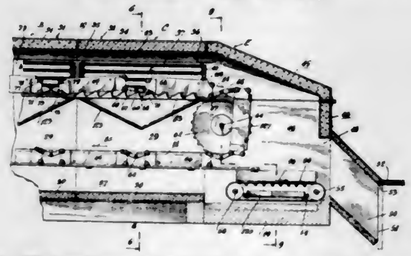


7. The method of forming solid hydrated calcium chloride lumps of uniform consistency and substantially uniform size and shape from molten hydrated calcium chloride, said method comprising flowing the molten material through a conduit and simultaneously agitating the material and cooling it to such an extent as to effect partial crystallization and give it a mushy consistency, forming the mushy material into masses of the desired size and shape, and further cooling said masses to solidify the previously unsolidified calcium chloride hydrate and thereby form a matrix cementing said crystals together.

2,154,672
FORMED BODIES OF SOLID CALCIUM CHLORIDE HYDRATE
Charles R. Downs, Old Greenwich, Conn., and Joseph W. Spiselman, Mamaroneck, N. Y., assignors to Calorider Corporation, Greenwich, Conn., a corporation of Connecticut
No Drawing. Original application October 12, 1935, Serial No. 44,700. Divided and this application July 20, 1938, Serial No. 220,344
6 Claims. (Cl. 23—90)

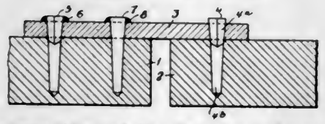
1. As an article of manufacture, a molded shape of hydrated calcium chloride containing not more than 32% and not less than 25% of water of crystallization, having a structure of very fine crystals of calcium chloride dihydrate of substantially uniform size both on its surface and throughout its mass, said fine crystals being cemented together into a dense and non-porous body by calcium chloride tetrahydrate.

2,154,673
RECLAMATION OF METALS
Leroy S. Fleck and Alvin A. Mansbach, New York, N. Y.
Application August 23, 1935, Serial No. 37,574
20 Claims. (Cl. 75—63)



1. The process of sweating radiators to recover the solder which comprises passing said radiators horizontally through a heated zone generated by direct and reflected rays from electrical heating elements mounted above the path of travel of said radiators, maintaining a reducing atmosphere in said heated zone by the use of a material which has a great affinity for oxygen, heating said radiators in said heated zone sufficiently to melt said solder, shaking said radiators while said solder is molten and finally tumbling said radiators with a whip cracking motion whereby to effectively separate said solder from the higher melting point metals of said radiators and cause it to fall by gravitation and collecting said separated solder beneath the path of travel of said radiators through said heated zone.

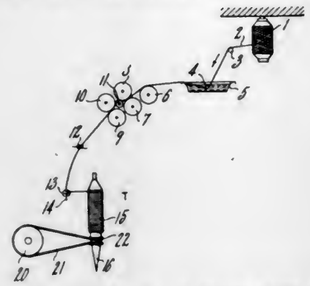
2,154,674
POWER BOND
Carl Abraham Forssell, Stockholm, Sweden
Application March 20, 1936, Serial No. 69,963
In Sweden March 23, 1935
11 Claims. (Cl. 20—92)



1. A connection of the type stated comprising an element of wood or the like; a piece of metal furniture having holes therethrough; and spikes, having head portions at least parts of which are of greater width than corresponding parts of said holes, forced through said holes and into said element; said spikes being united to said furniture by deformation of the metal thereof due to the forcing of said head portions into the furniture.

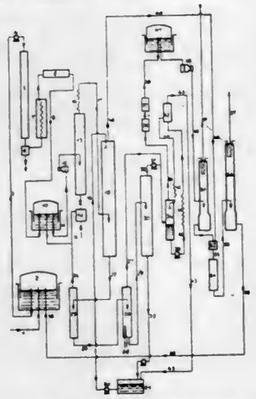
2,154,675
DRAFTING APPARATUS AND METHOD
Boutwell H. Foster, Maplewood, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 7, 1937, Serial No. 152,312
5 Claims. (Cl. 19—130)

1. A method of making asbestos yarn which comprises wet drafting, with an unsupported spacing between successive nips of not substantially more than five-eighths inch, an asbestos



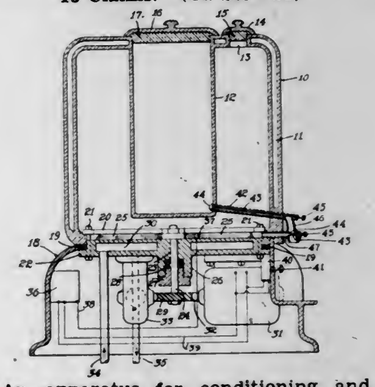
roving the asbestos fibers of which have an average staple length not exceeding three-quarters of an inch, and twisting the drafted roving into a yarn.

2,154,676
PRODUCTION OF ETHYLENE FROM SATURATED HYDROCARBONS
Hans Haeuber and Josef Hirschbeck, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application August 31, 1938, Serial No. 227,803
In Germany September 20, 1937
3 Claims. (Cl. 260—683)



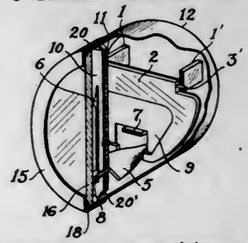
1. A process for the production of ethylene from saturated hydrocarbons containing more than two carbon atoms in the molecule which comprises cracking such saturated hydrocarbons to form a substantial amount of ethylene, removing from the cracked product any compounds containing triple carbon linkages and also substances liquid under ordinary conditions of temperature and pressure, treating the remaining gases containing ethylene together with higher olefines with an ammoniacal cuprous salt solution, thereby separating the olefines from the said gases, expelling the olefines from the said solution and then separating them by distillation into ethylene and higher olefines, passing the said higher olefines together with the part of the gases not having been absorbed by the ammoniacal cuprous salt solution at an elevated temperature over a hydrogenating catalyst and subjecting the hydrogenated gas after removal of methane, if any is present, again to cracking to form a substantial amount of ethylene.

2,154,677
PROCESS AND APPARATUS FOR CONDITIONING AND DISPENSING BEVERAGES
Thomas L. Hartman, Pittsburgh, Pa., assignor, by direct and mesne assignments, of one-third to Harold M. Young, one-third to E. J. W. Keagy, both of Pittsburgh, Pa., and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application January 2, 1936, Serial No. 57,123
13 Claims. (Cl. 225—21)



1. An apparatus for conditioning and dispensing a plurality of beverages one of which is a semi-solid frozen beverage comprising a first container, a second container disposed in said first container, a refrigerating unit in heat exchange relationship with and forming the bottom of said first container, delivery ducts extending from each container and terminating in a common discharge spout, the said bottom of the first container being adapted to have the frozen beverage formed thereon, means to remove the frozen beverage therefrom and for discharging it into the delivery duct of the first container and controls of the common discharge spout for delivering beverage from said containers singly or intermixed.

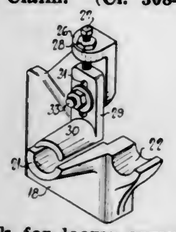
2,154,678
DEAD-BEAT INCLINOMETER, ACCELERATION, AND DECELERATION METER
Kenneth C. Hawthorne and Arthur B. Campbell, Thomaston, Conn.
Application March 19, 1935, Serial No. 11,886
6 Claims. (Cl. 33—215)



1. An inclinometer comprising a magnetized pendulum mounted to swing freely under the influence of gravity, a flattened helical armature of approximately 90° maximum twist, magnetically connected to said pendulum and solely dependent on the displacement of the pendulum for position, means for indicating the relative position of pendulum and armature, the axis of the indicating means being substantially perpendicular to the plane of the pendulum in its

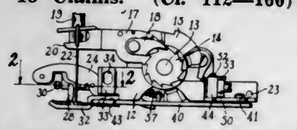
mid-position and showing longitudinal variations in level of the instrument support, a suitable casing supporting the parts in operative position and serving as a means to maintain proper coordination of armature and pendulum.

2,154,679
LOOM BEAM LOCK
Edward A. Hill, Clinton, S. C.
Application October 29, 1936, Serial No. 108,232
1 Claim. (Cl. 308—21)



A beam lock for looms comprising a bracket secured to each side of the loom frame and having an upwardly opening semi-circular bearing portion for reception of the spindle of a warp beam, a member having a semi-circular bearing portion adapted to engage the top portion of the spindle of the warp beam to hold the same in said bearing portion in said bracket, said member having a vertically disposed slot therein, a bolt fixed on said bracket and penetrating said slot for adjustably securing said member on said bracket, said bracket having an upwardly and laterally projecting portion having a threaded hole vertically disposed therein disposed in a vertical plane passing through the center of said semi-circular bearing portion, and a set screw threadably mounted in said threaded hole for engaging the upper end of said member for assisting said bolt in holding said member in adjusted position.

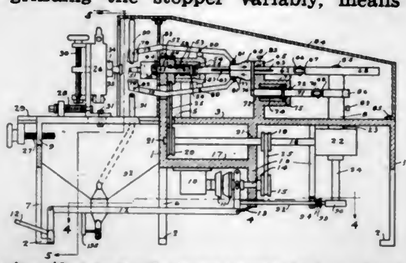
2,154,680
HEMSTITCHING ATTACHMENT FOR SEWING MACHINES
George L. Hinman, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application October 7, 1936, Serial No. 104,433
18 Claims. (Cl. 112—160)



1. In a hemstitching attachment for sewing machines, a frame, means carried by the frame to effect a hemstitching operation on material fed thereto, said means including a pointed piercer, means to feed the material progressively to said hemstitching means, rotatably adjustable means to vary the length of stitch between adjacent hemstitching operations, and means for correspondingly varying the position of the piercer point with respect to the frame.

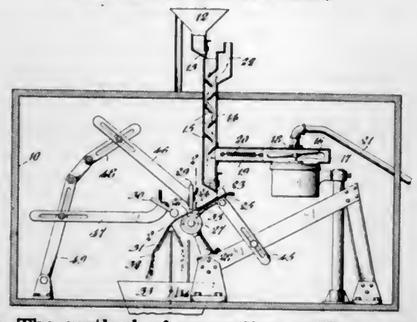
2,154,681
BOTTLE AND STOPPER GRINDING MACHINE
John Joseph Jeffries and Henry Carl Knoblock, Baltimore, Md.
Application May 10, 1938, Serial No. 207,079
10 Claims. (Cl. 51—3)

1. A glass stopper and bottle grinding machine comprising in combination, a frame, a resilient holder mounted on the said frame, for holding a bottle, a chuck with driving mechanism mounted on the frame, said chuck being arranged for resiliently holding a stopper for the bottle, means for grinding the stopper variably, means for



carrying the ground stopper into the neck of the bottle for fitting and grinding same together, said means being mounted on the frame, and adapted to isolate the grinding means from the stopper to permit the stopper to fit itself unobstructively in the neck of the bottle.

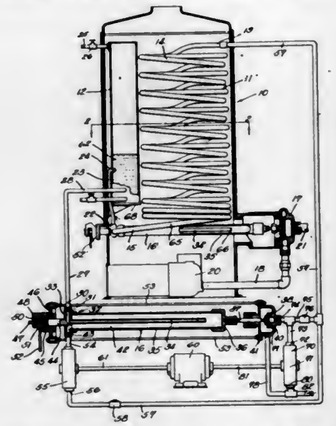
2,154,682
METHOD OF AND APPARATUS FOR SEPARATING MATERIALS
Fred R. Johnson, Buffalo, N. Y.
Application November 8, 1934, Serial No. 752,055
5 Claims. (Cl. 209—127)



5. The method of separating unlike particles from a comminuted mass of materials having different characteristics, which consists in treating the surface of the materials with fumes of a nature to render the material more or less susceptible to an electrical charge, in subjecting the top and bottom layers of the material to the influence of electrostatically charge electrodes of one potential whereby the susceptible material particles are subjected to a like charge, and then subjecting the charged particles to the influence of an oppositely-charged electrode to separate the same from the remainder of the material.

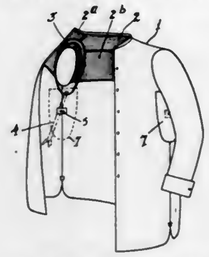
2,154,683
STEAM GENERATOR
Walter B. Kerrick, Los Angeles, Calif., assignor, by mesne assignments, to Clayton Manufacturing Company, Alhambra, Calif., a corporation of California
Application March 18, 1933, Serial No. 661,468
Renewed November 6, 1936
25 Claims. (Cl. 122—448)

8. The method of producing steam which comprises circulating water through a closed circuit including an elongated heating zone and an expansion zone at a rate materially in excess of the rate of steam production, withdrawing steam from said expansion zone, maintaining the excess of water circulating through said heating zone substantially constant and substantially independent of variation in steam withdrawal, maintaining the velocity of the water in said heating zone at a rate sufficiently high in relation to the application of heat to said heating zone to provide a back pressure substantially inhibiting steam generation in said heating zone, adding feed water to the circulating water, and regulating the application of heat to said heating zone in accordance with the rate of steam withdrawal.



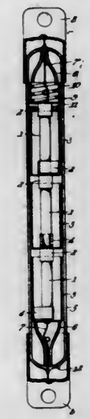
13. A method of generating steam, which method includes the steps of: circulating water under pressure through a closed circulation path confined from the atmosphere and including an elongated heating zone and a chamber which is only partially filled with water, the upper portion of said chamber containing steam; supplying heat to said heating zone while maintaining such flow conditions therein as to preclude separation of steam therein and thus preclude formation of steam pockets; withdrawing steam from said chamber; and controlling the amount of water entering said elongated heating zone in response to said steam withdrawal from said chamber.

2,154,684
SHIRT
Samuel Kool, Amsterdam, Netherlands
Application December 29, 1936, Serial No. 118,034
2 Claims. (Cl. 2—117)



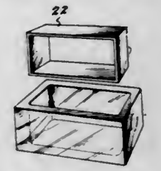
1. A shirt or like garment having a yoke extending over the shoulders of the wearer, a yoke backing formed of fabric extending below the fabric forming the outer yoke of the shirt, and flexible bands sewn to the shoulder portions of said yoke backing and forming freely hanging loops extending in the interior of the shirt below the sleeve holes for supporting the trousers of the wearer, said yoke backing forming a connection extending between the opposite band loops fixing their points of suspension on the shoulders of the wearer.

2,154,685
ELECTRICAL RESISTANCE
Francis X. Lamb, East Orange, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 21, 1936, Serial No. 112,162
6 Claims. (Cl. 201—65)



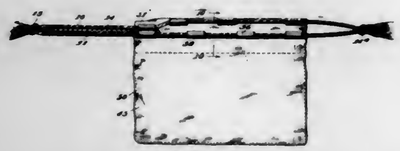
1. A high voltage resistor comprising a resistance unit of the cartridge type having end terminal caps, a metallic shield of substantially larger diameter than said unit having means at one end thereof for supporting the unit substantially axially within and spaced from the shield, means providing an electrical connection between said shield and one terminal cap of the unit, said shield extending along approximately the entire length of said unit to constitute an electrostatic shield and to establish a predetermined voltage gradient along said unit, an insulating casing enclosing said shield and unit, and terminal means on said casing electrically connected to the respective terminal caps of said resistance unit.

2,154,686
LIGHT-TRANSMITTING BUILDING CONSTRUCTION
Leland Logan, Plattsburgh, N. Y.
Application March 7, 1936, Serial No. 67,719
2 Claims. (Cl. 88—60)



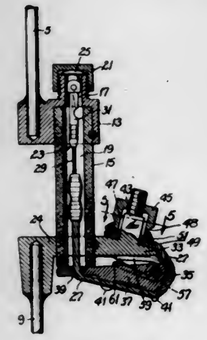
2. Hollow block having at least one light-transmitting face; said block having a parallelepipedal recess, the sides of which are parallel with the outer sides of said block, and an inserted liner comprising an endless folded sheet insert fitting said recess and coinciding with those parallel faces of said recess which are perpendicular to the said light-transmitting face of said block, said liner having its interior side formed with a mirror surface.

2,154,687
SLIDABLE FASTENER
Harry London, New York, N. Y.
Application February 7, 1938, Serial No. 189,219
1 Claim. (Cl. 24—207)



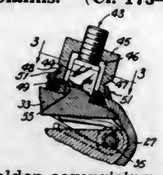
A slidable fastener comprising opposed edges defining a closure opening, a plurality of spaced guides secured to each of said edges with the guides alternately arranged on said edges, each of said guides consisting of a hollow cylindrical member opened at opposed ends and having a longitudinal slot connecting said ends and each guide having an opening in the plane of said slot, the securing means for said guides comprising a chain of stitching extending through the openings in said guides and through said edges, a cord slidable in each set of the guides, said cords being stitched together for a portion of their length.

2,154,688
FUSE
Claud L. Matthews, St. Louis, Carl E. Mosley, Richmond Heights, and Theodore Birkenmaier, St. Louis, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application February 10, 1936, Serial No. 63,098
7 Claims. (Cl. 200—117)



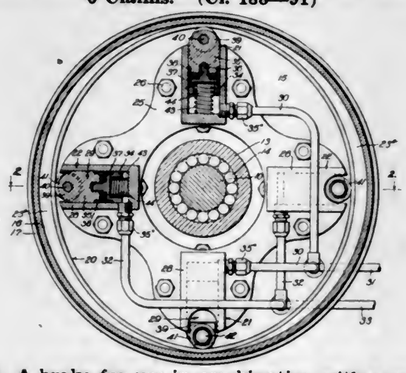
2. A fuse comprising spaced contacts, a fuse link having a flexible portion held to said contacts and extending therebetween, an insulating tube between said contacts and surrounding a portion of said link, said link extending from the tube, means pivoted to one of said contacts and having an opening adapted to be positioned adjacent the tube outlet in one position of said pivoted means, the flexible portion of said link being threaded therethrough, means normally tensioning said pivoted means to withdraw a portion of the fuse link from the tube upon blowing of the fuse, and limiting stop means between said pivoted member and the contact to which it is pivoted, whereby upon withdrawal of said flexible portion, the center of whip of the same is moved away from the pivot contact.

2,154,689
WIRE TERMINAL
Claud L. Matthews, St. Louis, Carl E. Mosley, Richmond Heights, and Theodore Birkenmaier, St. Louis, Mo., assignors to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Original application February 10, 1936, Serial No. 63,098. Divided and this application December 11, 1937, Serial No. 179,244
3 Claims. (Cl. 173—259)



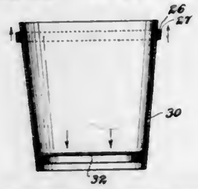
1. A wire holder comprising a stud having an unthreaded polygonal base and a completely threaded head, a nut threaded to said head and having a skirt surrounding said polygonal portion and rotatable with respect thereto, said skirt having a circular recess, a washer below said skirt, ears on said washer clinching into said circular recess, whereby relative angular movement is permitted between the nut and the washer but no relative movement of longitudinal translation, said washer having a polygonal opening therethrough of form similar to the polygonal section of said unthreaded base, whereby it may move to translate longitudinally on said base but not to rotate with respect thereto.

2,154,690
BRAKE
Samuel E. McFarland, Los Angeles, Calif.
Application October 13, 1937, Serial No. 168,740
6 Claims. (Cl. 188—91)



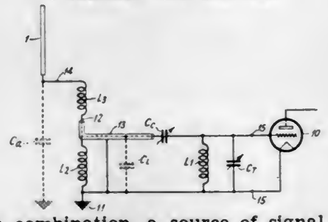
1. A brake for use in combination with a relatively stationary part and a rotating part comprising a unit secured to one of said parts and including two relatively reciprocable elements, one a cylinder, the other a piston in the cylinder, a cam ring secured to the other of said parts and cooperable with one of said elements to effect relative reciprocation between the elements, means containing a supply of fluid, a conduit communicating with the cylinder, and valve means for controlling said unit whereby the cooperation between the cam ring and the said element may resist relative rotation between the parts, the valve means including a body having an opening in communication with the fluid containing means and a pair of ports communicating with the said conduit, a manually movable valve member for controlling communication between said ports and the opening, an outwardly closing check valve controlling one of said ports and an inwardly closing check valve controlling the other of said ports.

2,154,691
METHOD OF MAKING CONTAINERS
Alfred R. Metzger, White Bear Lake, Minn., assignor of one-half to David C. Shepard, St. Paul, Minn.
Application February 15, 1934, Serial No. 711,437
18 Claims. (Cl. 93—39.1)



1. A method of forming a container comprising cutting a number of blanks, gluing the same in overlapping staggered relationship while lying flat, and rolling the glued and overlapped sheets.

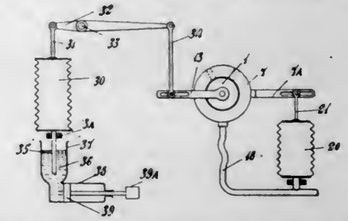
2,154,692
ELECTRICAL COUPLING SYSTEM
Garrard Mountjoy, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1937, Serial No. 121,424
7 Claims. (Cl. 250—20)



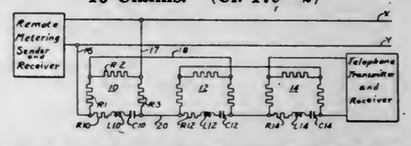
1. In combination, a source of signal voltage having a predetermined capacity, a parallel resonant circuit tunable over a wide range of frequencies, a coil of low distributed capacity having one end connected to said voltage source and having such an inductance value as to resonate with the capacity of said voltage source at a frequency of the order of the highest frequency of said range of frequencies and a condenser connected to the other end of said coil and to one end of said parallel resonant circuit.

2,154,693
CONTROL VALVE
George Saint Noble, Barcelona, Spain, assignor to Clair Saint Noble, London, England
Application February 19, 1937, Serial No. 126,722
In Great Britain January 18, 1936
2 Claims. (Cl. 137—153)

1. A fluid pressure valve comprising two rotary parts, bearings for said parts whereby they are coaxially borne and each is relatively movable, cooperating radial ports in said parts connected respectively to a source of pressure, an output side and an escape, one of said ports having an enlarged mouth and being adapted to interconnect said source, the output and the escape for simultaneous flow through all three of these and by relative movement between said parts to vary the connection inversely as between source and escape, means for adjusting one of said valve parts selectively in accordance with the required pressure, means for moving the other part in accordance with the pressure in the output side, and resilient means resisting the moving effect of the pressure in the output side.

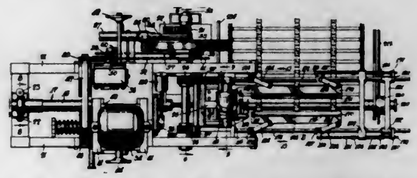


2,154,694
COMMUNICATION SYSTEM
William E. Pakala, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1937, Serial No. 163,201
16 Claims. (Cl. 179—2)



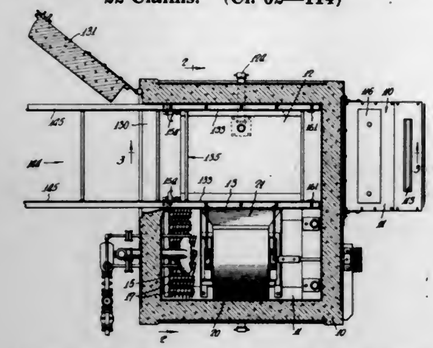
1. In a communication system in which a band of frequencies and a fixed frequency are superposed upon a single circuit, means for preventing said fixed frequency from interfering with the reception of said band of frequencies comprising a Wheatstone bridge arrangement connected to said circuit, three legs of the bridge having equal impedances at all frequencies and the fourth leg having an impedance equal to that of the others only at said fixed frequency.

2,154,695
TRAVELING CUT-OFF
Paul Phelps, Louisville, Ky., and John Hohl, Cranford, N. J., assignors, by mesne assignments, to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application June 5, 1936, Serial No. 83,688
20 Claims. (Cl. 107—21)



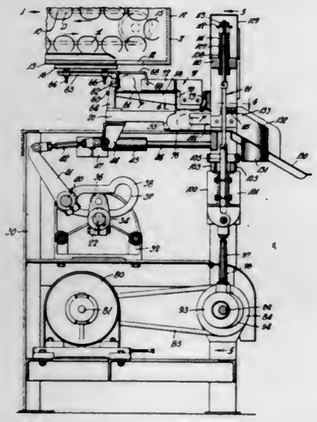
1. A traveling cut-off for continuously advancing material, including a double-edged reciprocatory blade movable transversely through the material to cut the same while traveling with the material, and control means for effecting transverse cutting movement in one direction during alternate forward movements, and transverse cutting movement in the opposite direction during the other forward movements.

2,154,696
APPARATUS FOR REFRIGERATING ARTICLES IN TRANSIT
Paul Phelps and Walter E. Zoeller, Louisville, Ky., assignors, by mesne assignments, to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application July 17, 1936, Serial No. 91,087
22 Claims. (Cl. 62—114)



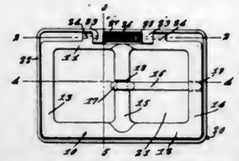
1. A refrigerating apparatus including a hardening room having an inlet and an outlet for articles to be hardened, an endless conveyer entirely within said room, having a plurality of vertical and horizontal runs and provided with a series of spaced carriers upon which the articles may be deposited by gravity at the inlet in spaced relationship and from which said articles may be delivered by gravity at said outlet, said carriers serving to retain said articles along a plurality of vertical runs of the conveyer, and means for refrigerating said room.

2,154,697
BAR CUTTER
Paul Phelps, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application June 11, 1937, Serial No. 147,670
8 Claims. (Cl. 107—21)



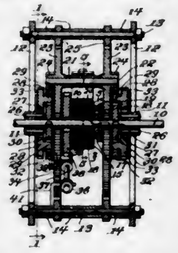
1. A machine for cutting a bar of frozen comestible into unit sections, including a plurality of parallel cutters, a fixed bar support, means for delivering bars successively and at predetermined time intervals to said bar support, a bar feeder, means for transferring the bars from said bar support successively into cutter feeding position with respect to said bar feeder and means for reciprocating said feeder to periodically move a bar disposed in cutter feeding position laterally past said cutters.

2,154,698
BELT BUCKLE
Jesse B. Pickelsimer, Brevard, N. C.
Application October 16, 1936, Serial No. 105,998
1 Claim. (Cl. 24—175)



The combination with a buckle, of a buckle cover having a peripheral flange, spaced hinge eyes on the inner face of the flange, a pintle carried by said eyes and engaging the cover for hinging the cover to a buckle, and a helical spring sleeved on the pintle between the eyes for normally holding the cover closed, said flange projecting beyond the pintle and being adapted to engage the buckle and form a stop to limit opening movement of the cover, one side of the flange and the ends of the flange being adapted to overlap the front side and the ends of the buckle and conceal the buckle.

2,154,699
SPRING MOTOR
James W. Richardson, Dayton, Ohio
Application January 6, 1937, Serial No. 119,322
1 Claim. (Cl. 74—305)

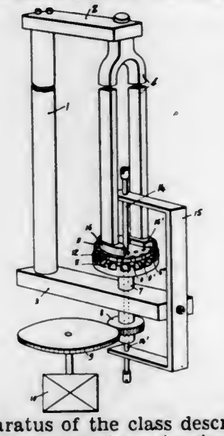


Gearing comprising a power take-off shaft, an orbital means having its orbital center coincident with the axis of the shaft, and means for imparting movement to the orbital means in the direction of rotation of the shaft but at less angular speed than that of the shaft, the orbital means comprising a relatively fixed gear and pinion, and the movement imparting means comprising a fixed gear having its axis coincident with the axis of the power shaft, a gear fixed to the power shaft, a relatively fixed orbital gear and pinion of which the former is in mesh with the fixed gear and the latter in mesh with the power shaft carried gear, an externally and internally toothed annular gear of which the internal teeth are in mesh with the last said pinion and the external teeth in mesh with the first said orbital pinion and a fixed internally toothed annular gear in mesh with the teeth of the first said orbital gear.

2,154,700
ELECTRICAL CONTACTING ELEMENT
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application August 31, 1936, Serial No. 98,790
2 Claims. (Cl. 200—166)

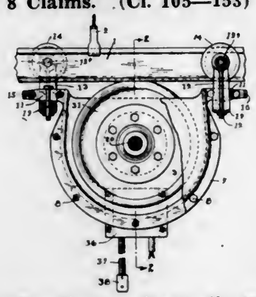
1. An electrical contacting element composed substantially of chromium and containing from an appreciable amount to 10% tin.

2,154,701
DIFFERENTIAL MECHANISM
Edmondo Ruspoli, Paris, France
Application April 22, 1936, Serial No. 75,872
In France April 24, 1935
10 Claims. (Cl. 175—368)



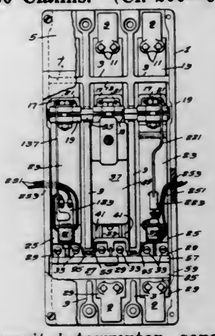
1. In apparatus of the class described, a magnet having vibratory polar extensions, a disk-like rotor having a face adjacent to said extensions, a toothed armature adjacent to the opposite face of said rotor, and means for rotating said armature.

2,154,702
OVERHEAD TRACTOR
Arthur D. Saborsky, Lakewood, Ohio
Application September 24, 1934, Serial No. 745,345
8 Claims. (Cl. 105—153)



1. In combination, a tramrail, an overhead tractor for propelling variable loads along said tramrail and provided with supporting wheels and arranged to run on top of the tramrail flanges, a traction wheel engaging the bottom side said tramrail flanges, said traction wheel having a non-metallic circumferential portion formed of resilient material permitting radial flexing thereof to exert pressure against the tramrail flanges and shaped in cross section to provide for lateral flexing as said wheel negotiates curved portions of said tramrail, the traction wheel and supporting wheels being mounted on said tractor in fixed relation to each other, whereby to maintain constant pressure on said tramrail between the said supporting wheels and the said traction wheel.

2,154,703
CIRCUIT INTERRUPTER
Jerome M. Sandin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1935, Serial No. 40,194
30 Claims. (Cl. 200—98)



1. In a circuit interrupter, separable contact means for opening and for closing the electrical circuit therethrough, actuating means for said contact means, a trip device operable upon the occurrence of predetermined conditions to cause said actuating means to move said contact means automatically to the open circuit position, said trip device being removable from said interrupter as a unit and including a base, a cover which cooperates with said base to define a closure for said device, electro-responsive tripping means disposed within said closure, and other electro-responsive tripping means supported on said base outside said closure, said last mentioned means being removable from operative engagement with said trip device without necessitating the removal of said cover, and means for mechanically interconnecting said last mentioned tripping means with said separable contact means and the actuating means therefor.

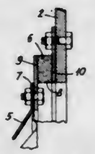
2,154,704
METHOD OF TREATING ROSIN ESTERS AND PRODUCT THEREOF
Paul Schnorf, Wiesli, Switzerland, assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 9, 1936, Serial No. 78,854
25 Claims. (Cl. 260—103)

1. A polymerized rosin ester characterized by having a higher viscosity characteristic, a melting point from about 5° C. to about 100° C. higher, and a molecular weight which is about 5% to about 100% greater, than the corresponding unpolymerized rosin ester.

2,154,705
LOUDSPEAKER SUPPORT
Rudolf Schultz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 9, 1937, Serial No. 168,161
In Germany October 16, 1936
6 Claims. (Cl. 179—146)

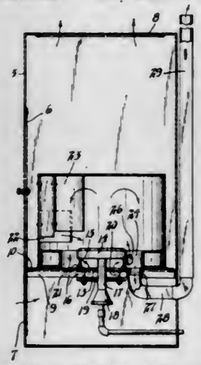
1. Means for resiliently supporting a loudspeaker from a co-operating baffle board, com-

prising a diaphragm housing having an outer circular rim, an annular metal member fastened to said rim by means of fastening devices, a second annular metal member fastened to the baffle ad-



jacent its opening by means of other fastening devices, and a resilient material permanently affixed to each of said annular metal members and serving as the sole medium for resiliently supporting the loudspeaker from the baffle board.

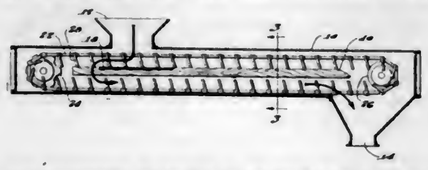
2,154,706
COMBUSTION DEVICE
Fredrick O. Shaffer, Minneapolis, Minn., assignor of one-half to James T. Hegland, Minneapolis, Minn.
Application May 19, 1937, Serial No. 143,500
4 Claims. (Cl. 126—90)



1. In a combustion device, an outer casing, a gaseous fuel burner within said casing, means for mixing unheated air with said fuel prior to combustion, said casing having means for directing unheated air to said burner adjacent the point of combustion, a manifold adjacent said burner for preheating and directing air toward said point of combustion, a heating chamber substantially enclosing said burner and being entirely enclosed in its upper side and top portions, means for withdrawing products of combustion from said heating chamber, and said outer casing having upper and lower openings to permit circulation of air upwardly through said casing and around said heating chamber.

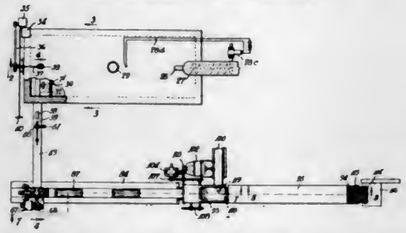
2,154,707
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application May 9, 1936, Serial No. 78,862
4 Claims. (Cl. 198—168)

1. In a conveyer of the character described, in combination, an endless conveyer having upper and lower runs and comprising a plurality of connected spaced flights, a casing through which the upper and lower runs of said endless conveyer travel, said casing being provided with supporting means upon which the inverted flights of said upper run are supported, said flights being disposed rearwardly at an angle slightly more than ninety degrees from the direction of travel



of the conveyer whereby to reduce to a minimum vibration upon the contacting ends of the flights with said supporting means.

2,154,708
APPARATUS FOR MAKING FORMED BODIES OF CALCIUM CHLORIDE HYDRATE OR ANALOGOUS MATERIAL
Joseph W. Spiselman, Mamaroneck, N. Y., and Charles R. Downs, Old Greenwich, Conn., assignors to Calorider Corporation, Greenwich, Conn., a corporation of Connecticut
Application August 4, 1938, Serial No. 223,044
15 Claims. (Cl. 18—26)

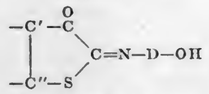


1. In an apparatus for forming solid hydrated calcium chloride, a reservoir for liquid hydrated calcium chloride, means to heat the reservoir, a pump for pumping the heated calcium chloride from said reservoir, a cooling conduit through which the heated calcium chloride is pumped and a nozzle through which it is extruded in a mushy state, means to maintain the material under constant agitation in said conduit, means to remove heat from the material in said conduit, means to shape the material on discharge from said nozzle and means to cool it to a solid state in its shaped condition.

14. An apparatus for forming shaped bodies from flowable material, including a tank, means for heating said tank to maintain the material in liquid condition in said tank, a discharge conduit from said tank, means for controlling the delivery of the material through said conduit, means to cool the material in said conduit, means to agitate the material in said conduit to cause the material to be discharged therefrom in a mushy state, and a series of articulated molds for receiving said material and in which it is formed into the shaped bodies, and including a series of relatively movable sections each having a partition plate and narrower base plates extending lengthwise of the conveyor upon opposite sides of the partition plate, said base plates of each two adjacent sections being disposed side by side laterally of the conveyor and cooperating to form a substantially complete material supporting wall between adjacent partition plates, each of said base plates extending more than half way to the partition plate of the adjacent section, whereby upon relative tilting of said sections each solid body is positively freed from both of the partition plates and all of the base sections contacting therewith.

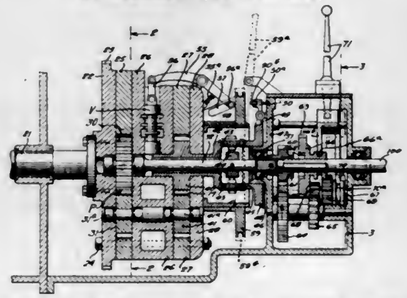
2,154,709
POLYNUCLEAR ARYL THIOISATINS
Alvin J. Sweet, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 4, 1936, Serial No. 67,078
10 Claims. (Cl. 260—330)

1. The chemical compounds which may be typified by the general formula



wherein C' and C'' are adjacent carbon atoms of a polynuclear aryl radical selected from the group consisting of naphthalene, anthracene, anthraquinone and homologous radicals, D represents an aryl hydrocarbon radical of the benzene series, and the hydroxyl group is in the para-position to the nitrogen atom.

2,154,710
POWER TRANSMISSION
Hans Thoma, Karlsruhe, Baden, Germany
Application July 22, 1933, Serial No. 681,695
In Germany August 4, 1932
47 Claims. (Cl. 74—293)



1. In a hydraulic power transmission, a power supply shaft, a coaxial power delivery shaft, a hydraulic displacement device connected between said power supply and power delivery shafts for rotating the latter in the same direction at the same speed and a second hydraulic displacement device connected between said power supply shaft and said power delivery shaft through gearing for rotating said power delivery shaft in the same direction at a different speed.

2,154,711
BEAD TRIM RETAINER CLIP
John H. Van Uum, Lakewood, Ohio
Application December 30, 1935, Serial No. 56,641
2 Claims. (Cl. 24—213)



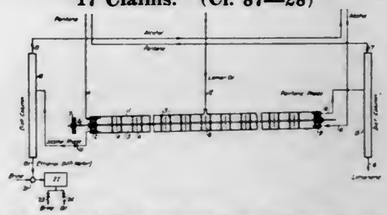
1. A spring fastener for securing a hollow member having inturned base flanges to an apertured support, said fastener being made in one piece from flat spring sheet stock and with a shank comprising downwardly extending legs with relatively broad faces adjacent each other and which are spaced apart intermediately of their ends in a common vertical plane, and converge both upwardly and downwardly from said spaced region of the legs to enable spring engagement with such opening in the supporting member in a known or suitable manner; the fastener being characterized particularly in that oppositely and downwardly inclined wing members are contiguous with the legs at their upper ends and directed away from the legs on opposite sides of said plane and form head portions of the fastener which are yieldable toward and away from such plane for yieldingly pressing the inturned flanges of such hollow member toward the support by substantial flexure of the wing members without tending to affect the relative position of the legs.

2,154,712
SELF-LOCKING SECURING DEVICE
John H. Van Uum, Lakewood, Ohio
Application March 22, 1937, Serial No. 132,263
3 Claims. (Cl. 85—5)



1. A spring clip retaining device for securing an element to a support which has an aperture therein by insertion of the clip endwise through the aperture and comprising a strip of resilient metal having a portion in the form of a substantially U-shaped nose, and leg portions extending therefrom, said leg portions being of greater width at a part more remote from the nose than less remote from the nose, said wider portions providing land shoulders, said strip having a portion beyond the land shoulders in a direction away from the nose in the form of laterally extending head portions for attachment to the element to be secured to the support when the clip is inserted through said aperture, nose foremost, and said land shoulders being engageable with the face of the support against which the element is secured, and means connected to the leg portions of the clip near the nose portion and extending toward the head portions and engageable with the support at the face opposite to the element when the clip is installed, and said leg portions being more flexible between the shoulders and said means than at the widened portions and adjacent the nose.

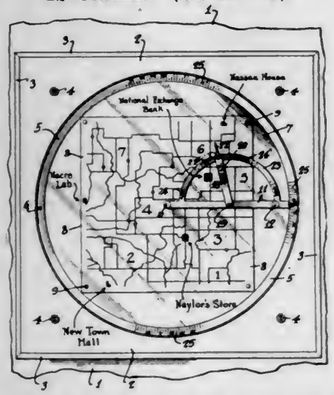
2,154,713
PROCESS FOR EXTRACTING ETHEREAL OILS
Willem Rhijnvis van Wijk, Amsterdam, and Willem Johannes Dominicus van Dijck, The Hague, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 8, 1937, Serial No. 129,565
In the Netherlands April 17, 1936
17 Claims. (Cl. 87—28)



1. A process for separating ethereal oil containing constituents of different dipole moments into fractions containing concentrates of different constituents by means of solvents, comprising the steps of subjecting said oil to the extracting

action of a liquid polar preferential solvent for a non-hydrocarbon ethereal constituent of said oil having a relatively high dipole moment, and a non-polar solvent in the liquid state, said solvents being at least partially immisicible under the extracting conditions in the presence of said oil, said extracting conditions being such as to cause the formation of a liquid phase rich in said polar solvent having dissolved therein a concentrate of said non-hydrocarbon constituent, and a liquid phase rich in said non-polar solvent having dissolved therein a concentrate of a constituent of said oil having a lower dipole moment than said first non-hydrocarbon component, and separating the said liquid phases from one another.

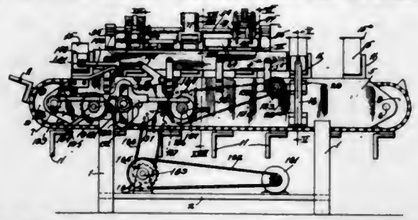
2,154,714
TRAIL FINDER
Marvin F. Ziehm, Hortonville, Wis., assignor to Rural Fire Apparatus Co., Inc., Hortonville, Wis.
Application July 18, 1938, Serial No. 219,916
12 Claims. (Cl. 33—76)



1. In a trail finder adapted to be placed over a map for determining distances between points on the map, the combination of a frame having an opening therein through which a map is visible and over which the frame is centered, a glass face covering said opening, a beveled dial ring encircling said opening and bearing a series of successive numerals, a central post mounted in the glass face, a pointer arm having its shank pivotally mounted on said post, a semicircular dial formed integral with the pointer arm and bearing a plurality of alphabets, a second pointer arm pivotally mounted on the first pointer arm midway of the ends of the semicircular dial, said pointer arm having a sight opening positioned over the letters on the semi-circular dial and a downturned pointed end formed on said arm.

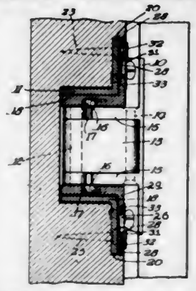
2,154,715
BAG CLOSING MACHINE
Charles F. Allison, Chicago, Ill., assignor to Bag Closing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application June 14, 1937, Serial No. 148,043
24 Claims. (Cl. 93—6)

1. In a bag closing machine, means for settling the contents of a bag, means for tucking in the ends of the neck of the bag, means for folding the neck portion of the bag, means for positioning the folded portion in flatwise position upon the top of the bag, said folded portion carrying a metal tie and simultaneously operable curved elements for folding down and tucking in



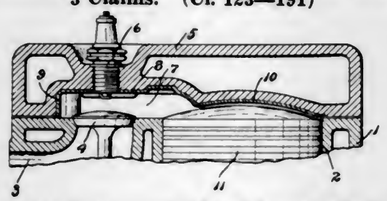
the ends of the metal tie beneath the fold for the purpose set forth.

2,154,716
HINGE
Maud L. Anderson, Aurora, Ill.
Application June 1, 1937, Serial No. 145,707
9 Claims. (Cl. 16—131)



9. A door hinge embodying a pillar member, wedge means adjacent one face of said member and positioned between said member and a pillar of a door opening, and means adjustably securing said wedge means and member together, the second recited means adapting the operation of the said wedge means from the other face of said member for varying the position of said member with respect to the pillar and while the member is attached to the pillar.

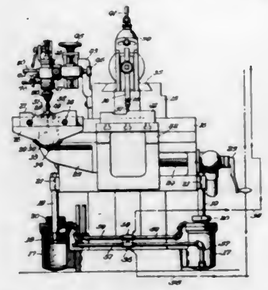
2,154,717
CYLINDER HEAD
Irving E. Aske, Muskegon, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application June 22, 1936, Serial No. 86,529
3 Claims. (Cl. 123—191)



1. A cast iron cover or head for cylinder blocks of internal combustion engines and a steel lining at the inner side of said head over the cylinders and combustion chambers, said lining and cast iron head having fused connection.

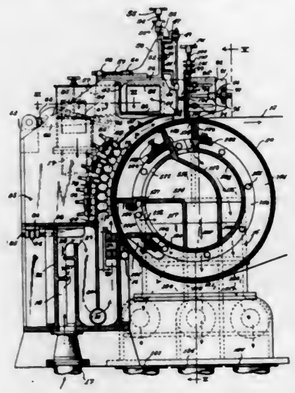
2,154,718
DUPLICATING MACHINE
Thomas W. Bannon, Chicago, Ill., assignor, by mesne assignments, to Edmund L. Wall, Detroit, Mich.
Application December 14, 1936, Serial No. 115,732
4 Claims. (Cl. 90—24.3)

1. In a shaper or planer machine, a work support, a non-rotatable cutter having a forward and backward cutting movement, a template holder mounted in fixed relation to the work support, a tracer adapted to traverse a template held by said template holder, means for raising and lowering said work support to move the work towards and away from the cutter in directions transverse to the direction of cutting movement,



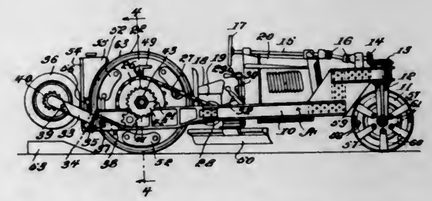
means controlled by the tracer for controlling the said raising and lowering means, said template holder having an uninterrupted supporting surface to be directly contacted by and over which the tracer is adapted to move, said surface serving as a template, and means mounting said template holder for adjustment, whereby the said surface may be positioned at different angles.

2,154,719
VACUUM FORMING PAPER MAKING MACHINE
Earl E. Berry, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application September 9, 1935, Serial No. 39,679
7 Claims. (Cl. 92—43)



1. A wet end for paper machines comprising a suction roll rotatably mounted in a frame structure, a forming wire around said roll, a feed box adjacent the bottom of said suction roll, an arcuate plate extending around a portion of said suction roll and pivotally mounted on said feed box, means for variably spacing said plate from said suction roll, a plurality of rods extending thru said plate toward the forming wire, enlarged fingers on the ends of said rods extending transversely therefrom, means for rotating said rods about their own axis to position the fingers, means for flowing stock from said feed box through the space between said plate and said suction roll for deposition of fibers on the forming wire around said roll, a slice in spaced relation from the end of said arcuate plate, means for adjustably spacing said slice from said forming wire, means for maintaining a head of stock above said plate, and means for removing excess stock from said head.

2,154,720
COMBINED ROAD ROLLER AND GRADER
Edgar V. Biles, San Antonio, Tex., assignor to Carl H. Graham, San Antonio, Tex.
Application April 29, 1935, Serial No. 18,897
19 Claims. (Cl. 94—50)

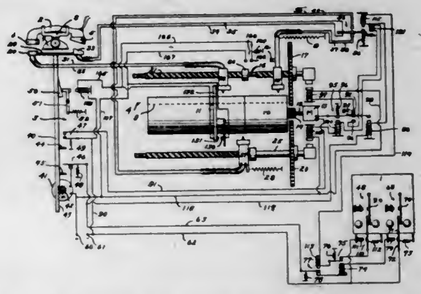


1. In a machine of the character described, a frame having road roller equipment, a power unit carried by the frame and having driven connections with said roller equipment, rear wheels swingingly connected with the frame and movable to and away from a road surface and when engaged with said road surface elevating the roller equipment from contact therewith, and driven connections between the power unit and said wheels.

2,154,721
AUTOMOBILE POLISH
Arthur L. Blount, Palos Verdes Estates, and Marcellus T. Flaxman, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 12, 1935, Serial No. 6,268
21 Claims. (Cl. 134—24)

1. A polish comprising a fine abrasive, an oxidized fatty oil to act as a glossing agent, a gum emulsifier and thickener, an aliphatic alcohol as a wetting and spreading agent, and a quantity of water.

2,154,722
RECORDER AND REPRODUCER
Allan P. Bloxsom, Houston, Tex.
Application January 7, 1937, Serial No. 119,385
12 Claims. (Cl. 179—6)



1. In a device for automatically responding to and repeating incoming telephone calls, a spindle, a motor adapted to drive said spindle, an impressionable wax record on said spindle, said

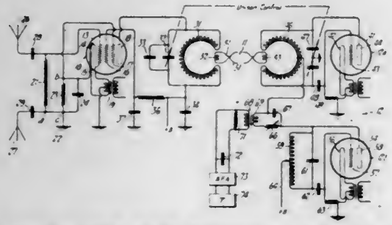
record having an informing message portion and a portion adapted to receive an incoming message thereon, a reproducer to repeat the informing message, a recorder to be brought into recording relation with the receiving message portion of said record, a telephone, means actuated by an incoming call for lifting the receiver from its hook and for energizing said driving motor, means for transmitting the informing message to the transmitter of said telephone, means for transmitting the incoming message to said recorder, means for repeating the recorded message in answer to a subsequent incoming call, and means for deenergizing the device when the recorded message has been repeated.

2,154,723

SHORT WAVE RADIO AMPLIFYING AND RECEIVING SYSTEM

Elmer L. Brown, San Francisco, Calif., assignor to Joseph B. Smith, San Francisco, Calif., as trustee

Application October 10, 1936, Serial No. 105,008
5 Claims. (Cl. 250—20)



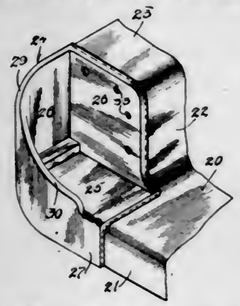
1. In an ultra high frequency radio receiver, a radio frequency amplifier for signal energy, said amplifier having an untuned input circuit and a sharply tuned output circuit, a super-regenerative detector having a sharply tuned circuit, and a low voltage current feed line serving to couple the output of the amplifier to the super-regenerative detector.

2,154,724

RANGE CONSTRUCTION

Gordon H. Brown, Detroit, Mich., assignor to Electromaster, Inc., Detroit, Mich., a corporation of Michigan

Application October 18, 1937, Serial No. 169,554
11 Claims. (Cl. 126—211)



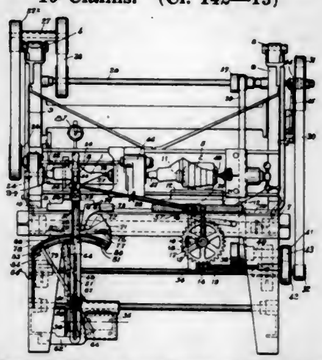
5. As an article of manufacture, a rear corner bracket for a table top construction having a rear wall terminating at its top in a rearwardly extending shelf, said bracket comprising walls defining a utility receptacle opening on its front substantially in the plane of the rear wall, and at its top substantially in the plane of the shelf.

2,154,725

COPYING LATHE

George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio

Application November 14, 1936, Serial No. 110,793
10 Claims. (Cl. 142—15)



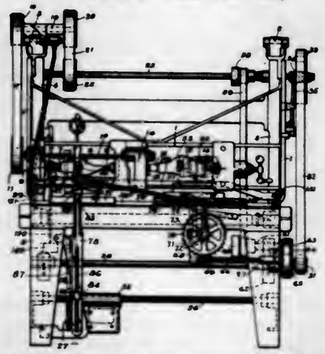
8. A last lathe comprising model and work holding instrumentalities, a model wheel carriage having a model wheel thereon, a cutter carriage having a driven cutter thereon, a pantographic grading lever having means connected thereto for inter-connecting said carriages and having a movable fulcrum, a grade changing lever pivotally mounted on the lathe frame, a connection on said lever for moving said fulcrum, a cam on said lever, adjusting means for adjusting said cam longitudinally of said lever, a cam follower on one of said carriages engaging said cam at a point in the travel of said carriages determined by the longitudinal adjustment of said cam.

2,154,726

TOE SPRING CORRECTION ATTACHMENT FOR LAST LATHES

George Clausing, Portsmouth, Ohio, assignor to Vulcan Corporation, Portsmouth, Ohio

Application November 14, 1936, Serial No. 110,794
4 Claims. (Cl. 142—15)



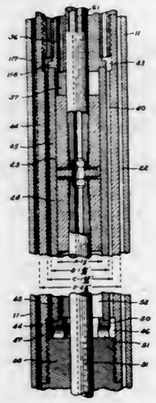
1. In a last lathe having model wheel and cutter carriages, means for rotatively supporting a model last comprising heel and toe dogs engaging the ends of the model, a driven spindle for rotating the model and dogs, a free inner end on said spindle projecting beyond the spindle bearing, a head detachably secured to said inner end of the spindle having means therein for receiving and guiding one of said dogs laterally therein, a sleeve upon the head, rotating with and slidable axially thereof, cams upon the inner periphery of said sleeve engaging and moving said dog upon axial movement thereof, a lever fulcrumed upon the lathe frame to swing in a vertical plane, a cam on said lever, a co-operating follower on one of the carriages of the lathe, and a lever and linkage system for transmitting the movement developed by said cam and follower to said sleeve and dog.

2,154,727

FLUID OPERATED PUMP

Clarence J. Coberly, Los Angeles, Calif., assignor to Roko Corporation, Reno, Nev., a corporation of Nevada

Continuation of application Serial No. 720,056, April 11, 1934. This application July 7, 1938, Serial No. 217,990
6 Claims. (Cl. 103—216)



1. A pumping device of the character described, including: a liner; a double-acting reciprocable piston in said liner defining therewith a fluid chamber on each side of said piston; means for alternately establishing relatively high and low fluid pressures in said chambers; and a shell surrounding said liner, there being a longitudinal fluid passage between the outer periphery of said liner and the inner periphery of said shell, said liner and said shell being so assembled that said shell initially constricts said liner sufficiently to produce a stress in said liner comparable to the highest fluid pressure existing in said chambers and said passage so as to prevent excessive deformation of said liner due to such highest pressure.

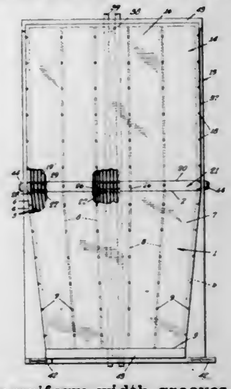
2,154,728

MATRIX STORAGE SYSTEM FOR TYPE MAKING MACHINES

Guy C. Coleman and Hugh Foster, Los Angeles, Calif.

Application June 30, 1937, Serial No. 151,084
10 Claims. (Cl. 276—44)

1. In a system for transferring type matrices to and from a standard type making machine magazine, a standard magazine having a plurality of grooves for guiding and holding matrices, said grooves being flared outwardly at their entrance ends, a storage magazine having a plurality of matrix receiving grooves alignable with the grooves of said standard magazine, a transfer member disposed between the entrance ends of both said magazines and having means defining a plurality of matrix guiding grooves alignable with the grooves of both said magazines, and a plurality of fingers on said transfer means extending into the flared ends of said standard magazine grooves to form therewith continuous



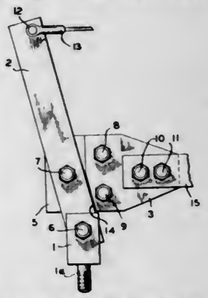
substantially uniform width grooves between said transfer member and said standard magazine.

2,154,729

AUTOMATIC BRAKING DEVICE

Chalmers S. Corzine, Dubuque, Iowa, assignor of one-tenth to John W. Kintzinger, Jr., Dubuque, Iowa

Application November 1, 1937, Serial No. 172,203
1 Claim. (Cl. 188—142)



A hitch for automatically operating a trailer brake mechanism comprising in combination a yoke member formed of a center plate and two side plates, the latter having portions extending below the center plate to form spaced-apart arms, said yoke member being adapted to be fixed to a trailer and the center plate thereof have its lowermost face beveled; a brake operating lever pivotally mounted between the aforesaid arms formed by said side plates; and a tow bar pivotally connected to the forward end of said brake operating lever whereby a pull on the tow bar forwardly of the trailer effects a rotation of said brake operating lever in a direction away from said beveled face, and a push of the tow bar towards the trailer effects a rotation of said brake operating lever in the opposite direction and into engagement with said beveled face to apply the trailer brakes.

2,154,730

MAGNETIC MATERIAL

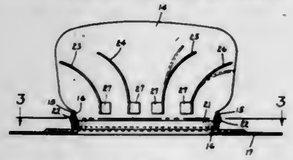
Irvin W. Cox, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

No Drawing. Application December 30, 1935, Serial No. 56,725
5 Claims. (Cl. 175—21)

2. The method of making magnetic structures

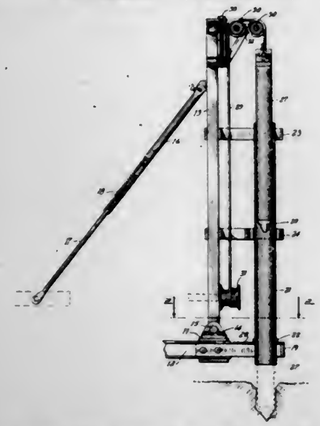
which consists in first mixing magnetic material with colloidal andalusite, adding a solution of sodium silicate as a binder, drying the mixture and then adding a solution of ammonium chromate as an oxidizer, then pressing the material into cores, and then heating the cores to a temperature sufficient to cause the oxidizer to liberate oxygen to oxidize any exposed uninsulated surfaces of the magnetic material.

2,154,731
NOZZLE
Enos W. Crowley, Minneapolis, Minn., assignor to Tropic-Aire, Incorporated, Minneapolis, Minn., a corporation of Delaware
Application August 2, 1937, Serial No. 156,965
3 Claims. (Cl. 299—129)



1. In combination with a nozzle having an elongated discharge opening, a plate member disposed at one side of said opening and extending in the direction of fluid flow, a plurality of deflectors supported at one end on said plate member and positioned over said opening, said deflectors being capable of adjustment laterally to control the directional flow of fluid from the nozzle.

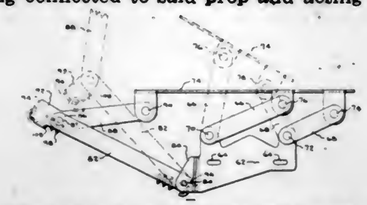
2,154,732
POST HOLE PUNCH
Edwin Dahl, Denver, Colo.
Application February 21, 1938, Serial No. 191,596
5 Claims. (Cl. 255—1)



1. A post hole punch attachment for tractors comprising: a vertical frame; means for attaching said frame to a tractor; a vertically positioned tube supported by said frame; a heavy pointed punch member adapted to be dropped within said tube; and means for elevating said punch member within said tube.

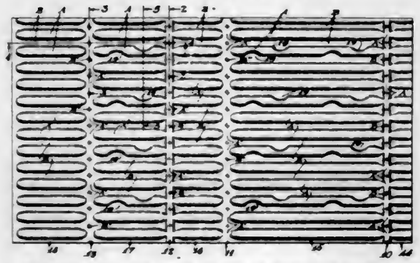
2,154,733
HINGE AND PROP STRUCTURE
Stephen De Orlow, Detroit, Mich.
Application August 30, 1937, Serial No. 161,547
3 Claims. (Cl. 217—60)

1. A prop for a hinged part in the form of a hinged linkage having the lower end pivotally connected to a fixed part and the upper end pivotally connected to a hinged part, a pivotal connection between the points of attachment of said prop with said fixed and hinged parts, and a spring connected to said prop and acting to ex-



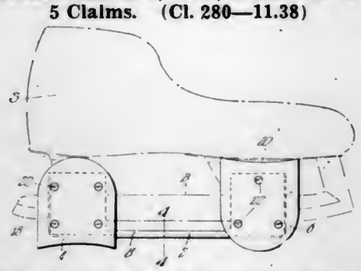
tend the same to support said hinged part in opened position, the line of action of said spring being disposed to one side of said last pivotal connection.

2,154,734
FLASHING
Warren P. Doing, Garden City, N. Y., assignor to Atlas Supply Co. Inc., Brooklyn, N. Y., a corporation of New York
Application April 18, 1938, Serial No. 202,602
8 Claims. (Cl. 72—127)



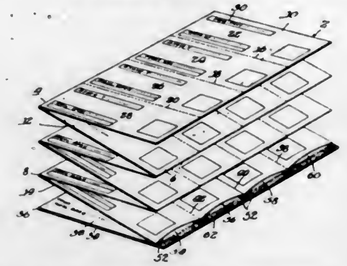
1. A through wall flashing sheet having transverse corrugations extending continuously thereacross, said corrugations being interrupted as to contour along their length by short sections of different amplitude than that of the remaining long sections connected thereby, said short corrugated sections serving as longitudinal bending zones for said flashing sheet.

2,154,735
BRACING DEVICE
Edward J. Driscoll and William L. Driscoll, West Springfield, Mass.
Application March 5, 1938, Serial No. 194,136
5 Claims. (Cl. 280—11.38)



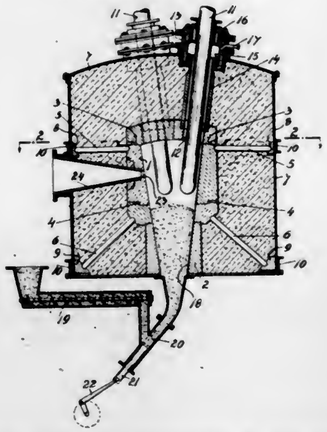
1. A bracing device for an ice skate or the like comprising in combination, a bar member of relatively rigid material having opposite end portions slotted and bent upwardly, bearing members associated with said bar member at opposite sides of the upwardly extending portions thereof and having parts projecting downwardly below the plane of the said bar member, and parts projecting upwardly above the upwardly extending portions.

2,154,736
COMBINED MANIFOLD RECORD SHEET AND ENVELOPE
John J. Endres, Riverside, Ill.
Application April 17, 1937, Serial No. 137,467
13 Claims. (Cl. 282—25)



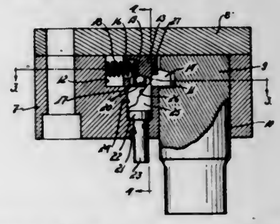
1. A manifolding device comprising a sheet folded along substantially parallel lines to provide a plurality of superimposed plies each of which is formed with a plurality of portions severable from each other along lines of severance extending transversely with respect to said parallel lines and which are in alignment in superimposed relation with the lines of severance for the other of said plies, certain adjacent plies of said sheet being connected together to form the front and back of envelopes severable from said sheet together with the portions of the manifold plies coincident therewith along said lines of severance.

2,154,737
ELECTRIC FURNACE
Konrad Erdmann, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa.
Application December 29, 1936, Serial No. 118,077
In Austria January 10, 1936
1 Claim. (Cl. 13—9)



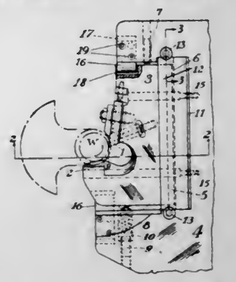
Electric furnace comprising a heating chamber made from refractory material resting on a support for taking up the weight of the chamber, an outer casing surrounding said heating chamber so as to form an intervening space between said casing and said chamber which space is filled up with heat-insulating material, individual struts being provided traversing said space and filling material to carry the thrust from the heating chamber to the outer casing, and electrodes passing through the top of the outer casing into the heating chamber through a sleeve consisting of two interfitting tubes of refractory material, the outer tube being secured to the outer casing and the inner tube inserted in the head of the heating chamber.

2,154,738
PUNCH HOLDER
W. Reuen Fisher, Frankenmuth, Mich.
Application October 19, 1934, Serial No. 749,041
Renewed March 3, 1939
2 Claims. (Cl. 279—76)



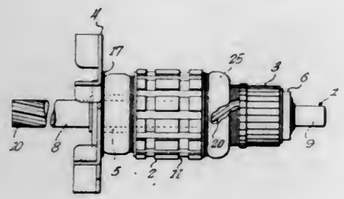
1. A device of the class described comprising a tool holder having an opening formed therein for the reception of a tool; a latch member slidably mounted on said holder and projectible, at one end, into said opening; resilient means for normally maintaining said member projected into said opening, said latch member having a beveled surface adjacent its forward end; an actuating member slidably mounted on said holder and movable axially of said opening and engaging said surface for effecting a retracting of said latch member; and a curvilinear member engageable with said actuating member, prior to engagement of the same with the said beveled surface, for effecting a partial retraction of said latch member.

2,154,739
TOOL HOLDER FOR LATHES
Frederick S. Floeter, Saginaw, Mich.
Application October 2, 1937, Serial No. 166,998
5 Claims. (Cl. 82—4)



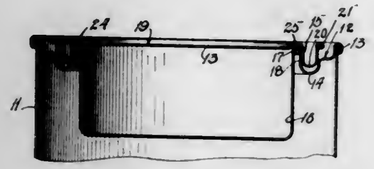
1. A lathe for turning a rotating work piece, comprising, a tool holder block having a tool and an abutment member, a longitudinal guide member on said block, a tool holder carriage having a rectilinear channel in which said guide member is received to allow the block a limited movement lengthwise of the channel, and means operable between the block and carriage and adapted to shift the block into various positions of lateral adjustment relatively to the carriage lengthwise of the work piece while maintaining the parallelism of the work-engaging edge of said tool with the axis of the work piece, and means to fix the block in such adjusted positions.

2,154,740
MOTOR ARMATURE
Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Co., Chicago, Ill., a corporation of Delaware
Application January 21, 1938, Serial No. 186,069
2 Claims. (Cl. 171—320)



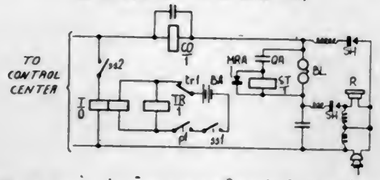
1. In a motor armature for use in a portable electric tool, a shaft, a core element and a commutator element, both fixedly secured to the shaft in axially spaced relation thereon, coils carried by the core in slots therein, and leads connecting the terminal ends of the coils to the respective commutator bars across the space between the core and the commutator elements, said leads each being composed of a substantial number of very fine flexible wires to respond to flexing of the shaft between the core and the commutator elements.

2,154,741
CAN
Jesse L. Gray, Chicago, Ill., assignor to Armstrong Paint & Varnish Works, Chicago, Ill., a corporation of Illinois
Application April 26, 1937, Serial No. 138,879
1 Claim. (Cl. 220—8)



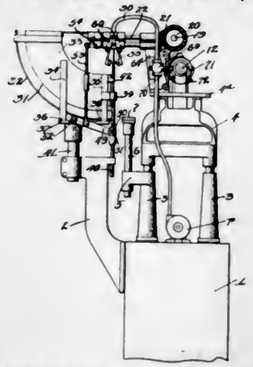
In a can of the class described, a body portion having an interior annulus secured to the top of the body and shaped to define an inwardly extending ledge of substantial width and at a substantial distance below the top of said body, said annulus being also shaped to define a U-shaped groove formed of opposed and spaced walls of unequal depth, the inner wall extending a substantial distance above said ledge and having its free end terminating in a bead, an inner tray of substantial depth and cubical capacity having an upstanding wall terminating at its free end in a curved flange resting on said bead, said curved flange terminating short of said groove a gasket seated on said flange, and a cover having an inner portion dished and bounded by a curved portion seated on said gasket and merging into a U-shaped portion entered in said groove to frictionally engage the walls thereof, said U-shaped portion having an outer annular wall terminating at its upper end substantially flush with the top of said body portion.

2,154,742
ELECTRICAL SIGNALING SYSTEM
Percy Frank Gunning, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application October 14, 1936, Serial No. 105,460
In Great Britain November 5, 1935
11 Claims. (Cl. 179—2)



1. In a power supervisory system, a power substation, a telephone line connecting said substation with a central office, a tone generating device at said substation, indicating contacts at said substation controlled by circuit breakers, means effective upon the expiration of a predetermined time interval for rendering said tone generator effective to transmit a characteristic series of tone pulses over said line for identifying said substation, and means coacting with said indicating contacts for transmitting another characteristic series of tone pulses for indicating the condition of said circuit breakers.

2,154,743
APPARATUS AND METHOD FOR CREASING BAGS
Walter F. Habas and Hans A. Bauer, Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois
Application December 31, 1937, Serial No. 182,654
16 Claims. (Cl. 93—6)



1. In an apparatus for creasing the end walls of a bag, an air pipe, a bag magazine, means for elevating the foremost bag in said magazine and telescoping the same over said air pipe, means for clamping the mouth of said bag about said pipe, means for laterally shifting the clamped bag and means for automatically controlling the flow of air through said pipe.

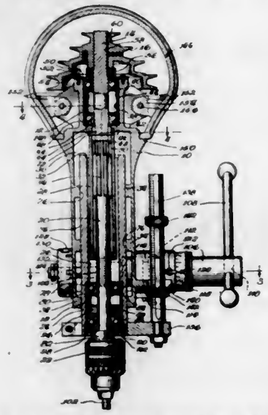
2,154,744
BLADE SHARPENER
Grant Hammond, Hamden, Conn.
Application October 29, 1935, Serial No. 47,292
3 Claims. (Cl. 76—83)

1. A blade sharpener including a supporting base having a curved seat and a groove in said seat, a sharpener piece resting on said seat, a latch located in said groove in said seat and having means for unobstructedly removably re-



taining said piece on said seat, and guides spaced apart to provide a groove to receive a blade to be sharpened and for relative sliding movement as between said piece and blade.

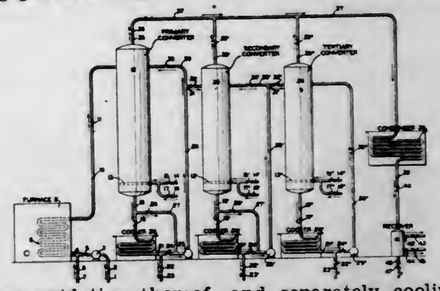
2,154,745
POWER DRIVEN TOOL
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1937, Serial No. 155,164
6 Claims. (Cl. 77—5)



1. A drill spindle comprising an elongated casing having coaxially apertured horizontal partitions therein, a quill reciprocably mounted for movement through said apertured partitions in guided relationship therewith, a spindle, sealed bearings carried by said quill and rotatably supporting said spindle at spaced points, said bearings preventing escape of lubricant therepast, a shaft rotatably supported in said casing and having a splined head closely proximate to said spindle at one limit of movement of said spindle, an internally splined sleeve, a cross-pin securing said splined sleeve to said splined head in slightly overlapped drive relationship therewith, said sleeve telescoping with and between said spindle and quill and extending to a point proximate the nearer of said sealed bearings, means for reciprocating said quill, and a pulley secured to said shaft for driving same.

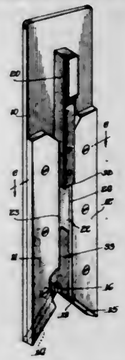
2,154,746
MANUFACTURE OF ASPHALT
Jacob Benjamin Heid, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 17, 1931, Serial No. 569,408
Renewed February 13, 1937
2 Claims. (Cl. 196—74)

1. A process for producing asphalt which comprises blowing asphaltic base oil with oxidizing gas in an oxidation zone at a temperature sufficient to oxidize such oil to asphalt, removing the asphaltic product from said zone and recovering a portion thereof, introducing another portion of said asphaltic product to a second oxidation zone and again blowing the same therein with oxidizing gas at a temperature sufficient to effect fur-



ther oxidation thereof, and separately cooling portions of the asphalt formed in the process and returning said portions to the oxidation zone from which last removed to control the temperature of oxidation therein and to blend with the oil therein undergoing oxidation to asphalt.

2,154,747
DRIVING TOOL FOR MITER FASTENERS
Arthur Chris Heyser, Chicago, Ill., assignor to Clamp Nail Company, Chicago, Ill., a corporation of Illinois
Application June 18, 1936, Serial No. 85,909
7 Claims. (Cl. 1—47)

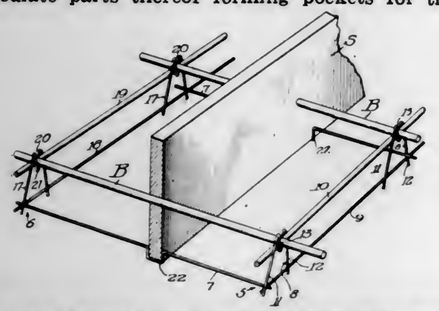


1. In a device of the character described, a body member, a longitudinally extending groove in said body member, work engaging surfaces formed at one end of said body member adjacent said groove, and a driving member operably disposed in said groove and adapted to slide longitudinally therein between predetermined limits, said driving member having a driving butt extending axially therefrom beyond the upper limits of the groove, said body member being extended on at least one side of the driving butt to form a guard plate, said guard plate having an area substantially co-extensive with the corresponding side of the butt in its extended position whereby to protect adjacent work along said side from being damaged during actuation of the butt.

2,154,748
COMBINED BAR SUPPORT AND SPACER
Bror Hillberg, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
Application October 9, 1937, Serial No. 168,184
8 Claims. (Cl. 94—8)

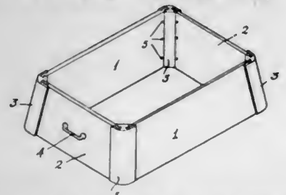
1. A combined support and spacer for parallel substantially horizontal laterally spaced bars,

comprising a spacer rod beneath and at right angles to the bars, a series of laterally spaced M-shaped chairs extending lengthwise of, and having the lower ends of the legs thereof, connected to the spacer rod, and having the intermediate parts thereof forming pockets for the



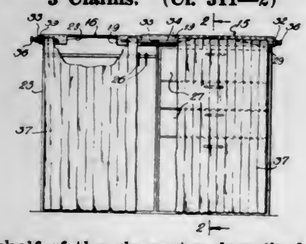
bars and bent so that the central portions thereof extend diagonally with respect to the bars and form aligned seats at the bottom portions of the pockets, and a rod over and parallel with the spacer rod fitting in and supported by the seats and serving as a rest for and to align the bars.

2,154,749
PRECISION FLASK AND JACKET
James F. Hines, Lakewood, Ohio
Application June 16, 1937, Serial No. 148,492
2 Claims. (Cl. 22—112)



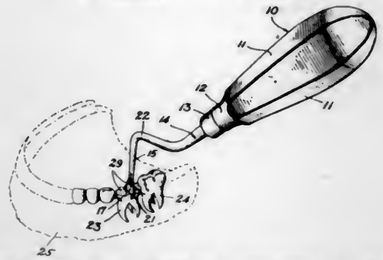
1. A method of making a mold container which comprises assembling container walls about a forming block, with ends of said walls spaced at the block corners, embracing said ends with a back spaced from said block, and casting metal into the cavity defined by said block, said back, and said wall ends.

2,154,750
TRUNK MANTLE
Florence Lee Holtzman, New York, N. Y.
Application March 31, 1936, Serial No. 71,862
3 Claims. (Cl. 311—2)



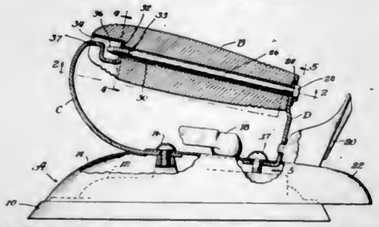
1. A shelf of the character described, comprising a pair of inverted pan-like sections each comprising a top wall with downturned marginal walls disposed respectively at the front, rear and outer end of the section, said rear and outer end walls being each provided at its lower margin with an inturned flange paralleling the top wall of the section so as to provide broad bearing surfaces for the shelf, said sections being so relatively proportioned that one may slide endwise with a snug fit within the other to form a longitudinally extensible and contractible shelf, and means for securing the sections side by side with said front walls contiguous so as to form a broad shelf, said means including a tongue projecting from said outer end wall of one of the sections and a socket member for the tongue secured to said outer end wall of the other section.

2,154,751
ORAL ROOT DIVIDER
George A. Hoskins, Chicago, Ill.
Application November 18, 1935, Serial No. 50,327
3 Claims. (Cl. 32—45)



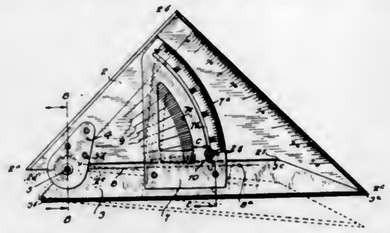
1. An oral root divider comprising a handle member, an elongated round comparatively small shank connected to said handle member and tapering into a neck of reduced diameter, and an enlarged wedging extremity flaring outwardly from said shank neck, said wedging extremity including a flat surface larger than said shank, a convex surface on the side opposite to said flat surface, and a sharp curved operating edge merging said convex and flat surfaces.

2,154,752
HANDLE STRUCTURE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 12, 1938, Serial No. 195,518
4 Claims. (Cl. 38—90)



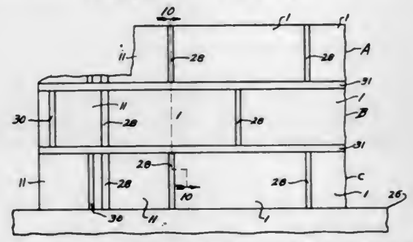
4. A handle structure for an electric appliance comprising an elongated handle, a bracket for attaching the handle to the appliance and a bolt for connecting the handle with the bracket, said bracket being bent into a substantially S shaped portion at the point of contact with the handle and provided with a threaded opening at the inner end thereof for engagement with the bolt so that the end of the bolt is concealed by the curve of the S shaped portion, and means forming a deep radial groove in the adjacent end of the handle to receive the S shaped portion of the bracket and complete the concealment of the end of said bolt.

2,154,753
DRAFTING INSTRUMENT
William J. Kallio, Detroit, Mich.
Application March 2, 1937, Serial No. 128,642
1 Claim. (Cl. 33—93)



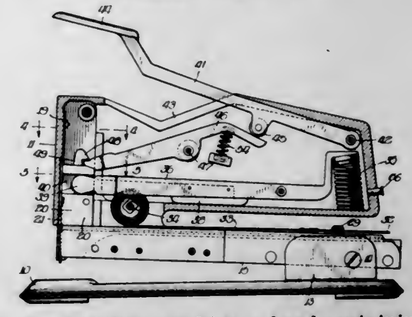
A triangle having a longer and a shorter straight edge meeting at an angle and forming two sides of the triangle and a third edge extending from the end of said shorter edge remote from its junction with said longer edge in a direction parallel to the third side of the triangle to a point spaced a relatively short distance from said longer edge and then extending to the end of said longer edge remote from its junction with said shorter edge, and a second part pivoted to the first named part adjacent to said end of said shorter edge, said second part having an inner edge adjacent and registering with the third edge of the first named part and an outer edge forming the third side of the triangle and meeting said longer edge of the first named part at said end thereof, said longer edge being provided with an angle scale with said pivot as its center said scale extending toward said end of said longer edge to a point beyond that at which the first portion of the third edge of the first named part would have cut said longer edge if extended, said second part being transparent and having a line thereon extending radially from said pivot parallel to the outer edge of said second part so that it would register with a division of said scale if extended, and means for indicating the angular distance said second part shall have turned about said pivot, said second part having a perforation therethrough in said line.

2,154,754
BUILDING BLOCK AND WALL STRUCTURE
Le Roy F. Kemp, Dearborn, Mich., assignor of one-half to Charles R. Emery, Dearborn, Mich.
Application March 30, 1937, Serial No. 133,873
6 Claims. (Cl. 72—41)



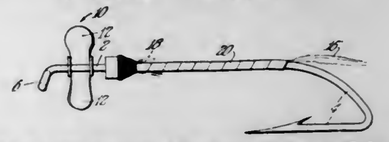
1. A hollow building block provided with a base wall portion together with oppositely disposed inclined wall portions connected with said base wall portion to provide a triangular shaped horizonal cross section for the hollow building block, said base and said oppositely disposed inclined wall portions each having substantially equal cross sectional areas, said oppositely disposed portions meeting said base portion at the outer ends of said base portion.

2,154,755
STAPLING MACHINE
Edward Krantz, Chicago, Ill., assignor to Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application November 19, 1936, Serial No. 111,630
6 Claims. (Cl. 1—3)



1. In a stapling machine, a head containing in the front portion thereof vertically movable staple driving plunger, a spring in the rear portion of the head for moving the plunger downwardly to drive a staple, a power transmitting connection in the head between the spring and the plunger, an operating lever having a handle which when depressed raises the plunger against the yielding resistance of the spring, a releasable connection between the operating lever and the plunger which includes a pivoted hook on the plunger, and means for automatically moving the hook into a disengaged position when the plunger reaches the upper end of its movement.

2,154,756
FISHING LURE
Joseph R. Kvitsky, Westfield, Mass.
Application February 9, 1938, Serial No. 189,605
4 Claims. (Cl. 43—48)

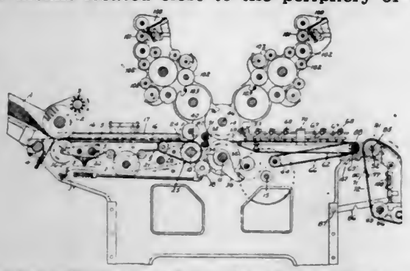


1. As a new article of manufacture, a fish lure of the class described comprising in combination, a support member including a shank and a hook at the rear end of the shank, a bearing part formed on said shank adjacent its forward end by a plurality of windings, and a spinner rotatable on said shank forwardly of said bearing part, said spinner including a pair of spaced bearing lugs which receive the shank and a pair of blades at opposite ends of the lugs, one of said lugs being angularly disposed with respect to the other.

2,154,757
PRINTING MECHANISM
Harold S. Labombarde, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of Maine
Application January 19, 1935, Serial No. 2,560
6 Claims. (Cl. 101—177)

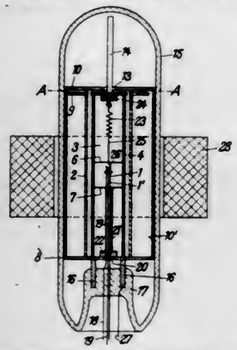
1. In a high speed printing machine, the combination with an impression cylinder of a coacting blanket cylinder to receive one or more printing images extending in circumferential arrangement about the cylinder for printing a succession

of individual blanks means for moving the respective blanks in a substantially straight line between said cylinders, each in timed registry with a printed image on the blanket cylinder, and a positively actuated continuously rotating stripper means located close to the periphery of the



blanket cylinder and beyond and above the point where the blanks are imprinted with said images and acting to engage the forward edge of the blank and force it downwardly so that the entire blank is substantially horizontal during the printing operation.

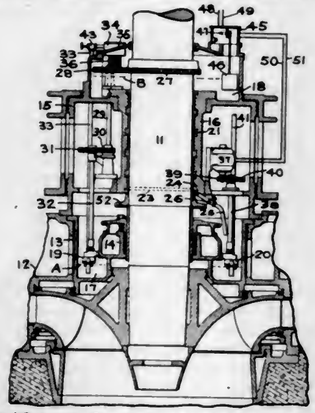
2,154,758
ELECTRONIC TUBE
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application February 26, 1936, Serial No. 65,881
In Germany February 28, 1935
13 Claims. (Cl. 250—27.5)



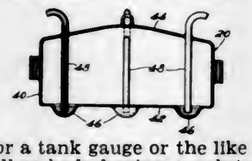
1. A magnetron tube comprising a substantially cylindrical vacuum container, means for producing a magnetic field around said container, a split anode consisting of segments and a filamentary cathode disposed in said vacuum container, parallel to the longitudinal axis thereof, tubular segmental conductors joining said segments and extending substantially in the same axial direction of said container and forming with said segments an oscillator concentric with said axis, and conductive screens limiting the discharge space between said cathode and anode.

2,154,759
BEARING FOR HYDRAULIC TURBINE SHAFTS
George K. Litsinger, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application August 7, 1937, Serial No. 157,823
2 Claims. (Cl. 308—121)

1. The combination with a rotatable shaft, of a bearing surrounding the shaft, a housing surrounding said shaft and said bearing for supporting the bearing, an oil chamber in said housing beneath said bearing and disposed in spaced relation to said shaft for containing lubricating oil from said bearing, a second chamber in said housing located above said bearing for containing a supply of lubricating oil for said bearing, a pump disposed in the lower chamber, gearing operated by said shaft when the shaft is rotated for operating said pump to force oil from the lower chamber into the upper chamber, a second pump in said lower chamber, an electric motor for operating said second pump, an electric switch device for controlling the electric circuit of said motor, a float disposed in the oil in the upper oil chamber, said float having a rod operatively associated with said motor circuit switch and operable upon a predetermined decrease in the level of the oil in the upper oil chamber for operating said switch device to close the motor circuit, and means for conducting oil from said bearing to said lower chamber so that the oil is prevented from contacting with said shaft beneath the bearing.



2,154,760
FLOAT
Frank V. Long, Los Angeles, Calif.
Application August 31, 1937, Serial No. 161,723
1 Claim. (Cl. 137—104)

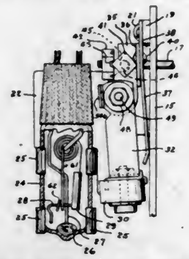


A float for a tank gauge or the like comprising a closed hollow body having a substantially flat bottom, sumps formed at spaced points in the bottom of the body and extending below the plane thereof and adapted to collect any liquid in the body, and conduits extending from the sumps to the outside of the float through the top of the body.

2,154,761
SAFETY CONTROL SWITCHING MECHANISM FOR FLUID FUEL BURNERS
Ira E. McCabe, Chicago, Ill.
Original application October 1, 1935, Serial No. 43,075. Divided and this application September 1, 1937, Serial No. 161,937
7 Claims. (Cl. 200—137)

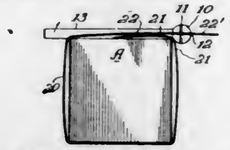
1. A switching mechanism for controlling the operation of a fluid fuel burner ignited by a flaming pilot operated by a reciprocable actuating rod

responsive to heat from the flame of the pilot to move in one direction and upon failure of said flame to move in the opposite direction, including a normally open magnetically operated switch, a magnet normally supported at an inoperative distance from said switch, and means operated by a movement of the actuating rod to bring said magnet into and out of operative rela-



tion to said switch including a spring mounting said magnet adapted to be engaged by the actuator rod upon movement away from said switch to move the magnet away from said switch against the tension of the spring, the movement of the actuating rod in the direction of the switch freeing the spring to move the magnet in operative relation to said switch.

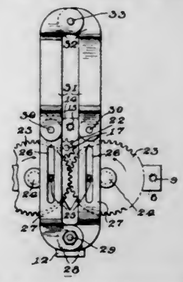
2,154,762
PACKAGE BINDING
John M. McGregor, Chicago, and Howard C. Porter, La Grange Park, Ill., assignors to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application January 16, 1936, Serial No. 59,399
3 Claims. (Cl. 254—79)



1. A package-binder-strap tensioning tool comprising a cylindrical windlass head having a roughened peripheral surface for engaging only and rolling upon the strap that encircles the package being bound and upon which the strap may be wound, said head having a peripherically opening invariable slot for receiving and anchoring one end of the strap, and a handle extending radially outward from one end of the windlass head, the outer end of said handle being substantially in line with the roughened surface of the windlass head.

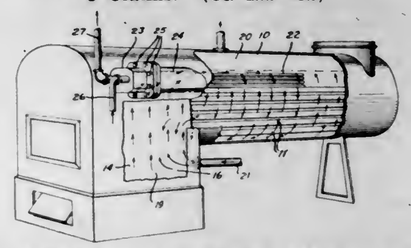
2,154,763
MECHANICAL MOVEMENT
George H. McMullen, West Chester, Pa.
Application October 18, 1937, Serial No. 169,671
9 Claims. (Cl. 74—45)

1. In a pump-actuating mechanism, the combination of a reciprocatory valve rod, a laterally contractable diamond-shaped assembly of four pivotally connected links, one of the longitudinally positioned pivotal connections being also connected to said rod and the longitudinally opposite pivotal connection being normally fixedly positioned, two of said links being provided with guideways, and a pair of intermeshing gears having studs slidably engageable with said guideways, whereby continuous rotation of said gears in opposite directions effects an alternate contraction and lateral expansion of said diamond-



shaped assembly with corresponding raising and lowering of said rod.

2,154,764
FLUID HEATER
Virgil W. Moray, Bronx, N. Y., assignor to Akwa Heaters, Inc., New York, N. Y., a corporation of New York
Application February 3, 1937, Serial No. 123,794
5 Claims. (Cl. 122—32)

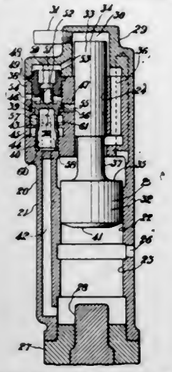


1. A boiler comprising a shell, a fire box in the shell, fire tubes in the shell at least some of which extend substantially horizontally from one end of the fire box, and an auxiliary fluid heating coil having substantially horizontally extending tubes in the shell arranged obliquely to the fire tubes and disposed substantially entirely in the zone of the horizontally extending fire tubes.

2,154,765
PERCUSSIVE TOOL
William C. Morris, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application January 8, 1938, Serial No. 183,943
2 Claims. (Cl. 121—18)

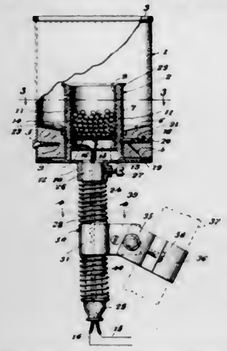
2. In a fluid actuated percussive tool, a cylinder having an exhaust port, a piston in the cylinder to control the exhaust port and having a pressure surface constantly exposed to pressure fluid for actuating the piston on its working stroke, an actuating surface on the front end of the piston of greater area than the pressure surface, a valve chest having a valve chamber, an inlet passage for conveying pressure fluid from the valve chest to the actuating surface of the piston, a valve in the valve chest having an actuating surface intermittently subjected to pressure fluid valved by the piston to shift the valve for effecting communication between the inlet passage and pressure fluid supply, an annular groove in the periphery of the valve, a vent for the valve chamber, and a pressure surface on the valve constantly exposed to pressure fluid for shifting the valve to cut off the flow of pressure fluid to the

inlet passage and to move the annular groove into position to effect communication between



the inlet passage and the vent for relieving compression from the front end of the cylinder.

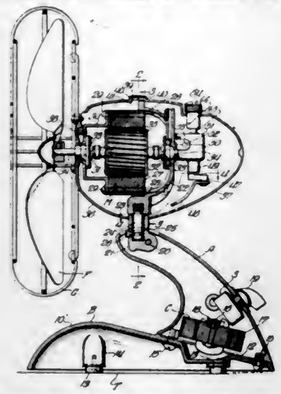
2,154,766
EMERGENCY IGNITION SWITCH
William A. Mueller, Sr., Decatur, Ill.
Application June 4, 1937, Serial No. 146,486
6 Claims. (Cl. 200—52)



3. In an emergency ignition switch, the combination of an auxiliary casing provided on its outer end with an annular outwardly extending flange, a primary casing provided with a bottom slidably mounted on said auxiliary casing, said bottom being dished on its inner face and terminating at the inner edge of said dished portion in an annular flange-receiving socket, whereby said flange on the outer end of the auxiliary casing is normally seated in said socket, said primary casing provided with contacted surfaces insulated from each other, and balls in said auxiliary casing and against said contacted surfaces.

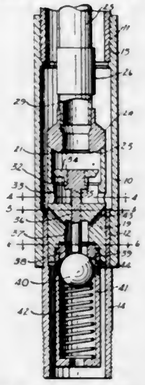
2,154,767
FAN CONSTRUCTION
Eugene Newnham, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 31, 1938, Serial No. 210,990
9 Claims. (Cl. 230—256)

1. In a fan supporting construction, a base member, a hollow supporting arm extending upwardly from the rear portion thereof, and inclined forwardly therefrom, said arm having an enlarged base, a switch and a choke coil mounted in said hollow arm base, said switch having an operating portion exterior of said arm and said base member constituting a closure for said hol-



low arm base whereby the hollow arm base and base member in conjunction with each other form a complete housing for said switch and choke coil.

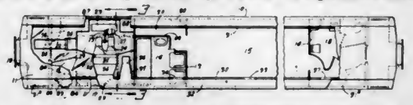
2,154,768
MEANS FOR FLOWING WELLS
Herbert C. Otis, Dallas, Tex.
Application February 14, 1935, Serial No. 6,454
12 Claims. (Cl. 103—234)



1. A well flowing apparatus comprising, a flow tubing having an oil inlet and a lifting gas inlet, a valve for controlling the oil inlet, a valve for controlling the gas inlet, said valves free from positive connection with each other and being independently movable and operable by pressure differentials, and means above the oil admitting valve and free from connection with the gas inlet valve for restricting the flow of oil past the oil inlet valve to reduce pressure differentials across said valve whereby it may be quickly opened.

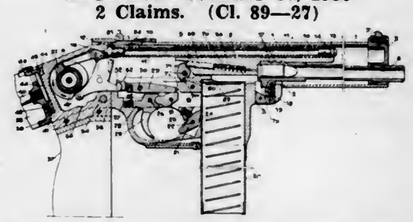
2,154,769
AIR CONDITIONING SYSTEM
Peter Parke and Frank O. Marshall, Chicago, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1935, Serial No. 26,990
12 Claims. (Cl. 257—3)

1. In a vehicle air conditioning system comprising mechanism driven by a rotating car axle and including a pump for continuously circulating a refrigerant during the cooling operation, means for circulating air in heat exchange relation with said refrigerant, a plurality of coils in said refrigerant circuit, a cooling chamber, a fresh air inlet to said chamber delivering air for precooling by one of said coils, an inlet to said chamber for recirculating air from the car interior for cooling with said precooled air by another of said coils, air heating means, and thermostatically controlled relays for regulating said cooling or heating means according to temperature requirements.



11. An air conditioning system device of the class described, comprising in combination, an ice container having a sump, a cabinet having means to recirculate air therethrough, a cooling coil in said cabinet positioned in the air path, means for continuously forcing water from said sump through said cooling coil when the system is set for car-cooling and discharging it over the ice in said container, a pre-cooling coil having an outside air inlet and means whereby a predetermined portion of water passing from said cooling coil may be caused to pass through said pre-cooling coil, means whereby the recirculated air and precooled fresh air are mixed before reaching said cooling coil, overflow means operatively connected to the outlet of said pre-cooling coil whereby the drain off of surplus water will be direct therefrom.

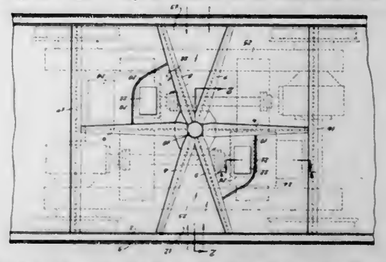
2,154,770
FIRING REGULATOR
Charles Gabriel Petter, Paris, France
Application October 20, 1937, Serial No. 170,021
In France November 30, 1936
2 Claims. (Cl. 89—27)



1. In an automatic firearm with movable breech and a revolving moderator having a cam shaped periphery, in combination, a pivoting three arm lever interposed between the breech and the moderator, the arms of said lever constituting an upper arm, a rear lower arm and a fore lower arm, and said three arm lever being adapted to receive the percussion of the breech directly upon its upper arm, a link connected to the end of said upper arm for transmitting the percussion of the breech to the moderator, the rear lower arm of the lever bearing upon the cam-shaped periphery of the moderator and a nose at the end of the fore lower arm of said lever for momentarily locking the breech.

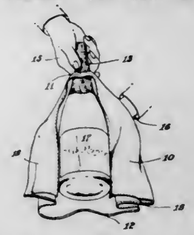
2,154,771
BODY BOLSTER CONSTRUCTION AND MOTOR VENTILATION SYSTEM
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application May 25, 1936, Serial No. 81,681
3 Claims. (Cl. 105—59)

1. In a rail car, a car body having a center bearing member, a body bolster comprising girders radiating from said member and in supporting contact with the floor of said body, a plate extending across the bottom of said girders thereby completing a box-like enclosure beneath



the body proper, said enclosure being open to the atmosphere at the side of said body to constitute an air inlet and open at points remote from said inlet to constitute an air outlet, said enclosure constituting a part of a motor ventilating system.

2,154,772
BOTTLE HOLDER AND PROTECTOR
August Rathemacher, Navesink, N. J.
Application January 30, 1937, Serial No. 123,101
1 Claim. (Cl. 215—12)

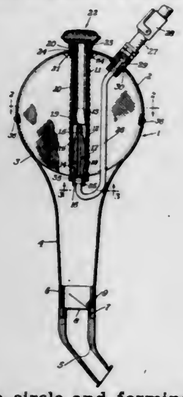


A bottle having around its neck a holder comprising a flexible sheet of fabric, said sheet being of generally semi-circular shape along an edge portion and generally straight around another edge portion connecting the ends of the first mentioned edge portion, said sheet being provided with a perforation inward of but close to said generally straight edge at about the central portion thereof, the material around the edges of said sheet and the perforation being finished to prevent the sheet edges from unraveling and becoming ragged with use, the perforation being of a size sufficient to enable only the neck of a bottle to extend therethrough whereby said sheet may be attached to a bottle around its neck and be draped around the sides and back of a bottle throughout at least the major portion of the length of a bottle and yet at the same time leave the front or label portion of the bottle exposed to view without the necessity of raising or folding the sheet transversely of the bottle as might otherwise be necessary if said perforation were not located close to said generally straight edge, and said sheet fitting around the bottle neck to prevent any moisture on the outside of the bottle from running down the outside of the neck and falling off during pouring.

2,154,773
VACUUM CLEANER
Walter Crouch Reed, North Hollywood, Calif.
Application September 8, 1936, Serial No. 99,751
6 Claims. (Cl. 183—71)

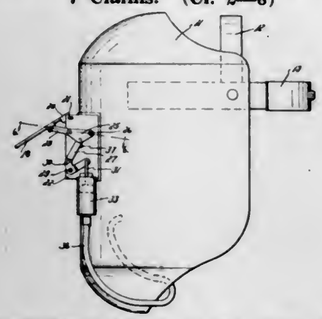
1. In a vacuum cleaner, a dust filter including

a plurality of wire filter screens, each screen when flat forming substantially a circle and having projecting ears diametrically opposite provided with a fold through the ears and diametrically across the screen, a plurality of the screens being fitted together thereby forming a series of radial screen elements with the folded portions



arranged in a circle and forming substantially a cylinder, the outwardly extending parts at their periphery forming substantial semi-circles, the assembly of screens having a covering of filter cloth over the radial portions and the central portion, the projecting ears being adapted for attachment to an injector tube and injector nozzle assembly.

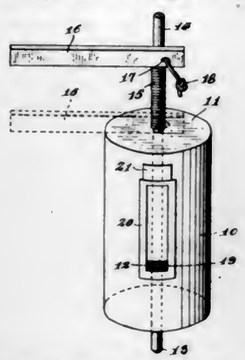
2,154,774
WELDING HOOD SHIELD
William Otto Rienacker, Detroit, and Archie L. Perrigo, Armada, Mich.
Application May 19, 1937, Serial No. 143,550
7 Claims. (Cl. 2—8)



1. A shielding device of the class described, comprising: a supporting frame; a transparent closure in said frame; a swingable frame swingably mounted on said supporting frame; a translucent closure for said swingable frame; and pneumatic means for swinging said swingable frame from one position to another including a toggle mechanism for locking said swingable frame in one position.

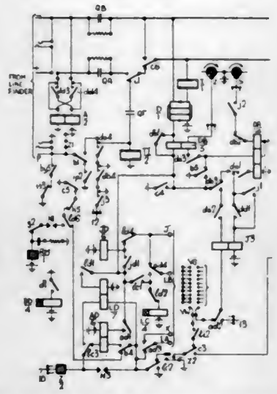
2,154,775
SIREN TOY
Jose A. Robles, Kansas City, Mo.
Application May 7, 1936, Serial No. 78,479
1 Claim. (Cl. 46—66)

A top of the character described including a hollow body member comprising side and end walls, said side wall having an elongated opening therein, one of said end wells having a top-supporting pivot member extending therefrom, a guide flange on said side wall bounding the sides of said opening and having an open end, an



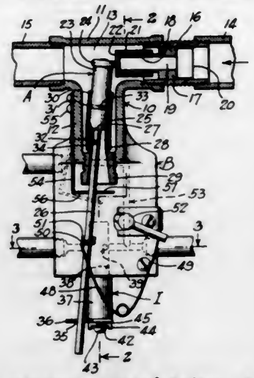
adjustable valve member slidably insertible in said guide flange through the open end thereof for varying the size of said opening, and means to effect spinning of said top for producing variable sound effects dependent upon the position of said valve relative to said opening.

2,154,776
TELEPHONE SYSTEM
Willie Saville and Austin Hugh Williams, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application November 4, 1936, Serial No. 109,072
In Great Britain December 16, 1935
22 Claims. (Cl. 179—18)



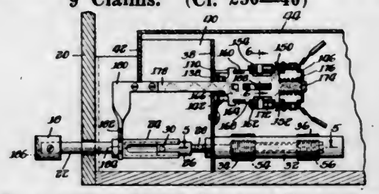
1. In an automatic telephone system, a junction line, said line having an outgoing end and an incoming end, an automatic switch associated with the incoming end of said line and adapted to be conditioned to respond to impulses transmitted thereto by way of said line, impulse registering means associated with the outgoing end of said line and operative when said line is taken for use to store a plurality of series of impulses transmitted thereto and to repeat said impulses over said line, and means for causing said impulse registering means to repeat said impulses over said line responsive to the conditioning of said switch to respond to said repeated impulses.

2,154,777
FLOW RESPONSIVE MECHANISM
Frederick W. Schlalos, Sierra Madre, Calif.
Application January 4, 1937, Serial No. 119,048
1 Claim. (Cl. 137—152)



In flow responsive mechanism, a cylindrical water inlet tube; a movably mounted actuator adapted for operative connection to an instrumentality to be actuated; and a cylindrical abutment member having one end closed, and being mounted on said inlet tube so as to be directly supported thereby for substantially rectilinear movement and in operative association with the actuator, said abutment member being of sufficiently larger diameter than the external diameter of said inlet tube, to provide a restricted annular water passage between the two by which the flow of water into the tube is caused to accurately move the abutment member irrespective of low velocity and small volume of water flow.

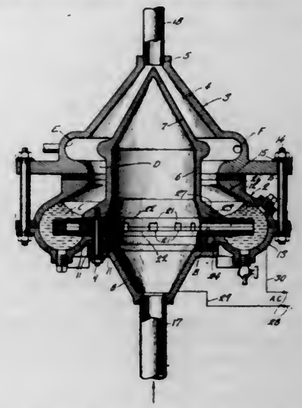
2,154,778
RADIO TUNER
William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories Inc., Chicago, Ill., a corporation of Illinois
Application June 16, 1938, Serial No. 214,007
9 Claims. (Cl. 250—40)



1. In a tuning device for a radio receiver or the like having an amplifier, a plurality of individually tuned circuits, a plurality of separate means for connecting each of said tuned circuits to said amplifier to tune the receiver to a desired station, means for selectively controlling said connecting means, and means operated by said control means for varying the tuning of a selected one of said tuned circuits.

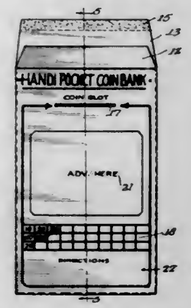
2,154,779
METHOD OF AND MEANS FOR CLASSIFYING AND SEPARATING SUSPENDED SOLIDS
Thomas Lambert Shepherd, Golden, Colo.
Application February 24, 1937, Serial No. 127,362
6 Claims. (Cl. 209—179)

2. In an apparatus for separating metals from a fluid ore pulp by amalgamation, a chamber for confining a pool of mercury, a nozzle projecting into said chamber and having its outlet at a point below the mercury level of said chamber, said nozzle having all of that portion thereof extending into said chamber and beneath the



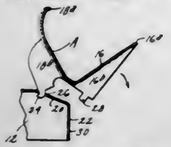
mercury level formed of a dielectric material, means for feeding fluid pulp under pressure to said nozzle, said chamber providing an electrode surface of a contacting mercury contained therein, and means providing an electrode surface for contacting said pulp prior to its admittance to said nozzle.

2,154,780
COMBINED ENVELOPE AND SAVINGS BANK
Isadore Monte Silverberg, Chicago, Ill.
Application October 21, 1938, Serial No. 236,242
5 Claims. (Cl. 229—8.5)



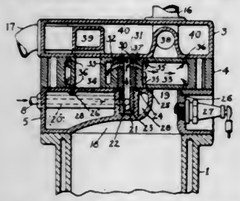
1. An envelope of the character described comprising a pocket and two closure flaps for the pocket, both of the flaps being disposed at the same open edge of the pocket, there being a receiving slot in the envelope through which an article may be inserted into the pocket when the latter is closed and sealed by a certain flap, one of the flaps being foldable over the other flap and sealed against the envelope to close the pocket and to conceal said other flap and the said slot, the said one flap being severed along its line of fold or ruptured to permit access to the pocket through the said open edge, and the said other flap being adapted to be folded over the same open edge of the pocket and sealed to close the pocket when the said one flap is severed, the said slot being exposed when the said other flap seals the pocket.

2,154,781
SADIRON CONSTRUCTION
Howard A. Smith, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Original application July 16, 1935, Serial No. 31,613. Divided and this application April 9, 1936, Serial No. 73,443
8 Claims. (Cl. 38—79)



4. In a sadiron construction, a sole plate, a shell and a rest element attached to the rear of said shell, said rest element including an upwardly extending arm, flanges on the sides thereof and extending forwardly therefrom, lugs on the lower margins of said flanges and extending downwardly and forwardly, said shell having perforations into which said lugs are hooked, said rest element having other lugs spaced from said first lugs, said shell having other perforations through which said other lugs extend, said other lugs being bent laterally to retain them in position relative to said shell and the rest element assembled on the shell.

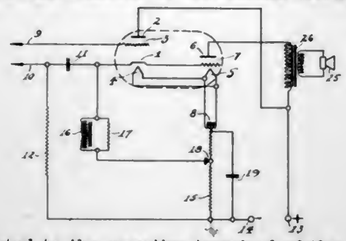
2,154,782
ROTARY VALVE AND INTERNAL COMBUSTION ENGINE CONSTRUCTION AND LUBRICATION
Aulden D. Snyder, Cleveland, Ohio, assignor of one-third to William J. Wesseler, Cleveland, Ohio
Application June 13, 1935, Serial No. 26,429
3 Claims. (Cl. 123—59)



1. An apparatus of the character described, having in combination a cylinder block, a head provided on the upper side thereof, inlet and exhaust passageways formed through said head, cooling chambers surrounding said passageways, a plurality of hollow intermeshing gear disc rotatable valves flat on each face and mounted on pins within said head, intake passageways for oil through said pins into the interior of said discs, oil discharge ports through the upper and lower surfaces of said discs, said ports being positioned to travel paths spaced from the inlet and exhaust passageways, oil return ports adjacent said passageways inwardly of the paths of travel of said oil discharge ports, a pump, and oil lines connecting said respective intake passageways and oil return ports directly with said pump.

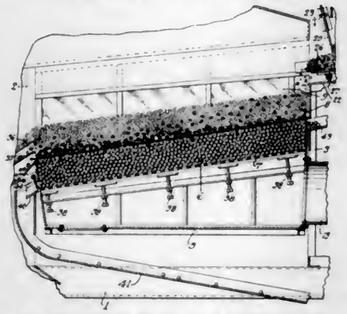
2,154,783
ELECTRICAL TRANSMISSION SYSTEM
Charles Francis Stromeyer, Mount Vernon, N. Y., assignor to Revelation Patents Holding Company, New York, N. Y., a corporation of Delaware
Application January 13, 1932, Serial No. 586,301
16 Claims. (Cl. 250—27)

1. In combination a first triode, a second triode, a short-circuit connection between the cathode of the first triode and the grid of the second triode, an envelope containing both said triodes, a load circuit for the first triode connected across the grid and cathode of the second triode, and



connected to the negative terminal of the anode supply, said circuit including in series the cathode of the first triode, a load element, and means for adjusting the normal static bias on the grids of the first and second triodes.

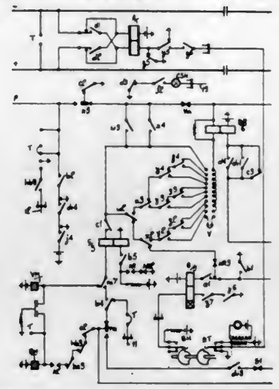
2,154,784
RESISTANCE PACK FOR GRAVITY SEPARATORS AND THE LIKE
Earl Stump, Chicago, Ill., assignor to Roberts and Schaefer Company, Chicago, Ill., a corporation of Illinois
Application September 22, 1937, Serial No. 165,128
12 Claims. (Cl. 209—486)



8. In an air separator, a fixed resistance bed over which the material is passed, means for forcing air through said resistance bed to effect separation of the material, said resistance bed being composed of a packed mass of marbles or similar objects, and means independent of the air stream flowing through the bed for producing a relative movement between adjacent marbles in the bed to prevent clogging of the interstices between the said marbles.

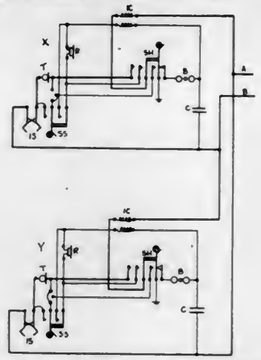
2,154,785
AUTOMATIC SWITCH FOR USE IN TELEPHONE OR LIKE SYSTEMS
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application January 30, 1936, Serial No. 61,442
In Great Britain February 8, 1935
12 Claims. (Cl. 179—18)

1. In an automatic switch, levels of bank contacts, lines terminating in said bank contacts, wipers having access to said lines by way of said contacts, means for operating said wipers in line hunting movements over a plurality of levels successively in search of an idle line, level selecting means directively controlled for operating said wipers to an initial one of said plurality of levels, means operated over the switch wipers in case all the lines in a level have been found busy for marking another level, and said



level selecting means automatically operating said switch wipers in level-hunting operations in search of the marked levels.

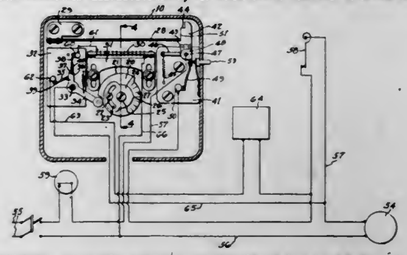
2,154,786
TELEPHONE SYSTEM
Reginald Taylor, Liverpool, England, assignor to Associated Telephone and Telegraph Company, Chicago, Ill., a corporation of Delaware
Application December 11, 1936, Serial No. 115,323
In Great Britain January 11, 1936
8 Claims. (Cl. 179—35)



1. In a telephone system, a two-party line, an outgoing circuit for said line for setting up outgoing calls from both parties on said line, a relay group in said outgoing circuit operated in accordance with the party making an outgoing call, and means in said relay group responsive to signalling current connected to said outgoing circuit for signalling either party dependent upon the operated condition of said relay group.

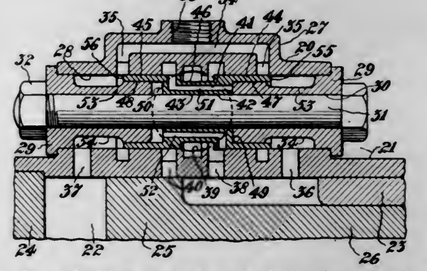
2,154,787
APPARATUS FOR DETECTING AND MAINTAINING FIRE IN A STOKER
Lawrence R. Teeple, Portland, Oreg.
Application June 18, 1935, Serial No. 27,275
6 Claims. (Cl. 236—46)

1. An apparatus of the class described consisting of a heat responsive element adapted to be inserted into a smoke stack, a switching mechanism operated by said heat responsive element, an intermittently operated time controlled switching mechanism adapted to periodically operate a stoker, said temperature controlled switching mechanism serving to render the intermittent switching mechanism inoperative when the stack temperature rises above a predetermined minimum, a second time controlled



switching mechanism controlled by said heat operated switching mechanism, said second time controlled switching mechanism serving to render the entire controls inoperative whenever the stack temperature fails to rise to a predetermined minimum within the period of operation determined by said second mentioned timing device.

2,154,788
VALVE MECHANISM FOR ROCK DRILLS
Edward F. Terry, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application June 22, 1937, Serial No. 149,555
3 Claims. (Cl. 121—28)

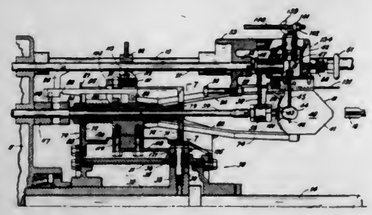


1. In a fluid actuated rock drill, the combination of a casing having a piston chamber and a piston therein, an exhaust passage for the piston chamber, a valve chest having a valve chamber, inlet passages leading from the valve chamber to the piston chamber, a valve in the valve chamber to control communication between pressure fluid supply and the inlet passages and having opposed holding surfaces subjected to pressure fluid flowing to the inlet passages for holding the valve in the limiting positions, means on the valve for controlling the exhaust passage, means on the valve chest and the valve to define pressure chambers at the ends of the valve chamber, actuating surfaces on the valve each constituting an end surface for a pressure chamber, and kicker passages within the valve to convey pressure fluid from the piston chamber to the actuating surface for moving the valve.

2,154,789
PEAR PREPARATION MACHINE
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 19, 1936, Serial No. 116,785
20 Claims. (Cl. 146—42)

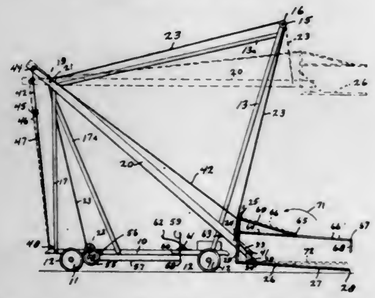
1. In a pear preparation machine, a fruit support, a coring device, reciprocable clamp means

for transferring fruit from said support into operative relation with said coring device, means mounting said clamp means for movement between respective cooperative positions relative to said fruit support and said coring device, fruit positioning means associated with said clamp means for engaging an end of fruit clamped thereby to position the fruit relative to said clamp



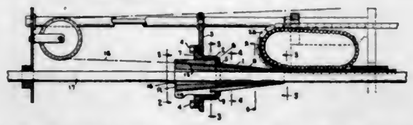
means, and an adjustable stop mounted for movement with said clamp means and cooperable with said positioning means for determining the adjusted position of said positioning means relative to said clamp means, whereby to select the desired positioning of fruit with respect to said coring device when presented thereto by said clamp and positioning means.

2,154,790
COMBINATION MOTORIZED SWEEP RAKE AND HAY STACKER
Douwe E. Van der Berg and John E. Van der Berg, Sioux Center, Iowa
Application December 24, 1937, Serial No. 181,692
5 Claims. (Cl. 214—140)



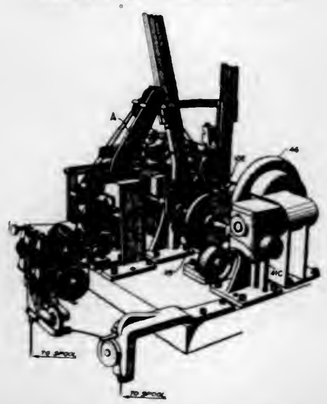
1. A combination motorized sweep rake and hay stacker comprising a motorized vehicle chassis, a forward and rearward tower attached to the chassis, a sweep rake pivoted from the rear tower, means for elevating the sweep rake, including a pair of beams pivotally attached to the rake, means for lifting the beams, including a pair of cables attached to the beams, said towers including pulleys attached thereto over which said cables pass, means for maintaining the rake in a constant horizontal plane during any elevation of the rake, including a further pair of cables attached to the rake, said beams being extended rearwardly of their pivoting points, pulleys attached at said rear extensions, a winch mounted on said vehicle adapted to reel said cables, means for locking the winch, said cables passing over said pulleys and to the winch so that the cable lengths are constant which together with the constant length between the pivoting point of the beams and the pulleys and the angularity thereof maintains the rake at a uniform horizontal level, means for releasing said winch to cause the rake to pivot as desired and at any point of elevation thereof, said rake including a covering member including a pair of side braces, outwardly extending members pivotally attached to said braces, said outwardly extending members including a plurality of spaced vertical teeth.

2,154,791
STRIP GUIDE FOR MOLDING APPARATUS
Archibald L. Wallace, Northport, N. Y.
Application September 17, 1936, Serial No. 101,209
13 Claims. (Cl. 18—6)



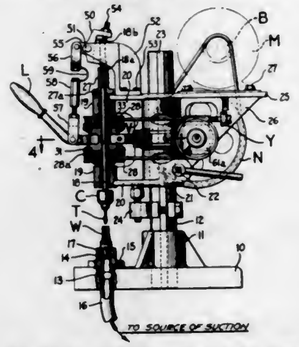
3. In a machine of the class described, such as a vulcanizing machine, and in combination, a strip-guide member having a tapering interior surface with strip channels within said surface and an interior member within the first mentioned member and having a tapered exterior surface with strip channels therein, said interior member having a central opening for passage of the work, and a plurality of complemental strips in said channels of said interior surface and exterior surface respectively, said strips being movable lengthwise to cooperate in delimiting the circumferential boundaries of said work progressively.

2,154,792
COIL WINDING MACHINE
Karl H. Weber, Toledo, Ohio
Application October 24, 1936, Serial No. 107,340
38 Claims. (Cl. 140—92.2)



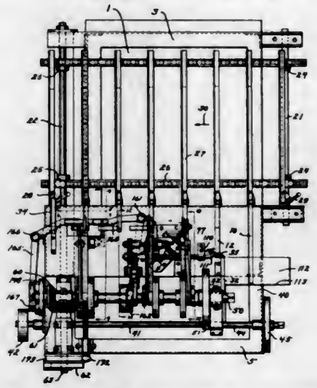
1. In a device of the class described, a revolving head piece, a tail piece cooperating with the head piece, means to allow relative axial movement between the head piece and and the tail piece, a wire form means positioned between the head piece and the tail piece and adapted to be split by the relative axial movement of the head piece and the tail piece, wire holding means cooperating with the form means and adapted to hold the leading end of the wire for predetermined intervals, cutter means cooperating with the form means to sever the trailing end of the wire, and means to position holding clips at predetermined times on the sides of the wire coil formed in the wire form.

2,154,793
THREADING MACHINE FOR INSULATOR BLANKS
Karl H. Weber, Toledo, Ohio
Application February 26, 1937, Serial No. 127,874
4 Claims. (Cl. 25—3)



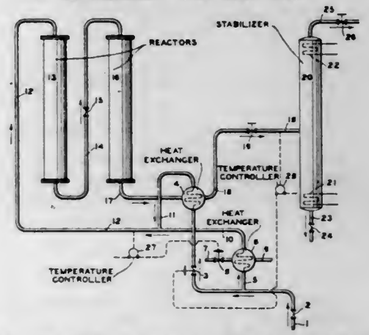
1. In a device of the class described, holder means adapted to cooperate with a work body, spindle means adapted to move in a line with the work body to advance and withdraw a work member to and from the work body, a pair of plates cooperating with the spindle means and rotating in opposite directions, means cooperating with the spindle means and the plates to reverse the rotation of the spindle means, holding means cooperating with the means to reverse the rotation of the spindle means to hold the same in a predetermined cooperative position with one of the plates, automatic means to release the holding means and to shift the means to reverse the rotation of the spindle means into cooperation with the other plate.

2,154,794
MACHINE FOR FORMING BUCKLES ON BALE TIES
Henry E. Werner, Houston, Tex., assignor, by direct and mesne assignments, to H-T Band Socket Corporation, Galveston, Tex., a corporation of Texas
Application March 5, 1937, Serial No. 129,110
13 Claims. (Cl. 140—73)



1. In a machine for forming a combination bale tie and holder from a tie of sheet metal, in combination, means for reversely bending an end of the tie to form an end portion of double thickness, means for folding said end portion across the tie to form a transversely extending portion, means for reversely bending the folded portion upon the tie and means for wrapping the transversely extending portion about the tie to form a socket for receiving the tie end.

2,154,795
CONTROLLING TEMPERATURE IN EXOTHERMIC REACTIONS
Joseph E. Westenberg, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 15, 1938, Serial No. 213,850
10 Claims. (Cl. 196—10)

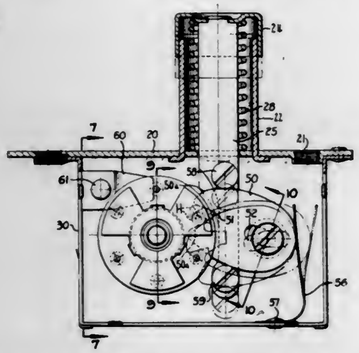


1. A method of maintaining a substantially constant temperature in a stream of reactants entering a reaction zone and maintaining an independent, substantially constant temperature in a stream of reaction products discharged from said zone, which comprises passing a portion of said reactants in indirect heat exchange with said reaction products, passing the remaining portion of said reactants in indirect heat exchange with a separate heating medium, commingling the streams of reactants discharged from said heat exchange steps, supplying the commingled stream to the reaction zone, controlling the quantity of the first named portion in response to the temperature of the reaction products discharged from the first mentioned heat exchange step, and controlling the heat supplied to said remaining portion in the second heat exchange step in response to the temperature of said commingled stream of reactants being supplied to the reaction zone.

2,154,796
SWITCH
Frederik G. Whittington, Toledo, Ohio
Application July 30, 1936, Serial No. 93,317
2 Claims. (Cl. 200—6)

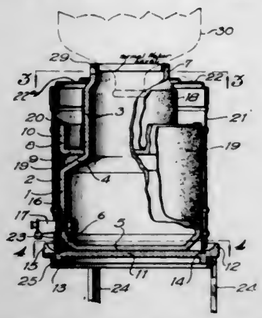
1. In a device of the class described, an enclosing case, a rotary switch member mounted within the case, contact means mounted by insulation in the case in operable juxtaposition with the switch member to selectively close extraneous circuits, resilient means to urge the switch member into engagement with the contact means, insulating means cooperating with the switch member to isolate the same electrically, rollers mounted in the insulating means in symmetrical relation, actuator means to grip the rollers consecutively and thrust them a predetermined angle of rotation and to return them to the original position by positive action, releasing means cooperating with the actuator means to break the grip of the actuator means under certain conditions, holding means to cooperate with the rollers

to actuate the releasing means to prevent reverse rotation of the switch member under influence of the actuator means after the predetermined angle of rotation has obtained, manual



means to actuate the actuator means, and resilient means to return the manual means to an initial position to allow the actuator means to grip a new roller.

2,154,797
WATER COOLER AND DISPENSER
William C. Willets, Glendale, Calif.
Application September 7, 1937, Serial No. 162,612
5 Claims. (Cl. 62—143)

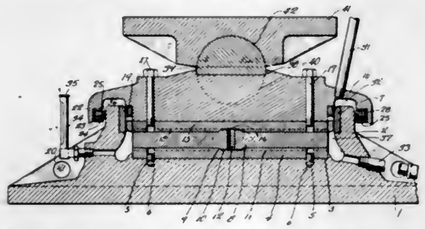


1. In a water cooler, a container including a body portion, a reduced diameter neck for said body portion, a reservoir for receiving a liquid, said reservoir surrounding said neck where it joins the upper portion of the body, a porous sleeve surrounding the reservoir and said body and means whereby said porous sleeve is adapted to communicate with the interior of said reservoir.

2,154,798
FLUID ESTER GUM COMPOSITION
Herbert A. Winkelmann, Chicago, and James P. McKenzie, Evanston, Ill., assignors to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 31, 1936, Serial No. 108,681
2 Claims. (Cl. 134—17)

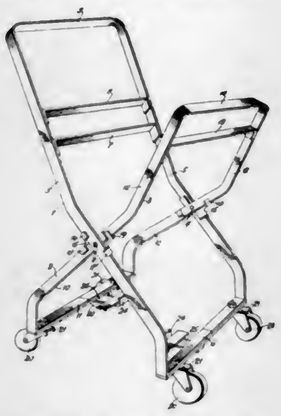
1. A fluid composition which on evaporation of its volatile liquid gives a permanently tacky adhesive, said composition consisting essentially of a dispersion in a volatile solvent of 1 part by weight of milled stabilized amorphous rubber hydrochloride and from 1 to 3 parts by weight of a fluid ester gum selected from the group consisting of alkyl and aralkyl esters of resin acids and monohydroxy alcohols.

2,154,799
TURNTABLE CENTER
Robert W. Young, Jr., Winnetka, Ill.
Application December 16, 1936, Serial No. 116,093
5 Claims. (Cl. 308—137)



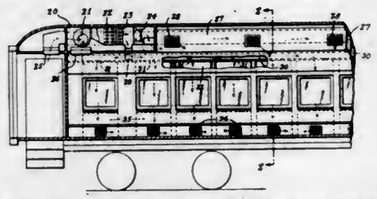
1. A turntable center comprising a horizontally disposed base having an annular upstanding flange, a bearing ring secured in a recess in the inner wall of said flange, a flat circular platform on said base surrounded by said annular flange, a flat bearing plate secured to said base, a housing above said base having a cylindrical portion telescoping within said annular upstanding flange, a bearing plate secured thereto and facing said first named bearing plate, a depending annular flange surrounding said upstanding flange, a bearing ring in the inner wall of said depending flange telescoped within said first mentioned bearing ring, an oil seal comprising a circular gasket between said depending and upstanding flanges and spring means for holding said gasket in engagement with both of said flanges.

2,154,800
BASKET CARRIAGE
Helen St. John Zumwinkel, Webster Groves, Mo.
Application September 16, 1938, Serial No. 230,174
4 Claims. (Cl. 280—41)



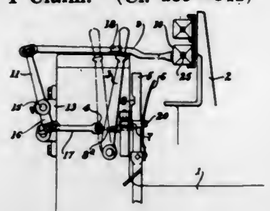
1. In a carriage of the character described, a pair of scissor frames collapsibly pivoted together near their central portion, supports on the frames above and below the pivot respectively for removable containers, and means on the frames adjacent said supports for engagement with the containers to prevent their lengthwise displacement and to hold the frames in extended position.

2,154,801
HEATING AND HUMIDIFYING SYSTEM
Samuel M. Anderson and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.
Original application February 5, 1936, Serial No. 62,470. Divided and this application June 9, 1938, Serial No. 212,742
7 Claims. (Cl. 237—28)



7. Air conditioning apparatus for a passenger vehicle having a double sash window, comprising an air conditioning unit, means for supplying air into said unit, a humidifier in said unit, an air heater in said unit between said means and said humidifier, a longitudinal distributing duct overhead the passenger space of said vehicle, for supplying heated and humidified air from said unit, means forming an air outlet passage from said unit between said heater and humidifier, a second longitudinal duct overhead said passenger space connected to said passage, and means for passing air from said second duct between the panes of said windows and then into said passenger space, at a point below said window.

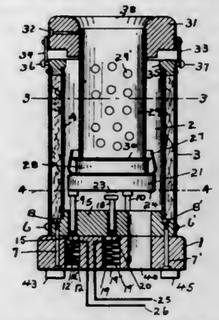
2,154,802
PROTECTION DEVICE IN LOOMS
William H. Baker, Montreal, Quebec, Canada
Application October 31, 1935, Serial No. 47,625
1 Claim. (Cl. 139—341)



In a loom in combination with a shuttle feeler bar and a brake lever, of mechanism interposed between said feeler bar and brake lever to absorb the excess thrust of said feeler bar during the actuation thereof comprising a shaft, a supporting member therefor, a cross pin on said shaft, a feeler bar connection on said shaft and movably associated with said pin, a tension device on said shaft to urge said connection against said pin, and means associated with said mechanism to transmit movement of said feeler bar to said brake lever.

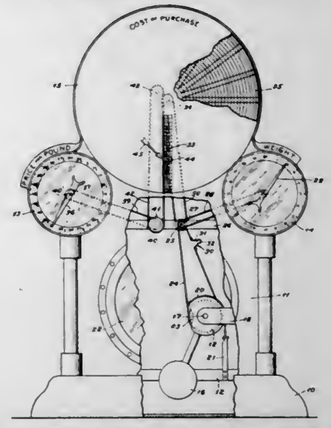
2,154,803
FUMIGATOR
Benjamin M. Bancroft, Los Angeles, Calif.
Application May 26, 1936, Serial No. 81,825
1 Claim. (Cl. 21—116)

A new article of manufacture comprising in combination, a case, a base, an electric heating unit, an electric circuit, contactors disposed in said base and forming a part of said circuit, a cap as a closure for said case, a tube in said cap arranged to provide for the escape of fumes, a bowl at the base of said tube, a combustible tablet in said bowl, and means including said



tablet for holding said contactors in operable position.

2,154,804
COMPUTING SCALE
Walter C. Berrien, San Bruno, Calif.
Application January 29, 1936, Serial No. 61,358
1 Claim. (Cl. 265—37)

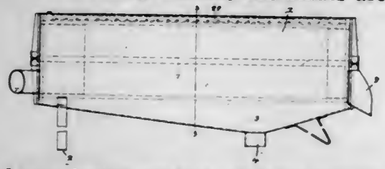


In a computing scale having weight indicating means, price indicating means, and cost of purchase indicating means, said cost of purchase indicating means having radially and concentrically arranged cost figures thereon, and said weight indicating means and cost of purchase indicating means being operatively connected by endless belts to each other and to a common actuating member; an indicator movably mounted in relation to the radial and concentric figures on the cost of purchase means; and means of connection between said indicator and the price indicating means.

2,154,805
RECOVERING AND SEPARATING APPARATUS
Harry Boucher, Shawnee, Okla., assignor of one-half to John H. Hudson, Ardmore, Okla.
Application August 25, 1936, Serial No. 97,863
1 Claim. (Cl. 210—199)

A separating and recovering apparatus of the character described, comprising a horizontally disposed generally cylindrical housing having open ends and a longitudinal portion downwardly offset to form a hopper provided with a discharge neck at its bottom, heads removably secured on

the housing for closing the ends thereof, one of said heads having an intake for admitting material under pressure into the housing and the other head having an outlet for the material, a rotatable drum mounted in said housing and extending from end to end thereof, said drum including an axial shaft rotatably supported at its ends by the removable heads of said housing, a plurality of spaced annular and longitudinally extending screen supporting members surrounding said shaft, a circular series of radial propeller blades connecting said shaft and endmost annular screen supporting member adjacent to the receiving end of the apparatus and in opposed relation to the material inlet of the adjacent head of the housing whereby the blades are im-



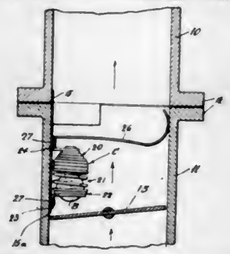
pinged upon by the material received through the inlet and the drum is thereby caused to rotate, a circular series of expeller blades similarly connecting said shaft and the endmost annular screen supporting member adjacent the head at the discharge end of the apparatus, said expeller blades acting to discharge material from the drum through the outlet in the adjacent head of the housing, a cylindrical screen supported by the annular and longitudinal supporting members with the meeting longitudinal edge portions of the screen over-lapping each other and bearing against one of the longitudinally extending supporting members, and a retaining strip engaging said over-lapped edge portions of the screen and detachably secured on the last named longitudinally extending member.

2,154,806
ICE CREAM DISPENSER
Irene L. Clave and Alfred O. Clave, St. Paul, Minn.
Application June 3, 1938, Serial No. 211,577
3 Claims. (Cl. 107—48)



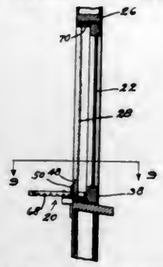
1. An ice-cream slice making device comprising a vertically disposed housing opening downwardly and the edges thereof sharpened, a hollow, elongated shank extending integrally from the upper part of said housing and a hand-hold at the upper extremity of the shank, expansible spring means within the housing and normally contacting and bearing against opposite inside walls of the housing, a reciprocable rod within said shank and one end thereof secured to said spring members, means for reciprocating said rod and spring members to move the latter out of the open end of the housing.

2,154,807
DEVICE FOR TREATING FLUIDS
Marcus M. Cory, San Diego, Calif.
Application December 7, 1935, Serial No. 53,389
25 Claims. (Cl. 48—180)



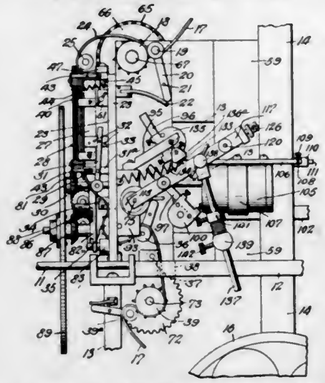
1. In combination with a conduit adapted to convey a stream of gaseous fluid and entrained particles, or the like, a mounting comprising an elongate base member adapted at one point in its length for attachment to a wall of the conduit, a rotor rotatable by the fluid stream and adapted to float on the fluid stream, a rotor confining cage adapted to confine the rotor loosely and attachable to the elongate base member at any selected position in the length of that member, and a deformable brace member mounted on the base member in spaced relation with the point of attachment of said base member to said wall and in association with the cage, said brace member extending to and bearing against an opposite wall of the conduit to press the cage and base member against the wall to which the latter is attached.

2,154,808
WINDOW ADJUSTER
John W. Cramp and George W. Dooley, San Bernardino, Calif.
Application April 9, 1937, Serial No. 135,926
4 Claims. (Cl. 292—265)



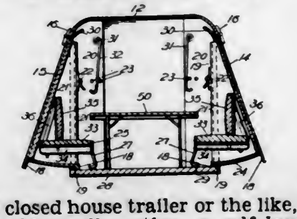
1. The combination in a swingable window, of means to adjustably vary the position of said window, said means comprising a strip of flat flexible metal, said strip of flat flexible metal being deformed whereby its top edge does not conform with a horizontal line, means to operatively secure said strip to said window, said strip of flat flexible metal being provided with variably positioned notches, a guide through which said strip may move, means in said guide to engage said notches whereby said strip may be held in locked position, said deformity in said strip being adapted to constantly urge said strip into engagement with said locking means.

2,154,809
MOTION PICTURE APPARATUS
Robert E. De Kay, Los Angeles, Calif.
Application July 13, 1936, Serial No. 90,365
4 Claims. (Cl. 88—16.8)



1. In a motion picture machine having a continuously moving film, means for producing a stationary image from the moving film image, such means comprising a mirror adapted for oscillation, and means for oscillating the mirror, such latter means comprising a rod adapted for endwise movement, an arcuate surfaced bearing member attached to the rod, a pin attached to the mirror and adapted to be actuated, an arcuate journal in the bearing member connected with the pin, a cam for moving the rod, and means for driving the cam.

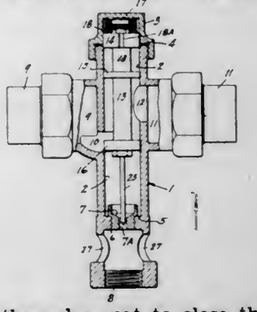
2,154,810
TRAILER
Henry Goeddertz, Denver, Colo.
Application March 29, 1937, Serial No. 133,586
2 Claims. (Cl. 296—23)



1. In a closed house trailer or the like, an angularly movable wall section, a self-leveling seat pivoted thereto, a back for the seat mounted to rotate from an upright position to a substantially horizontal position overhanging the seat, supporting means for the seat-back in its overhanging position, links pivoted on the seat at opposite ends thereof and pivoted to the seat-back, the seat-back and links being movable by rotation of the links, to a position substantially in a plane with the seat, and supports carried by the seat-back for maintaining the same at the elevation of the seat.

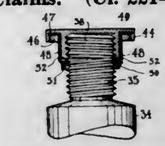
2,154,811
PRIMER VALVE
Philip S. Goss, San Francisco, Calif., assignor to The Phillips Corporation, Portland, Oreg.
Application February 12, 1937, Serial No. 125,461
2 Claims. (Cl. 182—12)

1. A primer valve consisting of a cylinder having a water inlet connected with a water supply and an outlet connected with a plumbing fixture, a plunger slidably mounted in the cylinder, a valve formed on the lower end of the plunger, a valve seat surrounding a discharge opening in the bottom of the cylinder, said valve adapted to



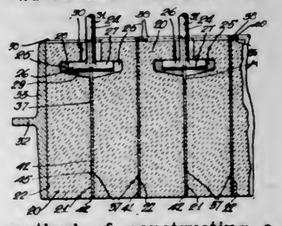
rest upon the valve seat to close the discharge opening when the plumbing fixture is closed, a cleaning pin loosely suspended from the lower end of the plunger and extending through said discharge opening.

2,154,812
QUICK ATTACHABLE PLUG AND SOCKET CONNECTOR
Adalbert Hauser, New York, N. Y.
Application April 20, 1937, Serial No. 138,014
11 Claims. (Cl. 221—60)



1. A screw connection comprising a screw plug, and a complementary socket provided with internal rigid threads to receive the plug, a unitary resilient preliminary setting piece affixed to one member located and arranged to be engaged by the threads of the complementary member prior to the mating of the threads and to retain the parts in position when thrust in place, thereby to establish preliminary engagement between the threads of said two members, so as to facilitate mating of the threads and the tightening thereof by a subsequent rotary movement.

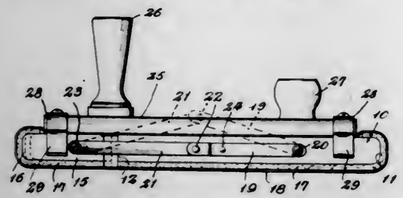
2,154,813
SUSPENDED FURNACE ROOF
Russell Pearce Heuer, Bryn Mawr, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
Application January 18, 1934, Serial No. 707,084
24 Claims. (Cl. 110—99)



1. The method of constructing a long-lived suspended roof from basic refractory bricks, which consists in hanging from above individual preformed basic refractory bricks, in interposing

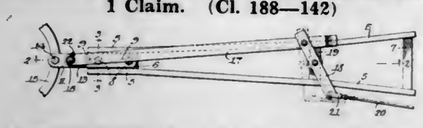
between the lateral faces of the bricks an oxidizable metal which increases its volume on oxidizing, thick enough before the roof is heated to substantially fill the space from one brick to another throughout a major portion of said space and in heating the metal in an oxidizing atmosphere to cause it to increase in volume by oxidation.

2,154,814
HAND BELT SANDING PLANE
Albert F. Hill, Big Spring, Tex.
Application May 24, 1938, Serial No. 209,764
2 Claims. (Cl. 51—187)



1. A sanding plane comprising a pair of spaced aligned sections adapted to receive a sanding belt therearound, one of said sections having dowel pins complemental to bores of the other section, link members pivotally connected upon opposite sides of one section, similar links connected to opposite sides of the other section, the links upon respective sides being pivotally connected, the links being arranged in partial overlapped relation, one of the links having a ball member adjacent its end, the other link having a socket complemental to the ball when in one position of movement of the links, a resilient pad on the face of each section for support of one reach of the sanding belt, a detachable handle for the plane, said handle consisting of a body member, fore-and-aft knob members on the body member, and spring clip arm members on the body member adapted to embrace the sides of respective sections.

2,154,815
BRAKE FOR TRAILERS
Ray Hunter, Williston, N. Dak., assignor to Francis Raymond Hunter and H. M. Farrell, as coowners in common, both of Williston, N. Dak.
Application December 30, 1937, Serial No. 182,595
1 Claim. (Cl. 188—142)



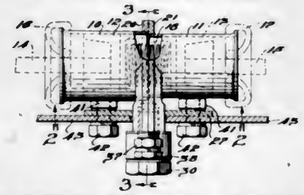
A trailer hitch adapted to be secured to trailers having braking mechanism, comprising a pair of main bars connected at their forward ends, a pair of short bars having elongated openings mounted at the forward ends of the bars, bolts extending through the elongated openings of the latter bars slidably connecting the short bars on the main bars, a pivoted transversely extending bar mounted on the main bars near the inner ends thereof, an operating bar connected with one of the short bars and having pivoted connection with the pivoted transversely extending bar, whereby movement of the operating bar operates the transversely disposed bar, and a brake cable connected to one end of the transversely disposed bar, and adapted to move to operate the brakes of the trailer when the operating bar moves rearwardly.

2,154,816
WELDING ELECTRODE FLUX
Archibald P. Johnston, Altadena, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 19, 1936, Serial No. 106,424
1 Claim. (Cl. 148—26)



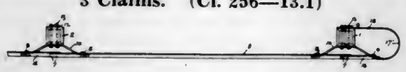
A flux for use in arc welding comprising substantially equal parts of diaspore and titanium dioxide.

2,154,817
HYDRAULIC BRAKE CYLINDER AND METHOD OF MAKING SAME
John W. Leighton, Port Huron, Mich.
Application February 13, 1936, Serial No. 63,727
7 Claims. (Cl. 29—152)



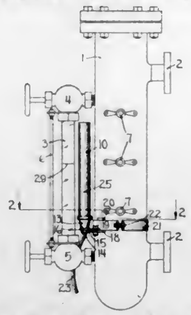
6. The method of forming a hydraulic brake cylinder assembly, which includes forming a pair of brackets having mating grooves therein which together form ducts therebetween, inserting cylinders in said brackets, surrounding said brackets with a base plate to lock the same in predetermined relative position and simultaneously welding said members together to provide a unitary structure.

2,154,818
FLEXIBLE HIGHWAY GUARD
Robert S. Mayer, Salt Lake City, Utah, assignor to The Eimco Corporation, Salt Lake City, Utah
Application July 17, 1936, Serial No. 91,074
3 Claims. (Cl. 256—13.1)



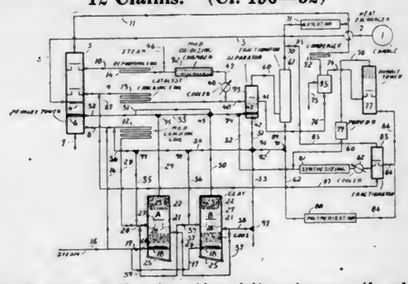
1. The combination with a support and a spring brace mounted thereon comprising oppositely extending resilient supporting arms, of a sectional guard rail, said guard rail comprising adjoining sections having overlapping ends, means permitting relative movement between said overlapping ends, and supporting loops rigid with said ends slidably mounted on said supporting arms.

2,154,819
GAUGE GLASS ILLUMINATING DEVICE
John McClain, Chicago, Ill.
Application August 22, 1936, Serial No. 97,404
8 Claims. (Cl. 73—293)



1. An illuminating device for a gauge glass, said device comprising in combination, a tubular lamp, an opaque hood therefor, said hood having a plurality of longitudinally disposed parallel slots, and means for supporting said lamp parallel to and adjacent said gauge glass, the width of the slotted portion of said hood being no greater than the outside diameter of said gauge glass.

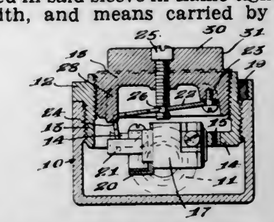
2,154,820
PROCESS FOR REFINING HYDROCARBON OILS AND DERIVATIVES
Ernest A. Ocon, New York, N. Y.
Application March 11, 1937, Serial No. 130,227
12 Claims. (Cl. 196—52)



1. A process for treating bituminous oil, which comprises injecting preheated bituminous oil into a flash zone to vaporize a substantial portion of the oil, passing hot vapors into the flash zone to increase the vaporization of the oil, subjecting a portion of the resulting residues from the oil to a steam distillation under substantially cracking conditions, filtering vapor products of said steam distillation through an adsorbent contact mass capable of eliminating deleterious coke forming substances, and using thus filtered vapors as said hot vapors in the flash zone to increase the vaporization of the bituminous oil.

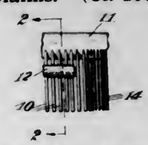
2,154,821
EXPLOSIONPROOF SWITCH HOUSING
Raymond H. Olley, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application June 30, 1937, Serial No. 151,266
7 Claims. (Cl. 200—168)

1. An explosionproof switch housing comprising a body provided with an internally threaded opening in one side thereof, a sleeve threaded into said opening, a switch mounted in the housing on said sleeve, a closure member rotatably mounted in said sleeve in flame tight relationship therewith, and means carried by said closure



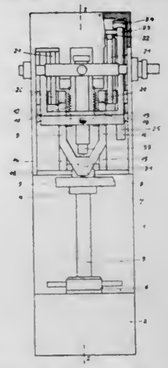
member and engageable with the actuating element of the switch to effect movement of the same to on and off positions upon rotation of said closure member.

2,154,822
WAX AND CELLULOSE ESTER COMPOSITION
Sverre Quisling, Madison, Wis.
Application February 8, 1935, Serial No. 5,619
5 Claims. (Cl. 167—88)



1. A coating composition for use on skin and hair which, when dry will not come off with water at room temperature but is easily removed with heated water, said composition in solution including cellulose acetate, an organic cellulose ester solvent with from 10 to 25 percent water and 7.5 to 18 percent salt selected from the group consisting of sodium bicarbonate, sodium citrate, sodium malate, sodium oxalate, sodium benzoate and sodium salicylate.

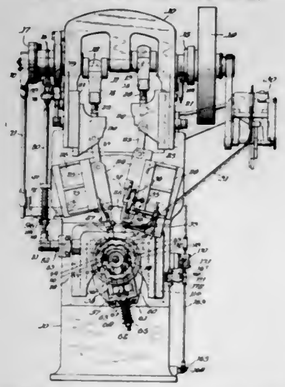
2,154,823
HARDNESS TESTING MACHINE
Georg Reicherter, Esslingen-on-the-Neckar, Germany
Application January 15, 1937, Serial No. 120,764
In Germany January 21, 1936
3 Claims. (Cl. 265—12)



1. In a statically acting hardness testing machine, the combination of a microscope, a body adapted to intrude into a sample of the material to be tested, a U-shaped member carrying on its crossbar the intruding body and being adapted

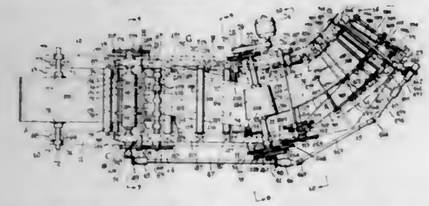
to be swung into and to be removed out of the field of vision of the microscope, the latter being arranged between the legs of the said U-shaped member; springs attached to the upper part of the machine frame and to the backside of the said member, a bifurcated drawrod drawn downwards by a suitable force, bearings formed at the free ends of the drawrod, the free ends of the said U-shaped member being held by the said springs in the said bearings of the said drawrod, a stay rotatable about a horizontal axis linked to the upper end of the said drawrod, and a lever connected with the said stay and coaxially linked to the machine frame.

2,154,824
PIERCING AND RIVETING MACHINE
Rudolph A. Skriba, Chicago, Ill., assignor to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1937, Serial No. 130,656
35 Claims. (Cl. 29—34)



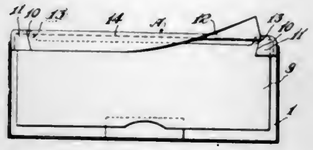
1. A piercing and riveting machine, in combination, piercing and riveting punches each mounted for reciprocating movement, means for supporting a work piece to permit indexing rotation and movement in a plane substantially parallel to the movement of the piercing punch, the magnitude of said indexing rotation being determined by the arcuate distance between said piercing and riveting punches when in operative position and said indexing rotation occurring automatically in timed relation with other operations of said machine.

2,154,825
MACHINE FOR MAKING LAMINATED CONTAINERS
Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.
Application September 18, 1936, Serial No. 101,451
41 Claims. (Cl. 93—79)



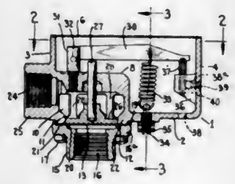
1. In a machine of the class described, a transverse cutter for severing sheets from a continuous strip, feed means for feeding the strip to the cutter, assembling means for successively assembling one upon the other a predetermined number of the severed sheets, and means for temporarily arresting the feed means after a plurality of sheets of predetermined number have been severed said means being operated by actuating means operating in synchronism with the assembling means.

2,154,826
BILLFOLD
Bernard Stember, East Orange, N. J., and Herman Weinstein, New York, N. Y., assignors to Progressive Leather Goods Co., West New York, N. J., a corporation of New Jersey
Application June 28, 1938, Serial No. 216,218
2 Claims. (Cl. 150—36)



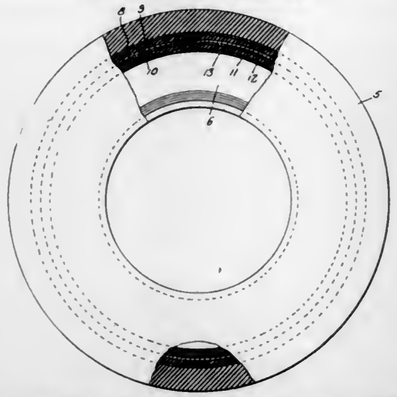
1. An article of the character described comprising inner and outer walls secured together to form a pocket between them, one of which has an integral edge portion turned inwardly with a hinge action and juxtaposed to the corresponding edge of the other wall to form a mouth for the pocket, a partition disposed between said walls dividing said pocket into two compartments and having one edge disposed between said inturned portion and secured at its ends to and between said inturned portion and the corresponding wall, the other parts of said inturned portion and said edge of said partition being free from each other, and said inturned portion forming a flap for closing and concealing the compartment between said wall and said partition.

2,154,827
PRESSURE RELIEF DEVICE
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application October 17, 1935, Serial No. 45,423
17 Claims. (Cl. 137—53)



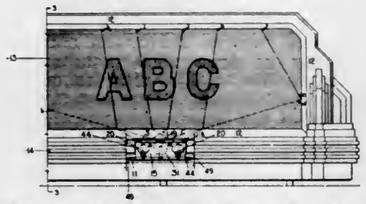
16. In a device of the character described, a pressure chamber, means movable by pressure in said chamber, swingable means in the path of movement of said means and movable therefrom, means acting to move said second means out of said path and determining the pressure in said chamber to move said first means, and means holding said second means in said path for a predetermined extent of movement of said first means.

2,154,828
INTERLINER FOR PNEUMATIC TIRES
Robert Ambuhl, Troy, N. Y.
Application October 13, 1937, Serial No. 168,802
1 Claim. (Cl. 152—204)



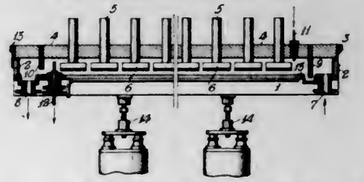
An interliner for pneumatic tires comprising an elongated flexible member for extending circumferentially around the inner walls of a tire casing between the latter and an inner tube arranged within the tire casing and of a length to be positioned twice circumferentially about the tube in overlapping relation, said member being of laminated construction and including an outer layer of tube rubber extending the full length of the member, an intermediate layer of sponge rubber of an increased thickness over the thickness of the layer of tube rubber and extending the full length of the member, an inter-layer of fabric extending approximately one-half of the length of the member, and an inner layer of tube rubber extending the full length of the member whereby the arranging of said member twice circumferentially about the tube brings the fabric layer between the wrappings of said member for extending once circumferentially entirely around the tube and with the layers of tube rubber immediately adjacent the tube and casing and the layer of sponge rubber extending approximately twice about the tube and circumferentially of the latter.

2,154,829
METHOD OF AND APPARATUS FOR ILLUMINATING A CHROMATICALLY VARIEGATED DISPLAY
Henry Armstrong, Montreal, Quebec, and Ralph S. S. Jones, Toronto, Ontario, Canada, assignors to Vibra-Lite Limited, Montreal, Quebec, Canada, a corporation of Canada
Application July 6, 1937, Serial No. 152,250
Renewed September 10, 1938
30 Claims. (Cl. 40—130)



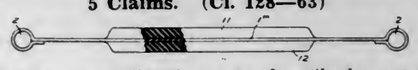
1. The method of illuminating a display surface bearing contrastingly different shades of non-neutral colours to produce varying visual impressions, which method consists in continuously transmitting radiation from a light source of line spectrum character to the display surface, which radiation contains shades of colour similar to shades of colour of the display surface and is deficient in one of the display surface and trichromatic colourimeter colours, intermittently interposing media in the radiation emitted from the said light source to reduce the apparent intensity of such radiation transmitted from the display surface to the eye of the observer, and transmitting radiation from a light source emitting a light beam containing a shade of colour which is deficient in the radiation emitted from the aforesaid light source and embodied in the display surface, to the display surface during each aforesaid period of display surface illumination intensity reduction.

2,154,830
ELECTROLYTIC CELL
Franz Bencker, Leverkusen-I. G. Werk, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application June 16, 1933, Serial No. 676,171
In Germany July 19, 1932
3 Claims. (Cl. 204—58)



1. In an electrolytic cell working with a mercury cathode, the arrangement of a level positioned iron piece selected from the group consisting of U- and I-pieces being provided with head-walls, the inner walls of the said trough being provided with a lining which protects the walls of the cell against the attack of the decomposition products of the electrolyte and at the same time serves as electric insulator, the bright iron bottom of the cell covered with mercury serving in its whole dimension as current supply of the cathode.

2,154,831
MASSAGING AND CLEANSING DEVICE
Leo Y. Booharin, San Francisco, Calif., assignor of one-sixth to Boris S. Herman, one-sixth to Charles M. Bandtell, one-sixth to Dan Leskovsky, one-sixth to B. E. Van Alstyne, and one-sixth to Leo Herman
Application December 23, 1936, Serial No. 117,355
5 Claims. (Cl. 128—63)



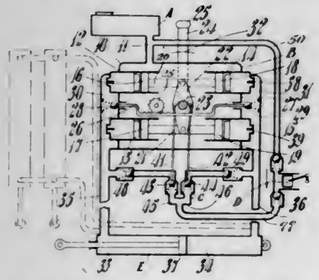
3. A device of the character described comprising an elongated belt of sheet rubber provided on one side thereof with a strip of sponge rubber partially covering said side and firmly secured thereto, said belt being of a length to extend substantially across the body of a person transversely of the body, means at opposite ends of the belt for grasping by the opposite hands of a person for supporting the belt with the sponge rubber covering against the body of said person for movement of the belt longitudinally thereof whereby the sponge rubber covering will massage and cleanse the skin during such movement, said belt being relatively elastic for stretching by the person during said movement thereof to produce a

massaging of the skin by the outer surface of the sponge rubber independently of the general directional movement of the belt across the skin.

2,154,832
HYDRAULIC CONTROLLING SYSTEM

Francis Victor Brown, London, England, assignor to Automotive Products Company Limited, London, England

Application October 14, 1935, Serial No. 45,002
In Great Britain March 16, 1935
7 Claims. (Cl. 60—52)



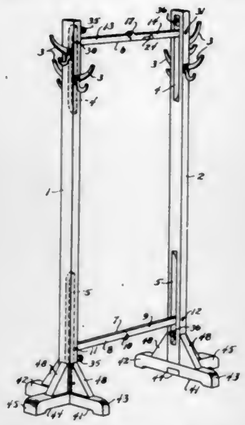
1. The combination with a double-acting, liquid pressure, remote-control piston **37** and a cylinder in which said piston is reciprocable, of a reservoir **10** adapted to supply liquid to either selected end of said cylinder, a pair of pipes **35**, **36** connecting said reservoir with the opposite ends of said cylinder, so that one pipe serves as a delivery pipe with respect to said cylinder while the other pipe simultaneously serves as an exhaust pipe to return liquid to said reservoir, means including a set of valves **28**, **29** controlling flow between said reservoir and said pipes, a second pair of pipes each of which communicates with one of said first-named pair of pipes and each of which includes a valve **43**, **44** controlling flow therethrough, mechanical means **24**, **40**, **41**, **42** for holding both said last-named valves in flow-permitting position, means for closing one of said last-named valves when said mechanical means is shifted, and means **26**, **27** movable during such a shifting or at any other time to cause movement of one of said first-named valves to a position cutting off communication between said reservoir and that particular one of said first-named pipes which has communication with that particular one of said second-named pipes whose valve is then in position permitting liquid flow therethrough.

2,154,833
COSTUMER

Rollo Burkett Curtiss, Richland, N. Y.

Application November 23, 1936, Serial No. 112,411
3 Claims. (Cl. 211—178)

1. A costumer of the class described, comprising a pair of complemental standard sections, and brace means connecting said standard sections together adjacent to the upper extremities of the latter, said brace means including a pair of arms pivotally connected together, the outer extremities of said arms being respectively connected to the standard sections, one of said brace arms being extended beyond the point of its pivotal connection with the other arm so as to extend alongside of the latter when the arms are extended into substantially horizontal alignment with each other, detent means carried by the extended portion of the first mentioned arm and projecting towards the other arm, said other arm having a depression therein for receiving said detent means, and means at the free extremity of the detent carrying extension for disengaging said detent means from said depression, whereby to enable said brace means to be collapsed and permit the standard sections to be brought together.



2,154,834
RUBBER COATED OBJECTS AND METHOD OF PRODUCTION

William W. De Lamatter, Cleveland Heights, Ohio

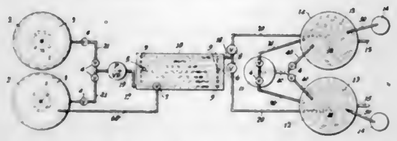
No Drawing. Application October 8, 1936, Serial No. 104,735
4 Claims. (Cl. 91—68.2)

2. A rubber adherent article comprising a ferrous metal object, a covering of zinc disposed upon the surface of said object, a covering of copper disposed upon said zinc and a covering of nickel upon said copper.

2,154,835
PROCESS OF HYDROLYZING OILS AND FATS

Gustav W. Eisenlohr, Wyoming, Ohio, assignor to The M. Werk Company, St. Bernard, Ohio, a corporation of Ohio

Application November 24, 1936, Serial No. 112,531
6 Claims. (Cl. 260—415)

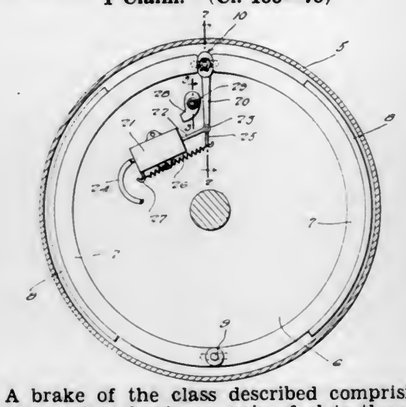


1. A process which comprises hydrolyzing instantaneously a continuously flowing stream of fatty material which comprises continuously forcing under at least 2500 pounds pressure through a reaction coil a mixture comprising water and a hydrolyzable fatty material in substantial amount but in amount substantially less than the amount of water, heating the coil by indirect heating means to a temperature which maintains the material flowing therethrough at a substantially uniform temperature in the range of 260 to 320° C., continuously flowing the hydrolyzed material from the reaction coil, condensing said material, and separating the fatty acids from the glycerin water.

2,154,836
VEHICLE WHEEL BRAKE

Roy Fike, Ravenna, Ky.

Application June 21, 1938, Serial No. 214,980
1 Claim. (Cl. 188—78)



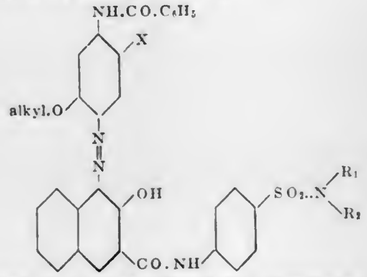
A brake of the class described comprising a backing plate having a pair of slots therein, a pair of shoes, a bolt passing through one slot and pivotally connecting one end of the shoes together, a cam located between the other ends of the shoes, a bolt passing through the cam into the other slot, a lever connected with the cam, actuating means connected with the lever for causing the cam to expand the shoes and a second cam rotatably supported by the backing plate and adapted to be adjusted against the lever to lightly apply the shoes, after which the bolts are loosened to permit the bolts to adjust themselves in the slots to equalize the pressure of the shoes on the brake drum, after which the bolts are tightened and the second cam moved out of engagement with the lever.

2,154,837
MONOAZO DYESTUFFS INSOLUBLE IN WATER

Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 1, 1937, Serial No. 162,057. In Germany September 4, 1936
5 Claims. (Cl. 260—203)

2. The water-insoluble monoazo-dyestuffs of the following general formula:



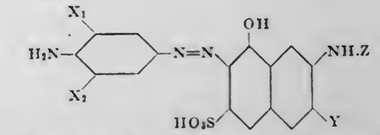
wherein R_1 and R_2 stand for members of the group consisting of hydrogen, alkyl, aryl, benzyl and hydroaromatic radicals and **X** stands for a member of the group consisting of hydrogen, alkyl, alkoxy and halogen, yielding fast violet to blue lakes and, when mixed with rubber products, violet to blue colorations of very good fastness to light and to vulcanization.

2,154,838
MONOAZO DYESTUFFS SOLUBLE IN WATER

Erich Fischer and Walter Gmelin, Bad Soden in Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 1, 1937, Serial No. 162,059. In Germany September 5, 1936
6 Claims. (Cl. 260—198)

1. The monoazo-dyestuffs of the following general formula:

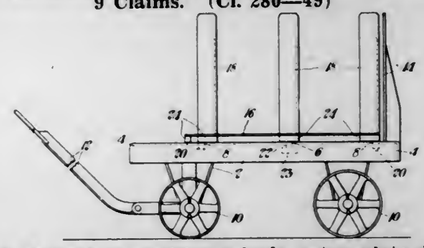


wherein X_1 stands for one of the group consisting of halogen and SO_3H, X_2 for one of the group consisting of hydrogen, halogen, alkyl, alkoxy and SO_3H, Y means a member of the group consisting of hydrogen and SO_3H, and Z a member of the group consisting of hydrogen, alkyl and a radical of the benzene series, and wherein the dyestuff contains at least two sulfonic acid groups, being brown powders, easily soluble in water, penetrating deeply into the leather and yielding brown shades.

2,154,839
TRUCK

Marvin R. Franklin, Elwood, Ind.

Application March 1, 1937, Serial No. 128,511
9 Claims. (Cl. 280—49)



9. A truck comprising a body, a top-plate disposed on said body, means for adjusting said plate on said body laterally thereof, upwardly extending means arranged on said body, and upwardly extending means arranged on said plate, said upwardly extending means on both the body and plate adapted to cooperate directly with articles placed thereon to position the same on said truck.

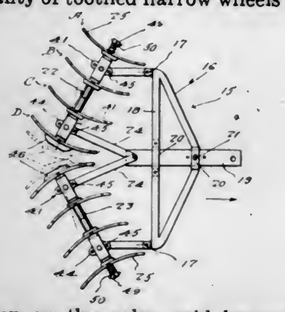
2,154,840
EARTH CONDITIONING MACHINE

Eldon T. Gard, South Bend, Ind.

Application March 11, 1937, Serial No. 130,368
3 Claims. (Cl. 55—11)

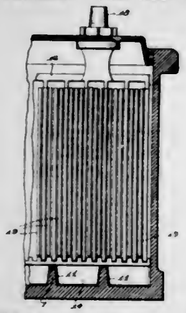
1. In a structural assemblage of the class described, a substantially U-shaped yoke embodying spaced paralled arms, the central portion of said yoke being provided with a draw-bar guide, a draw-bar adjustably mounted in said guide and disposed substantially parallel and centrally between the arm portions of the yoke, a pair of horizontally disposed bearing units swingably mounted on the free ends of the arms of said yoke, a pair of links pivotally attached to the rear end of said draw-bar, said links being disposed in adjustable rearwardly diverging relationship, horizontally disposed bearing units pivotally attached to the rear ends of said links, axles

mounted for idling rotation in said bearing units, and a plurality of toothed harrow wheels mounted



for operation on the axles, said harrow wheels being provided with teeth shaped to function for clod breaking and sod lifting purposes.

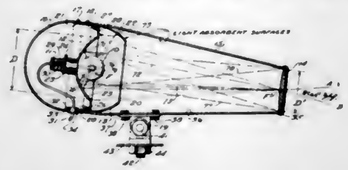
2,154,841
ELECTRIC STORAGE BATTERY
Walter Lawrence Gill, Redlands, Calif.
Application April 14, 1937, Serial No. 136,936
3 Claims. (Cl. 136—81)



1. In a battery construction, a container of rigid material having an electrolyte cell compartment formed therein of materially greater height than width, having smooth side walls, a pair of groups of telescoping positive and negative plates disposed crosswise of the electrolyte cell and a connecting strap for each group of plates, said straps extending longitudinally of the cell adjacent the top thereof and the respective groups of plates being attached to said straps, a pair of separate and independent spacing and supporting elements for the plates, each of which comprises a flat web of live rubber adapted to lie against and cover one side only of the electrolyte cell, and each of said webs carrying a plurality of integral live rubber ribs which enter between the said plates and support said plates substantially throughout their height, the upper ends of said live rubber ribs bearing against and cushioning the plate straps, the lower ends of the live rubber webs engaging a part of the battery cell to resist downward movement of said web and the ribs carried thereby, whereby the plates are insulated from each other and yieldingly cushioned throughout their height and suspended through the medium of the straps upon a live rubber cushion.

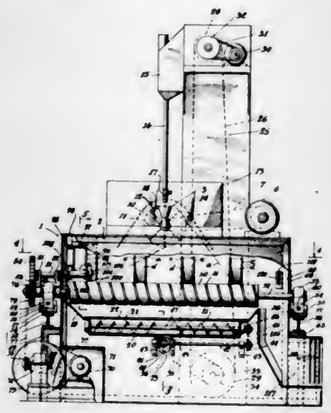
2,154,842
HEADLIGHT SYSTEM AND MEANS
Russell P. Glenn, Abilene, Tex.; J. F. Handy, executor of said Russell P. Glenn, deceased
Application September 25, 1937, Serial No. 165,741
3 Claims. (Cl. 240—41.3)

1. In a headlight for automotive vehicles, a casing open at its front, closed at its back and formed of hollow front and rear communicating endwise abutting sections, a lens at the front end of the casing, a sleeve mounted in the forward part of the rear section, extending into the rear part of the other section and abutting the inner faces of said sections, a reflector substantially in the form of a zone of a sphere within the front section and having its rear end of largest diameter, said end merging into the front end of said sleeve, said reflector curving throughout away from the inner face of said front section, a second reflector of substantially semi-elliptical cross sectional contour arranged in the said parts and



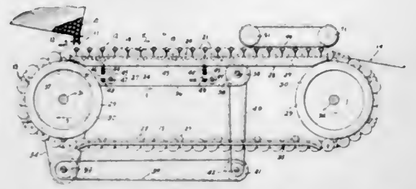
having its front formed with an upstanding circular rim of angle-shape cross section bearing against the inner face of the front part of the sleeve, said second reflector constituting a closure for the rear end of the first reflector, means for connecting said sections and sleeve together, means for connecting said front section, sleeve and second reflector together, and a light source extended forwardly from the axis of the back of the second reflector, that portion of the inner face of the casing forwardly of said sleeve, the forward face of said rim and the outer face of the first reflector respectively being provided throughout with a light absorbing surface.

2,154,843
ABRADING APPARATUS
Charles H. Hammell, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application March 21, 1936, Serial No. 70,057
17 Claims. (Cl. 51—9)



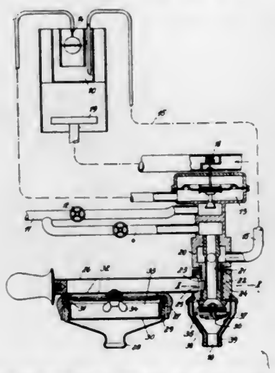
1. A machine for blast cleaning metallic articles including in combination, an abrasive throwing wheel for projecting a fan-shaped stream of abrasive having a generally elongated impingement pattern, and apparatus including spaced article supporting elements for rotating and advancing the articles in a direction generally transverse to the axis of rotation of said wheel and generally parallel to the longitudinal axis of said impingement pattern, said spaced article supporting elements being out of the range of direct fire of said abrasive stream.

2,154,844
CONVEYER CHAIN
John S. Harker, Vineland, and Le Roy C. Van Gorden, Franklinville, N. J., assignors to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application March 29, 1937, Serial No. 133,704
3 Claims. (Cl. 198—183)



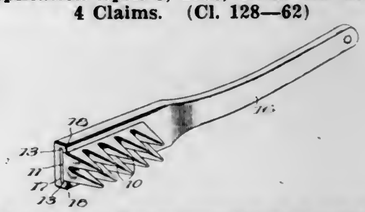
1. In a machine of the class described, an endless conveyer, a plurality of spaced transverse shafts on said conveyer, a disc fast on each of said shafts at each end thereof, a sprocket on each of said shafts intermediate the discs thereon, a continuously moving chain engaging certain of said sprockets to rotate the discs, means for driving said chain, and means for driving said conveyer.

2,154,845
COMBINED WATER BOILER AND BEVERAGE INFUSER
Georg Hegwein, Dessau, Germany, assignor to Junkers & Co. G. m. b. H., Dessau, Germany
Application February 26, 1938, Serial No. 192,859
In Germany March 1, 1937
7 Claims. (Cl. 53—3)



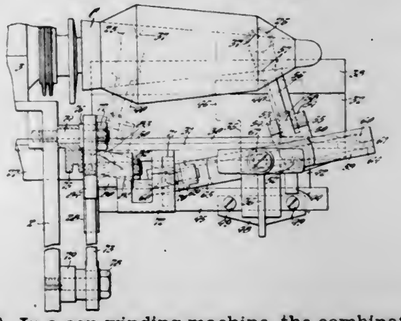
1. The combination, with a water boiler, of an infuser for making a beverage, means provided with an outlet to atmosphere for discharging water from said boiler to atmosphere, valve means operable to permit flow of water from said discharge means to said infuser, and a spring loaded safety or relief valve in said discharge means and normally closing the atmospheric outlet thereof, said safety or relief valve being opened by the pressure of the water only when the infuser is shut off or interposes excessive resistance to flow of water therethrough.

2,154,846
MASSAGE DEVICE
George H. Heymann, Louisville, and Edward D. Rose, Bowling Green, Ky.
Application April 8, 1938, Serial No. 201,004
4 Claims. (Cl. 128—62)



1. A massage device comprising a metal plate with integral cores projecting therefrom at an angle to its surface and a plurality of laterally extending tongues, a rubber covering for said cores of such thickness as to leave substantial portions of said tongues exposed, and a handle member formed with an open groove for receiving said device and retaining it by slidably interlocking with said tongues.

2,154,847
ATTACHMENT FOR WINDING TAPER ENDED PACKAGES
Earl G. Hill, Forty Fort, and Warren A. Seem, Shavertown, Pa., assignors to Georgetown Silk Company, Wilkes-Barre, Pa., a corporation of New Jersey
Application July 12, 1934, Serial No. 734,824
19 Claims. (Cl. 242—43)

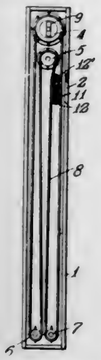


19. In a cop winding machine, the combination with a positively rotated cop holder, a swinging frame, a traverse bar mounted on said frame, a thread guiding member pivotally supported by said traverse bar, whereby said thread guiding member may recede from said holder as the cop builds up, and means operated by the receding movement of said thread guiding member for automatically shifting the angular position of said member to progressively shorten its effective stroke at one end only of the stroke as the cop increases in diameter.

2,154,848
PHONOGRAM AND MEANS FOR MOVING SAME WITH REFERENCE TO A STATIONARY NEEDLE
Jean Ionesco, Paris, France
Application July 22, 1936, Serial No. 92,000
In France July 25, 1935
4 Claims. (Cl. 274—11)

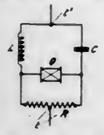
2. In a phonographic arrangement, a self contained unit including a flat box having an aperture in one of its sides, rollers mounted in said box,

an endless record strip engaged by said rollers and adapted to pass in front of said aperture, a frame, a support for carrying the said flat box and movable on the frame in a direction perpendicular to the longitudinal direction of said strip, a source of



motive power independent of said box, disconnectible means for drivingly connecting said source with at least one of said rollers, and means connecting said source of power with the support to control movement thereof on the frame.

2,154,849
CRYSTAL-STABILIZED RESONATING CIRCUITS
Leone Kamenarovic, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Societa Anonima, Milan, Italy, a corporation of Italy
Application August 7, 1937, Serial No. 157,993
In Italy August 11, 1936
10 Claims. (Cl. 178—44)



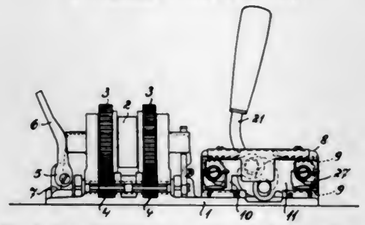
1. An oscillatory network of the two terminal type comprising an inductive element and a capacitive element, a tap of said network provided between one end of said inductive and capacitive elements, piezo-electric crystal means connected between the other end of said inductive and capacitive elements, the second tap of said network being provided at a point having the average or medium potential of said crystal means.

2,154,850
INSECTICIDE
Arthur Gustav Kaufmann, Associated, Calif., assignor, by direct and mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 3, 1937, Serial No. 162,334
16 Claims. (Cl. 167—43)

1. The process of preparing an emulsifier for hydrocarbon oils, which comprises: mixing a mono-hydroxylic benzene derivative having its hydroxyl directly attached to the benzene ring alone with an unsaturated fatty acid while at a temperature above the melting point of both, and below a temperature at which substantial volatilization or esterification occurs, to form an addition product unaccompanied by the formation of reaction products differing from the components of said mixture.

13. An emulsifiable oil comprising: a hydrocarbon oil containing from about 0.1% to 1.0% of its volume of an addition product of a mono-hydroxylic benzene derivative having its hydroxyl directly attached to the benzene ring with an unsaturated fatty acid.

2,154,851
DEVICE FOR TENSIONING METAL BINDING STRIPS FOR PACKAGES AND THE LIKE
Oscar Kind, Rodenkirchen, near Cologne, Germany
Application May 21, 1937, Serial No. 144,101
In Germany March 20, 1937
2 Claims. (Cl. 254—76)



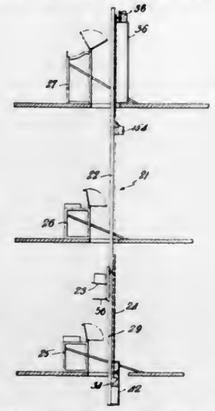
1. In a tie tensioning device including a stationary gripping member for gripping one bight of said tie and movable gripping means for gripping the opposite bight of said tie; said movable means comprising a pair of reciprocal gripping members each of which is adapted to grip and tension said second bight when said member is moved in one direction and to release said second bight when moved in the opposite direction, a rock shaft, means for rocking said shaft, one end face of said shaft being disposed adjacent both of said gripping members, diametrically opposed crank pins on said end face of said shaft, integral extensions of said gripping members, and each of said pins being operatively connected to one of said extensions whereby rocking of said shaft in one direction moves one of said gripping members in a gripping direction and rocking of said shaft in the opposite direction moves the other gripping member in the gripping direction.

2,154,852
PROCESS FOR THE OBTAINMENT OF ARTIFICIAL RUBBER
Ernst Kleiber, Lugano Via Trevano, Switzerland, assignor to Hevapar S. A., Geneva, Switzerland, a corporation of Switzerland
No Drawing. Application July 6, 1936, Serial No. 89,245. In France April 11, 1936
10 Claims. (Cl. 106—23)

1. A method of obtaining artificial rubber, which comprises treating a mineral oil with sulphur and a substance selected from the group consisting of rosin, rosin oil and pitch, at a temperature ranging between 100 and 125° C., adding sulphuric acid and subsequently hydrochloric acid, neutralizing the product thus obtained, and drying.

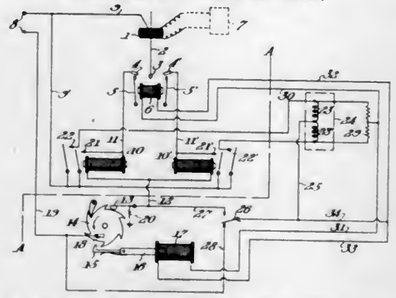
2,154,853
CONVEYER MECHANISM
Albert N. Klyver, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application March 6, 1937, Serial No. 129,398
18 Claims. (Cl. 214—113)

1. A conveyer comprising a loading station, an unloading station, a car adapted to transport loads from the loading station to the unloading station, a single track over which said car reciprocates, means causing the car to reciprocate continuously over said track past said stations, and means for loading the car as it travels past



the loading station in one direction and for unloading the car as it travels past the unloading station in the opposite direction, said loading means being set for such use by the car as it travels past the loading station in the opposite direction.

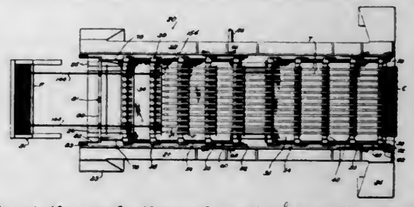
2,154,854
RELAY SYSTEM
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 23, 1936, Serial No. 112,423
11 Claims. (Cl. 172—239)



1. A relay system comprising a primary relay having magnetic contacts, an auxiliary relay in a circuit including said magnetic contacts, said auxiliary relay including a holding switch in shunt with the magnetic contacts and a load circuit switch, means energized by said load circuit switch for separating the magnetic contacts, and a pulsing device for limiting the energization of said auxiliary relay through said holding switch to not more than a predetermined interval.

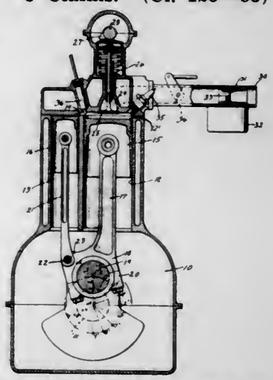
2,154,855
MACHINE FOR ASSEMBLING FINS AND TUBES
Joseph D. Lear, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application September 11, 1936, Serial No. 100,331
10 Claims. (Cl. 29—84)

2. The combination with a machine for applying fins transversely of tubes and including means to move fins lengthwise of the tubes, of means for supporting said tubes independently of said fin moving means, said supporting means comprising rods extending through said tubes and beyond the ends thereof, supports for said



rods at the ends thereof, and means for placing said rods under tension between said supports, whereby said tensioned rods may support said tubes and fins disposed thereon in resistance to the gravity load created by the mass thereof.

2,154,856
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application April 19, 1937, Serial No. 137,849
8 Claims. (Cl. 123—53)

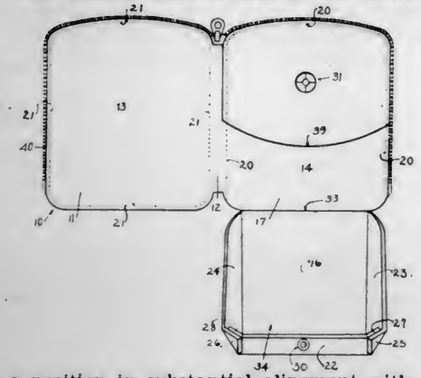


1. An internal combustion engine comprising two cylinders with a common combustion chamber connecting their upper ends, pistons reciprocable in the respective cylinders with one piston leading the other, so that there is a flow through the combustion chamber from the cylinder containing the leading piston into the other cylinder during the latter part of the compression stroke, a fuel injector directly in the path of said flow, and a spark plug located at the top of the cylinder containing the lagging piston and at a point remote from the communication between the two cylinders, whereby the leading piston provides an expanding chamber in front of the flame as the latter advances from the point of ignition.

2,154,857
BILL-COIN-KEY CASE
Charles E. Martin, New York, N. Y.
Application September 10, 1936, Serial No. 100,089
1 Claim. (Cl. 150—37)

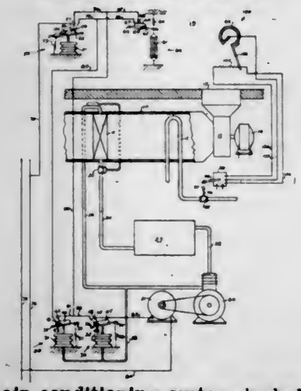
In a combined pocket case, a flexible receptacle having an open end and an inherently collapsible U-shaped coin tray integrally and pivotally secured thereto, said coin tray having a bottom and three integral pivotal walls erectable to said bottom, comprising one end wall and two integrally connected side walls, the ends of said walls adjacent to said opening stopping short of

said opening and being thereby erectable to a position perpendicular to said bottom throughout their entire length, said end wall being foldable at its pivotal edge from a position flat against the tray bottom to a position perpendicular to said bottom, said side walls having diagonally folded ends adjoining said end wall and being integral with said end wall and being thereby collapsible at their junctions with said end wall, said end wall and side walls having an element of stiffness causing said side walls to fold outwardly



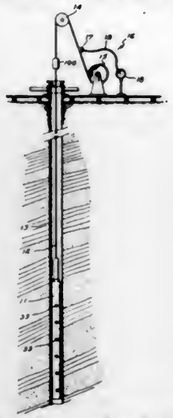
to a position in substantial alinement with the plane of said bottom simultaneously with the inward folding of said end wall, said end wall being erectable to a maintained upright position on said bottom by the inward movement of said side walls, said tray when held with its walls in said upright position and at an elevation below said receptacle being designed to receive coins sliding outwardly from said receptacle, said coins being thereby moved from a position of concealment in said receptacle to a position of full display in the entire bottom area of said tray.

2,154,858
AIR CONDITIONING SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 14, 1938, Serial No. 208,089
12 Claims. (Cl. 62—6)



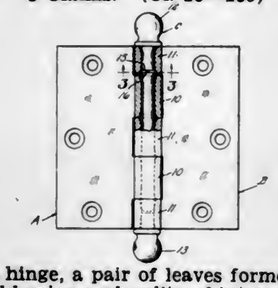
8. An air conditioning system including a refrigerating apparatus having a compressor and an evaporator, means for circulating air over the evaporator and through a space being conditioned, means responsive to the attainment of a high predetermined temperature in the space being conditioned for initiating operation of the compressor, a pair of devices responsive to different pressures on the suction side of the compressor in series with said temperature responsive means for terminating operation of the compressor when the suction pressure drops to the setting of the device responsive to the highest suction pressure, and means responsive to the attainment of a high predetermined humidity in the space for shunting out said last named device.

2,154,859
GUN PERFORATOR AND METHOD
Ira J. McCullough, Los Angeles, Calif.
Application May 19, 1936, Serial No. 80,548
28 Claims. (Cl. 164—0.5)



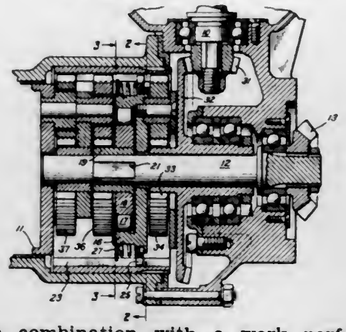
1. In a device for perforating well casings in a well, the combination of: walls forming an ignition-charge chamber; an ignition charge in said chamber; walls forming a firing-charge chamber; a firing charge in said firing-charge chamber; a cylinder having a cylinder bore and positioned for communication with said firing-charge chamber; a projectile in said cylinder bore; lighting means for lighting said ignition charge for producing a flame; and walls forming an unobstructed flame-conveying space, closed from communication with the exterior of said device, for conveying the flame to said firing-charge chamber for firing said firing charge.

2,154,860
HINGE
Walter R. Morse, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application November 11, 1936, Serial No. 110,372
3 Claims. (Cl. 16—169)



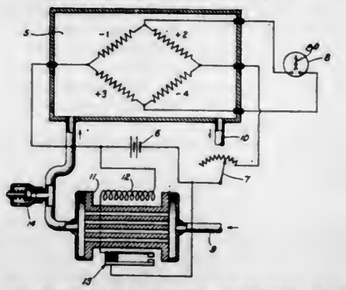
3. In a hinge, a pair of leaves formed of sheet metal and having a plurality of integral knuckles extending from adjacent edges thereof, said knuckles having aligned bores, the bore of each knuckle being convexly curved in the direction of its length, a pin receivable in the aligned bores, and spring means carried by said pin and positioned between the minimum bore diameters of adjacent knuckles and normally expanded to a greater diameter than the minimum diameter of the bore.

2,154,861
DRIVING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application April 10, 1937, Serial No. 136,192
2 Claims. (Cl. 74—7)



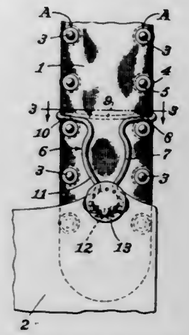
1. In combination with a work performing drive, manually operated means connecting with said drive for actuation thereof, power means, and operating connections between said power means and said drive, said operating connections including an overrunning clutch having a flanged roller race rotatable only by said power means, a series of teeth on the flange of said flanged roller race and means engageable with said teeth for rendering said power means immune from the effects of rotation of the drive whenever induced by a rotation reversing force applied to the drive itself.

2,154,862
GAS ANALYSIS APPARATUS
Dimitry E. Olshevsky, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 12, 1937, Serial No. 125,494
6 Claims. (Cl. 73—51)



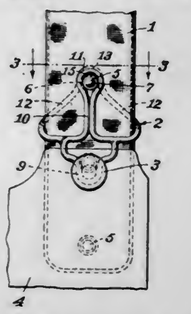
1. In an apparatus for the analysis of a gaseous mixture, a chamber adapted for gas circulation therein, a plurality of conductors of high thermal coefficient of resistivity, a plurality of conductors with low thermal coefficient of resistivity, all of said conductors being exposed to the gaseous mixture being analyzed, a source of electric current connected with said conductors whereby the conductors are heated at a predetermined rate, an electrically controlled measuring instrument responsive to the variation of the difference in resistances of each set of conductors or a function thereof, and adjustable means for adjusting and maintaining the instrument in adjustment to produce true measurements notwithstanding variations in the conditions to which the gaseous mixture may be subjected.

2,154,863
GARMENT SUPPORTER
Forrest G. Purinton, Waterbury, Conn.
Application May 27, 1937, Serial No. 145,143
7 Claims. (Cl. 241—26)



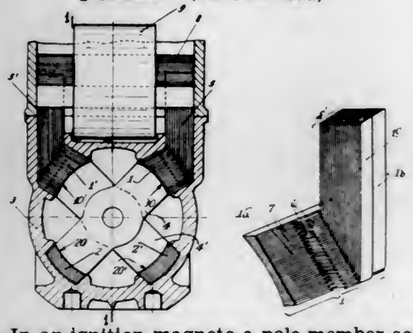
1. A garment supporter including a strap, button-engaging means slidable along said strap, diametrically opposite means fastened along the marginal edges of the strap and positioned on the front and rear faces of the strap for supporting the button-engaging means in a set position, and the means that are secured along the marginal edges arranged to support the button-engaging means both in front of the strap and to the rear of the strap.

2,154,864
GARMENT SUPPORTER
Forest G. Purinton, Waterbury, Conn.
Application May 27, 1937, Serial No. 145,144
4 Claims. (Cl. 241—26)



1. In a garment supporter, a shoulder strap, a single row of rivets extending centrally of the strap, a wire loop slidably mounted on said strap, said loop comprising a depending bail extending from the uppermost extremity of the loop and positioned to the front of the strap and a second bail to the rear of the strap to, respectively, engage a rivet at its opposite extremities.

2,154,865
IGNITION MAGNETO
Umberto Quintavalle, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy, a corporation of Italy
Application September 25, 1936, Serial No. 102,606
In Italy October 4, 1935
4 Claims. (Cl. 171—209)

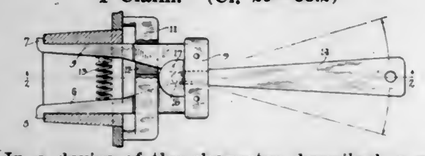


1. In an ignition magneto a pole member comprising a stack of sheets each having a portion to form a pole shoe and a tongue, said sheets being superimposed with said pole shoe portions adjacent one another and said tongues offset from one another in adjacent sheets, said tongues being bent into contact with one another to form a pole arm having a reduced thickness with respect to said pole shoe.

2,154,866
PRINTER'S INK
Heinrich Renck, Hamburg, Germany
No Drawing. Application June 3, 1936, Serial No. 83,330. In Germany October 19, 1935
1 Claim. (Cl. 134—35)

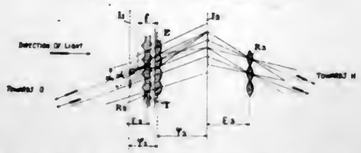
A printer's ink for printing by means of a printing plate which has amalgamated ink-repellent surfaces, said ink comprising a printer's ink with a soft amalgam of mercury and silver, said amalgam being in an amount to effect regeneration of the amalgamated ink-repellent surfaces.

2,154,867
BUSHING PULLER
James H. Robinson, Atascadero, Calif.
Application November 17, 1936, Serial No. 111,281
1 Claim. (Cl. 29—88.2)



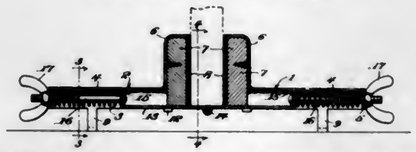
In a device of the character described, a yoke having a pair of hooked members pivoted therein, a bearing bar slidable on said hooked members and straddling said hooked members, a spring positioned between said hooked members to cause the free end of said hooked members to normally spread apart, an operative handle having an offset head comprising an enlarged part and a reduced part, said reduced part extending between said hooked members and the enlarged part engaging said yoke and said bar, the portion of the enlarged part engaging said yoke being flat, whereby when said handle is moved about its fulcrum point, a camming action will spread said yoke and said bar away from each other.

2,154,868
SCREEN FOR THE PROJECTION OF IMAGES IN RELIEF
Anne Henri Jacques de Lassus Saint Genies, Versailles, France
Application September 19, 1936, Serial No. 101,654
In France September 24, 1935
7 Claims. (Cl. 88—24)



1. A transparent screen system for use in association with an optical projecting device for producing a picture in relief of a three-dimensional primary subject or a photograph recorded on a lenticular film, which system comprises an unpolished translucent surface, a lenticular system, arranged on the side of said unpolished surface facing the projecting device, the said lenticular system comprising in cooperating relationship convergent and divergent networks, each consisting of a large number of small lenses, for forming on said unpolished surface real, substantially contiguous images of the exit pupil of the projecting objective, and a lenticular network consisting of a large number of small convergent lenses of short focal length arranged at the focal distance of its lenses on the side of said unpolished surface facing the observers.

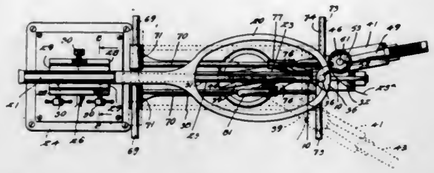
2,154,869
DOOR HOLDER
William R. Sampson, Chester, Md.
Application July 31, 1936, Serial No. 93,705
Renewed September 16, 1938
2 Claims. (Cl. 144—296)



1. A door holder comprising oppositely extending channel members, legs for supporting said members, a hingedly connected sectional plate slidably secured to said members, jaw elements carried by said members to receive therebetween a door, the latter resting upon the sectional plate above the hinge, bearing blocks secured to said jaw elements, corrugated yieldable faces secured to said bearing blocks to contact the door, bolts secured to said plate and extending through the members, nuts threaded on said bolts bearing against said members, coil springs interposed between said members and the plate and surrounding the bolts.

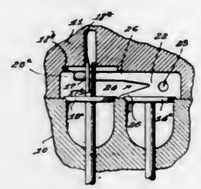
2,154,870
APPARATUS FOR STRINGING TENNIS RACKETS
Edmundo H. Serrano, St. Louis, Mo.
Application June 10, 1936, Serial No. 84,572
4 Claims. (Cl. 273—73)

1. In the stringing of tennis rackets, wherein a string tensioning device is adapted to have a string coiled therearound to exert a pulling force on a string threaded through a tennis racket and to be uneffective during continued movement after the string has received the desired tension, and wherein a tensioned portion of the string is held under tension while the tensioning device is being engaged with another portion of the string and wherein means is provided for holding the tensioning device against movement, a tensioning device including a handle having a



disk at one end, a rubber covered cylinder supported on the disk and about which the string is adapted to be coiled, a friction device within the cylinder and associated with the disk, and means for variably tensioning the friction devices whereby a predetermined tension may be applied to the string.

2,154,871
VALVE AND COOLING MEANS THEREFOR
Raymond C. Schlorf, Chicago, Ill.
Application May 18, 1937, Serial No. 143,375
20 Claims. (Cl. 123—191)



1. An internal combustion engine, the combination with a cylinder, its combustion chamber and inlet and exhaust valves; of baffle means in said chamber and interposed between the inlet valve and cylinder whereby to direct relatively cool incoming inlet valve controlled gases over the exhaust valve to cool the same, said exhaust valve having heat radiating means within said combustion chamber interposed in the path of said incoming gases, a wall of said combustion chamber providing a receiving recess for at least a portion of said valve-carried heat radiating means whereby said wall will absorb heat from said valve through said heat radiating means, and said baffle having an opening opposite said inlet valve and communicating with the portion of said combustion chamber above said cylinder.

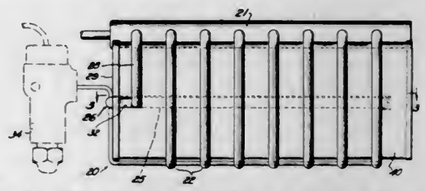
2,154,872
ADHESIVE FOR LINOLEUM AND THE LIKE FLOOR COVERINGS
Curt Schülein, Bopfingen, Wurttemberg, Germany
No Drawing. Application November 24, 1937, Serial No. 176,389. In Germany August 27, 1935
6 Claims. (Cl. 134—23.7)

1. An adhesive for linoleum floor coverings and the like comprising a spreadable mass containing a mixture of soft resin and hard resin, both in alcoholic solution, and in addition an alkali resin soap, and finely divided mineral substances.

2,154,873
PRODUCT FOR TREATING BITUMENS
Orvall Smiley, Springfield, Ill.
No Drawing. Application October 23, 1936, Serial No. 107,299
3 Claims. (Cl. 134—1)

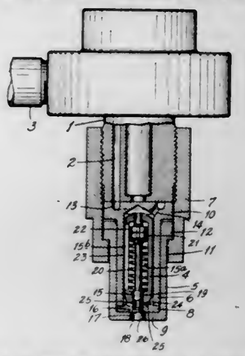
1. A product for application to bitumens to effect the retention of the original acidity thereof and act as a reducing agent inhibiting oxidation of the same comprising a fatty residual pitch in the amount of 20 pounds, a water soluble detergent hymolal salt of the sulphuric ester fatty alcohols in the amount of 25 grams, and a mutual solvent for the salt and pitch in the amount of 300 pounds.

2,154,874
REFRIGERATION APPARATUS
Lawrence C. Smith, Kenmore, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application October 2, 1936, Serial No. 103,700
12 Claims. (Cl. 62—126)



8. An evaporator comprising a suction header, a plurality of ducts of tubular formation communicating with said header, said ducts being each formed with transversely aligned holes, an independent feed tube passed through the holes of the ducts, means for sealing the tube to each of the ducts at the points of entry and exit through the holes, and a plurality of ports in said tube, each of said ports being disposed to lie within the confines of the bore of one of the ducts.

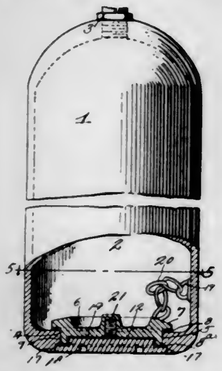
2,154,875
FUEL INJECTOR
Raymond D. Streby, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application May 24, 1937, Serial No. 144,356
8 Claims. (Cl. 299—107.6)



1. A fuel injector having a bore provided adjacent to its outer end with an outwardly opening valve seat, and an outwardly opening valve cooperating with said seat and having a cylindrical axial extension on its inner end slidably supported in said bore, said cylindrical extension

having an annular groove therein cooperating with said bore to form a relatively wide annular chamber, said injector having a passageway leading to said annular chamber for supplying fuel thereto, the portion of said cylindrical extension between said valve and said annular groove being of less diameter than said bore and cooperating therewith to form a relatively narrow annular passageway that communicates with said relatively wide annular chamber and is adapted during the opening movement of said valve to throttle the fuel discharge until said annular groove enters said valve seat and places said relatively wide annular chamber in direct communication therewith.

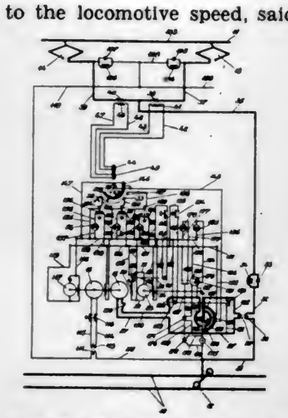
2,154,876
CONVERTER
Albert T. Thompson, New Orleans, La.
Application March 31, 1937, Serial No. 134,192
2 Claims. (Cl. 220—29)



1. A receptacle filling opening closure, said closure comprising an inner cover plate, an outer cover plate, a reduced portion carried by the inner cover plate and extending into the filling opening, a gasket interposed between the inner cover plate and the adjacent portion of the cylinder around the filling opening, an outer plate disposed in a counterbore around the filling opening at the outer side thereof and a cylindrical threaded portion carried by the outer plate and threaded into a chamber in the outer side of the inner cover plate.

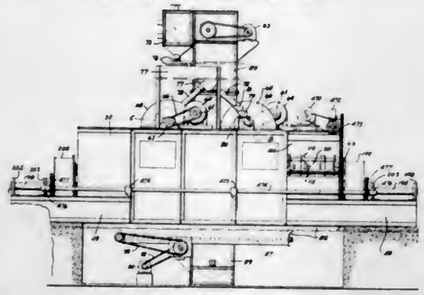
2,154,877
RAILWAY SIGNALING DEVICE
Raymond Arthur Tuot, Strasbourg, France, assignor of one-half to Société Auxiliaire d'Etudes Electrochniques, Strasbourg, France, and one-half to Société Suisse d'Electricté et de Traction, Basel, Switzerland
Application March 17, 1938, Serial No. 196,518
In Switzerland April 21, 1937
3 Claims. (Cl. 246—67)

1. A signaling apparatus for electric railways employing the track rails as part of a signaling circuit, comprising an insulated conductor along the track, means on the track for establishing electrical connection between said rails and insulated conductor, collectors disposed on locomotives running on said track rails and making contact with said conductor, a signal indicating device, an alternating current generator of constant frequency for actuating the indicating device over said collectors, and a direct current dynamo supplying an electromotive force proportional to the locomotive speed, said dynamo



energizing the field of said alternating current generator.

2,154,878
APPARATUS FOR ABRASIVELY TREATING METALLIC OBJECTS
David C. Turnbull, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application June 17, 1936, Serial No. 85,645
Renewed November 19, 1938
18 Claims. (Cl. 51—9)

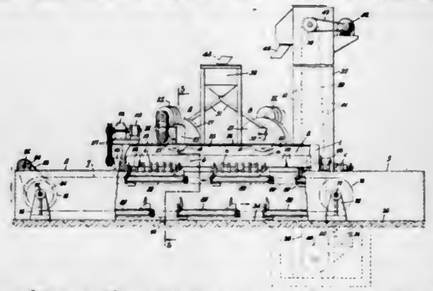


1. Apparatus for abrasively treating metal articles including, means for projecting a stream of abrasive particles, and conveyor means for transporting an article to be treated through said stream, said conveyor means including a plurality of cradle members, means mounting said cradle members for rotation about a common axis, means for actuating said cradle members to successively engage said article, means actuating one or more of said cradle members to advance said article in a generally horizontal direction through the stream, and means actuating one or more of said cradle elements to turn said article in the stream.

2,154,879
APPARATUS FOR TREATING METAL ARTICLES
David C. Turnbull, Mishawaka, Ind., assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application July 14, 1936, Serial No. 90,476
21 Claims. (Cl. 51—9)

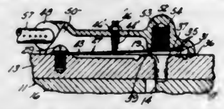
5. Apparatus for treating metal articles including, means for projecting a stream of abrasive particles, an article-supporting carriage, a pair of spaced endless driving means supporting one end of the carriage, a pair of spaced tracks

supporting the opposite end of the carriage, and means for actuating said endless driving means



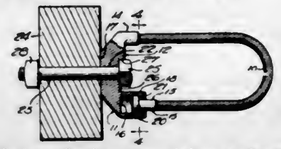
to advance the article supported on said carriage through said stream.

2,154,880
VALVE
Ernest Twigg, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application December 24, 1935, Serial No. 56,074
8 Claims. (Cl. 251—119)



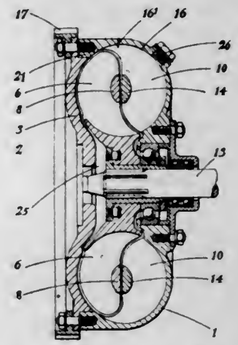
4. A pressure actuated valve comprising a substantially flat resilient strip rigidly supported at one end, said strip being adapted to be flexed into opening and closing engagement with a port to control the flow of gas therethrough, a yieldable means arranged to urge said strip into closing engagement, a member between said port and the rigidly supported end engageable with said strip in opposed relation to the yieldable means, and means to adjust said member relative to the strip whereby the strip will be deformed a predetermined but adjustable extent during its closing movement and quietly flexed into closed position with a combined swinging and sliding motion.

2,154,881
INSULATOR CLEVIS
Millard W. Wertman, Allentown, Pa., assignor to Utilities Service Company, Allentown, Pa., a corporation of Pennsylvania
Application November 24, 1936, Serial No. 112,579
2 Claims. (Cl. 174—207)



1. An insulator clevis comprising a flexible normally substantially U-shaped body and a yoke formed of complementary members, one of said complementary members forming the body of the yoke and having an opening therethrough arranged longitudinally with respect to the line of pull on the clevis to receive a headed fastening element, said complementary member being provided with a substantially flat bearing surface facing away from said flexible member, said complementary member being provided at opposite ends with arms integral therewith arranged parallel to each other and extending toward said flexible member, one of said arms forming a stud to the free end of which one end of said flexible member is connected, the other arm forming a socket detachably receiving the other complementary member to which the other end of said flexible member is connected, said stud and the second named complementary member, when the latter is arranged in said socket, being spaced apart a distance substantially equal to the distance between the opposite sides of said flexible member and a greater than the width of the head of said fastening element.

2,154,882
HYDRAULIC POWER TRANSMISSION DEVICE
Joseph Yoxall, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England, a British company
Application June 27, 1936, Serial No. 87,792
In Great Britain August 2, 1935
8 Claims. (Cl. 60—54)

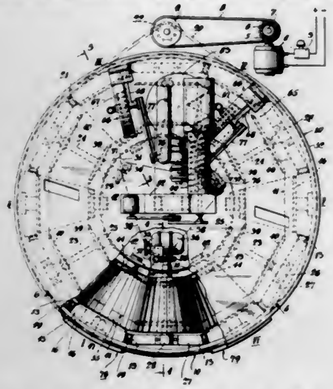


1. Hydraulic coupling comprising a primary element, and a secondary element, said secondary element comprising a hub member, a plurality of substantially helically formed blades radiating from said hub member and inclined to the hub axis, said primary element comprising a casing and a plurality of webs formed upon an end wall of said casing upon the inner peripheral surface thereof, alternate webs of the primary element being cut back near their inner radial ends, the relative number and disposition of said webs and said blades being such that when the secondary element is in operative position within said casing and in certain relative angular positions of said elements, at least one of said webs frames a blade with slight clearance along only one radial edge of said blade and along at least part of its tip and at least one of said blades is completely unframed by a web.

2,154,883
TUMBLING MILL
Otto E. Zahn, Mishawaka, Ind., assignor to American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware
Application July 14, 1938, Serial No. 219,127
16 Claims. (Cl. 51—9)

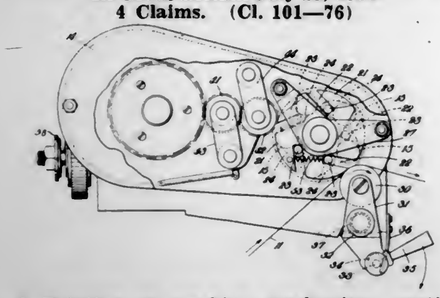
1. In apparatus of the character described, a carrier mounted to rotate about an axis, an inner barrel head mounted on said carrier, an outer barrel head opposite said first mentioned barrel head, a link conveyor adjacent said barrel heads and trained to form with said heads a tumbling barrel the axis of which is substantially radial to the axis of rotation of said carrier, and means

to cause said tumbling barrel to move with said



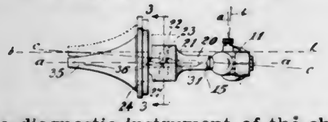
carrier in an arc about the axis of rotation of said carrier.

2,154,884
PRINTING OR MARKING MECHANISM, PARTICULARLY FOR USE IN CONNECTION WITH PACKAGING MACHINES
David Rich Anstee, Slough, England
Application June 15, 1935, Serial No. 26,747
In Great Britain July 25, 1934
4 Claims. (Cl. 101—76)



1. Printing or marking mechanism, particularly for use with a packaging machine, comprising a rotary device carrying a number of printing or marking units, an actuating lever for imparting rotation to each unit, a member rotatable with the printing or marking units and having slots engaged by the actuating levers, means for rotating said member, and means for holding said member against rotation to allow relative movement between the slots and the actuating levers to occur for the purpose of simultaneously changing the numbers or indicia on the printing or marking units.

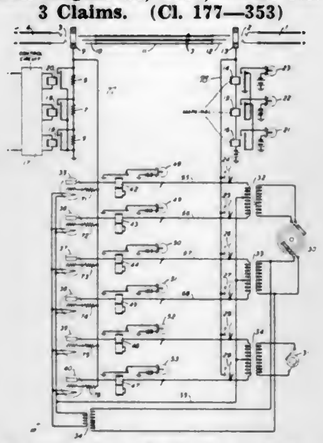
2,154,885
OTOSCOPE AND SIMILAR INSTRUMENT
Walter A. Arnesen, New York, N. Y.
Application October 25, 1935, Serial No. 46,729
6 Claims. (Cl. 128—9)



1. In a diagnostic instrument of the character described, a support, a source of light rays secured thereto, a speculum carrier secured to said support in spaced relation to said source of light rays so that the axis of a speculum carried by said carrier extends outwardly at a substantial angle to the longitudinal axis of said support, and a sliding connection intermediate said support and said carrier whereby said carrier can be moved laterally substantially rectilinearly to a limited extent relative to said support, the rays of light from said source being adapted to be directed through said speculum in any adjusted position of the speculum.

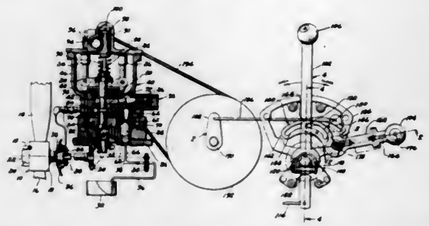
3. In a diagnostic instrument of the character described, a support, a source of light rays secured thereto, an arm extending outwardly from and at a substantial angle to the longitudinal axis of said support, a speculum carrier, and an adjustable connection securing said carrier to the outer end of said arm for limited sliding lateral substantially rectilinear movement relative to said longitudinal axis of said support, said speculum carrier being adapted to hold a speculum with the axis of the speculum extending outwardly at a substantial angle to the said longitudinal axis of said support, the rays of light from said source being adapted to be directed through said speculum in any adjusted position of the speculum.

2,154,886
SELECTIVE SIGNALING SYSTEM
Albert E. Bachelet, New York, and William H. T. Holden, Long Island City, N. Y.; said Bachelet assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Holden assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 25, 1937, Serial No. 160,758
3 Claims. (Cl. 177—353)



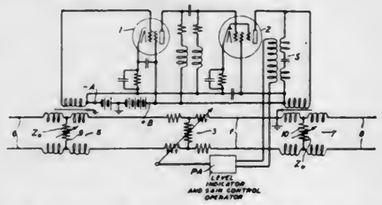
1. In a system for selective signaling, conducting means, a plurality of marginal relays, means to control said relays by means of direct currents of various magnitudes flowing over said conducting means, signals controlled by said relays, other signals and means for controlling said other signals independent of said marginal relays, comprising a plurality of three-element gas-filled tubes, a plurality of sources of alternating voltage differing in phase or frequency, each source connected individually to the anode of one of said tubes, the control electrodes of said tubes being connected together and to said conducting means, said tubes being normally in conducting condition, means for applying to said conducting means an alternating voltage of such phase and frequency that the electrical discharge in a predetermined one of said plurality of tubes is interrupted and means responsive to the interruption of said discharge to control said other signals.

2,154,887
CONTROL MEANS FOR CONTROLLABLE PITCH PROPELLERS
Paul S. Baker, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 8, 1935, Serial No. 48,852
16 Claims. (Cl. 170—135.6)



1. In combination with a controllable pitch propeller, and an engine for driving said propeller, a throttle lever for controlling the power of said engine, means for controlling the pitch of said propeller effective to determine the direction of propeller pitch change toward either a high pitch or a low pitch condition alternatively, and means operatively connecting said engine control with said propeller control arranged to provide alternative connections whereby the propeller pitch may be alternatively constrained toward a higher pitch or lower pitch condition upon operation of said engine control to reduce the power of said engine.

2,154,888
WAVE TRANSLATION SYSTEM
Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1937, Serial No. 132,559
4 Claims. (Cl. 178—44)



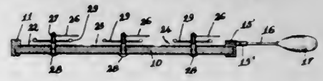
4. In a carrier wave signaling system, an amplifier, a transmission line for supplying to said amplifier signaling waves and pilot current waves, said line being subject to attenuation changes due to varying weather conditions, and said amplifier comprising an electronic device having an anode-cathode discharge path therein, a feed-back path for producing negative feed-back in said amplifier, a load circuit for said amplifier, means comprising a bridge network connecting said discharge path to said load circuit and said feed-back path, a gain control device in said feed-back path adjustable to compensate for said line attenuation changes, and means for adjusting said gain control device comprising a frequency selective circuit in shunt relation to said discharge path.

2,154,889
COMPOUNDS OF THE PYRIMIDINE SERIES
Willy Braun, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 6, 1937, Serial No. 167,530. In Germany October 13, 1936
16 Claims. (Cl. 260—261)

1. A process of producing compounds of the pyrimidine series which comprises reacting a cyclic compound having a benzene ring to which are attached a group —NHR, R being a member of the group consisting of hydrogen, alkyl and aryl, and in ortho position to the said group a group selected from the class consisting of —CN and —$CONH_2$, with an aldehyde in an acid medium.

8. A polynuclear 4-hydroxy-Pyl.2-dihydropyrimidine.

2,154,890
STEREOPTICON SLIDE
Sol Dashkin, Brooklyn, N. Y.
Application March 5, 1938, Serial No. 194,068
1 Claim. (Cl. 273—141)



A stereopticon slide comprising a grooved rectangular frame member, a single transparent plate mounted in said frame member with the edges of said plate arranged in the grooves of the frame member, said frame member being substantially thicker on one side of said plate than on the other, a transverse orifice passing through said thicker side, means for forcing a blast of air through said orifice, a shaft passing through said transparent plate, an indicator rotatably mounted on said shaft, a rotatable windmill in frictional engagement with said indicator and lying in a plane substantially parallel to the plane of said transparent plate and in the path of the blast of air forced through said orifice, whereby impingement of said blast of air on said windmill causes rotation thereof and said indicator.

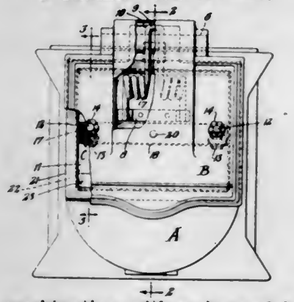
2,154,891
CARD PLAYING GAME
Ralph Laurence Dodge, Wilmington, Del.
Application March 23, 1937, Serial No. 132,484
3 Claims. (Cl. 273—152)



1. A game comprising a plurality of play sets, each play set containing the same number of cards, the number of play cards in each play set being a perfect square, each play card having an unlabeled symbol, the individual play cards in any one play set differing from the other play cards in the same set with respect to the unlabeled symbols thereon, each play card having a distinguishing marking indicating the play set to which the play card belongs, and a single master set containing a number of master cards at

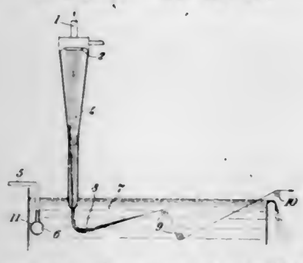
least equal to the number of play cards in any one play set, each master card having a different symbol, which duplicates one of the different unlabeled symbols on the play cards, each master card having a distinguishing marking indicating that it belongs to the master set.

2,154,892
JOURNAL BOX CLOSURE
William L. Dwyer and Michael J. Healey, Indianapolis, Ind., assignors to Railway Service & Supply Corporation, Indianapolis, Ind., a corporation of Indiana
Application August 5, 1936, Serial No. 94,330
3 Claims. (Cl. 308—47)



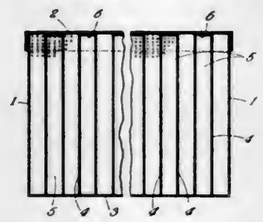
1. In combination with a journal box having a front opening, pivoted cover means for said opening, and spring means for spring closing said cover means, said cover means comprising an outer lid, an inner lid having a surface adapted to seat on the periphery of the box opening, spaced studs secured in the outer lid for mounting the inner lid on the outer lid, a bar loosely fitting said studs and located between the inner and outer lids, compression springs between the bar and the inner lid, a center bearing for the bar having contact with the inside of the outer lid, and means on said studs limiting movement of the inner lid in a direction away from the outer lid under action of said compression springs.

2,154,893
MANUFACTURE OF ARTIFICIAL THREADS OR THE LIKE
Otto Eisenhut, Heidelberg, Hanns Rein, Homburg von der Hohe, and Hugo Widmann, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany
Application February 15, 1936, Serial No. 64,084
In Germany February 15, 1935
3 Claims. (Cl. 18—54)



1. A process of producing artificial films, threads and the like of high tensile strength which comprises coagulating viscose having a degree of ripening corresponding with an ammonium chloride number below 7 in an aqueous spinning bath to form xanthogenate containing at most traces of regenerated cellulose, subjecting the coagulated material to tension in a dilute aqueous solution of electrolytes, the osmotic pressure of which corresponds at most with that of an aqueous solution of 1 per cent of sodium sulfate and 0.2 per cent of sulfuric acid, said solution having a pH-value of between 0.8 and 11 while avoiding material permanent extension, and decomposing the material to cellulose hydrate after the applicaiton of tension.

2,154,894
PROCESS FOR RECLAIMING VULCANIZED RUBBER
William Gilbert Essex, Southport, England
Application February 14, 1936, Serial No. 63,873
In Great Britain February 14, 1935
3 Claims. (Cl. 18—52)



1. The process of regenerating vulcanized rubber preferably free from fibre, which consists in treating said rubber by heating at a temperature above that of boiling water in the presence of water vapor in an atmosphere embodying oxygen at a higher pressure and concentration per square inch than normally found in the atmosphere for a period of time sufficient to produce plasticization.

2,154,895
PROCESS OF HARDENING PROTEIN SUBSTANCES
Hans Fricke, Wolfen, Kreis Bitterfeld, and Johannes Brunken, Dessau, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application June 13, 1938, Serial No. 213,449. In Germany June 19, 1937
11 Claims. (Cl. 95—7)

8. Gelatin hardened by the addition of and containing a compound selected from the class consisting of an aliphatic, non-substituted aldehyde carboxylic acid and of an aliphatic aldehyde carboxylic acid containing in its molecule a member selected from the class consisting of a hydroxy group, a keto group and an amino group.

9. A photographic silver halide emulsion layer containing gelatin and a compound selected from the class consisting of an aliphatic non-substituted aldehyde carboxylic acid and of an aliphatic aldehyde carboxylic acid containing in its molecule a member selected from the class consisting of a hydroxy group, a keto group and an amino group.

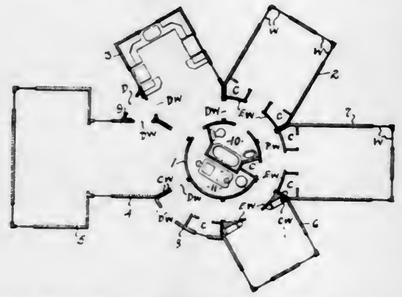
2,154,896
SECTIONAL DUCTOR ROLLER
Robert Henry Gibb, Carlisle, Pa.
Application February 18, 1938, Serial No. 191,301
3 Claims. (Cl. 101—348)

1. As a new article of manufacture, a ductor roller, comprising a primary tube having an uninterrupted surface, a tubular section having an uninterrupted inner surface on said primary tube, a male and a female locking collar on said primary tube fitting snugly against the ends of said tubular section, said male locking collar provided with integral pins spaced from said primary tube



and extending into said tubular section, said female locking collar provided with sockets spaced from said primary tube, said tubular section provided only at one end with integral pins spaced from said primary tube and in the sockets of said female locking collar, and each locking collar provided with a set screw.

2,154,897
UNIT BUILDING CONSTRUCTION
Henry M. Grant, Mount Vernon, N. Y.
Application July 23, 1937, Serial No. 155,188
7 Claims. (Cl. 20—2)



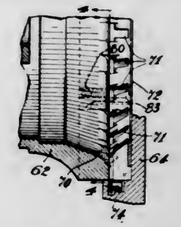
1. A structure assembled as described comprising a prefabricated independent central unit, a plurality of prefabricated, independent room units positioned therearound and extending radially therefrom, said room units having end walls spaced from the walls of the central unit to form a continuous passage therearound communicating with each of the room units and the central unit.

2,154,898
METHOD OF AND APPARATUS FOR COLOR PHOTOGRAPHY
Samuel B. Grimson, New York, and Leo Lipp, Flushing, N. Y., assignors to Color Research Corporation, New York, N. Y., a corporation of Delaware
Application April 2, 1937, Serial No. 134,544
4 Claims. (Cl. 88—24)



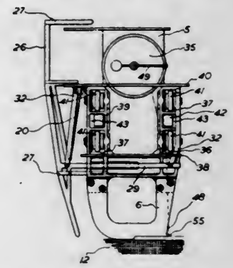
1. A method of producing a black and white color positive film, which comprises projecting images from a developed lenticulated negative onto a revolving ground glass screen, masking a portion of the projected beam to form a red image on the moving screen, photographing the red image upon a portion of an unexposed positive film, masking another portion of the projected beam to form a blue-green image on the moving screen, photographing the blue-green image upon another unexposed portion of the positive film, and developing the positive film.

2,154,899
FEED DRUM FOR SNAP FASTENER SETTERS
Julius Gualtiere, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y., a corporation of New York
Original application May 16, 1934, Serial No. 725,888. Divided and this application January 27, 1936, Serial No. 60,994
1 Claim. (Cl. 218—2.1)



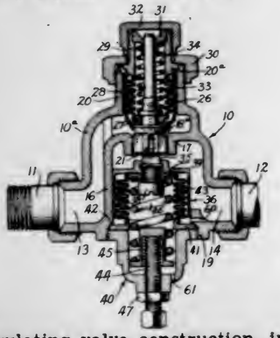
In a machine of the class described, a socket feeding device comprising a socket drum adapted to receive and tumble a mass of sockets, means to intermittently rotate said drum upon a substantially horizontal axis, a feed rim on said drum provided with guide grooves for flanges of said sockets, a feed ring detachably mounted on the face of said feed rim, said feed ring having passageways therein for the stems of sockets and wider passageways for the flanges of sockets, said wider passageways being aligned with the guide grooves, and constructed and arranged to permit sockets to escape from the feed drum with the stems thereof extending away from the face of said feed rim.

2,154,900
SHUTTLE FOR CIRCULAR LOOMS
Frank Corbyn Hale and Frederick Sutton Hardy, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application February 10, 1938, Serial No. 189,790
In Great Britain February 22, 1937
5 Claims. (Cl. 139—13)



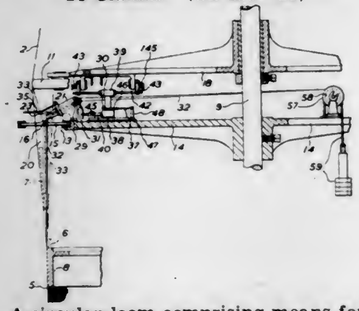
1. A circular loom shuttle of the type adapted to be positioned and supported within a warp shed by vane wheels engaging pairs of rotatable rollers disposed in axially aligned relation at two different levels in the shuttle at one side, and rolling means for engaging an annular support at the opposite side to provide a thrust opposing the thrust of the vane wheels, said shuttle comprising means for holding a weft supply package in such a position that the center of gravity of the shuttle and weft package as viewed from the side falls within the polygon having as its corners the four contact points between the vane wheels and the rotatable rollers.

2,154,901
PRESSURE REDUCING DEVICE
George E. Hulse, New Haven, Conn., and John Rumpf, New Milford, N. J., assignors to The Safety Car Heating & Lighting Company, a corporation of New Jersey
Application May 10, 1935, Serial No. 20,794
5 Claims. (Cl. 50—23)



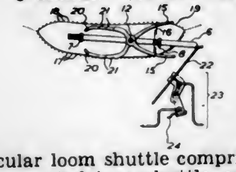
1. In regulating valve construction, in combination, means forming a casing having high pressure and low pressure sides, means forming a valve seat in said casing between said sides, a gate member registering with said seat to control the flow of fluid from said high pressure side to said low pressure side, a member secured to said casing and said gate member and hermetically sealing said gate member from said high pressure side, said gate member having a passage connecting the interior of said member with said low pressure side whereby both sides of said gate member are subjected to substantially equal pressures, spring means connected to said gate member for regulating its position with respect to said seat, and means for preventing moisture from collecting in the bottom of said casing.

2,154,902
SHEDDING MECHANISM FOR LOOMS
Joanny Jabouley, Rochetaillee, France, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 27, 1937, Serial No. 181,781
In Great Britain January 13, 1937
14 Claims. (Cl. 139—13)



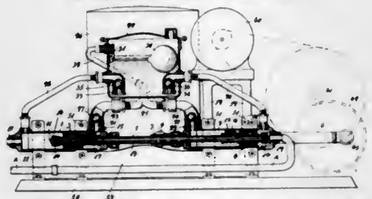
1. A circular loom comprising means for shedding a number of warp threads after the passage of each pick of weft in a manner such that the intermediate thread of a group of three threads lies in one warp sheet and the other two threads lie in the opposing warp sheet, thread guiding means for guiding the intermediate thread between the two other threads during shedding, rotary thread-controlling means adapted to transpose the two other threads so that they move to opposite sides of the intermediate thread, and a driving member between which and the thread-controlling means there is relative circular motion with respect to the loom axis, said driving member bringing about rotation of the thread-controlling means between one passage of weft and another to transpose the two other threads.

2,154,903
CIRCULAR LOOM
Joanny Jabouley, Rochetaillee, France, assignor to Celanese Corporation of America, a corporation of Delaware
Application December 27, 1937, Serial No. 181,782
In Great Britain January 13, 1937
3 Claims. (Cl. 139—13)



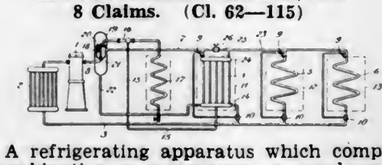
1. A circular loom shuttle comprising a detector finger mounted in a shuttle, means to urge the finger into contact with a sheet of a warp shed in which the shuttle lies, so as to detect warp threads missing from that sheet, and a serrated member connected with the finger and adapted to be moved by detecting movement of the finger into engagement with the threads forming the other sheet of the warp shed and by such engagement to be carried towards the rear of the shuttle to operate stop mechanism.

2,154,904
PLANT FOR HYDRAULICALLY OPERATING DELIVERY PUMPS
Erik Ture Jäderblom, Alnas, Bo, Sweden
Application September 17, 1937, Serial No. 164,283
In Sweden September 18, 1936
2 Claims. (Cl. 103—44)



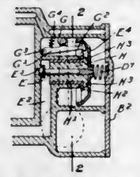
1. In a hydraulic system for driving deep well pumps the combination of two pump cylinders arranged substantially in line, a double-acting piston in each of said cylinders, a hollow piston-rod connecting and substantially traversing said pistons so as to form a connecting conduit between the spaces of said cylinders on turned-away sides of said pistons, a valve at each end of said piston-rod, a rod slidably arranged within said piston-rod and connecting said valves so as to cause the opening of one valve if the other is closed and vice versa, a port each in the wall of said piston-rod where it extends into each of said cylinders, a non-return valve in each of said ports adapted to release liquid into the space of said cylinder, supply conduits connected to the turned-away sides of said cylinders, outlets at the sides of said cylinders facing each other, and power-driven means for reciprocating said pistons within said cylinders.

2,154,905
REFRIGERATING SYSTEM
Emil Kägi, Winterthur, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application December 2, 1936, Serial No. 113,785
In Switzerland December 26, 1935
8 Claims. (Cl. 62—115)



4. A refrigerating apparatus which comprises in combination a compressor, a condenser, a plurality of evaporators connected to the compressor, at least one of which is a flooded evaporator, an auxiliary evaporator in which a partial amount of the refrigerant is evaporated, conduit operatively interconnecting the compressor, condenser, evaporators, and auxiliary evaporator, and an injector connected by conduit with the flooded evaporator, the auxiliary evaporator and the compressor, said injector being adapted to suck oil from the flooded evaporator and pass it into the compressor.

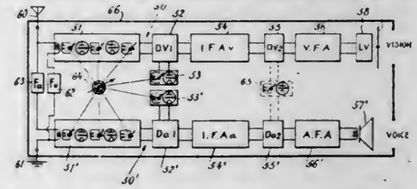
2,154,906
HYDRAULIC SHOCK DAMPER
Ivan Alexander Leslie, Highfield Lawn, Highfield Road, Derby, England, assignor to Rolls-Royce Limited, Derby, England
Application August 7, 1936, Serial No. 94,815
In Great Britain August 12, 1935
6 Claims. (Cl. 188—88)



1. A hydraulic shock damper for vehicles having wheels mounted on a frame through springs the movement of which springs is resisted by shock dampers, which shock damper comprises a passageway through which on displacement of the wheel liquid is caused to flow past a valve in such passageway resisting the flow of liquid, a spring loading said valve, a weighted means which is displaced through its own inertia in a direction corresponding to the direction of travel of the vehicle on a sudden change of vehicle momentum taking place, and a connection between the weighted means and the said valve which causes the resistance of the valve to the flow of liquid to be increased, while leaving the resistance of said valve spring unaffected when such displacement takes place.

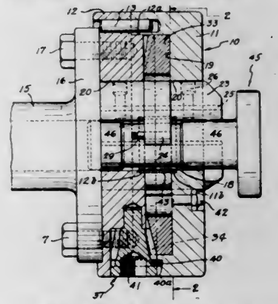
2,154,907
WAVE SIGNALING SYSTEM
Harold M. Lewis, Douglaston, Long Island, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 6, 1931, Serial No. 535,328
16 Claims. (Cl. 178—5.6)

3. A system of broadcasting which comprises a plurality of transmitting stations and at least one receiving station, each of said transmitting stations including means for simultaneously transmitting the component parts of a unified performance as a plurality of signals each of which has a carrier wave, each of the carrier waves of each station bearing a fixed ratio relation to each other which is the same for all the transmitting stations of said broadcasting system, and said receiving station comprising means for individually selecting said signals and means for individually and simultaneously reproducing intelligence corresponding to each of said plu-



rality of signals to reproduce said unified performance, said selecting means comprising a uni-control arrangement which is adapted to cause the resonant frequencies of said individual selecting means to bear the same ratio relation to each other, over a large range of uni-control operation, as said carrier waves bear to each other, whereby said receiving station may be tuned to select the signals from any of the transmitting stations.

2,154,908
CHUCK
Arthur J. Lewis, Stratford, Conn., assignor to The Baird Machine Company, Bridgeport, Conn., a corporation of Connecticut
Application June 25, 1937, Serial No. 150,285
17 Claims. (Cl. 279—33)

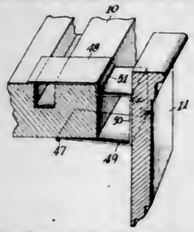


14. In a chuck, a body having a plurality of longitudinally extending recesses, a clamping jaw in each recess mounted to turn about an axis extending longitudinally of the axis of the chuck, an arm on each of said jaws, a ring cam mounted for turning movements about the axis of the chuck and having cam surfaces engaging said arms, and means for turning the cam to operate the jaws.

2,154,909
VENETIAN BLIND
Hans K. Lorentzen, Montclair, N. J.
Application March 7, 1936, Serial No. 67,606
2 Claims. (Cl. 156—17)

1. In the art of Venetian blinds, a valance support to removably attach a valance to a head bar having upper and lower parallel surfaces, said support comprising: a single strip of resilient sheet metal folded into generally U-shaped form and having legs of different lengths connected at one end by a flat section of the strip, the legs converging when unstressed and being adapted to

be sprung apart to slidably and frictionally grip said parallel surfaces of said head bar, the shorter



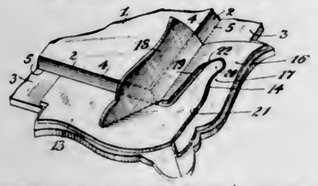
of the legs having a toed-out end, and said flat section being adapted to be attached to the valance.

2,154,910
MATTRESS
Irving Magaril, Brooklyn, N. Y.
Application July 7, 1937, Serial No. 152,352
1 Claim. (Cl. 5—351)



In a mattress, separable top and bottom pad members, each comprising filling material enclosed between fabric covers, a filler unit enclosing band consisting of a fabric strip extending around the side and end edges of the mattress, a series of strips extending outwardly from the upper and lower edges of the band, and complementary fastener elements carried by the strips and the edge portions of the top and bottom pad members for detachably securing the pad members to the band to provide a closed filler unit receiving housing.

2,154,911
DISPLAY DEVICE
Ralph J. Mancuso, Brooklyn, N. Y., assignor to Royal Mounters, Inc., Long Island City, N. Y., a corporation of New York
Application September 29, 1937, Serial No. 166,282
11 Claims. (Cl. 40—155)

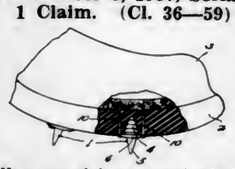


9. A polygonal shaped display device of the picture frame type formed of cardboard and comprising a center part having portions at the sides thereof adapted to cooperate in providing a frame for said center part, said frame portions being provided with means adapted to cooperate to secure the ends of adjacent frame portions in adjoining relationship when the display device is in display position, said means comprising a recessed member on one frame portion having a cover member, and an outwardly extending portion on an adjacent frame portion fitting at least partially within said recessed member at all times.

2,154,912
PRODUCTION OF DYESTUFFS OF THE PHTHALOCYANINE SERIES
Fritz Muehlbauer and Georg Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1936, Serial No. 118,120. In Germany January 4, 1936
4 Claims. (Cl. 260—319)

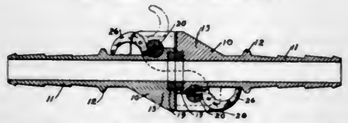
1. A process of producing dyestuffs of the phthalocyanine series which comprises heating an aromatic dinitrile with sodium cyanamide and separating the dyestuffs formed from any inorganic substances.

2,154,913
SHOE CALK
Loren W. Nitkey, St. Maries, Idaho
Application December 3, 1937, Serial No. 177,997
1 Claim. (Cl. 36—59)



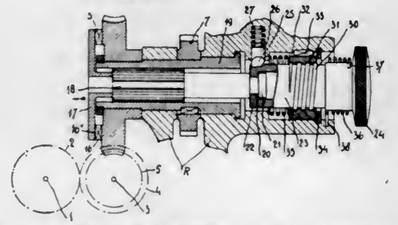
A shoe calk comprising a conical shank tapered throughout its length to a penetrating point at its apex, teeth carried by said shank, said teeth following the taper of the shank and having their lower end faces defining locking shoulders extending inwardly at an incline toward the apex of the shank, a lug extending from the large base end of said shank and extending longitudinally in alignment with its axis, and a collar surrounding the lug and shank at the junction of the lug with the shank and being formed integral therewith and of a concavo-convex formation with its upper concave surface facing the shank and adapted to be filled with a portion of the under surface of a rubber shoe sole when the shank is embedded in the shoe sole, said collar being formed with fastener receiving openings spaced from each other circumferentially of the collar and having enlarged outer end portions whereby nails may be driven through the openings and a shoe sole in which the shank is embedded with the heads of the nails countersunk in the enlarged ends of the openings.

2,154,914
COUPLING DEVICE
James A. O'Day, New York, N. Y.
Application March 10, 1936, Serial No. 68,020
1 Claim. (Cl. 285—57)



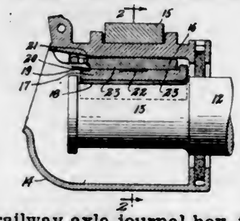
A conduit coupling comprised of two substantially identical co-acting body members having abutting faces, a longitudinal passage extending through each body member at right angles to its face, an annular recess for a sealing ring formed in each face concentric with said passages, a pair of spaced lugs on one side of each body member extending therefrom at its face end overhanging said face and spaced apart from the center axis of said passage, a curved notch formed in each of said lugs, said notches being substantially in line with each other and forming camming surfaces, a lug on each body member oppositely disposed to its pair of lugs, a transverse hole formed in said last lug, a longitudinal slot formed in said last lug at right angles to and communicating with said transverse hole, a cam shaft for each body member having a cam formed on each end thereof and positioned in said transverse hole, and a lever secured to the mid-portion of said cam shaft and positioned in said longitudinal slot, said cams on each body member being adapted to engage said camming surfaces on the other body member when said members are placed in cooperative relation, whereby the rotation of said cams and shafts through the medium of said levers may lock said members together.

2,154,915
LATHE
Albín Ohera, Brunn, Czechoslovakia
Application March 9, 1937, Serial No. 129,805
In Czechoslovakia March 9, 1936
5 Claims. (Cl. 82—22)



1. In a lathe in combination, a lathe bed, a carriage movable relative to said bed, means for driving said carriage comprising a driving shaft, a driven shaft, a carriage displacing wheel fixed on said driven shaft, a wheel, loose on said driven shaft, for transmitting power from said driving onto said driven shaft, an axially disengageable clutch member coupling said loose wheel with said driven shaft, when this shaft is rotating, a stop in the path of said carriage, a source of energy tending to axially shift and disengage said clutch member from said loose power transmitting wheel and means, arranged to be automatically disengaged by an axial displacement of said clutch member, for temporarily preventing action of said source of energy on said clutch member.

2,154,916
JOURNAL BEARING
Edwin S. Pearce, Indianapolis, Ind., assignor to Railway Service & Supply Corporation, Indianapolis, Ind., a corporation of Indiana
Application November 5, 1936, Serial No. 109,215
8 Claims. (Cl. 308—54)



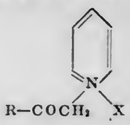
4. In a railway axle journal box, the combination of a wedge loaded in its central region but unloaded at its ends, and a crown bearing on the journal for receiving the load from said wedge, the journal contacting face of the bearing in the region of the crest being substantially uninterrupted throughout the longitudinal length of the bearing and the upper face of the bearing being formed to provide a pair of longitudinally spaced load receiving areas with a relieved area therebetween, said longitudinally spaced load receiving areas extending under the unloaded ends of the wedge and said relieved area extending under the centrally loaded region of the wedge.

2,154,917
MANUFACTURE OF SODIUM HYDROSULPHIDE
Johann Schneider, Wolfen, Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 13, 1937, Serial No. 136,606. In Germany April 23, 1936
1 Claim. (Cl. 23—134)

The process for manufacturing crystallized hydrates of sodium hydrosulphide with a high content of NaSH, which comprises dissolving about 600 parts by weight of anhydrous sodium sulphide in about 500 parts by weight of water, passing hydrogen sulphide through the mass, then adding about 500 parts by weight of sodium sulphide and again passing hydrogen sulphide through the melt while operating under reflux at a temperature up to about 150° C., removing undissolved matter from the melt, allowing it to cool to about 80° C. and separating the crystalline sodium hydrosulphide formed.

2,154,918
COUPLING COMPOUNDS FOR COLOR FORMING DEVELOPMENT
Wilhelm Schneider and Hans Loleit, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application June 28, 1938, Serial No. 216,293. In Germany July 30, 1937
5 Claims. (Cl. 95—88)

1. In a process of producing photographic color pictures by color forming development, the improvement which comprises employing as the color forming compound capable of forming a dyestuff with the oxidation product of an aromatic amino developer, a pyridine derivative of the following general formula

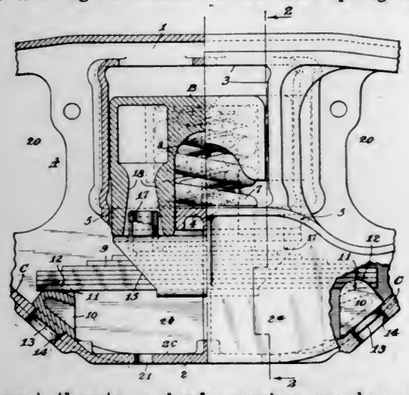


in which R is a member of the group consisting of alkyl, aryl and aralkyl, and X is an anion.

2,154,919
CAR TRUCK
James A. Shafer, East Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 22, 1932, Serial No. 600,398
13 Claims. (Cl. 105—197.1)

3. In a car truck, the combination of tension and compression members, spaced integral connecting columns forming a window with said tension and compression members, said tension member having a spring housing disposed below said window, said housing having spaced seats on a

portion thereof and within the same and being slotted for communication with said window, a leaf spring on said seats, said seats having means for limiting movement of the leaf spring with



respect thereto, a load carrying member supported on coil springs in said window and provided with a member extending through the slot and in engagement with said leaf spring.

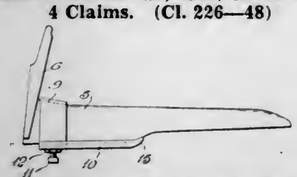
2,154,920

ATTACHMENT FOR BAG-FILLING TUBES

Alfred Tangdall, Superior, Nebr., assignor to Ideal Cement Company, Denver, Colo., a corporation of Colorado

Application November 23, 1938, Serial No. 242,060

4 Claims. (Cl. 226—48)



1. An attachment for a bag-filling tube insertable into an opening in the bag, said attachment comprising a collar to surround the outer end of the tube, means on said collar to prevent closing of the bag opening around the tube, allowing air to escape from the bag as the latter is being filled, and releasable means for detachably securing said collar in place upon the tube.

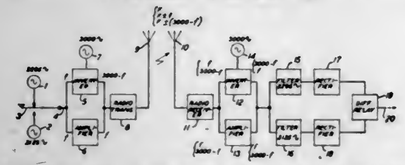
2,154,921

SIGNALING SYSTEM

Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 19, 1936, Serial No. 116,696

4 Claims. (Cl. 250—8)



2. A system comprising means for keying a tone frequency wave to develop code signals, means for inverting the frequency of said tone with respect to a substantially fixed carrier frequency, means to transmit both the inverted and the original tone wave, a pair of circuits at a receiving station, means in one of said receiving circuits for inverting the frequency of an impressed wave with respect to substantially the same carrier frequency above mentioned, means in the other of said receiving circuits to by-pass said inverting means, a filter tuned to said original tone frequency, said filter being connected both to the output of said last-mentioned inverting means and to said by-passing circuit, and means for detecting signals carried by waves passing through said filter.

2,154,922

SULPHONATED ORGANIC COMPOUNDS AND METHOD OF MAKING THEM

Edmund Waldmann, Klosterneuburg, and August Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 16, 1937, Serial No. 180,158. In Austria December 18, 1936

10 Claims. (Cl. 260—309)

1. The process of producing an imidazoline substituted in the imino group which comprises causing an imidazoline having in 2-position an aliphatic radical of at least 7 carbon atoms to react with a member of the group consisting of aliphatic halogen-hydroxy-sulphonic acids and halogen-hydroxy-sulphuric acid esters, hydrogen halide being eliminated.

2,154,923

SIGNALING SYSTEM

John C. Walter, Collingswood, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware

Application October 3, 1936, Serial No. 103,921

2 Claims. (Cl. 250—6)



2. A signaling system comprising, a source of program modulation energy, a transmission source associated with said program source for producing from a base frequency and transmitting through space a plurality of different carrier frequencies all harmonically related to each other and to said base frequency and all modulated by said program modulation energy, receiving stations positioned at points geographically displaced with respect to said transmission source, said receivers being individually responsive only to a particular one of said carrier frequencies, a retransmission system connected with each of said receivers, said retransmission systems each including means for generating a local master frequency and deriving therefrom a sub-harmonically related retransmission frequency, said local master frequency being harmonically related to said base frequency, a wired radio network including a power distribution system connected with each of said retransmission systems, means including the output of said receivers for modulating said harmonically related retransmission frequencies, and means for transmitting the frequencies thus modulated over said wired radio networks.

2,154,924

HAIR WAVING

Alexander L. Wilson, Indiana Township, Allegheny County, and Henri Morin, Mount Lebanon Township, Allegheny County, Pa.; said Wilson assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application June 2, 1937, Serial No. 145,948

8 Claims. (Cl. 167—87.1)

6. A hair waving preparation which comprises an aqueous composition containing from about 10% to about 20% by weight of a morpholine, said composition boiling between about 80° and about 140° C., and about 10% by weight of oil, the whole being emulsified by means of the reaction product of part of the morpholine with a small amount of a higher fatty acid.

2,154,925

HAIR WAVING

Alexander L. Wilson, Indiana Township, Allegheny County, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application June 2, 1937, Serial No. 145,949

7 Claims. (Cl. 167—87.1)

1. A composition for waving hair which is composed of an aqueous composition essentially containing from about 3% to about 30% of a water-soluble, mildly alkaline morpholine, which composition boils between about 80° and about 140° C.

3. Method of waving hair which comprises forming the hair into a wave while it is softened by the action of an aqueous composition essentially containing a mildly alkaline, water-soluble, volatile morpholine, which composition is capable of evaporating from the hair while exerting a substantially constant alkaline action thereon.

2,154,926

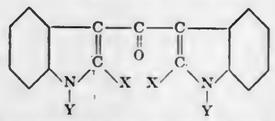
DYESTUFFS OF THE TRIARYLMETHANE SERIES

Paul Herbert Wolff, Frankfort-on-the-Main-Hochst, Friedrich Heim, Sindlingen, and Carl Winter and Ludwig Bettag, Ludwigshafen-on-the Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

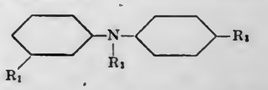
No Drawing. Application September 15, 1937, Serial No. 163,960. In Germany September 28, 1933

4 Claims. (Cl. 260—319)

1. The process of producing dyestuffs of the triarylmethane series which comprises converting a compound of the general formula



wherein **X** represents a member of the group consisting of methyl and phenyl and **Y** represents a member of the group consisting of hydrogen and alkyl into the corresponding ketochloride by means of phosphorus oxychloride substantially in the absence of water and condensing the ketochloride formed with an aromatic amine of the general formula



wherein R_1 represents a member selected from the group consisting of hydrogen, methyl, alkoxy and aralkoxy groups, R_2 represents a member of the group consisting of hydrogen and alkyl and R_3 represents a substituent of the group consisting of methyl, alkoxy, and aralkoxy groups and sulphonating the resulting basic dyestuff by treatment with a sulphonating agent.

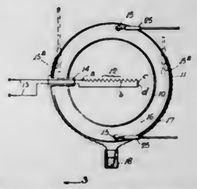
2,154,927

AEROLOGICAL INSTRUMENT

Constantin P. Yaglou, Boston, Mass.

Application June 28, 1935, Serial No. 28,851

3 Claims. (Cl. 73—151)



1. In an apparatus of the character described, a plurality of containers of different sizes, said containers being nested within each other in spaced relationship, means for heating the smallest of said containers, and means for measuring the temperature between two of said containers.

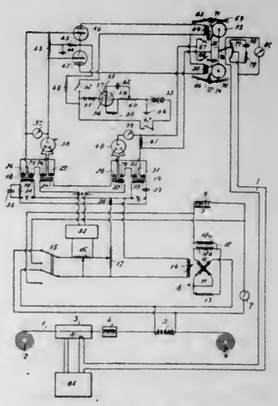
2,154,928

HEAT TREATMENT APPARATUS

Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York

Application August 3, 1935, Serial No. 34,553

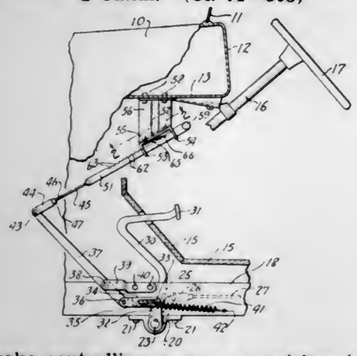
7 Claims. (Cl. 266—3)



1. In an apparatus for heat treating an elongated magnetizable body which includes means for heating successive sections of the body, means for thereafter cooling successive sections of the body and means for varying the amount of heat

introduced into the body in the heating means in response to variations in the magnetism affecting properties of successive cooled sections of the body, the combination which comprises a test coil disposable in inductive relationship with successive cooled sections of the body, means for introducing a primary electrical potential into the test coil, means out of inductive relationship with any magnetizable body for creating an electrical potential corresponding in phase and amplitude to that which would be produced in the test coil were a magnetizable body of desired physical characteristics inductively associated therewith, means for opposing a potential in the test coil with said created electrical potential to produce a differential potential and means for changing the amount of heat introduced into the magnetizable body in the heating means in response to variations in said differential potential.

2,154,929
MECHANISM CONTROL
Henry J. Edwards, Ottawa Hills, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application January 29, 1937, Serial No. 122,929
1 Claim. (Cl. 74—503)

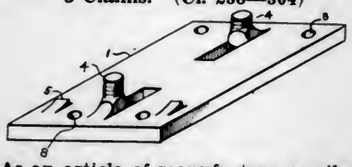


Brake controlling means comprising, in combination, a lever adapted to be connected to braking means; a supporting member formed of sheet metal and having transversely extending ear portions, said ear portions having aligned openings therein; a tubular member slidably mounted in the openings in said support; means including a ball joint connecting said tubular member with said lever, said tubular member having a series of depressions extending through the wall thereof forming teeth; a plate spring associated with said support and engageable with the teeth to hold the tubular member in brake setting position, said tubular member being adapted for rotation to effect the disengagement of said plate with the teeth.

2,154,930
PROCESS FOR THE PURIFICATION OF POLYHYDRIC ALCOHOLS
Theodore Evans, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 27, 1937, Serial No. 181,995
8 Claims. (Cl. 202—56)

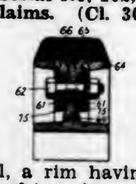
1. A process for the removal of coloring matter from glycerol which comprises the steps of extracting substantially anhydrous distilled glycerine with an iso-octane at a temperature of from 80° C. to 150° C., separating the extract and raffinate phases, and fractionally distilling the raffinate phase whereby a decolorized glycerol is obtained.

2,154,931
TIE PLATE
Chester F. Gailor, Brooklyn, N. Y., assignor to The Rails Company, New Haven, Conn., a corporation of Connecticut
Application July 9, 1936, Serial No. 89,715
3 Claims. (Cl. 238—304)



1. As an article of manufacture a rail support comprising a plate provided with a plurality of through openings for reception of securing members and a pair of threaded members formed from the body of the plate and bent upwards therefrom and spaced to provide a rail seat between them.

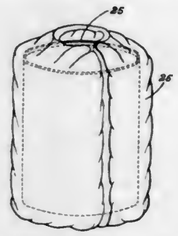
2,154,932
WHEEL
Chauncey W. Gannett, Wellington, Ohio, assignor to Wellington Machine Company, Wellington, Ohio, a corporation of Ohio
Original application October 15, 1934, Serial No. 748,361. Divided and this application September 22, 1936, Serial No. 102,004
5 Claims. (Cl. 301—19)



1. In a wheel, a rim having portions on the inner face thereof tapering radially inwardly towards the median plane of the rim, a central wheel body comprising a hub and portions extending radially outwardly therefrom, a plurality of pairs of clip devices disposed around the body between the body and rim, constituting the sole means of transmitting loads between the body and rim, the radially outwardly extending portions of the wheel body acting as stops maintaining the radially inner ends of the clip devices axially spaced and about which the clip devices may pivot, and securing means for the clip devices comprising bolts loosely projected through aligned perforations provided in each pair of clip devices and nuts engaging the bolts to draw the radially outer ends of the bolts towards each other to engage the tapered portions of the rim.

2,154,933
REFRIGERATING PAD
Charles E. Hadsell, Los Angeles, Calif.
Application June 9, 1937, Serial No. 147,306
7 Claims. (Cl. 62—1)

1. A refrigerating pad comprising in combination a flexible water proof closed bag having a filling of comminuted absorbent material impregnated with a liquid having a lower freezing point than fresh water, said material and liquid being confined by the bag and forming a pad having the characteristics that when the liquid is not frozen such pad as a whole is flexible and may be molded to a desired shape and further having the

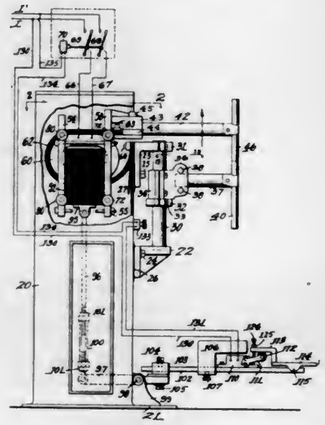


characteristic that when the liquid is frozen, the pad becomes rigid and retains the molded shape.

2,154,934
PURIFIED BEE POISON
Georg Hahn, Frankfort-on-the-Main, Germany
No Drawing. Application December 15, 1936, Serial No. 115,955. In Germany September 29, 1936
7 Claims. (Cl. 167—74)

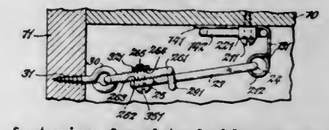
1. A process of producing purified bee-venom which comprises extracting the stings and poison glands of bees with a dilute organic acid which is volatile in water vapour, evaporating the extract to dryness in a high vacuum evaporator at a temperature not exceeding 20° C., treating the dried extract with a concentrated alcohol to remove the inactive inert substances, extracting the residue with an aqueous alcohol of a concentration between 55% and 65%, and evaporating the solution to dryness under a high vacuum.

2,154,935
WELDING MACHINE
Preston M. Hall, Worcester, Mass.
Application May 17, 1937, Serial No. 142,965
5 Claims. (Cl. 219—4)



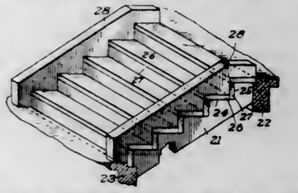
1. A resistance welding machine comprising a normally fixed lower electrode, a movable upper electrode, a transformer assembled with said upper electrode to form a slidable unit, and manual means to raise said unit, return downward movement of said unit to operative position being effected by gravity.

2,154,936
LATCH FOR FASTENINGS
Richard W. Hempel, North Tonawanda, N. Y.
Original application July 22, 1937, Serial No. 155,060. Divided and this application January 22, 1938, Serial No. 186,409
3 Claims. (Cl. 292—101)



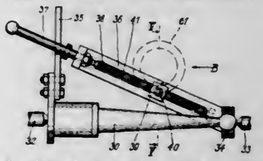
1. A fastening for detachably connecting two relatively movable parts, including a latch having a longitudinal rod, a coupling hook arranged on the front end of said rod and adapted to engage a keeper arranged on one of said relatively movable parts, a yoke having longitudinal bars arranged along said rod, a loop arranged on the front ends of said bars and embracing said rod, a bow connecting the rear ends of said bars and pivotally mounted on the other of said relatively movable parts, a connecting eye arranged on the rear end of said rod and engaging one side of said bars, a clamping plate engaging the opposite side of said bars, and a bolt connecting said plate and connecting eye.

2,154,937
STEP CONSTRUCTION
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application October 24, 1938, Serial No. 236,665
4 Claims. (Cl. 72—96)



1. Steps comprising spaced pairs of stringers disposed in vertical alignment, the upper surface of the lower stringers and the lower surface of the upper stringers being notched to form tread and riser-engaging surfaces and tread and riser slabs extending between said pairs of stringers, the ends of said slabs being disposed between the stringers of both pairs.

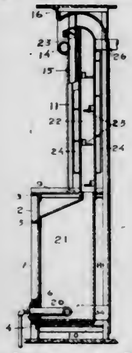
2,154,938
TRUING DEVICE FOR GRINDING WHEELS
Hermann Hofer, Friedrichshafen-on-the-Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany
Application March 4, 1937, Serial No. 128,890
In Germany March 9, 1936
11 Claims. (Cl. 125—11)



1. In a device for truing the curved working surface of grinding discs for grinding toothed gears, the sub-combination of: a fixed pivot; a

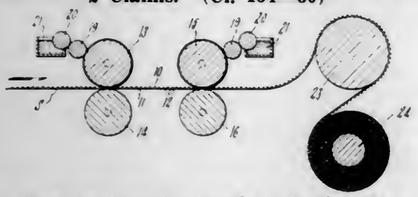
fixed curved gauge guide; a link mechanism associated with said guide and having a lever turnable on said pivot; a truing tool operatively associated with said link mechanism; and means for adjusting said tool on said link mechanism within a sector corresponding to the two extreme positions of said tool relatively to said fixed pivot as determined by said fixed curved guide said sector extending approximately in the direction of the middle axis of the gear to be ground.

2,154,939
FIREPLACE FURNACE
Frank D. Howe, Akron, Ohio
Application June 20, 1936, Serial No. 86,273
7 Claims. (Cl. 126—122)



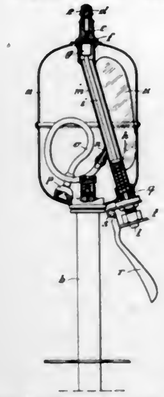
2. In a fireplace furnace, a firebox having a wall of transparent material, a stack extension of said firebox, a framework supporting said firebox and stack extension and defining therewith an air circulating passage partly surrounding said firebox and completely surrounding said stack and casing members applied to said framework to enclose said air passage.

2,154,940
APPARATUS FOR THE MANUFACTURE OF INDENTED CORRUGATED PAPER PRODUCTS
Charles Quincy Ives, Reading, Mass., assignor to Sherman Paper Products Corporation, Newton, Mass., a corporation of Massachusetts
Application November 9, 1937, Serial No. 173,629
2 Claims. (Cl. 154—30)



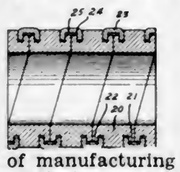
1. In a machine for locally indenting the corrugations of the corrugated paper ply of a single-faced corrugated paper sheet and thereby rendering said sheet readily flexible across its corrugations, a pair of coacting rolls through whose nip said sheet may be passed, said pair of rolls including an indenting roll whose periphery presents multiple closely spaced helical ribs by which the corrugations of said corrugated paper ply may be indented along lines intersecting said corrugations at an angle, and a second pair of coacting rolls through whose nip said sheet may be passed from said first pair of rolls, said second pair of rolls including an indenting roll whose periphery also presents closely spaced helical ribs by which the corrugations of said corrugated paper ply may be intended along lines intersecting said corrugations but criss-crossing the lines of indentation created in the corrugations by the ribs of said first-named indenting roll.

2,154,941
ATOMIZER FOR LIQUIDS
Josef Kampschulte, Osnabruck, Germany
Application February 11, 1938, Serial No. 189,982
1 Claim. (Cl. 299—96)



An atomizer for liquids, especially floor polish, comprising in combination, a liquid container, an air pump serving as handle detachably connected to one end of said container and adapted to produce pressure in said container, a discharge nozzle at the other end of said container, a feed conduit in said container and consisting of a rigid tube extending through said container and leading to said nozzle and of a flexible tube of synthetic rubber branching from said rigid tube, a valve for said nozzle located in said tube, a control lever for said valve at the end of said rigid tube remote from said valve and projecting in proximity to and adapted to be gripped with said air pump to hold open said valve when the atomizer is in use, a heavy metal suction head on the free end of said flexible tube and adapted to always drop to the lowest point of the container irrespectively of the position in which the container is held, and a thin sheet metal wall arranged between said rigid tube and the inner wall of said container and adapted to prevent the flexible tube from wrapping around the rigid tube and the suction head from wedging between said rigid tube and the container wall.

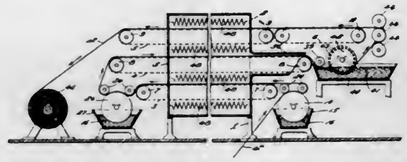
2,154,942
METHOD OF MANUFACTURING TUBING
John Karmazin, Huntington, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 8, 1936, Serial No. 73,258
1 Claim. (Cl. 113—35)



The method of manufacturing tubing having substantially smooth inner and outer surfaces

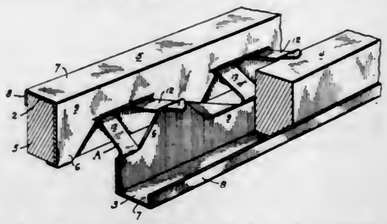
which comprises spirally winding a metal strip having edges of reduced thickness provided with narrow grooves, locking the edges of one loop thus formed with adjacent edges of adjacent loops with a U-shaped strip of metal inserted in said grooves, inserting bonding material between said strips, and heating said tube to bond said edges.

2,154,943
METHOD FOR TREATING FIBROUS MATERIAL
Edward F. King, Cranston, R. I.
Application October 29, 1936, Serial No. 108,181
2 Claims. (Cl. 91—68)



1. In a method of impregnating with a filler material in a substantially fluid state a web of carded textile fibres in a loose condition as coming from a carding machine, which web is characterized by low tensile strength and high absorbability to such an extent as to be adapted to disintegrate in whole or in part under the strain placed thereon by the weight of the absorbed filler material, successively and in a substantially continuous order treating the fibrous web by applying a reinforcing substance to portions of the surface areas only of opposite sides thereof and setting the reinforcing substance in the material to provide surface reinforcement areas upon opposite sides thereof, said reinforcement areas on one side of the web being spaced from each other and covering materially less than the total surface area of that side of the web, and passing the surface reinforced web through a bath of absorbable filler material in a substantially fluid state to effect absorption of the filler material through the unreinforced surface areas and fill substantially the unreinforced interior portion of the web, and then setting the filler material within the fibrous material.

2,154,944
STRUCTURAL MEMBER
Frank Kullmer, San Francisco, Calif., assignor to Soule Steel Company, San Francisco, Calif., a corporation of California
Application March 16, 1938, Serial No. 196,196
5 Claims. (Cl. 189—40)



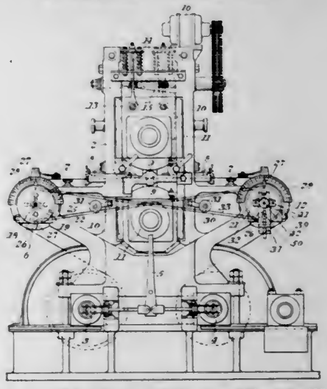
5. A combination wall stud and nailing strip comprising a stud made from a strip of sheet metal and bent to form a web and a pair of continuous side flanges, a nailing strip disposed parallel to each flange, and tongues cut from the web and bent over the nailing strips to secure them to the stud.

2,154,945
VALVE
John F. Kyes, West Boylston, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application January 11, 1937, Serial No. 119,946
5 Claims. (Cl. 251—104)



1. A valve comprising a casing having two inlet ports and four outlet ports, two delivery pipes, means connecting two of the outlet ports with one delivery pipe, means connecting the other two outlet ports with the other delivery pipe, and a member mounted within the casing and adjustable to two different positions, the member being shaped to provide passages which connect the inlet ports to two of the outlet ports corresponding respectively to the two delivery pipes when the member is in one position and to the other two outlet ports when the member is in the other position.

2,154,946
GAUGING DEVICE AND SCREW-DOWN CONTROL
Howard S. Lamb, Youngstown, Ohio, assignor to The Cold Metal Process Company, Youngstown, Ohio, a corporation of Ohio
Application September 26, 1933, Serial No. 690,995
24 Claims. (Cl. 80—56)



1. The combination with a rolling mill having screwdowns, and a gauger operative on a change in the ratio of the entering and exit speeds of the material traversing the mill, of means controlled by the gauger for tightening and releasing the screwdowns.

2,154,947
HARDENING OF METAL SURFACES
Arthur H. Lloyd and Herbert H. Beeny, Coventry, England, assignors to The Monarch Machine Tool Company, Sidney, Ohio
No Drawing. Application June 17, 1937, Serial No. 148,753. In Great Britain June 20, 1936
1 Claim. (Cl. 148—21)

A method of producing a rail for supporting a machine tool which comprises casting molten

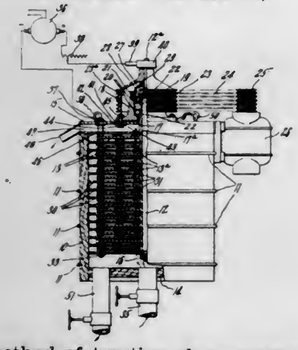
iron against a chill to form gray iron having a hardened surface, and subsequently hardening said densified surface by locally heating said surface to a comparatively high temperature and thereafter cooling the locally heated surface.

2,154,948

METHOD AND APPARATUS FOR BLUNGING AND DECOLORIZING CLAY OR THE LIKE

Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts

Application May 8, 1937, Serial No. 141,496
12 Claims. (Cl. 204—1)



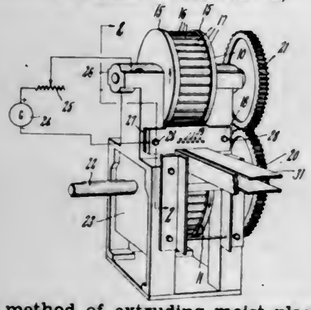
1. A method of treating clay carrying colored impurities of the nature of ferric oxide, which comprises treating such clay as an acidic aqueous suspension containing an electrolyte, which is capable of generating nascent reducing agent at a cathode and reducing ferric iron to the ferrous state, between at least one pair of relatively moving electrode surfaces clearing each other by a narrow gap, at least one of which electrode surfaces is a cathode, thereby subjecting the clay particles to hydraulic shearing action while simultaneously exposing the clay particles to the nascent reducing agent being generated at said cathode surface and thus reducing and dissolving as substantially colorless compounds in the aqueous suspending medium the colored impurities carried by said clay.

2,154,949

ART OF EXTRUDING MOIST PLASTIC MATERIAL

Sanford C. Lyons, Bennington, Vt., assignor to Bird Machine Co., Walpole, Mass., a corporation of Massachusetts

Application May 12, 1937, Serial No. 142,179
5 Claims. (Cl. 204—1)



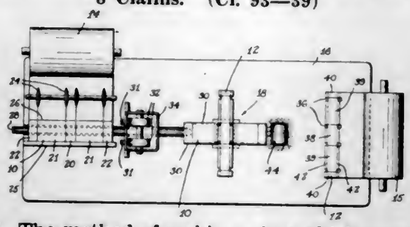
1. A method of extruding moist plastic material involving the feeding of such material into a nip defined by propelling members and the extrusion of such material as it issues under pressure from the nip through a perforated die, which comprises impressing the surface of said propelling members with a positive electric charge and said die with a negative electric charge as the moist plastic material is being fed into the nip of said members and is being extruded through said die, thereby attracting moisture from such material to the negatively charged die walls, including its perforation walls, and thus lubricating such walls to maintain them in substantially unfouled condition while diminishing slippage of said material on said propelling surfaces by reason of attraction of the material to said positively charged surfaces.

2,154,950

METHOD OF MAKING BOXES

Kenneth W. Macdonald, Watertown, Mass.

Application December 16, 1936, Serial No. 116,132
8 Claims. (Cl. 93—39)



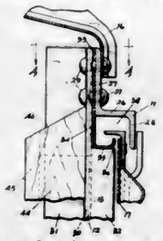
1. The method of making a box which consists of providing blank stock at two relatively spaced points, moving two blanks respectively from said points along predetermined paths to a common center wherein one blank extends transversely of and is partly superposed in face to face contact on the other blank, applying adhesive at said paths to certain faces which are in contact with opposed faces of the other blank when the blanks are in box form, folding the non-superposed portions of the blanks into position bringing certain of said faces into contact, and sealing the blanks together by the application of opposed pressure to the overlapped and adhesive treated portions thereof.

2,154,951

RAILWAY CAR DOOR AND SIDE FRAME CONSTRUCTION

Gabriel Madland and Thorvald Madland, Chicago, Ill., assignors to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application May 26, 1936, Serial No. 81,898
10 Claims. (Cl. 105—409)



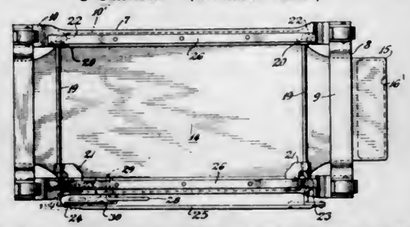
7. In a railway car having a side wall comprising a side plate extending substantially from end to end of said car and spaced door posts, said side plate including an inner vertical flange of sufficient height to accommodate a plurality of vertically spaced securing means, an outwardly extending web and an outer vertical flange, said web and outer flange extending outwardly from said side wall, said door posts extending upwardly in overlapping relationship with said inner vertical flange, a plurality of vertically spaced rivets directly securing together the overlapping portions of said posts and said inner flange of said side plate, a bottom supported door slidably mounted upon the outside of said side wall, the upper margin of said door being disposed inwardly of and in overlapping relationship with said outer vertical flange of said side plate for the purpose set forth.

2,154,952

REPAIRMAN'S CREEPER

William Mahloch, Chicago, Ill.

Application April 16, 1938, Serial No. 202,531
3 Claims. (Cl. 280—61.5)



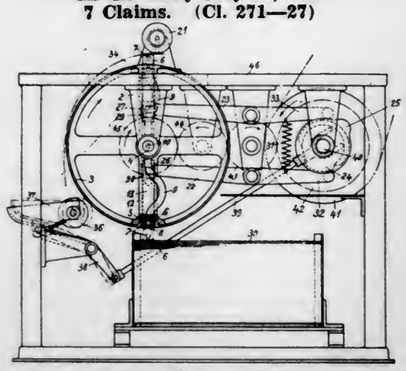
3. In a creeper structure, anti-creeping means comprising, a number of cam-footed supports, a handle parallelogramically connected to said cam-footed supports, and flexible spring means, for intercepting engagement of the said cam-footed members, with the ground.

2,154,953

TUBE MAKING MACHINE

Christian Majer, Tubingen-on-the-Neckar, Germany

Application July 23, 1938, Serial No. 220,936
In Germany July 29, 1937
7 Claims. (Cl. 271—27)



1. In a machine for producing paper tubes from blanks heaped up in a pile, a device for lifting the actually uppermost blank from the pile of blanks, pasting said blank and delivering said pasted blank to the machine for further treatment, said device comprising in combination a conveying element having two recesses in its outer surface, two suction bars one shiftably mounted in each of said recesses and each adapted to suck-on the uppermost blank from the pile of blanks when the conveying element reaches and moves over said pile, a pasting roller in the path of movement of said uppermost blank in close proximity to the surface of said conveying element and adapted to paste said blank during the rotation of said element, and a winding device adapted to wind said pasted blank, and means for successively moving one of said bars outwards to deliver said pasted blank to said winding device at the moment the other bar is sucking a fresh blank from the pile.

2,154,954

METHOD OF PRODUCING A RESIN

Howard R. Moore, Dayton, Ohio, assignor, by mesne assignments, to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

No Drawing. Original application November 30, 1936, Serial No. 113,434. Divided and this application March 29, 1937, Serial No. 133,655
8 Claims. (Cl. 260—22)

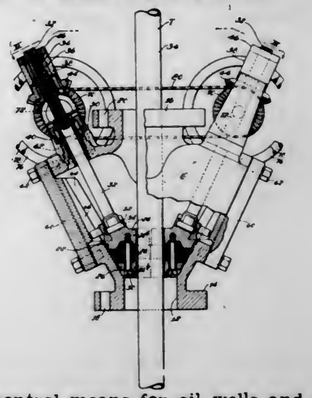
1. In a method of making a wrinkling resin varnish, mixing vegetable drying oils including tung oil and non-frosting drying oil fatty acids with glycerin and a primary resin of the group consisting of rosin modified and ester gum modified phenol formaldehyde condensation products, reacting the mixture at a temperautre of from 480° to 495° Fahrenheit for approximately fifteen to twenty-five minutes and thereafter incorporating phthalic anhydride and continuing the polymerization at a temperature of from 437° to 440° Fahrenheit, and thereafter blowing with air to aerate the product.

2,154,955

WELL CASING CONTROL VALVE

Richard W. Mueller and Guy F. Carle, Pittsburgh, Pa., assignors to Kerotest Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

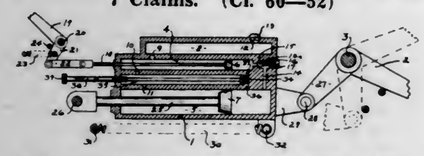
Application February 2, 1937, Serial No. 123,616
3 Claims. (Cl. 251—51)



1. A control means for oil wells and the like comprising a housing adapted to be secured to the well casing, said housing having a downwardly and inwardly inclined substantially conical surface, a plurality of packed rams each having segmental substantially conical surfaces slidably received on the substantially conical surface of the housing, means removably secured to the rams for simultaneously moving them downwardly on the inclined substantially conical surface of the housing to clamp the rams around a drill string or the like extending upwardly through the housing and to tightly seal between

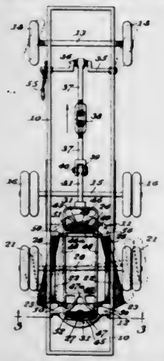
the housing and the drill string, and side plates on the housing and forming a part of the substantially conical surface thereof which are readily removable to facilitate changes of ram sizes.

2,154,956
HYDRAULIC PRESSURE MULTIPLYING MECHANISM
Herbert E. Page, Syracuse, N. Y.
Application May 4, 1938, Serial No. 206,006
7 Claims. (Cl. 60—52)



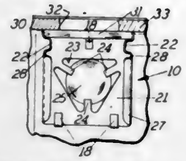
1. In a pressure multiplying mechanism, the combination of a shiftable body element including piston chambers, and a reservoir for a hydraulic fluid for supplying the fluid to the chambers, pistons working respectively in the chambers, a part to be actuated, one of said pistons being a prime mover operating to shift the body, a transfer passage connecting the chambers, yieldable means for restraining the movement of the fluid from the prime mover chamber to the other chamber, operable to close said passage during preliminary movement of the prime mover for freely actuating said part, and to yieldingly open when said part encounters resistance causing the fluid to be forced by the prime mover, through the transfer passage into the other chamber and effect relative movement of the body and the piston in said other chamber, and means for transferring the shifting movement of the body and said relative movement to said part.

2,154,957
PIVOTED AXLE FOR MOTOR VEHICLES
Henry Pinard, Manchester, N. H.
Application May 1, 1937, Serial No. 140,108
4 Claims. (Cl. 280—97)



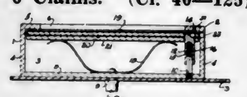
1. In an automotive vehicle having a chassis frame, front and rear cross members attached to the rear of said chassis frame each having an arcuate slot therein, a carriage having front and rear pins for sliding in said arcuate slots, an auxiliary set of wheels mounted on said carriage, means for engaging one pin at a time on said carriage and holding it firmly to provide a fixed pivot point for said carriage and wheels, and means for shifting said engaging means from one pin to the other when the direction of travel of the vehicle is reversed.

2,154,958
VIEW FINDER FOR CAMERAS
John K. Polhemus, Binghamton, N. Y., assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application December 1, 1937, Serial No. 177,572
4 Claims. (Cl. 88—1.5)



1. In a device of the character described in combination, a camera front having an aperture therein, tongues struck from said front adjacent said aperture, a plate having an aperture therein adapted to be held interiorly of said camera adjacent said front by said tongues, said apertures being aligned, tongues formed integral with said plate adjacent said aperture in said plate, a lens secured between said aligned apertures by said second mentioned tongues, said plate having inturned portions provided with aligned grooves, angularly disposed with respect to said front, and reflecting means positioned in said grooves.

2,154,959
IDENTIFICATION DEVICE
Clyde O. Roose, Elyria, Ohio
Application November 17, 1937, Serial No. 175,055
6 Claims. (Cl. 40—125)

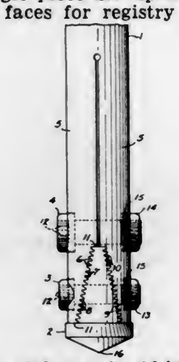


1. An identification means comprising a plurality of identification plates each having a locking aperture therein, a retaining device for permanently locking and inclosing said plates, said retaining device comprising a receptacle adapted to be secured to an apparatus to be identified, and having a slot in one face arranged for receiving the plates, one by one, edgewise, and an inspection window in another face, a locking pin, means resiliently supporting said pin within the said receptacle for movement toward and away from the window and constraining the pin from rotation, said pin normally obstructing the path of insertion of the plates and arranged to be displaced from obstructing position temporarily by each plate during insertion thereof, and arranged to register with the said locking apertures when the plates are fully inserted and to enter said apertures and thereby permanently lock the said identification plates within the said receptacle, said pin having its face adjacent the window sloping away from the window and facing toward said slot, and spring means adapted to hold the said identification plates in close proximity to the window.

2,154,960
PERCUSSION DRILL
Ray R. Sanderson, Orrville, Ohio
Application January 9, 1936, Serial No. 58,356
8 Claims. (Cl. 255—63)

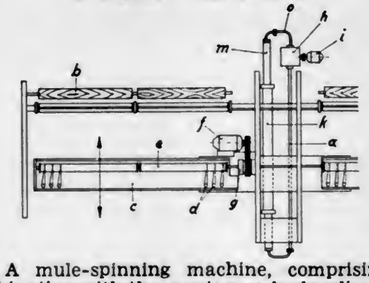
1. A drill bit assembly, comprising a drill bit blade having top and bottom impact faces normal to the axis of said blade, a plurality of overlapping impact faces disposed between said top and bottom impact faces and forming a part

of said bit blade, a plurality of bit blade inclined slip faces alternated with said impact faces and of substantially equal areas and of a uniform inclination on either side of the axis of said bit blade, a single piece bit tip having top and bottom impact faces for registry with said top



and bottom impact faces of said bit blade, a plurality of bit tip inclined slip faces alternated with said bit tip impact faces and of substantially uniform inclination and equal areas on either side of the axis of said bit tip, and means for securing said bit tip to said bit blade.

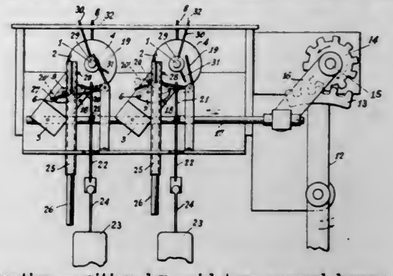
2,154,961
MULE-SPINNING MACHINE
Fritz Felix Schubert and Richard Alfred Schütze, Chemnitz, Germany, assignors to Sächsische Textilmaschinenfabrik vorm. Rich. Hartmann, Aktiengesellschaft, Chemnitz, Germany
Application August 14, 1937, Serial No. 159,122
In Germany October 25, 1936
2 Claims. (Cl. 57—40)



1. A mule-spinning machine, comprising in combination with the carriage, a hydraulic device directly connected with said carriage, a fluid pump cooperatively connected to said device, and means for regulating the delivery of said pump for regulating and reversing said device for running said carriage in and out.

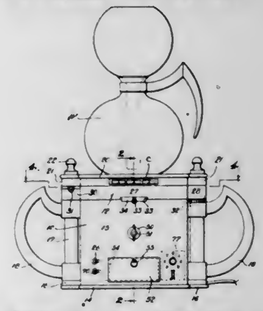
2,154,962
DEVICE INTENDED PREFERABLY TO INDICATE THE IMMEDIATE CONTENTS IN CONTAINERS
Bernt Skaraas and Erik Danielsson, Stavanger, Norway
Application November 25, 1936, Serial No. 112,694
In Norway April 11, 1936
7 Claims. (Cl. 116—114)

1. In a device of the kind referred to and having a rotatable indicator shaft carried by a support and a ratchet wheel mounted on said shaft, the combination of: a swingable pivot member; a pawl carried by said pivot member and said pawl being associated with said ratchet wheel; a two-armed lever pivoted to said support; a pivoted lever carried by said support adjacent said pawl, said lever being normally held in an in-



operative position by said two-armed lever; and means for moving said two-armed lever so as to release said pivoted lever to cause said pawl to engage said ratchet wheel, during swinging of said pawl pivot in one direction so as to rotate said indicator shaft.

2,154,963
DEVICE FOR PREPARING COFFEE
William F. Swager, Los Angeles, Calif., assignor of one-half to Harold G. Fitzgerald, Los Angeles, Calif.
Application July 14, 1934, Serial No. 735,269
2 Claims. (Cl. 34—23)

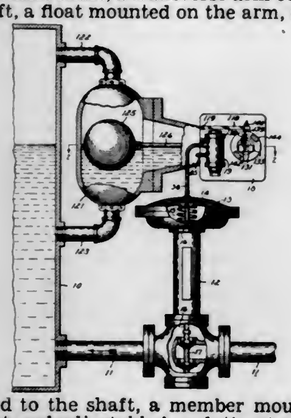


1. In a device of the character described a case, a heating element in the case, a tray for containing coffee beans carried by the case for movement between a position adjacent the heating element where the beans may be roasted and a position removed from the heating element where the beans may be examined, an agitator in the tray, power means in the case for operating the agitator when the tray is in the first named position, means normally tending to move the tray to the last named position, and means for holding the tray stationary in the first named position automatically releasable at the end of a selected period of time to allow the tray to move to the last named position.

2,154,964
VALVE MECHANISM
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Original application August 2, 1933, Serial No. 683,365, now Patent No. 2,078,106, dated April 20, 1937. Divided and this application March 3, 1937, Serial No. 128,716
3 Claims. (Cl. 137—101)

1. A valve mechanism comprising a casing shaped to provide a chamber for fluid under pres-

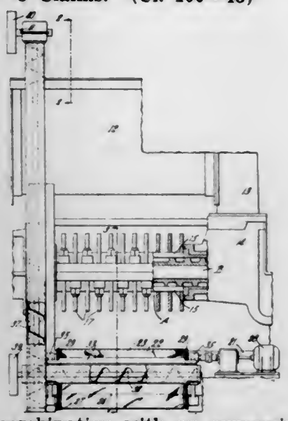
sure, means including a device responsive to the pressure in the chamber and operative to maintain said pressure at a predetermined value dependent upon the loading of said device, a horizontal rotatable shaft, a transverse arm connected to the shaft, a float mounted on the arm, a bracket attached to the shaft, a member mounted on the bracket and adjustable in relation to the axis of the shaft, a lever connected with said device to load the same, and a coiled tension spring connecting the member with the lever, whereby the fluid pressure maintained in the chamber will be dependent upon the position of the float.



2,154,965
FOOTS-REMOVING MEANS FOR EXPRESSING PRESSES

Charles B. Upton, Piqua, Ohio

Application February 11, 1935, Serial No. 6,016
3 Claims. (Cl. 100—48)

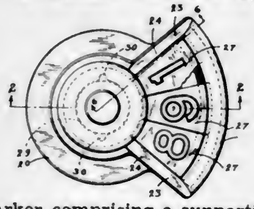


1. The combination with an expressing press comprising a substantially horizontal cylindrical cage, and means for forcing material lengthwise through the cage and subjecting it to pressure to express liquid from the material, said cage having drainage apertures in and distributed throughout a major portion of the area of its peripheral walls for the escape of the expressed liquid, and a receiver for the expressed liquid below the cage, of means for separating from the expressed liquid the foots escaping with the liquid through the cage drainage apertures, comprising a substantially flat travelling screen extending under the cage and over said liquid receiver and having an effective screening area directly underlying the whole apertured portion of the cage, the space between the cage and said underlying screening area being unobstructed so that the expressed liquid can fall from all under-portions of the cage directly and unobstructedly onto and pass through the screen to the liquid receiver, and mechanism which causes said screen to travel continuously during the operation of the press in a direction transverse to the length of the cage for conveying the foots as separated by the screen from the falling liquid out of the field of expressed liquid falling from the cage.

2,154,966
MARKER

Jewell W. Vanderveer, Erie, Pa., assignor to Erie Malleable Iron Company, Erie, Pa., a corporation of Pennsylvania

Application June 27, 1938, Serial No. 216,050
10 Claims. (Cl. 40—140)

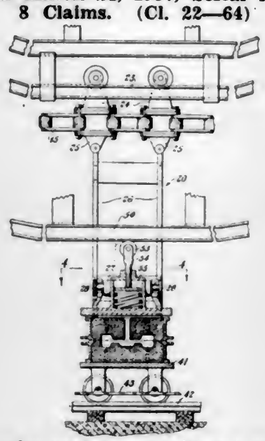


1. A marker comprising a supporting member, a plate mounted thereon, letter blocks on said plate and means on said supporting member for clamping said blocks upon said plate and said plate upon said supporting member.

2,154,967
MOLD CLAMPING MECHANISM

Henry A. Wurster, Cleveland, Ohio

Application March 24, 1937, Serial No. 132,773
8 Claims. (Cl. 22—64)

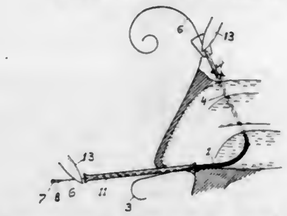


1. A foundry system comprising a series of interconnected mold units arranged to be moved through a pouring station, means to clamp said mold units as they traverse said pouring station comprising a clamp unit support arranged to be moved through said pouring station in synchronism with said mold units, a clamp unit mounted on said support for limited movement with respect thereto, a fixed clamping rail extending along said pouring station arranged to bear against a portion of said clamping unit and move the same into engagement with the upper edges of the flask of said mold units to hold the mold unit in clamped position during the pouring thereof.

2,154,968
PROCESS AND APPARATUS FOR TREATMENT OF DISEASED OBSTRUCTION OF THE LACRYMAL DUCTS

Viljo Verner Alkio, Helsinki, Finland

Application October 1, 1936, Serial No. 103,598
In Finland December 23, 1935
3 Claims. (Cl. 128—348)



1. The method of enlarging and draining the lacrymal duct, consisting in inserting a tube in said duct to preliminarily enlarge the same, thereafter inserting a spiral canula in said duct through the nose and behind the tube, drawing the tube and canula upwardly in the duct, and removing the tube, the canula remaining in the duct for drain of secretion between the spirals of the canula.

2,154,969
RESINOUS COMPOSITIONS

Howard L. Bender, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 13, 1936, Serial No. 68,779
15 Claims. (Cl. 260—18)

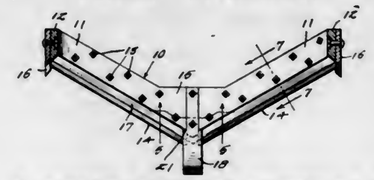
1. A method of making a phenol-oil composition which comprises heating a phenol at a temperature of at least 170° C. with an unsaturated fatty oil in the presence of a weakly alkaline compound less alkaline than the alkaline earth metal oxides.

4. A method of making a resinous composition which comprises heating a phenol at a temperature of at least 170° C. with an unsaturated fatty oil in the presence of a weakly alkaline compound less alkaline than the alkaline earth metal oxides and thereafter heating the product in the presence of a methylene-containing compound.

2,154,970
GRUBBING IMPLEMENT

Robert W. Briggs, Pharr, Tex.

Application May 21, 1938, Serial No. 209,338
8 Claims. (Cl. 97—226.1)

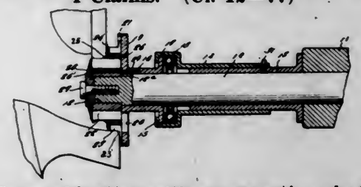


1. A grubbing implement, including a transversely extending beam having upstanding supporting portions, the beam having its forward edge extending forward and convergently to the middle of the beam, the forward edge of the beam being beveled downward and forward, a tooth attached to said beam at the middle thereof and extending forwardly therefrom, said tooth being deflected downward towards its forward end, and a pair of cutting blades disposed one on each side of the tooth and extending parallel to the forward edge of the beam, the blades being disposed on the underface of the beam.

2,154,971
SHOE SOLE AND HEEL EDGE TRIMMING AND FINISHING TOOL

Fausto Bruni, New Brunswick, N. J.

Application March 16, 1937, Serial No. 131,229
4 Claims. (Cl. 12—77)

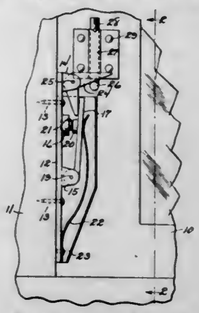


1. In combination with an operating shaft, one end of said shaft being reduced, radial toothed tools mounted on the reduced end of the shaft to rotate therewith, a sleeve member disposed about said shaft and provided at one end with a diametrically enlarged head having an internal channel, a collar member interposed between said tool and said sleeve and provided at one end with a lateral flange engaging in the channel of said head, and a thrust bearing arranged in said channel between said flange and one side of the channel.

2,154,972
BURGLAR ALARM

Jerome V. Caneghem, Philadelphia, Pa.

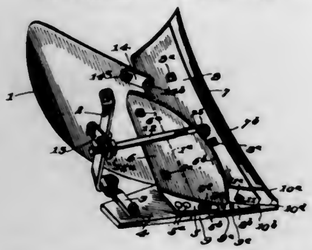
Application December 6, 1937, Serial No. 178,421
1 Claim. (Cl. 116—87)



A burglar alarm comprising a bracket plate provided at its upper end with a hinge ear and near its lower end with hinge ears, said ears extending from the face of the plate, an explosive cap receiving cylinder disposed on the face of the plate between the upper and lower ends, a hammer pivoted at its lower end to and between the hinge ears near the lower end of the plate and having an enlarged portion disposed at said cylinder forming a firing pin, a leaf spring secured at its lower end to the lower end of the bracket plate and having its upper end disposed in contact with the front side of the hammer, said spring constantly tending to urge the hammer in the direction of the cylinder, a trigger of angular formation pivoted to the upper hinge ear, one arm of the trigger being arranged in contact with the rear face of the upper end of the hammer, a block secured to a closure member, a trip bar slidably mounted in said block, the bar being L-shaped in formation, one leg of said bar being disposed in engagement with the other arm of

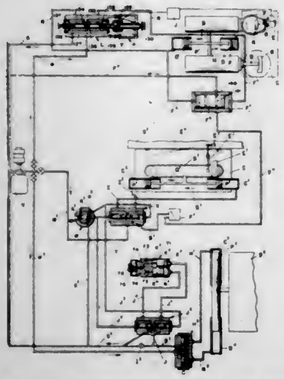
said trigger, the engagement of the trigger with the trip bar moving the hammer outwardly against the tension of the spring and then release the hammer to permit the hammer being moved by the spring in a direction to explode the explosive cap.

2,154,973
PLOW
Harry Chibnik, Sioux Falls, S. Dak.
Application September 15, 1937, Serial No. 164,052
16 Claims. (Cl. 97—113)



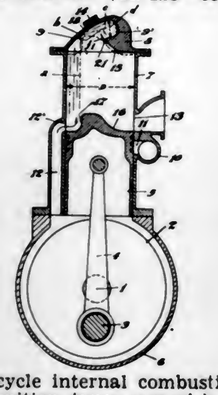
1. In an agricultural plow; a mold board; a landside having its outer face recessed adjacent the plow point; a plowshare removably secured to the mold board and having a flange overlapping the recessed portion of the landside; a replaceable frog overlying the flange and filling the recess; interengaging means carried by the frog, flange, and recessed portion; and a replaceable plow point member secured to the plow and overlying the plow share and frog.

2,154,974
DUPLICATING MACHINE
Everett J. Cook, Toledo, Ohio, assignor to H. H. Buggie & Company, Toledo, Ohio, a corporation of Ohio
Application January 11, 1937, Serial No. 120,134
40 Claims. (Cl. 90—13.5)



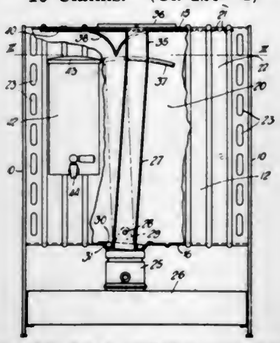
14. In a duplicating machine, the combination with means for supporting a pattern and a work blank, of a cutter movable into and out of engagement with the work, an optical unit having means for casting a beam of light on the pattern to produce an image on one surface of the pattern and having a light sensitive cell controlled by the reflection of light from the pattern, and fluid pressure actuated means controlled by the optical unit for moving the latter and tool as a unit relative to the pattern and work respectively.

2,154,975
TWO-CYCLE ENGINE
Léon Dufour, Versoix, Switzerland
Application February 18, 1937, Serial No. 126,460
In Germany December 29, 1936
5 Claims. (Cl. 123—65)



1. A two-cycle internal combustion engine of the spark ignition type, comprising a cylinder, a piston operable therein, piston controlled inlet and exhaust ports in the cylinder, a cylinder head forming an explosion chamber, the wall of said chamber being constructed as a spiral beginning at the side of the cylinder opposite the exhaust port, the inner end of said chamber forming a substantially cylindrical pocket, said pocket being offset relative to the axis of the cylinder and being terminated by a nose extending above the internal part of the cylinder, the cylinder head having a downwardly extending, curved surface connecting said nose of the cylindrical pocket to the exhaust port side of the cylinder wall, a deflector on the top of the piston for directing the stream of fresh gases towards the spiral wall of the explosion chamber and into said cylindrical pocket to form therein a whirling movement, said deflector being arranged to arrive laterally of the cylindrical pocket when the piston is at the end of the compression stroke and to substantially confine the compressed charge in said pocket without penetrating into the cylindrical area of the pocket and disturbing the whirling movement of the compressed charge.

2,154,976
PORTABLE HEAT RADIATOR
Carl August Eck, Stockholm, Sweden
Application June 8, 1937, Serial No. 147,153
In Sweden September 14, 1936
16 Claims. (Cl. 126—4)



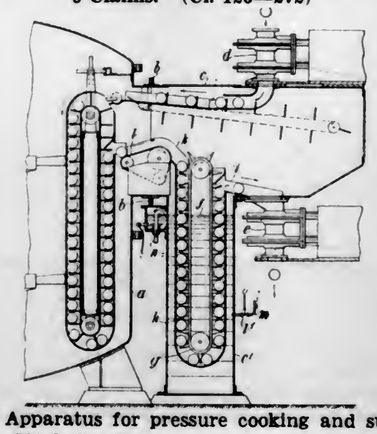
2. A portable heat radiator, comprising a radiator body having inlet and outlet for the surrounding air for circulation through the body, a burner located beneath and outside the radiator body, a flue-pipe extending from said burner through the interior of the body, a cooking plate at the top of the body, and means to conduct the flue gases from the flue-pipe alternatively substantially into the interior of the body or substantially to said cooking plate or to both of said places of heat consumption.

2,154,977
DETERGENT PRODUCT AND PROCESS OF MAKING SAME
Reginald Furness, Warrington, and Arthur Fairbourne, Bebington, England, assignors to Lever Brothers Limited, Port Sunlight, England, a company of Great Britain
No Drawing. Application August 20, 1935, Serial No. 37,040. In Great Britain September 4, 1934
8 Claims. (Cl. 87—5)

1. A detergent product which is in the form of a dry free-flowing powder and comprises a substantially water-soluble polyglycerol fatty acid ester containing unesterified hydroxyl groups, said ester being normally of viscous consistency, in intimate admixture with at least one of the soluble sulphates selected from the group consisting of sodium sulphate, potassium sulphate, ammonium sulphate and magnesium sulphate, the quantity of soluble sulphate being sufficient to constitute the product dry and free-flowing.

8. A process for the production of a dry free-flowing detergent powder comprising mixing a substantially water-soluble polyglycerol fatty acid ester containing unesterified hydroxyl groups, said ester being normally of viscous consistency, with at least one of the soluble sulphates selected from the group consisting of sodium sulphate, potassium sulphate, ammonium sulphate, and magnesium sulphate, and water in such quantity as will produce a stable magma, and spray drying the mixture, the quantity of soluble sulphate being sufficient to obtain the final product as a dry free-flowing powder.

2,154,978
COOKING, HEATING, OR LIKE APPARATUS FOR TREATING TINS OF FOOD OR OTHER ARTICLES
Herbert Dan Galvin, London, England, assignor to L. C. Engineering Supplies Limited, New Malden, Surrey, England
Application September 22, 1936, Serial No. 102,026
In Great Britain October 18, 1935
6 Claims. (Cl. 126—272)



1. Apparatus for pressure cooking and subsequent cooling of hermetically sealed cans comprising in combination a cooking chamber and a cooling chamber adapted to contain a cooling medium immediately adjacent the cooking chamber, the two chambers having free communication with each other at the top and the cross sectional area of the cooling chamber being small compared with its depth so that only a relatively small surface of the cooling medium is exposed to the heat of the cooking chamber, the cooling chamber being closed except for its communication with the cooking chamber.

2,154,979
PROCESS FOR THE MANUFACTURE OF A 3-ALKOXY-4-HYDROXY-BENZALDEHYDE
Christo Nikoloff Geneff, Sofia, Bulgaria
No Drawing. Application March 13, 1936, Serial No. 68,778. In Switzerland March 26, 1935
4 Claims. (Cl. 260—600)

2. A process for the manufacture of a 3-alkoxy-4-hydroxy-benzaldehyde which comprises heating 3 - alkoxy - 4 - hydroxy-phenyltrichlormethyl carbinol in an aqueous medium containing an alkali metal hydroxide and an oxidizing agent in contact with copper as a catalyst.

2,154,980
REMOVABLE WATER-COOLED SLAG POT
Harry Fulton Gibbs, Warren, Ohio
Application February 25, 1938, Serial No. 192,656
2 Claims. (Cl. 263—47)



1. A slag pot for a furnace adapted to be placed on a buggy comprising, a hollow bottom member having its ends open outwardly of its end-walls and aligned apertures in its opposite side-walls communicating with the openings in the ends thereof, hollow side-walls resting on the bottom member and having their ends open outwardly of their end-walls and apertures in their side-walls communicating with the openings in the ends thereof, hollow end-walls disposed between the side-walls and resting on the bottom member, said end-walls having their ends open outwardly of their end-walls and communicating with apertures in the side-walls thereof, plates secured to the outer sides of the side-walls adjacent their lower corners and having apertures therein registering with the apertures in the side-walls of the bottom member, elongated bolts disposed in the open ends of the bottom member and extending through the apertures in the side-walls of the bottom member and aforesaid plates, nuts threadedly disposed on the opposite ends of the bolts, elongated bolts disposed in the open ends of the side-walls and extending through the side-walls thereof, nuts threadedly disposed on the opposite ends of the bolts, independent inlet and outlet water connections communicating with the interiors of the hollow members, and a lining disposed against the inner sides of the hollow members of the pot.

2,154,981

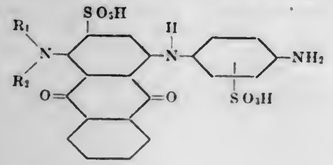
DYESTUFFS CONTAINING SIMULTANEOUSLY RADICALS OF ANTHRAQUINONE DYESTUFFS AND AZO DYESTUFFS AND PROCESS OF MAKING THE SAME

Hans Gubler and Eduard Bernasconi, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Original application October 26, 1935, Serial No. 46,956. Divided and this application March 9, 1937, Serial No. 129,954. In Switzerland November 8, 1934

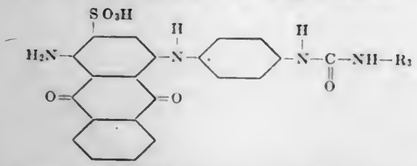
6 Claims. (Cl. 260—207)

1. Process for the manufacture of dyestuffs, consisting in combining blue dyestuffs of the anthraquinone series of the general formula



in which R_1 stands for a member of the group consisting of hydrogen, alkyl, aralkyl and aryl, and R_2 stands for a member of the group consisting of hydrogen and alkyl, with yellow mono-aminomono-azo-dyestuffs with the aid of phosgene.

4. The dyestuffs of the general formula



in which R_3 stands for the radical of a yellow mono-amino-mono-azo-dyestuff, which products are dark powders dissolving in water to green solutions and dyeing textiles consisting of cellulose green tints.

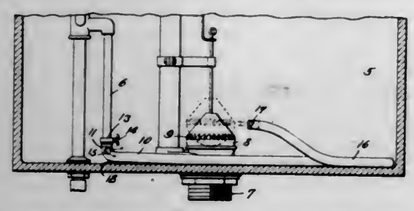
2,154,982

WATER DIVIDER

Frank M. Heath, Silver Spring, Md.

Application July 26, 1938, Serial No. 221,431

5 Claims. (Cl. 4—41)



1. The combination with the water inlet pipe and the ball valve of a flush tank, of a water dividing attachment comprising means for directing water against the ball valve at opposite sides thereof when the ball valve reaches a predetermined position during the downward movement of the valve to its seat, rotating the valve as the ball valve moves to engage its seat.

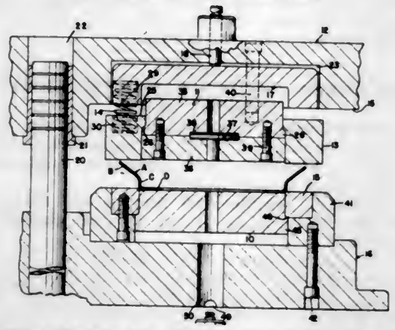
2,154,983

METALWORKING MACHINE

Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application February 15, 1937, Serial No. 125,868

15 Claims. (Cl. 113—46)



1. In apparatus for fashioning a blank having an inwardly directed flange and having an outwardly extending flared portion connected to the inwardly extending flange by an annular portion, a ram movable toward and away from the blank, means effective upon initial movement of the ram toward the blank to exert a yielding pressure on the flared portion tending to bend the latter in the general direction of movement of the ram and effective upon continued movement of the ram toward the blank to positively bend said flared portion, means actuated by the ram to exert a positive pressure on the inwardly extending flange of the blank in timed relation to the operation of the aforesaid means, and means cooperating with both of said means to form the blank to a predetermined cross sectional contour.

2,154,984

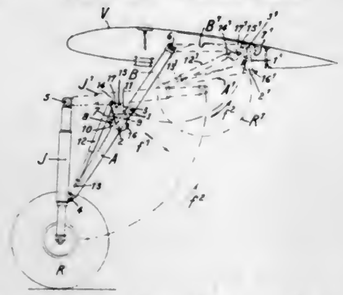
SELF-FOLDING STRUT FOR AIRPLANE LANDING CHASSIS

René Lucien Levy, Montrouge, France, assignor to Société d'Inventions Aéronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland

Application April 2, 1937, Serial No. 134,641

In France May 26, 1936

4 Claims. (Cl. 244—102)



1. A retractable landing chassis for airplanes comprising a carrying strut, a pivotal connection between said strut and a fixed point of the airplane, a self-folding strut including two outer elements and a third coupling element, a separate pivotal connection between each of the two outer elements and said coupling element, means pivotally connecting one end of the self-folding strut to said carrying strut, means pivotally connecting the opposite end of said strut to a fixed point of the airplane, an expansible driving member separate from each of the three elements of the strut and pivotally connected at one end to one of said elements and at the other end to another of said elements, and means separate from said expansible driving member whereby each position of one of the outer elements is caused to correspond to a definite position of the other outer element.

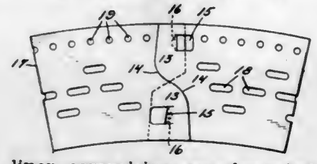
2,154,985

BASKET LINER

Donald E. Lower, Aspers, Pa.

Application January 6, 1937, Serial No. 119,324

5 Claims. (Cl. 217—3)



1. A liner comprising an elongated sheet of flexible material having its ends formed with substantially centrally located abuttingly engageable notches defining end portions adapted to overlap, two diagonally opposite end portions being formed with tongues extending in opposite directions, and the other diagonally opposite end portions being formed with slots for slidably receiving said tongues to permit limited pivoting of the end portions about said notches when said liner is assembled without rupture of the liner, the edges of the outermost end portions being curved adjacent the notches to avoid angular shoulders, so as to prevent catching of the liner onto the wall of a basket when inserted thereinto.

2,154,986

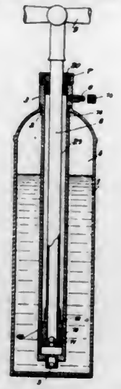
PUMP FIRE EXTINGUISHER

Maurice Mars, Chatenay, France

Application October 3, 1935, Serial No. 43,416

In France October 10, 1934

2 Claims. (Cl. 299—97)



1. An improvement in pump fire extinguishers giving a semi-continuous stream of fire extinguishing liquid comprising a casing forming a reservoir for fire extinguishing liquid, a cylinder positioned through and within said casing, a ball valve mounted within the lower end of said cylinder, packing held within the upper end of said cylinder having a bore formed vertically therethrough, a hollow rod capable of being reciprocated within said packing bore and said cylinder, a piston mounted on the lower end of said rod, a ball valve mounted within the lower face of said piston and open to the interior of said hollow rod, a nozzle mounted within an opening formed in said cylinder externally of said casing, and a port of given diameter formed in said cylinder at a point just within said casing in order that air may be drawn through said nozzle to fill any vacuum created within said casing.

2,154,987

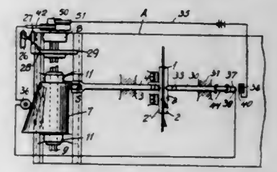
SAW SET DEVICE

Erich Martin, Passau, Germany

Application October 14, 1937, Serial No. 169,031

In Germany October 14, 1936

5 Claims. (Cl. 76—66)



1. In a saw setting device, means to support a saw, a reciprocating tooth setting element, a rotating shaft, a cam drum engaging said element slidably mounted thereon for axial movement and adapted to be rotated thereby, said drum having a circumferential portion that is cylindrical and a remaining portion which is a cam which progressively increases from one end to the opposite end of the drum, and means for longitudinally moving said cam drum whereby said reciprocating element is inactively quiescent in one position of the drum on the shaft and reciprocates in other positions of the drum on said shaft.

2,154,988

METHOD OF REFINING CRACKED OIL BY USING METALLIC SOAPS

Masakichi Mizuta, Marunouchi, Kojimachi-ku, Tokyo, and Teiji Yoshimura, Okubo, Kashiwazaki-Machi, Kariha-gun, Niigata-ken, Japan, assignors to Nippon Sekiyu Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan

No Drawing. Original application August 11, 1934, Serial No. 739,500. Divided and this application April 13, 1937, Serial No. 136,686

1 Claim. (Cl. 196—30)

The method of refining cracked oil, which consists in dissolving oil-soluble heavy metallic soap of oleic acid in a volatile organic solvent which will disperse homogeneously in cracked oil; pouring the solution thus obtained slowly into cracked oil to effect dispersion naturally and homogeneously at room temperature in the cracked oil whereby same will react with the intermingling mercaptans and precipitate same by double decomposition as insoluble metallic salts; separating the precipitate; and distilling the remaining liquor to separate it from the organic solvent.

2,154,989

ATTACHMENT FOR GOLF CLUBS

Charles Henry Moore, Fort Worth, Tex.

Application May 21, 1937, Serial No. 144,042

2 Claims. (Cl. 273—32)

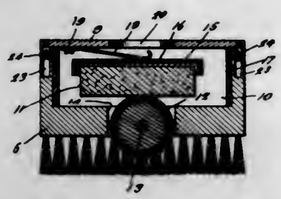
1. A tee pick-up attachment adapted to carry on the upper end of a golf club handle, comprising a tube of flexible material, one end of said

tube adapted to fit over the said handle, the opposite end thereof having a plurality of substantially diametrically arranged openings adjacent its outer edge for holding tees, said open-



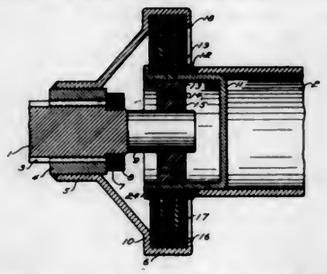
ings having a relatively short, narrow channel leading from the said openings to the said outer edge for admitting said tees to the said openings.

2,154,990
FOUNTAIN BRUSH
Michael Ombrello, New York, N. Y.
Application October 8, 1938, Serial No. 234,034
1 Claim. (Cl. 15—122)



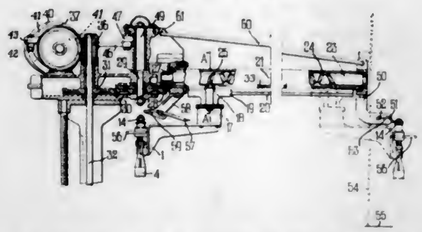
A brush of the class described comprising an open-top box-like head forming a rectangular chamber for containing a bar of soap, said chamber being larger than the bar of soap to permit movement of said bar therein from side to side thereof, and the bottom of the head having a central aperture therein for the discharge of soapsuds therethrough, bristles extending from the bottom of said head, a roller journaled in the bottom of the head, said roller extending into the chamber and supporting said bar in elevated position off said bottom, said roller depending below said bottom for engagement with the floor whereby under movement of the head back and forth said roller is caused to rotate and tend to frictionally drive said bar from side to side of said chamber, a flanged cap-like weight member fitting over said bar and forcing the same into intimate contact with said roller, a cover detachably secured to said head, and a leaf spring attached at one end to the under face of the cover at one side thereof and having a free end bearing on said weight to hold the weight and bar stationary against movement back and forth, said cover being provided with an aperture therein over said free end of the spring for access to said end to raise the same off said weight and release said weight and bar at will for movement back and forth.

2,154,991
FLEXIBLE COUPLING
Joseph E. Padgett, Toledo, Ohio
Application May 25, 1937, Serial No. 144,709
25 Claims. (Cl. 64—11)



1. A disk unit for use in flexible couplings comprising a substantially annular pair of flat resilient rings, flat rigid rings securely bonded on opposite sides of said resilient ring adjacent the outer circumference thereof, a second pair of flat rigid rings spaced a substantial distance radially from said first rigid rings and securely bonded on opposite sides of said resilient ring adjacent the inner circumference thereof, the outer surfaces of each rigid ring on each side of the resilient ring lying in a plane spaced axially from the surface of the resilient ring on that side.

2,154,992
LEHR STACKER
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application February 5, 1937, Serial No. 124,338
In Great Britain February 7, 1936
12 Claims. (Cl. 214—1)



6. A device for delivering glass articles to a lehr comprising a clamp for conveying a glass article, a carrier therefor, a guide for said carrier, a continuously rotating right and left hand continuously threaded spindle on said guide, interengaging means between said threaded spindle and said carrier, means to rotate said carrier through 180° about a vertical axis whilst so engaged, and abutment means adjacent the ends of the guide to close and to open the clamp to cause the same to engage or release a glass article as the carrier reaches the respective ends of said guide.

2,154,993
FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application October 30, 1935, Serial No. 47,489
2 Claims. (Cl. 24—213)

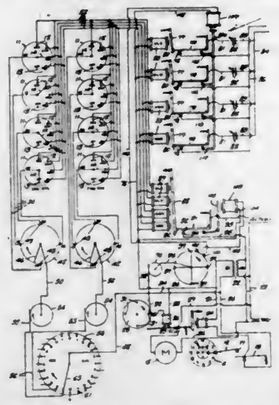
2. A spring stud fastener, comprising a sheet metal disc-like head having a pair of notches

therein, a narrow strip of sheet metal lapping the portion of said head between said notches, and a cap crimped on said head and covering and securing said strip thereto, said strip having its ends arranged to depend from the side of said



head opposite to that lapped by said strip to form a pair of legs constituting the shank of the fastener, said legs contacting at the end of the shank and being outwardly bowed between said end and said head.

2,154,994
RADIO PROGRAM SELECTOR
Paul R. Prescott, Logansport, Ind.
Application September 20, 1938, Serial No. 230,869.
3 Claims. (Cl. 250—20)



1. A radio program selector including a clock having a striking arm adapted to strike quarter hours, an electric motor, a shaft connected to the motor to be driven thereby, a source of electricity, a circuit for the motor connected to the source of electricity, a relay in said circuit, a switch in said circuit adapted to be closed by said striking arm to energize the relay and start the motor, a switch connected to said shaft and connected to the relay for de-energizing the relay to open the motor circuit and restrict rotation of the shaft to quarter turns, a switchboard, a plurality of manually operable dial switches on said switchboard each representing a respective quarter hour period, each dial switch having switch contacts representing respective broadcasting stations selectively receivable during the quarter hour period, tuning circuits, relays controlling the tuning circuits connected to respective ones of the dial switch contacts, rotary quarter hour switches connected to the shaft and each having contacts electrically connected to the contacts of a respective dial switch for completing one of said tuning circuits through a respective dial switch, a rotary hour selector switch connected to the source of electricity and having contacts each representing an hour period electrically connected to respective ones of the quarter hour switches, and ratchet means connected to said shaft for imparting step advance to the hour selector switch each hour.

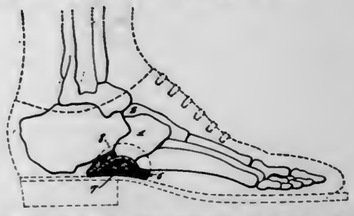
2,154,995
MANUFACTURE OF CALCIUM SULPHITE FILLED PAPER
Francis G. Rawling, Piedmont, W. Va., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 17, 1934, Serial No. 757,888
9 Claims. (Cl. 92—21)

3. The treatment of paper pulp containing calcium sulphite as a filler, comprising the step of beating said pulp in the presence of water and a sufficient quantity of a water soluble non-reducing salt of an acid whose calcium salt is less soluble in water than calcium sulphate to offset the conversion of calcium sulphite to calcium sulphate in said pulp, said salt being capable of reacting with calcium sulphate.

2,154,996
MANUFACTURE OF CALCIUM SULPHITE FILLED PAPER
Francis G. Rawling, Piedmont, W. Va., assignor to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 24, 1938, Serial No. 215,587
11 Claims. (Cl. 92—21)

1. The treatment of paper pulp containing calcium sulphite as a filler, comprising the step of beating said pulp in the presence of water and a reducing agent in an amount effective for retarding oxidation of calcium sulphite to calcium sulphate in order to inhibit foaming.

2,154,997
ARCH SUPPORT
John Francis Schipper, Miami, Fla.
Application July 13, 1936, Serial No. 90,419
1 Claim. (Cl. 36—71)



An arch support comprising a single strip-like piece of sponge rubber having a normally flat lower face and being formed with end portions substantially semi-circular in edge contour, one end portion being larger than the other, said strip having concave and convex side edges connecting said semi-circular edges, said end portions having dome-shaped upper faces with the height of the large end portion being greater than that of the other end portion, and said strip on its upper face being concave longitudinally and convex transversely intermediate said dome-shaped faces.

2,154,998
X-RAY TUBE
Nils Georg Schönander, Stockholm, Sweden
Application April 6, 1937, Serial No. 135,334
In Sweden April 20, 1936
4 Claims. (Cl. 250—145)

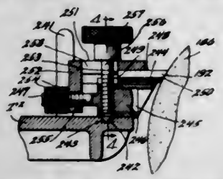
1. An X-ray apparatus comprising, an X-ray tube having a thermionic cathode, an anode, a diaphragm having a slot-shaped aperture, a rec-

tangular image screen, and means for projecting an electron emission from the cathode on to the anode to activate the anode, said means being



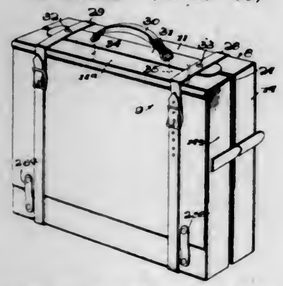
adapted to form a triangular focal spot on the anode coinciding with the optical projection of the image screen on the anode through the diaphragm aperture.

2,154,999
COMPOSING ROOM SAW
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Original application May 21, 1936, Serial No. 81,069. Divided and this application March 12, 1937, Serial No. 130,606
2 Claims. (Cl. 51—92)



1. In a machine of the character described, in combination, a grinding wheel, a table having a guide groove parallel to the axis of the wheel, a trimmer knife holder comprising a body having a tongue, fitting, and slidable in said groove and means to clamp a plurality of trimmer knives to the holder with their non-cutting ends in a plane parallel to the axis of the wheel and having recesses in its top surface to receive trimmer knives each with its axis at right angles to a plane containing the axis of the wheel, an inverted L-shaped clamp member having a shoulder on the underside of its horizontal leg engaging the non-cutting ends of the knives, means cooperating with the vertical leg of the member supporting the same for adjustment toward and from the wheel and means to lock the member in adjusted position with the knives clamped in the groove by said horizontal leg.

2,155,000
PHOTOGRAPHIC DEVELOPING AND FIXING APPARATUS
Phil A. Sheridan, Bethesda, Md.
Application September 24, 1938, Serial No. 231,580
11 Claims. (Cl. 95—99)



1. A photographic tray having front, back, side and bottom walls defining a rectangular chamber of relatively shallow depth and adapted to contain a photographic solution, a fixed cover member cooperating with said side and back walls and closing the rear portion of said chamber, a roller carried by said side walls and positioned adjacent the top of the front wall, a cover for closing the remainder of said chamber, said cover having its forward edge curved to conform to the curvature of said roller, and a plurality of resilient members connecting said cover and cover member and normally serving to maintain the cover closed with the curved edge thereof in contact with the surface of said roller, whereby excess photographic solution may be removed from prints as the latter are removed from the tray.

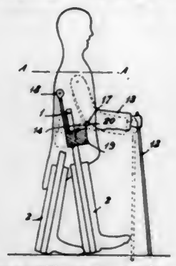
2,155,001
AZO DYESTUFFS
Max Schmid, Riehen, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application May 14, 1937, Serial No. 142,719. Divided and this application January 5, 1938, Serial No. 183,534. In Switzerland November 6, 1935
8 Claims. (Cl. 260—159)

1. The sulfonated asymmetrical azo-dyestuffs containing at least two azo-groups of the general formula



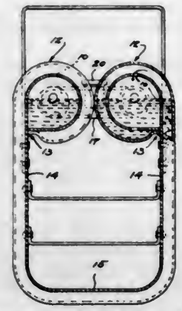
in which *y* stands for a member of the group consisting of H, methyl, phenyl, COOH and COO—alkyl, R stands for a nucleus selected from the group consisting of aromatic nuclei of the benzene and naphthalene series, R_1 stands for an aromatic nucleus selected from the group consisting of aromatic nuclei of the benzene and naphthalene series, which dyestuffs are soluble in water with formation of yellow to orange, to brown, to blackish and to green solutions, and dyeing the fiber similar tints of good fastness which can be after-treated with copper.

2,155,002
ANIMATED TOY
Jacques Villeméjane, Paris, France
Application April 16, 1936, Serial No. 74,745
In France March 12, 1936
16 Claims. (Cl. 46—150)



1. A toy representing an animated figure, and especially a walking doll, which comprises, in combination, a body, two legs pivoted to said body about a common axis transverse to the direction of travel of the toy, two feet carried by the lower ends of said legs, respectively, the under faces of said feet, adapted to bear upon the surface on which the toy is moving, having the shape of elements of cylinders having their generatrices parallel to said axis, and means for imparting reciprocating opposed movements to said legs respectively about said axis, the whole toy while in motion having its center of gravity constantly located in a fixed longitudinal plane thereof parallel to said direction of travel and outside of the transverse vertical plane passing through said axis and both of said legs when the latter are located side by side.

2,155,003
EVAPORATOR
John H. Benson, Salem, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application May 17, 1935, Serial No. 21,917
23 Claims. (Cl. 62—126)



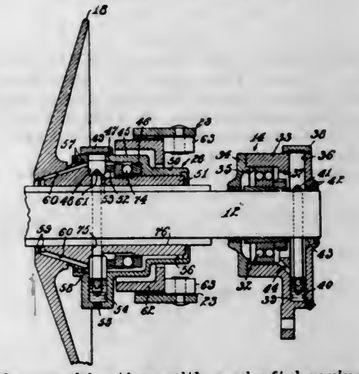
11. As a new article of manufacture, a refrigerant evaporator formed of extruded metal and including refrigerant circulating and spreading means in the general form of a single sheet and shaped to form the main walls of a sharp freezing chamber, and including a plurality of conduits integrally formed in said sheet, at least one of the ends of said sheet being extended past one of said walls and shaped to form a header.

2,155,004
BRUSH
James E. Blossom, Chicago, Ill.; Mary M. Blossom, Cook County, Ill., administratrix of James E. Blossom, deceased
Application September 22, 1937, Serial No. 165,010
5 Claims. (Cl. 15—166)



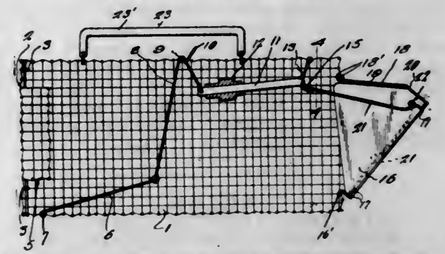
1. A guide element for cooperation with a soft bristle lettering brush and comprising a body part adapted for mounting on the brush handle and an outer part for overlying the brush bristles, said outer part terminating in a straight contact edge and being slitted longitudinally inwardly from said edge to leave a row of teeth, said slits serving as reservoirs for marking fluid to be fed to the bristles and said edge being adapted to engage with the surface to be marked to guide the movement of the bristle ends over said surface and to determine the width of the line marked by the bristle.

2,155,005
OILING SYSTEM
Harry E. Brooks, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application September 9, 1935, Serial No. 39,808
7 Claims. (Cl. 184—6)



1. The combination with a shaft bearing, of a housing enclosing said bearing, said housing providing a chamber immediately surrounding said bearing, and an enlarged chamber axially spaced from said first-named chamber, means for substantially maintaining a predetermined level of liquid lubricant in said enlarged chamber below said bearing, and means for lifting lubricant to the level of said bearing, said housing being formed with a passage leading radially outward from said first-named chamber to said enlarged chamber.

2,155,006
ANIMAL TRAP
Sutton Cooper, Evansville, Ind., assignor of one-half to Edward A. Lorch, Evansville, Ind.
Application April 4, 1938, Serial No. 199,965
4 Claims. (Cl. 43—61)



1. A trap of the class described, comprising a casing body formed of wire mesh and having its rear end open and having an opening in its front, a door closing the rear opening, a bait holder connected with the door, a housing projecting from the front of the trap and having an upwardly and outwardly extending front provided with a door opening, a door hinged at its upper end to the front top portion of the housing and closing the door opening by gravity, a trigger plate hinged to the top of the body and having a forwardly sloping lower end for supporting the free end of the gravity door when the same is

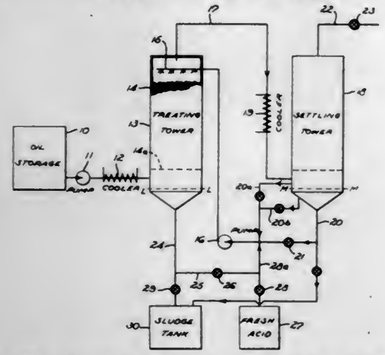
raised, a weighted rod connected to the trigger plate and extending rearwardly, a cable connected with the rear end of the rod, an upper pulley over which the cable passes, and a hinged platform in the rear of the body to which the cable is connected, the rod normally holding the platform in raised position with the trigger plate holding the gravity door raised, and said rod being adapted to move the trigger plate to releasing position when pulled upon by the cable being pulled by the lowering of the platform, under the weight of an animal.

2,155,007

SULPHURIC ACID TREATMENT OF OILS

Thomas Oliver Edwards, Jr., Associated, and David Dewey Stark, Watson, Calif., assignors, by mesne assignments, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware

Application August 17, 1936, Serial No. 96,408
6 Claims. (Cl. 196—40)



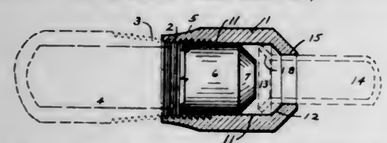
1. The process of selectively polymerizing sulphur compounds in hydrocarbon oils, which comprises: flowing a stream of oil cooled to a temperature between 0° F. and 40° F. upwardly through a series of treating towers containing contact material and simultaneously flowing a stream of sulphuric acid sludge through said towers countercurrent to said oil stream and over said contact material, cooling the oil intermediate two towers in the series, and maintaining the inlet and outlet temperatures of the oil from each tower substantially constant by passing the acid sludge from the lower part of one tower to the upper part of a succeeding tower in its direction of flow together with a volume of said cooled oil between about one-half to ten times the volume of the initial oil stream.

2,155,008

FLEXIBLE ADAPTER COUPLING

Morris Aubrey Elliott, Baltimore, Md.

Application July 5, 1938, Serial No. 217,507
2 Claims. (Cl. 285—87)



1. A connector for attaching hard-material and soft tubing together, comprising in combination, a shell having an internal passage therethrough, one end portion of which is screw-threaded and the other end portion bevelled to a constricted opening, said shell having its screw-threaded portion rendered flexibly stretchable, a hollow bolster member adapted for insertion in the shell passage with one end portion bevelled similarly to the bevel of the shell for engaging tubing placed therein and tightening thereon, the other end portion of the bolster member being arranged to receive the end of piping threaded into the shell and be forced tightly on the tubing, and fins on the bolster member for locking the said piping thereto, and causing the said member to grind into the tubing as the piping is threaded therein.

2,155,009

MANUFACTURE OF POLYMERIZED DRYING OILS

Eric William Fawcett, Reginald Oswald Gibson, and Michael Willcox Perrin, Winnington, Northwich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 5, 1936, Serial No. 62,544. In Great Britain February 15, 1935

6 Claims. (Cl. 260—407)

1. The process of converting drying oil fatty acids into a polymerized drying oil, which comprises polymerizing such acids by subjecting them to the action of heat at a temperature of at least approximately 260° C., and of a pressure of at least about 500 atmospheres, for a time sufficient to effect substantial polymerization of the fatty acids, recovering the resulting polymerized drying oil fatty acids and esterifying them to produce a polymerized drying oil.

2,155,010

INSECTICIDE

Andrew F. Freeman, Hyattsville, Md.; dedicated to the free use of the People in the territory of the United States

No Drawing. Application April 1, 1938, Serial No. 199,448
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1938; 370 O. G. 757)

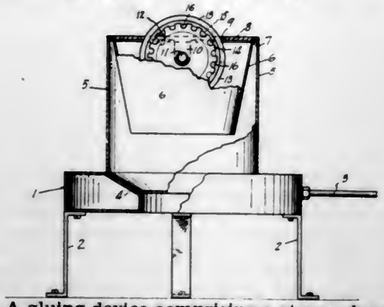
An insecticide containing as its essential active ingredient N-nitrosodiphenylamine.

2,155,011

GLUING DEVICE

Harry A. Green, Portland, Oreg.

Application February 19, 1937, Serial No. 126,723
4 Claims. (Cl. 144—280)



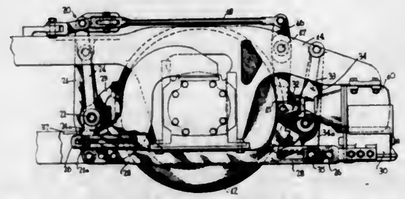
1. A gluing device comprising a steam chamber supporting a water receptacle, a glue pot disposed within the water receptacle and adapted to be heated thereby, a slotted coverplate for the glue pot having a plurality of spaced apart glue applying wheels rotatably mounted thereon and in contact with the glue in the pot, one of said wheels having a smooth periphery and being of greater diameter than that of the other of said wheels, the other of said wheels having a plurality of cup formations around its periphery and adapted to mesh with the dovetail edge of a piece of material.

2,155,012

SLACK ADJUSTER

Henry Kline Harwick, Darby, Pa., and Harrison Ivan Tramblie, Aurora, Ill., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 18, 1936, Serial No. 101,370
Renewed August 25, 1938
9 Claims. (Cl. 188—201)



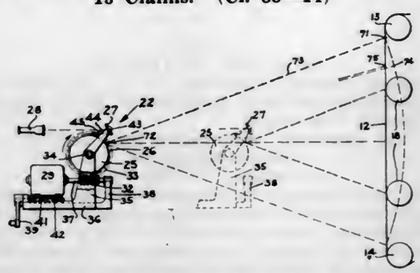
1. In combination with a brake rigging of the class described having relatively adjustable members, a slack adjuster between said members including a sealed housing secured to one member and a plunger secured to the other member, shims in said housing, said plunger extending into said housing and normally holding said shims out of operative position, said shims being free to drop into operative position behind the plunger when the plunger moves outwardly, means to move the plunger outwardly on the occurrence of slack in the brake rigging, cam means to return said shims to the non-operative position and a cam shaft extending through said housing and being substantially sealed therewith so that said housing is maintained substantially moisture free.

2,155,013

OPTICAL DEVICE FOR PRODUCING A SUBSTANTIALLY STATIONARY IMAGE OF SUCCESSIVE SIMILAR AREAS ON A RUNNING WEB

Albert J. Horton, White Plains, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application August 6, 1935, Serial No. 34,886
13 Claims. (Cl. 88—14)



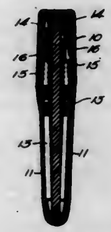
3. Means for observing an image of successive impressions equidistantly spaced on a printed web running in a straight observable path, including a rotatable optical rectifier having a plurality of light reflecting surfaces successively presented by its rotary movement to receive and reflect successive light rays from the moving impressions during their movement throughout the observable path, a reflecting member mounted for oscillatory movement relative to the said optical rectifier and positioned to receive light rays from the reflecting surfaces of the optical rectifier and reflect them to a fixed viewpoint convenient to the eye of an observer, means for rotating the optical rectifier in timed relation with the running web, and separate means for oscillating the reflecting member in timed relation with the operable movement of the optical rectifier and the movement of the web to correct optical errors and produce a stationary image at the said viewpoint.

2,155,014

KEY HOLDER

George J. Howe, Grove City, Pa.

Application December 8, 1937, Serial No. 178,807
2 Claims. (Cl. 150—40)



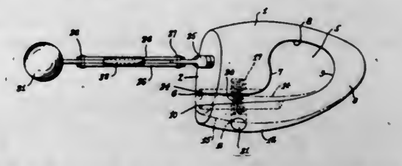
1. A key holder comprising a relatively thick elastic body and a relatively thin elastic closure element formed integral with each other at spaced edge portions of said elastic element whereby said element forms with said body a key receiving pocket, said elastic element having one edge free of said body to permit it to be pulled away from said body whereby a key may be inserted into and removed from said pocket, and an elastic key securing loop arranged in said pocket and formed integral with said body and said elastic element.

2,155,015

VENTILATED SHOETREE

Paul S. Jones, Brockton, Mass., assignor to Jones & Vining, Inc., Brockton, Mass., a corporation of Massachusetts

Application April 22, 1938, Serial No. 203,543
3 Claims. (Cl. 12—128.2)



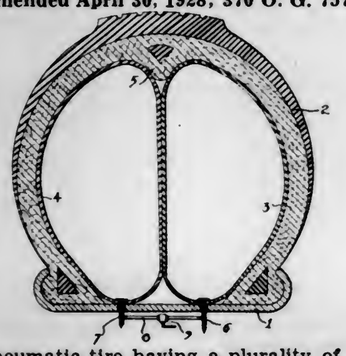
1. A shoe tree of the kind described, having a wooden forepart, with a center portion of the forepart completely removed, and provided with an air circulating channel therefrom, the wood of said forepart being separated at the rear face and integral at the toe portion, and yielding means between said spaced portion adjacent the rear face of the forepart.

2,155,016
SEPARATIVE DIAPHRAGM FOR ELECTROLYTIC CELLS AND PROCESS FOR PRODUCING THE SAME
William E. Kershaw, Gwynedd Valley, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application March 7, 1936, Serial No. 67,659
4 Claims. (Cl. 18—53)



1. The method of making electrolytically permeable microporous separators possessed of mechanical strength which consists in mixing an emulsion of a binder in the discontinuous phase with particles of filler in such proportion that the desired microporosity is provided by the voids between the particles of filler, before setting the binder substantially drying the mixture while the binder is maintained in the discontinuous phase, thereby assembling the scattered particles of binder into individual non-porous bonds confined to the points on the surfaces of the particles of filler which they bond, and subsequently heating the mixture to set the binder.

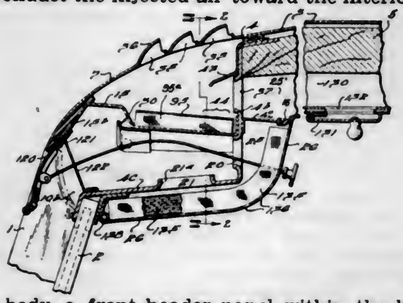
2,155,017
PNEUMATIC TIRE
Albert J. Kramer, Washington, D. C.
Application July 21, 1938, Serial No. 220,429
1 Claim. (Cl. 152—341)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A pneumatic tire having a plurality of inflatable tubes disposed contiguously within a tire casing, said tubes having valve stems, said valve stems having valves, and valved removable tubular means connecting said valve stems at points between the valves and the inflatable tubes.

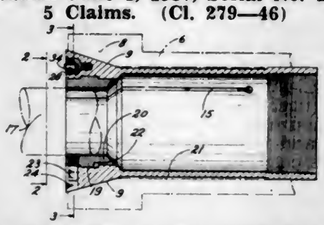
2,155,018
VEHICLE BODY VENTILATION
William Lintern, Cleveland, Ohio, and Alfred R. Lintern, Detroit, Mich., assignors to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application April 6, 1936, Serial No. 72,986, which is a division of application Serial No. 652,624, January 20, 1933. Divided and this application November 27, 1936, Serial No. 112,978
1 Claim. (Cl. 98—2)

In a vehicle body having a front wall and top wall, a hollow header structure including a transverse header member rigidly joined to both said walls, means co-operating therewith to provide an injector inlet passage and injector duct, said duct including an opening through said header member to conduct the injected air toward the interior of



the body, a front header panel within the body and disposed in spaced relation to said header member, an opening through said front header panel, and a reticulated air diffusing body of substantial thickness disposed between said header member and front header panel.

2,155,019
COLLET
Stoddard B. Martin, Lakewood, Ohio
Application June 4, 1937, Serial No. 146,397
5 Claims. (Cl. 279—46)

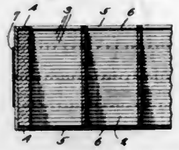


1. In a work holding collet comprising a hollow tubular body having slots extending axially inward from its front face forming a plurality of resilient segments adapted to be forced radially inward to grip work, separate work gripping pads mounted on the inner side of said resilient segments, said segments having openings in their front faces extending outwardly from the interior of said hollow body and extending axially inward from said front faces through a distance substantially less than the axial length of said pads, each of said pads carrying an outwardly extending projection fitting within one of said openings and means to secure each of said projections in its respective opening, said means being accessible from the front face of the collet for manipulation to secure or release the pads.

2,155,020
FRICTION MATERIAL
William Nanfeldt, Clifton, N. J., assignor to World Bestos Corp., Paterson, N. J., a corporation of New Jersey
No Drawing. Application July 3, 1935, Serial No. 29,763
10 Claims. (Cl. 106—7.5)

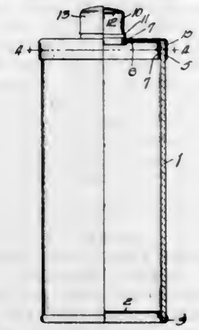
1. A friction lining comprising body material, surfacing material and bonding material, the body material including clay and mica, the surfacing material including iron oxide, and the bonding material including asbestos, sulphur, sulphurized linseed oil and resin, said lining having a hardness of 3 Mohs or less.

2,155,021
SALES CARD
Henry W. Priester, Asheville, N. C.
Application September 17, 1937, Serial No. 164,405
1 Claim. (Cl. 206—56)



In a device for dispensing merchandise, a body having merchandise openings, the body being made of a plurality of layers, to vary the thickness of the body and consequently to vary the length of the openings, a casing enclosing the body and comprising separable parts, each of said parts including an outer wall and a flange extended entirely around the edge of the body, the inner edges of the flanges of the respective casing parts being spaced to permit the casing parts to be adjusted toward and from each other to accommodate bodies of different thicknesses, the outer walls of the casing parts having openings registering with the openings of the body, penetrable members attached to the outer walls of the casing parts and extended across the openings of the casing and across the openings of the body, the casing parts being removable from the body, after penetration, to permit the casing to be used with another body, constructed as described, said penetrable members, after penetration, being removable with the respective casing parts, in attached relation thereto, and a binder extended entirely around the casing and adhesively engaged with the flanges, the binder holding the casing parts together about the body, and bridging the space between the inner edges of the flanges, the binder being separable or detachable, at the will of an operator.

2,155,022
SLIP COVER FOR PAPER BODIED CONTAINERS
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application April 18, 1936, Serial No. 75,149
6 Claims. (Cl. 229—5.5)



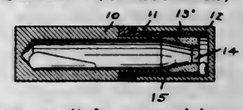
4. A sheet metal cover for a paper container body including two parts each of which has a downwardly projecting skirt flange so arranged as to provide an annular space having an enlarged mouth to receive one end of the paper container body, and means for securely locking the two parts together as a unit.

2,155,023
ANTISQUEAK STRIP
Ray W. Springer, Detroit, Mich.
Application June 27, 1935, Serial No. 28,677
5 Claims. (Cl. 280—153.5)



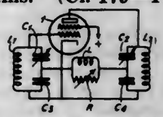
1. A welt comprising two superimposed layers of loosely integrated fabric impregnated with and adhesively secured together by a moisture resisting adhesive compound, of rubber in aqua solution, said layers being spread slightly apart along one edge forming a channel along said edge, a cord extending along said edge having a diameter greater than the depth of said channel and seated within said channel and a strip of finish material folded over the cord overlying said layers and adhesively secured thereto.

2,155,024
MERCURY TUBE SWITCH
Joseph H. Staley, Columbus, Ind.
Application January 29, 1934, Serial No. 708,844
Renewed March 13, 1937
6 Claims. (Cl. 200—152)



1. A mercury switch comprising a metallic tubular envelope closed at each end and formed by two partially overlapping, magnetizable but electrically separate parts and each part forming an electrode, a quantity of mercury flowable longitudinally within the envelope, and means adjacent one of the electrodes restricting the cross-sectional area of the column of mercury when bridging said electrodes, the said restricting means being arranged between said one electrode and the overlapping zone of said parts, whereby an intensified magnetic field is set up adjacent said restricting means promoting movement of the mercury therefrom by current flow in the mercury.

2,155,025
HIGH FREQUENCY TUNED AMPLIFIER CIRCUITS
Bernardus D. H. Tellegen and Carel J. van Loon, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application May 22, 1935, Serial No. 22,772
In Germany June 12, 1934
8 Claims. (Cl. 179—171)



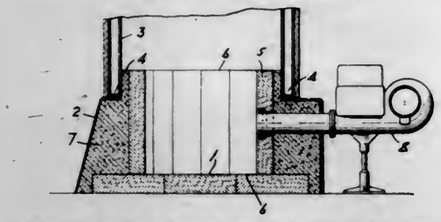
2. An amplifier stage comprising an electron discharge device provided at least with a cathode, control grid and anode, a tuned input circuit connected between cathode and control grid, a tuned output circuit connected between cathode and anode, and an ohmic resistance connected between high potential points on said two tuned circuits.

2,155,026

REFRACTORY BRICK CONSTRUCTION

Jay B. Tracy, Upper Darby, Pa., assignor to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 25, 1937, Serial No. 160,843
1 Claim. (Cl. 122—156)



For use with a liquid fuel burner and a domestic boiler of the vertical type having a flat base and a shell and a water leg with a sediment space at the bottom thereof and spaced from and above the flat base and having a combustion chamber of generally curvilinear outline, the combination with the shell and flat base of refractory bricks each having parallel faces and curved tongue and grooved edges of substantially the same radius and struck from a center at substantially the median line of the brick whereby the bricks conform to the cross section of the combustion chamber, said bricks each individually extending from the flat face of the base to a point above the sediment space and having flat ends of which one conforms to and rests on the flat face of the base and of which the other is adapted to resist the combustion at and near the sediment space, and insulating material interposed between the water leg and the flat end of the bricks and adapted to stop or pack the tongue and groove joints.

2,155,027

PROCESS OF TREATING ACID LIQUORS

Anton Johan Tulleners, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 6, 1937. Serial No. 178,350. In the Netherlands December 24, 1936
11 Claims. (Cl. 260—460)

1. The process of treating absorption products of olefines of at least five carbon atoms per molecule in strong polybasic mineral acids, which comprises adding to the absorption product a normally liquid substantially water insoluble oxygen-containing organic compound having at least five and not more than fifteen carbon atoms per molecule which is a solvent for the acid alkyl ester content thereof and an aqueous solvent for the free acid present therein and separating the resulting phases.

2,155,028

PROCESS OF CLOSING COLLAPSIBLE TUBES

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 1, 1933, Serial No. 696,145
3 Claims. (Cl. 113—121)

1. A process of closing collapsible tubes, which process consists of the following steps, applying cement to a portion of the wall of an open end of a tube to form an annular band or layer of cement completely encircling the axis of said tube, flattening said portion so that the opposite walls are adjacent each other with a layer or film of cement between them and thus form a flattened standing part of said tube, causing



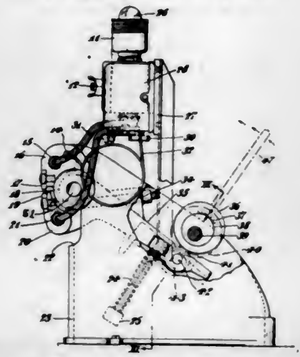
said cement to become homogeneous, and forming crimps in the walls of said flattened part.

2,155,029

TUBE SEALING PRESS

Charles J. Westin, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 20, 1935, Serial No. 32,383
8 Claims. (Cl. 113—1)



1. In a tube sealing press, the combination comprising, a pair of indenting punches movable relative to each other, operating means for moving said punches relative to each other, electric heaters arranged so as to heat said punches and being located within and electrically insulated from said punches, heat responsive means located adjacent one of said punches so as to be responsive to the heat of said punch, heat control means connected to said one of said heaters to control the heat of said heater and connected to said heat responsive means so as to be controlled by said heat responsive means, and an adjustable cam operatively interposed between said punches and said means so as to limit the movement of said punches relative to each other.

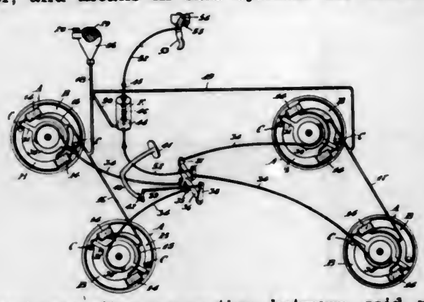
2,155,030

BRAKE OPERATING MECHANISM

Fredric J. Wilkins, Glendale, Calif.

Application December 24, 1937, Serial No. 181,500
9 Claims. (Cl. 188—106)

1. In a brake operating mechanism, a brake, an actuator for said brake adjacent thereto, a cylinder interposed between said brake and actuator, a pair of pistons in said cylinder, a liquid interposed between said pistons and confined to afford a hydraulic transmission between said pistons, connections between one of said pistons and said brake, connections between the other of said pistons and actuator, manually operable mechanical means for operating said actuator, and means in said cylinder for effecting



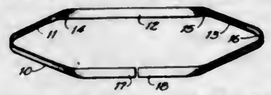
direct operative connection between said pistons on displacement of liquid from therebetween.

2,155,031

EXPANDER RING

Walter E. Amberg, Chicago, Ill., assignor to Fred M. Friedlob, Chicago, Ill.

Application November 22, 1938, Serial No. 241,834
4 Claims. (Cl. 309—43)



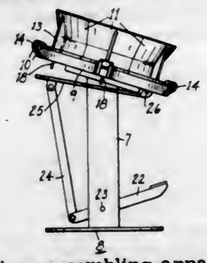
1. An expander for piston rings comprising a strip of spring metal of general polygonal shape, said expander having sides of substantially plane surfaces and arcuate portions connecting adjacent sides, the plane surfaces of adjacent sides being reversely inclined with respect to the axis of the polygon.

2,155,032

CONTAINER ASSEMBLING APPARATUS

James E. Annen, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan

Application September 19, 1938, Serial No. 230,575
5 Claims. (Cl. 93—55.1)



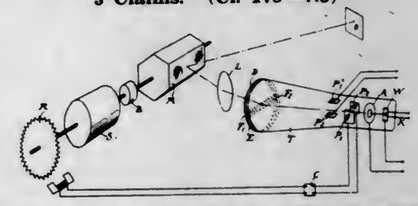
1. A container assembling apparatus comprising a head provided with a plurality of pivot ears, segmental complementary conforming sections pivotally mounted on said ears to normally rest on said head, said sections each having an inner arcuate inwardly inclined conforming surface terminating in an undercut segmental channel, the sections coacting to provide a downwardly tapered annular conforming surface terminating in an annular undercut channel adapted to receive a container rim, said conforming surface being adapted to conform a container wall to cylindrical form as it is pushed downwardly and to guide an external flange thereon into a rim disposed in said channel, and spring means acting on said sections for automatically and simultaneously retracting certain of said sections to release the assembled work immediately following passage of the flange past the uppermost edge of said channel.

2,155,033

PICTURE REPRODUCER

René Barthelemy, Fontenay aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France

Application November 8, 1934, Serial No. 752,046
In France November 14, 1933
3 Claims. (Cl. 178—7.5)



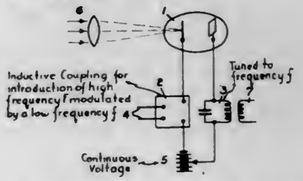
1. In an apparatus for the reconstitution of images, the combination with a cathode ray oscillograph comprising two deflecting plates imparting a backward and forward movement to the cathode beam, a luminous screen in the path of the cathode beam, and an opaque diaphragm adjacent said screen and having a slit swept by the cathode beam, of a rotatable disc arranged outside of said oscillograph, means to rotate said disc at a predetermined speed, and a series of lenses mounted on said disc along a circle concentric with the axis of rotation of said disc to be placed successively in the path of the light rays emanating from said slit and to deflect said rays at successively varying angles so as to juxtapose the successive luminous images of said slit along parallel lines when said disc is rotated.

2,155,034

PHOTOELECTRIC CELL MODULATOR

René Barthelemy, Fontenay aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France

Application July 17, 1935, Serial No. 31,842
In France July 23, 1934
3 Claims. (Cl. 179—171)



1. The herein described method of producing variations at a given high frequency in a current modulated by a photoelectric cell, exposed to the light emanating from a source of light of variable intensity, which method consists in inducing into the circuit of said cell a modulated high frequency current having a modulation component of a given high frequency and at least one further component of a frequency higher than said given frequency, modulating the said modulated current by means of the light falling on the photoelectric cell, detecting the said modulation component by means of said photoelectric cell and

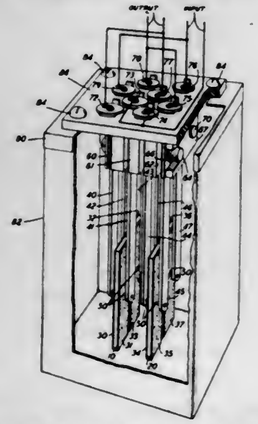
producing by means of the detected current a further current of said given high frequency, the latter current being modulated according to the variations in the exposure of the cell.

2,155,035

PIEZOELECTRIC CRYSTAL APPARATUS

Carl A. Bieling, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 2, 1936, Serial No. 57,187
21 Claims. (Cl. 171—327)



1. An electric wave filter system including electromechanical vibratory apparatus comprising a plurality of piezoelectric bodies, common supporting structure therefor, and means carried by said structure and including springs having free ends; and a clamping projection secured to the free end of each of said springs for nodally individually clamping and electrically interconnecting said plurality of bodies for independent simultaneous vibration to obtain said wave filter.

2,155,036

HYDROGENATION PROCESS

Rollin J. Byrkit, Jr., Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1937, Serial No. 160,935
18 Claims. (Cl. 260—100)

2. A method for the continuous hydrogenation of a rosinyl compound, which includes flowing the said compound in liquid phase in the presence of hydrogen under superatmospheric pressure and at a suitable elevated temperature past a catalyst comprising essentially an activated nickel-silicon alloy.

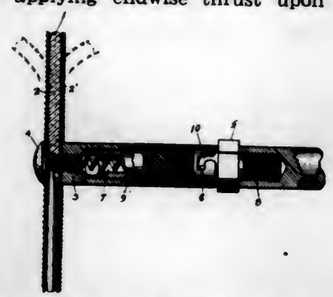
2,155,037

FLEXIBLE GRINDER

Leopold Churgin, Newark, N. J.

Application November 17, 1937, Serial No. 174,946
3 Claims. (Cl. 51—197)

1. A grinder including a grinder assembly comprising an elastic flexible disc backing a layer of abrasive material, an arbor centrally engaging said disc, and means for rigidly holding together said disc and arbor with the axis of the arbor substantially perpendicular to the plane of the disc; in combination with a shaft extension and adapter detachably connected to said grinder assembly by pin and bayonet slot and said adapter being hollow and provided with a compression spring applying endwise thrust upon the pin



member and the slot member to prevent uncoupling of the bayonet joint when subjected to endwise pressure during grinding.

2,155,038

COMPOUNDS OF THE PHTHALOCYANINE SERIES

John Stanley Herbert Davies and Max Wyler, Manchester, and Paul Anthony Barrett and Reginald Patrick Linstead, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 12, 1937, Serial No. 125,444
8 Claims. (Cl. 260—314)

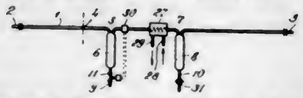
1. Vanadyl phthalocyanine, said compound being in substance a dark blue, crystalline solid, soluble in concentrated sulfuric acid with an orange brown color, but giving a bright-greenish shade when applied as a pigment, said compound corresponding in constitution to the empirical formula $[C_6H_4(CN)_2]_4.VO$.

2,155,039

STEAM GENERATOR APPARATUS

Hans Conrad Egloff, Winterthur, Switzerland, assignor to Sulzer Freres Société Anonyme, Winterthur, Switzerland

Application September 22, 1936, Serial No. 101,910
In Switzerland October 12, 1935
2 Claims. (Cl. 122—459)



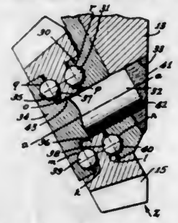
1. Apparatus for the separation of feed-water impurities from steam in tubular, continuous-flow steam generators which comprises a tube into which feed-water is passed at one place and superheated steam removed at another place, a separator connected to the tube at a point where steam and water flows through the tube, said separator being provided with sludge draw-off conduit whereby sludge may be removed from the separator, a valve in said conduit controlling the discharge of sludge-carrying fluid through said conduit, a second separator connected to the tube beyond the first mentioned separator in the direction of steam flow, means for heating the steam in the tube after it has passed through the second separator, a reheater for low pressure steam connected to the tube between the separators, said reheater and tube being located and arranged to permit heating of the tube between the first mentioned separator and the reheater and to prevent appreciable heating of the tube between the reheater and the second separator whereby the steam may be heated after passing the first mentioned separator, cooled in the reheater and passed to the second separator without appreciable vaporization, and means for drawing off sludge-carrying fluid from said second separator.

2,155,040

ROLLER BIT BEARING

Robert P. Fisher, Los Angeles, Calif., assignor of fifty-one per cent to Rudolph Pageman, Los Angeles County, Calif.

Application August 26, 1938, Serial No. 226,950
13 Claims. (Cl. 255—71)



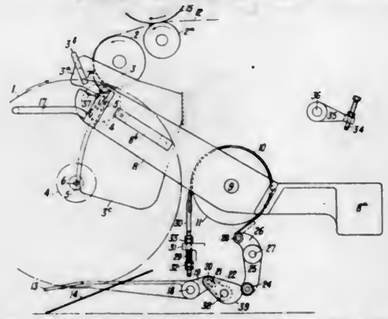
1. A roller bit including supporting means having races facing toward one another, a roller cutter having races positioned between said races, and bearing balls in said races for the simultaneous transmission of radial components of thrust between substantially the complete circumference of said cutter and said supporting means.

2,155,041

SLIVER BALLING MACHINE AND YARN AND THE LIKE WINDING MACHINES

Gordon Scott Fraser, Arbroath, Angus, Scotland, assignor to Douglas Fraser & Sons Limited, Arbroath, Angus, Scotland, a corporation of Great Britain

Application March 19, 1938, Serial No. 196,821
In Great Britain March 17, 1937
4 Claims. (Cl. 19—158)



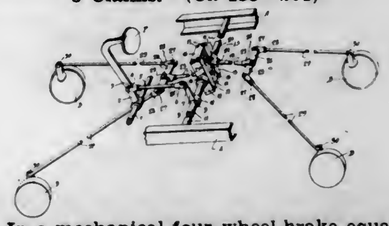
1. In a machine for balling sliver, the combination with a bifurcated lever comprising laterally spaced arms each formed with an open-ended bayonet slot, a boss on which the sliver ball is to be wound, an arbor penetrating said boss and having trunnions fitted in said slots, a rotary driving roller adapted to frictionally engage the sliver ball being wound, vertically immovable plates embraced by said arms and clear of said slots, said plates formed and positioned to shroud the nip of said driving roller with the sliver ball and part only of the end faces of the sliver ball, and a landing surface to receive the finished sliver ball on depression of the free ends of said arms and by upward reaction on the sliver ball to dislodge said trunnions from said slots.

2,155,042

FOUR-WHEEL BRAKE EQUALIZER

Robert E. Gerndt, Munising, Mich.

Refiled for abandoned application Serial No. 108,870, November 2, 1936. This application September 9, 1938, Serial No. 229,165
3 Claims. (Cl. 188—204)



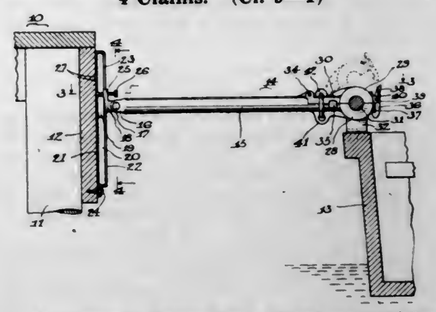
1. In a mechanical four-wheel brake equalizer, the combination of a brake pedal, aligned rotatable shafts spaced from the brake pedal, a finger lever affixed to one of the said shafts, link mechanism operatively connecting the end of the finger lever with the brake pedal; a box-like housing affixed to the inner ends of the aforesaid aligned rotatable shafts, a rigid block slidably mounted within said housing, yokes, a plurality of links pivotally connecting the sliding block with the aforesaid yokes and rods connecting the respective ends of the yoke with the respective four wheel brake assemblies, whereby the operation of the brake pedal will operate all of the brakes simultaneously.

2,155,043

BOAT MOORING APPARATUS

Elmer J. Gorskey, Milwaukee, Wis.

Application July 6, 1937, Serial No. 151,986
4 Claims. (Cl. 9—1)



1. A mooring device for a boat, comprising a bar, means for detachably securing an end of said bar to the boat, a slide member pivotally secured to the other end of the bar, means adapted to be secured to a support for guiding said slide member for up-and-down movement, said guiding means having apertures at different elevations, and means selectively engageable in said apertures for locking said slide member at an adjusted elevation.

2,155,044

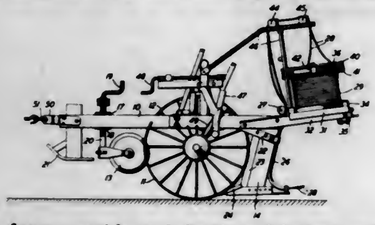
WIRE LAYING MACHINE

Joseph H. Gray, Elizabeth, N. J., and Robert J. Kent, Jamaica, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 20, 1937, Serial No. 131,992
6 Claims. (Cl. 111—5)

3. An apparatus for laying and burying wires under the ground comprising a frame, a plowshare adapted for forming a self-closing furrow secured to said frame, wheels supporting said

frame, means for swinging said frame about the axis of said wheels to raise and lower said frame and said plowshare, means comprising a tube on the rear of said plowshare for guiding the wire into the furrow, a wire storing reel mounted on



said frame, said reel having friction reducing means mounted thereon comprising a rotatable wire engaging reelhead, and means associated with said reel for guiding the wire into said tube.

2,155,045
INHIBITED DETERGENT COMPOSITION
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application July 20, 1938, Serial No. 220,346
12 Claims. (Cl. 87—5)

1. A corrosion-inhibiting alkaline composition for cleaning zinc, iron and tin ware in an aqueous solution thereof at from cold to boiling temperatures consisting by weight essentially of about 85% of water-soluble inorganic alkaline detergent, about 5% to 7.2% of a solid hypochlorite salt of a metal from the group consisting of alkali metals and alkali earth metals, and about 9% to 10% of zinc compound from the group consisting of water-soluble zinc salts, zinc oxide, zinc hydroxide and zinc carbonate.

2,155,046
INHIBITED DETERGENT COMPOSITION
Carroll L. Griffith and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 29, 1936, Serial No. 66,436. Renewed March 8, 1939
10 Claims. (Cl. 87—5)

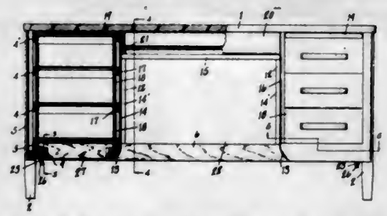
1. A corrosion-inhibiting alkaline composition for cleaning zinc, iron and tin ware in a solution thereof at from cold to boiling temperatures consisting essentially of about 85% of water soluble inorganic alkaline detergent, about 5% to 6% of a solid hypochlorite salt of a metal from the group consisting of alkali metals and alkali earth metals, and about 9% to 10% of water-soluble zinc salt.

6. A corrosion-inhibiting alkaline composition for cleaning zinc, iron, tin and aluminum ware in a solution thereof at from cold to boiling temperatures consisting essentially of from about 65% to 70% of water soluble inorganic alkaline detergent, from about 15% to 20% of sodium silicate, about 5% to 6% of calcium hypochlorite, and about 9% to 10% of zinc sulphate.

2,155,047
DENTAL CASTING ALLOY
Cornell Joel Grossman, Millburn, N. J.
No Drawing. Application July 6, 1938, Serial No. 217,721
2 Claims. (Cl. 75—171)

1. An alloy suitable for use in the manufacture of substantially sound non-oxidized cast denture and the like, said alloy consisting of cobalt 10–50%; chromium 5–30%; boron 1–10%, remainder nickel.

2,155,048
DESK
Elmer H. Hupp, Grand Rapids, Mich., assignor to Gunn Furniture Company, Grand Rapids, Mich., a corporation of Michigan
Application December 29, 1938, Serial No. 248,170
9 Claims. (Cl. 45—6)



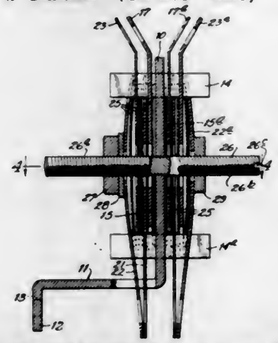
5. In a desk, the combination of a top, top supporting end members including legs and a cross piece connecting said legs, a longitudinal bar constituting a combined truss and tie bar extending between said end cross pieces in abutting relation thereto, strut elements spaced from said end members and from each other and operatively associated with said longitudinal bar and top, and means for supporting and vertically adjusting said longitudinal bar comprising brackets secured on the inner sides of said end member cross pieces, clips secured to the sides of said longitudinal bar and having interlocking engagement with said brackets on said end cross pieces, and threaded means for vertically adjusting said longitudinal bar.

2,155,049
SPOUT ATTACHMENT FOR BOTTLES AND OTHER CONTAINERS
Max J. Isaacson, Brooklyn, N. Y.
Application October 2, 1936, Serial No. 103,630
1 Claim. (Cl. 215—100)



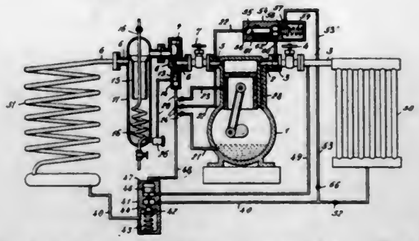
A spout attachment for the neck of a bottle or other container made from a blank comprising a body portion having end portions integral therewith, said body portion and end portions shaped to cylindrical form with said end portions overlapping each other and an eyelet having an opening extending through the end portions where overlapped, said eyelet functioning as a vent for the spout.

2,155,050
ADJUSTABLE DUAL CONDENSER
John Kelly Johnson, Chicago, Ill., assignor to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1937, Serial No. 173,232
2 Claims. (Cl. 175—41.5)



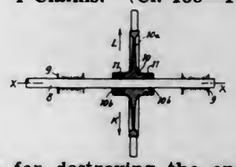
1. In a dual condenser, a mounting plate, substantially identical condenser units having resilient plates disposed on each side of said mounting plate, and a screw passing through said units and screwed through an opening in the mounting plate and operably connected to said units for simultaneously varying the pressure exerted on the two condenser units equally so that the capacities of the two condensers remain substantially equal for all settings.

2,155,051
APPARATUS FOR THE COMPRESSION OF GASES
Emil Kägi, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application March 19, 1938, Serial No. 196,866
In Switzerland June 3, 1937
3 Claims. (Cl. 62—115)



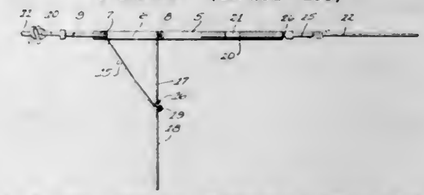
1. Apparatus for the compression of gases which comprises means for supplying gas to a compressor, a lubricant separator, delivery conduit means for passing compressed gas and entrained lubricant from the compressor into the separator, a conduit for returning the separated lubricant to the compressor, a valve in the last named conduit, means actuated by the compressed gas for opening the valve to the flow of lubricant when the compressor is running and for closing the valve when the compressor is stopped, a condenser connected to the separator to receive gases from the compressor, a valve controlled means for passing the condensate to an evaporating unit, and means operatively connecting the valve controlled means to the means operated by the compressed gas, whereby condensate is passed to the evaporating unit only when the compressor is running.

2,155,052
MEANS FOR DESTROYING THE ENERGY OF MASS OSCILLATIONS OF SOLID BODIES
Conrad Friedrich Byland, Zurich, Switzerland, assignor to Dresag A. G., Zurich, Switzerland
Application April 12, 1937, Serial No. 136,508
In Austria April 27, 1936
4 Claims. (Cl. 188—1)



1. Means for destroying the energy of mass oscillations of a body of solid material, comprising a dampening mass of a material of low elasticity slidably mounted on the body at the place of greatest amplitude of oscillation for performing oscillatory motions in the same direction as but of different phase from the mass oscillations of the body, and for collision with the said body on each change in direction of the mass oscillations of the said body.

2,155,053
DEVICE FOR STRINGING WIRES
Harold R. Kuenzi, Mayville, Wis., assignor of one-fourth to B. J. Husting and one-fourth to Robert P. Pike, both of Mayville, Wis.
Application March 20, 1937, Serial No. 132,023
6 Claims. (Cl. 254—135)



1. A wire stringing device comprising a body portion for the connection of a towing line and lines to be towed, and pendulum means rigidly connected to said body portion against lateral displacement with respect thereto for maintaining said body portion in a predetermined position, said pendulum means being pivoted to said portion for collapse longitudinally thereon in passing obstructions.

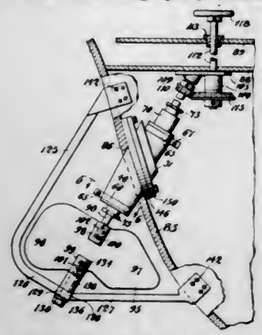
2,155,054
COLORING MATTERS
Arthur Reginald Lowe, Blackley, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 28, 1936, Serial No. 93,125. In Great Britain July 31, 1935
12 Claims. (Cl. 260—319)

1. A process for the manufacture of metal-free phthalocyanines which comprises heating an orthoarylene dicyanide of the benzene or naphthalene series with an ethanolamine.

2,155,055
STEERING APPARATUS
George J. Mannfolk, New York, N. Y.
Application January 25, 1938, Serial No. 186,758
6 Claims. (Cl. 114—144)

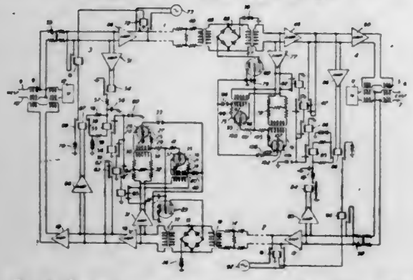
1. In a steering apparatus the combination of a housing extending through the bow of a vessel, said housing comprising a pair of members, one

of said members having a pair of longitudinal recesses and the other member having a pair of longitudinal projections adapted to enter said recesses, a strip of packing in each recess bearing against its coacting projection, means to



clamp the members of the housing tightly together, a rudder shaft rotatively extending through the housing, a rudder secured to the lower end of rudder shaft and means to turn the rudder shaft.

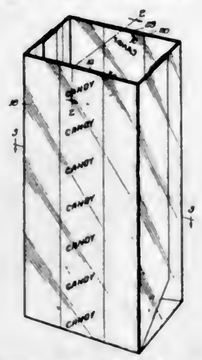
2,155,056
SIGNALING SYSTEM
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1937, Serial No. 155,025
12 Claims. (Cl. 179—170)



1. In a four-wire transmission system having paths for signal transmission in opposite directions between two stations, normally inoperative control means associated with each path for governing the attenuation of the paths, means governed by the signal currents on an active path at one station for transmitting a tone over the idle path, means at the second station controlled by the signal currents on the active path at the second station to enable operation of said control means associated with the idle path by said tone, and means governed by the control means when operated by the tone to maintain the attenuation of the idle path constant.

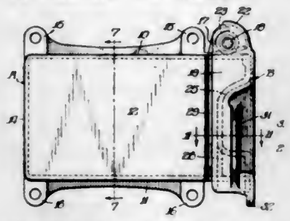
2,155,057
CONTAINER
William L. Moore, La Grange, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application July 14, 1936, Serial No. 90,539
2 Claims. (Cl. 229—55)

1. A container of the type described, comprising an inner sheet folded into container formation and having seamless front, bottom and rear portions and opposed edge portions sealed together, an insert strip folded about said front, bottom and rear portions of the inner container and bearing printed indicia, and an outer sheet folded about said inner container and strip, said



outer sheet being composed at least in part of transparent cellulose sheeting and having seamless front, bottom and rear walls corresponding to those of the inner container and opposed edge portions sealed together independently of said inner sheet.

2,155,058
CARD RECEPTACLE
Howard E. Osborn, Michigan City, Ind.
Application December 21, 1936, Serial No. 116,909
6 Claims. (Cl. 40—17)

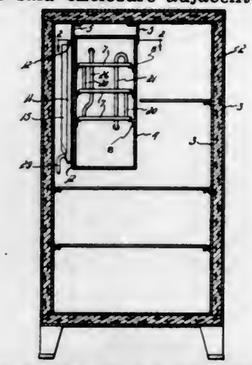


5. A card receptacle of the character described, comprising a rectangular body having top, bottom and side walls, and an end wall, said body being open at its other end, a lid of U-shape cross-section so hinged at one end thereof to said body that, when closed, its side walls overlap the side walls of the body at the open end of the latter, a spring urging said lid to closed position, a thumbpiece on the front side wall of said lid to facilitate the opening thereof, and an extension lug on the free end of said lid adapted to be struck by a hammer or like tool in the event that the lid sticks.

2,155,059
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application July 30, 1934, Serial No. 737,538
Renewed April 27, 1937
2 Claims. (Cl. 62—116)

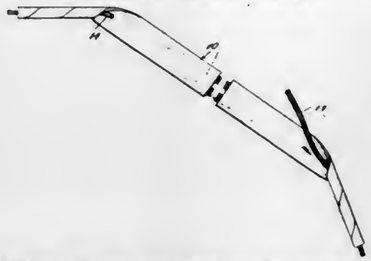
1. Refrigerating apparatus comprising a cabinet, an enclosure exposed to circulating air within said cabinet and enclosing a low temperature zone including a vertical wall position in close proximity to a side wall of the cabinet to provide an air cooling zone, refrigerant evaporating

means including a portion positioned in said enclosure for maintaining low temperatures in said low temperature zone and a portion positioned outside of said enclosure adjacent said vertical



wall and side wall for cooling circulating air to the desired temperature as it passes through said air cooling zone, and means for maintaining a higher temperature in the refrigerant evaporating portion which cools said circulating air.

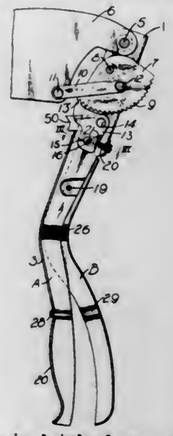
2,155,060
CONVERTIBLE ELECTRIC CONDUCTOR
Lionel F. Phillips, New York, N. Y.
Application December 10, 1936, Serial No. 115,138
3 Claims. (Cl. 174—113)



1. A convertible electrical conducting cord including two sets of wires located side by side, strips secured above and below each conductor, a covering of insulating material embedding all of the strips and wires, and a flexible core, said covering being spirally wound around the core, and an adhesive for removably securing said covering in a spiral formation to said core, said covering being bodily demountable and unwindable from any portion of said core whereby any portion may be used as a flat electric cord.

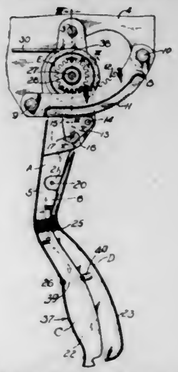
2,155,061
BRAKE LEVER CONSTRUCTION
Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 22, 1937, Serial No. 132,278
3 Claims. (Cl. 74—537)

1. A control lever in combination, a pawl and a cooperating ratchet for latching said lever in desired position, a spring acting against said pawl to normally maintain it in latched engagement with the ratchet, latch release means pivoted to the lever, said pawl having an enlarged opening in it, a pin connected to said latch release means and passing through the pawl opening and with it constituting a lost motion connection, spring means acting against said pawl release member to maintain it normally in one position, the construction being such that when the pawl release means is in its said one position



and the pawl is in latched engagement with its ratchet the pin of the said release member is against a part of the aperture in said pawl ready to unlatch the pawl from its ratchet in the event of movement of the release means from its said one position.

2,155,062
LEVER CONSTRUCTION
Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 8, 1937, Serial No. 135,647
12 Claims. (Cl. 74—530)



1. A dash type brake lever construction including in combination, a support, a lever pivoted to said support to swing, said support and lever having cooperating ratchet and pawl means to latch said lever in desired position, an arcuate rack connected to said support, a pinion pivoted to said lever and meshing with said rack, a sheave connected to said pinion to move with it, a flexible tension member or cable secured at one end to said sheave to be wrapped about and unwrapped from it, the construction being such that any swing of said lever will cause rotative movement of the pinion and sheave in counter-angular direction and also bodily movement of the pinion and lever in the direction of lever swing,

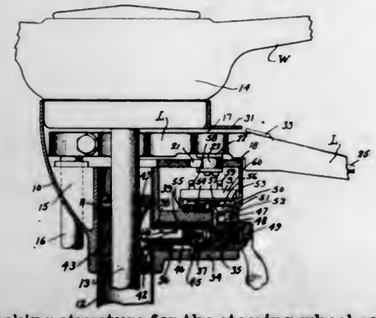
to thereby accelerate the wrapping or unwrapping of the cable with respect to the sheave and increase the linear travel of the cable over what it would be if directly connected to the lever.

2,155,063

AUTOMOBILE LOCKING STRUCTURE

Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 27, 1937, Serial No. 181,872
1 Claim. (Cl. 70—252)



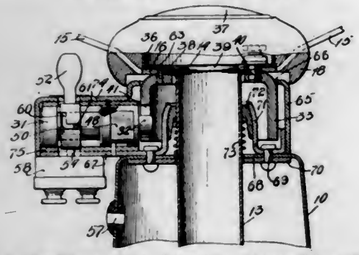
Locking structure for the steering wheel assembly in an automotive vehicle in which a transmission selection lever is located below the steering wheel, said locking structure comprising a cup-shaped housing having an axially extending sleeve integral therewith and receiving and secured to the end of the steering column through which the steering shaft extends and with the open end of the cup receiving and surrounding the lower portion of the wheel hub, said housing having a laterally extending bore adjacent to said sleeve, a lock bolt structure shiftable in said bore for locking the steering shaft to the column, said housing and sleeve defining a recess above said bore, switch structure located within said recess and operable from the exterior of said housing, and a horizontal cross wall in said housing forming a guide support for the selection lever and forming a closure cover for said recess.

2,155,064

AUTOMOBILE LOCKING STRUCTURE

Ray A. Sandberg, Waukegan, Ill., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application April 4, 1938, Serial No. 199,885
2 Claims. (Cl. 70—210)



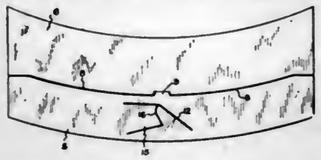
1. A locking and bearing assembly for the steering wheel and the steering shaft of an automobile comprising a housing surrounding and spaced away from the shaft and terminating a distance below the steering wheel hub, said housing being deflected to provide an annular horizontally extending shoulder, an annular lock structure body seated and secured on said shoulder and extending from said shoulder up to the wheel hub, a bearing structure mounted on said lock structure body and surrounding and engaging with the steering shaft to provide a guide bearing therefor, an annular keeper structure secured to the wheel hub and extending downwardly between said bearing structure and the annular wall of the lock body structure, said keeper structure having a lock bolt receiving opening, and an extension on said lock structure body providing a bore, and a lock bolt shiftable in said bore for engagement in said keeper structure opening for locking said keeper structure and thereby said wheel and shaft against steering movement.

2,155,065

COLLAR SUPPORT

James W. Steele, Kansas City, Mo.

Application March 20, 1937, Serial No. 132,036
5 Claims. (Cl. 223—83)



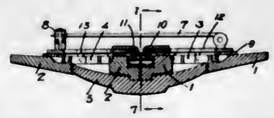
1. Collar bracing and stiffening means for collar attached shirts comprising a collar supporting member embracing the inner neck-engaging face of the neckfold of the collar, a collar stiffening member for insertion between the inner and outer folds of the collar and connected with said first member at the meeting ends of the collar, said second member having a tongue extending transversely of the strip and one end of said tongue being free and projectible through a buttonhole of said neckband.

2,155,066

ARTICLE OF JEWELRY

Geiza B. K. Toth, Hopatcong, N. J., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York

Application June 23, 1938, Serial No. 215,322
6 Claims. (Cl. 63—2)



1. An ornamental article comprising a main frame having means adapted to connect the same to a garment, a pair of clips each of which has a body and a locking bar turnably connected to said body at an edge of said body, said main frame and said clips having cooperating means adapted to hold said clips assembled with said main frame and with said edges of the bodies of said clips adjacent each other, the bodies of said clips having openings, a brooch having a body overlying the openings of the bodies of said clips, said brooch having holding means adapted to hold the same detachably assembled with said main frame and with said clips.

2,155,067

MANUFACTURE OF IMPROVED PRODUCTS OF CELLULOSE AND CELLULOSE DERIVATIVES

Leo Ubbelohde, Berlin-Charlottenburg, Germany

No Drawing. Application May 18, 1935, Serial No. 22,178. In Austria June 1, 1934
18 Claims. (Cl. 18—54)

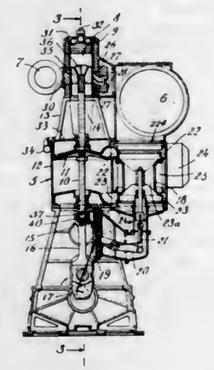
1. A process for the manufacture of improved products from solutions containing cellulosic material which comprises adding to them solutions of condensable substances which are to be rendered insoluble by further condensation, spinning the composite solution to form a filament and then heating the filament to bring about further condensation and solidification of the incorporated substances, crinkling the filament and subjecting the incorporated substances to further condensation to bring about solidification.

2,155,068

INTERNAL COMBUSTION ENGINE APPARATUS

Heinrich Wälti, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application September 22, 1936, Serial No. 101,894. In Switzerland October 1, 1935
3 Claims. (Cl. 123—57)



1. In combination, an internal combustion-engine plant including at least one principal combustion engine of the type requiring scavenging or charging air, and a separate auxiliary air compressor unit supplying said air for said principal combustion engine, said auxiliary unit comprising at least one engine-driven compressor including an engine cylinder, an engine piston, a piston rod, a connecting rod, a crank, an air pump cylinder arranged between said engine cylinder and said crank, and an air pump piston arranged in said pump cylinder on said piston rod between said engine piston and said connecting rod, a spider securing said engine cylinder to said pump cylinder in such manner that said engine piston is exposed between said cylinders, whereby to allow inspection of said engine piston during operation and to prevent pollution of said air, and an air conduit directly connecting said principal combustion engine and said air compressor unit to convey said scavenging or charging air.

2,155,069

GLASSY RESINLIKE FERRIC SULPHATE AND METHOD OF PREPARING THE SAME

William S. Wilson, Brookline, and John F. White, Somerville, Mass., assignors, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application May 16, 1934, Serial No. 725,903
8 Claims. (Cl. 23—126)

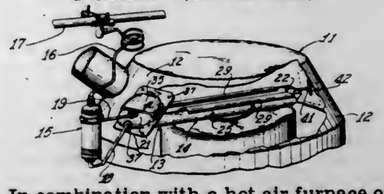
1. A method of preparing highly soluble essentially normal ferric sulphates in the form of resinous solids which comprises concentrating a solution of the sulphates by application of heat and then subjecting the solution to evaporation upon a drum drier at a rate sufficiently rapid to inhibit formation of substantial amounts of insoluble basic sulphates whereby the material is transformed into a water soluble, solid, dry, glass-like partially hydrated state.

2,155,070

HUMIDIFIER

William J. Woolley, Chicago, Ill.

Application August 13, 1937, Serial No. 158,962
4 Claims. (Cl. 126—113)



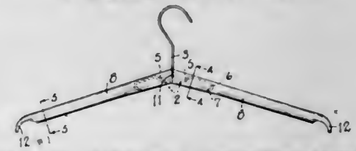
2. In combination with a hot air furnace or the like having a dome portion with an aperture in a side wall thereof, a humidifying device, comprising a water pan adapted to be inserted through said aperture into the dome portion of said furnace and mounted therein in the path of warm air currents generated by the furnace, and means mounted on said pan for movement relative thereto between operative and inoperative positions and adapted in operative position to extend outwardly from said pan to direct the flow of warm air currents into the pan, said means being so constructed and arranged as to be positioned between the vertical planes of the side portions of said pan when in inoperative position to facilitate the insertion and withdrawal of said pan through said aperture.

2,155,071

GARMENT HANGER

Leonard A. Young, Detroit, Mich., assignor to Star-Service Hanger Company, Detroit, Mich., a corporation of Michigan

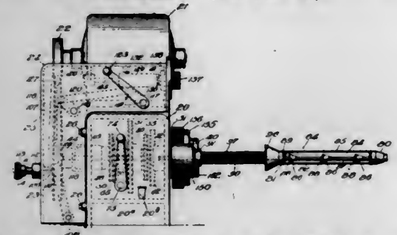
Application October 10, 1935, Serial No. 44,313
8 Claims. (Cl. 223—88)



1. A garment hanger comprising a wire hook having a shank, a wire yoke welded at its apex to the lower end of said shank and having downwardly diverging relatively short arms terminating in inturned hook-like lugs, and tubular hanger arms of fibrous material telescoped on the yoke arms with the ends of said arms lying adjacent said shank, the internal diameter of the

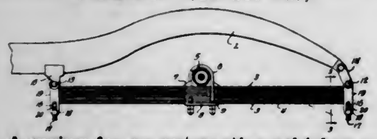
hanger arms being such that the hanger arms are clutched on the yoke arms with the lugs in retaining engagement therewith.

2,155,072
MACHINE FOR SIZING AND FINISHING BORES
Herman W. Zimmerman, North Chicago, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application February 8, 1936, Serial No. 62,904
16 Claims. (Cl. 51—72)



1. In structure of the class described, a power driver, a shaft rotatably driven by said driver, a second shaft, speed-change drive connections including manually operable clutch means between said first and second shafts, a tool supporting member carried directly by and driven by said second shaft, a second tool supporting member, and speed reducing drive connections between said second shaft and said second tool supporting member whereby said second tool supporting member is driven at speeds different from the respective speeds of said first tool supporting member.

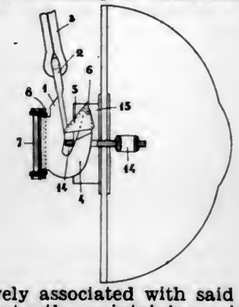
2,155,073
SPRING
Adam Ziska, Wauwatosa, Wis.
Application December 16, 1936, Serial No. 116,046
2 Claims. (Cl. 267—47)



1. A spring for an automotive vehicle comprising a plurality of leaves arranged in spaced relation, load applying means intermediate the ends of said spring having spacers between said leaves, load applying means adjacent the ends of said spring and including pairs of shackle bolts, said spring including a pair of outer leaves having eyelets formed therein surrounding said shackle bolts and at least one intermediate leaf, spacing means adjacent the ends of said leaves arranged between successive leaves, links at each end of the spring pivotally mounted on one shackle bolt and carrying the other shackle bolt of each respective pair, one of said shackle bolts of each pair being adjustable longitudinally of the respective links, and screw means for adjusting the adjustable shackle bolts.

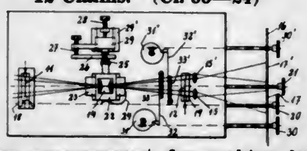
2,155,074
PARACHUTE PACK WITH A SINGLE RELEASING HOOK
Luigi Avorio, Rome, Italy
Application August 17, 1937, Serial No. 159,467
In Italy August 17, 1936
2 Claims. (Cl. 244—148)

1. Parachute pack comprising a canopy, rigging lines, a single hook, an opening device and a parachute hooking ring capable of being detached by means of said single hook, and a metallic chain girdle of adjustable length with which said hooking ring is capable of co-operating by said single hook being capable of hooking onto the one of the meshes of said chain girdle selected, means including a calibrated metallic



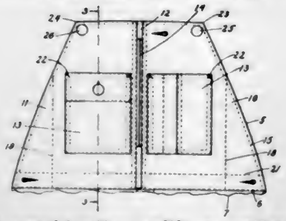
shaft operatively associated with said hook and chain for constantly maintaining said hook in the same position with respect to the body size of the wearer, and said shaft allowing limited rotation of said hook, said shaft being breakable when the parachute commences to operate in order to detach said parachute pack from said chain girdle.

2,155,075
COPYING OF LENTICULAR FILM
Moritz Adam, Berlin, Germany
Application August 18, 1937, Serial No. 159,639
In Germany August 27, 1936
12 Claims. (Cl. 88—24)



1. In an arrangement for making lenticular film copies from lenticular film originals, markings on both original and copy films on the margin beside the picture area at least at one side thereof corresponding to and located at the same spacing as the lenticular elements, film gates for guiding both said films, means for bringing the lenticulations of the two films into register which means comprise a screen and at least one objective for projecting on to said screen enlarged superposed images of at least one margin of the original and copy films.

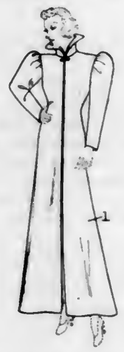
2,155,076
GARMENT
Oscar Berman, Cincinnati, Ohio
Application November 24, 1936, Serial No. 112,512
3 Claims. (Cl. 2—227)



1. The combination with a nether garment and a waist portion thereof, of a bib secured to

and extending upwardly from the waist portion, said bib comprising a front and a back of equal dimensions vertically, each of which has its lower edge secured to the waist portion, the front tapering upwardly and the back being of a width intermediate the lengths of the upper and lower edges of the front and having its lower side edges secured to the front intermediate the lateral edges of the front, means securing the upper side and top edges of the back to the top and adjacent peripheral edges of the front with equal lengths of material of the front and back included between said securing means and the waist portion of the garment, and suspender buttons for the garment said suspender buttons each being secured to both the front and back at the lateral and topmost portions thereof, close to a corner where the upper side edge of the back meets the top edge thereof, the front having a substantially central vertical slit providing access to a pocket formed between the front and back.

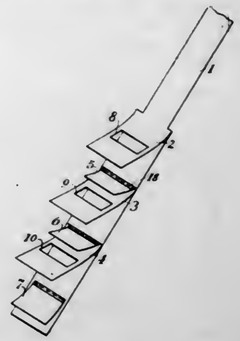
2,155,077
EVENING WRAP
Adolph Brieff, Brooklyn, N. Y.
Application June 11, 1938, Serial No. 213,109
3 Claims. (Cl. 2—97)



1. A wrap comprising composited fabrics, the outer fabric being velvet and the inner fabric being a fleecy material, said fleecy material having a good frictional engagement with the smooth side of the velvet, the composite fabrics being secured together with the smooth side of the velvet and the fleecy side of the material in contact relation, the fleecy material thereby supporting the velvet.

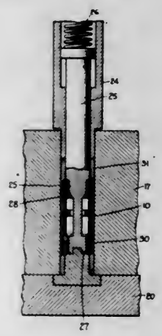
2,155,078
FILM PACK FOR COLOR PHOTOGRAPHY
Raymond G. Brown, Columbus, Ohio
Application January 23, 1937, Serial No. 121,957
6 Claims. (Cl. 95—2)

1. Loading material for a photographic film pack comprising; an unfolded completely extended elongated backing strip having a pull-out tab formed at one end thereof, a plurality of focal plane shutter curtain members, each including a forward opaque portion and a rearward opaque portion separated by an exposure aperture, each of said members being attached by its forward edge to the backing strip, the attachment being such that the forward end of each member is nearer to the tab end of the backing strip, the members being arranged with relation to each other so that the rearward opaque portion of each member covers the forward opaque portion of each succeeding member, and light sensitive films overlying the forward opaque portions



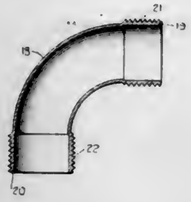
of each member except that closest to the tab, and a light sensitive film attached to the backing strip so that it lies under the rearward opaque portion of the member farthest from the tab.

2,155,079
METHOD OF MANUFACTURING WROUGHT NONFERROUS PIPE FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application June 4, 1936, Serial No. 83,417
2 Claims. (Cl. 29—157)



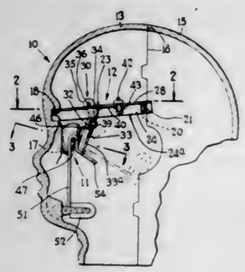
1. The improved method which comprises subjecting a cylindrical tube having a substantially uniform wall thickness throughout and of a magnitude insufficient to bear threads, to cold flow of the material under pressure to form a thickened portion at one end thereof having an outer diameter substantially equal to the outer diameter of the tube, then subjecting the unthickened end portion of said tube to cold flow of the material under pressure while positively supporting the whole of the body portion of the tube both exteriorly and interiorly between its said ends to produce a thickened portion at its said theretofore unthickened end having a diameter substantially equal to the outer diameter of the tube, passing the tube through a die to change its cylindrical contour to a non-cylindrical contour, and thereafter forming threads at such thickened end portions.

2,155,080
ELBOW AND KINDRED PIPE FITTINGS
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application October 30, 1934, Serial No. 750,644
Renewed January 7, 1939
6 Claims. (Cl. 285—211)



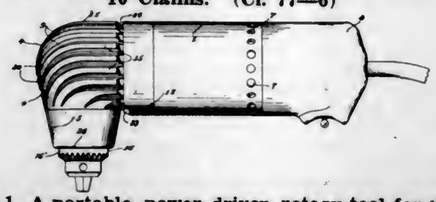
1. An improved elbow of wholly integral wholly cold wrought, homogeneous, non-ferrous metal, having a free unrestricted passage of substantially constant diameter therethrough and having a body wholly of integral wrought homogeneous non-ferrous metal having a wall dimension incapable of bearing a thread, an end thereof having a wall thickness capable of and bearing a thread, the thickness of the metal of said threaded end measured between the bottom of the threading and the smooth face of said end being equal to the wall dimension of said body, the aforesaid being each of itself integral and without joint and integrally and without joint united to one another respectively.

2,155,081
DOLL CONSTRUCTION
Matteo De Cesare, Newark, N. J., and David Cohn, Brooklyn, N. Y., assignors to Eyedoll Corporation, Jersey City, N. J., a corporation of New Jersey
Application March 20, 1935, Serial No. 11,920
7 Claims. (Cl. 46—169)



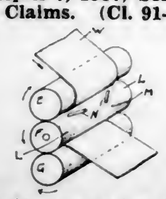
1. In doll construction, a doll's head having a pair of eye sockets, a rail member fixed within said head and extending from front to rear, a member mounted on the rail member and having portions adapted to contact the top and bottom of said rail member and being adapted to have a slight rocking movement on said rail member, resilient means on said member and engaging said rail member for retaining said portions in engagement with said top and bottom of said rail member, a doll's eye unit comprising an axle with doll's eyes on said axle received within said sockets, and means on said rocking member for retaining said eyes within said sockets.

2,155,082
PORTABLE ELECTRIC TOOL AND CASING
Alonzo Galloway Decker, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application March 23, 1937, Serial No. 132,658
10 Claims. (Cl. 77—6)



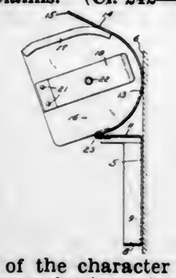
1. A portable, power-driven rotary tool for use in assembling and similar work particularly in confined spaces comprising a barrel and a head at one end of the barrel, said head having spindle bearings and a spindle therein substantially at right angles to the barrel axis, and a nose at one end of said spindle encircling the spindle and integral with the head, the head being of a size and proportion and being adapted to be enclosed within the palm of the hand with the finger ends engaging the nose to support and direct the tool, the nose being chambered to receive and contain a chuck on the end of the spindle, the barrel being adapted to contain a motor driving said spindle through angular connections in said head, and the head being rigidly connected to the casing.

2,155,083
ROLL CLEARING
Pierre Drewsen, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application April 7, 1937, Serial No. 135,466
10 Claims. (Cl. 91—51)



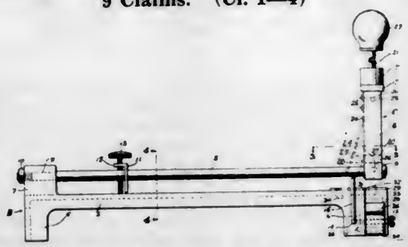
1. In a cylinder apparatus for applying liquid to a web, means for preventing the encroachment of applied liquid upon certain cylinder area, said means including a fluid blast directed upon the margins of said areas and tending away from said areas.

2,155,084
DISPENSING CONTAINER
Warren W. Dunnell, Los Angeles, Calif.
Application February 28, 1938, Serial No. 193,048
3 Claims. (Cl. 242—55.5)



1. A device of the character described, comprising: an element having, a base portion adapted for being mounted upon a vertical surface, and a flange extending horizontally forward from the top of the base portion when the latter is so mounted; a cover element hinged at the outer edge of said flange; and means for removably and rotatively mounting a roll of sheet material within the cover to swing therewith, with the axis of the roll parallel to that of the cover hinge; said hinge axis being forward of the center of gravity of the cover when the latter is fully open against said vertical surface, and rearward of the axis of a roll mounted in said cover element when the cover element is in closed position with respect to the base portion.

2,155,085
FASTENER ATTACHING APPARATUS
Walter Faas, South Orange, N. J., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application June 5, 1936, Serial No. 83,680
9 Claims. (Cl. 1—4)



1. Apparatus for attaching tongued fasteners to binders or other supports, comprising a base, a frame in fixed relation to the base, a fastener supporting and driving member mounted on said frame for movement towards and away from the base, and means movably supported by said frame adapted to cooperate with the tongues of a fastener to maintain the same in spaced parallel relation, said means being adapted to be moved from cooperative relation with said tongues by the supporting and driving member in the movement of the latter towards the base.

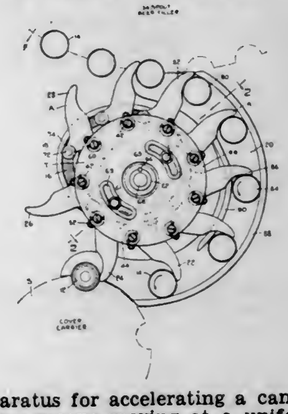
2,155,086
ELECTROLYTE
Alexander M. Georgiev, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application May 9, 1936, Serial No. 78,851
12 Claims. (Cl. 175—315)

1. As a non-aqueous electrolyte of relatively high fluidity for an electrolytic cell, the combination including the reaction product of an amine, and glacial acetic acid, said reaction product having moderately basic reaction.

2,155,087
PROCESS OF DEPILATING HIDES AND SKINS
Wolfgang Grassmann, Dresden-Loschwitz, and Herbert Schelz, Dresden, Germany, assignors to the firm: Studiengesellschaft der Deutschen Lederindustrie G. m. b. H., Dresden, Germany, a company of Germany
No Drawing. Application January 13, 1938, Serial No. 184,772. In Germany January 14, 1937
12 Claims. (Cl. 149—2)

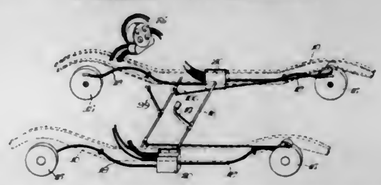
1. A process of depilating hides and skins which comprises soaking them, treating them in an alkaline bath which, per se, does not act as a depilating or hair destroying agent, rinsing them with water, and subsequently treating them with sulhydrates or sulfides of a concentration and/or a pH value which, per se, will not destroy the hair.

2,155,088
ACCELERATING DEVICE
Arthur G. Hopkins, Maspeth, N. Y., assignor to McKeesport Tin Plate Corporation
Application January 19, 1937, Serial No. 121,284
11 Claims. (Cl. 198—22)



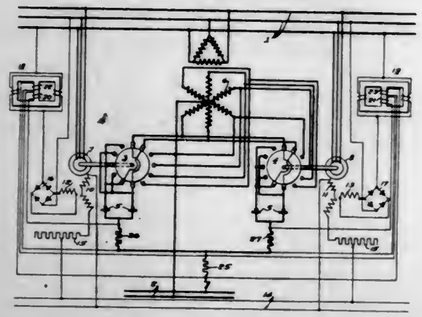
1. Apparatus for accelerating a can, comprising driving means moving at a uniform speed, means driven thereby to move a can, control means to move said can moving means backward relative to the driving means during substantially all of the time that the can-moving means is moving the can, but the backward movement produced by said control means being at a decreasing rate in order to accelerate the can.

2,155,089
BRAKE MECHANISM
Frank W. Hunyady, Chicago, Ill.
Application April 2, 1936, Serial No. 72,230
9 Claims. (Cl. 188—204)



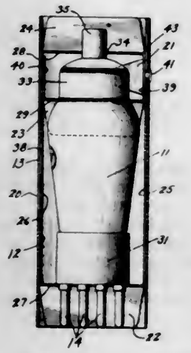
1. In a brake mechanism, the combination with a chassis having rotatable members mounted thereon, brake mechanisms for said rotatable members and a brake lever, of means for indicating the adjustment of said braking mechanisms with relation to each other, including an indicating device for each of said brake mechanisms mounted on said chassis, operating means associated with each of said brake mechanisms and so related to the same and to said brake lever as to operate said brake mechanisms upon movement of said lever, and means associated with each of said brake operating means to move its respective indicating device upon movement of said operating means and adjusting means adjacent said indicating device to regulate said operating means.

2,155,090
REGULATOR SYSTEM FOR PARALLEL OPERATION OF COMMUTATOR RECTIFIERS
Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 10, 1938, Serial No. 213,040
In Germany June 10, 1937
5 Claims. (Cl. 175—364)



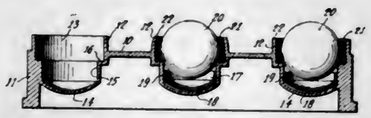
1. An electric current conversion system for transferring energy between an alternating current circuit and a direct current circuit comprising two commutator type rectifiers connected in parallel between said circuits, electric valves connected in series with each of said commutator devices to relieve the commutating duty thereon, individual synchronous motors for each of said commutator devices, a split field winding in said synchronous motors and means responsive to the division of load between said commutator devices for varying the current supplied to a portion of said field windings.

2,155,091
CARTON
Charles G. Johnson, Owensboro, Ky., assignor to Ken-Rad Tube & Lamp Corporation, Owensboro, Ky., a corporation of Kentucky
Application October 29, 1937, Serial No. 171,634
5 Claims. (Cl. 229—6)



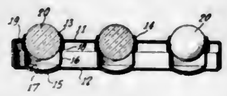
1. A carton for housing radio tubes comprising an outer shell, an inner shell slidably mounted within said outer shell and having end portions for extension across the upper and lower ends of a radio tube, one of said shells having a longitudinal slot therein, a stop member carried by the other of said members and extending through said slot to form a pin and slot connection, and means on said stop member for preventing removal thereof from said slot, said pin and slot connection being such that said inner shell may be longitudinally moved to expose the base prongs of the radio tube but not sufficiently to remove the radio tube from said carton.

2,155,092
REFLECTOR
Morris Kaplowitz, Brooklyn, N. Y., assignor to Microphone Corporation of America, Brooklyn, N. Y., a corporation of New York
Application February 20, 1936, Serial No. 64,871
7 Claims. (Cl. 88—82)



1. In a multiple reflector, a unitary housing, said housing having a front wall with a plurality of openings therein, said openings having peripheral walls extending substantially perpendicular to the face of said front wall and forming peripherally walled sockets, said peripherally walled sockets being integral with said front wall, each of said peripherally walled sockets having socket locking means, said socket locking means consisting of a portion of said peripherally walled socket extending above said front wall, each of said peripherally walled sockets having a seat, said seats and said socket locking means being integral with said peripherally walled sockets, an auto-collimating catadioptric reflecting unit mounted in each of said peripherally walled sockets, said units being seated on said seats, the front faces of said units projecting through said openings in said front wall, said peripherally walled sockets and said seats forming retaining casings for said units mounted therein, said portions of said peripherally walled sockets extending from said front wall being peened inwardly to engage said units and lock them in said sockets.

2,155,093
REFLEX REFLECTOR
Morris Kaplowitz, Brooklyn, N. Y., assignor to Microphone Corporation of America, Brooklyn, N. Y., a corporation of New York
Application September 30, 1936, Serial No. 103,315
7 Claims. (Cl. 88—82)



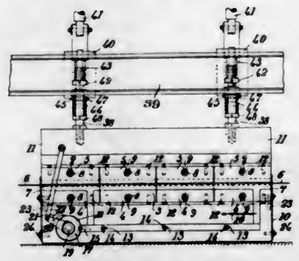
2. In a multiple lens reflex reflector comprising a front wall having openings therethrough, a rear wall, separate lens positioning cups having concave mirrored floors and upwardly extending peripheral walls, said peripheral walls encircling the open ends of said cups, a lens mounted in each of said openings, the front faces of said lenses projecting through said openings, the open ends of said cups being positioned over the back faces of said lenses, said lenses being positioned between the inner peripheries of said openings and the open ends of said cups, said lenses being larger in diameter than said open ends of said cups and said openings, said peripheral walls of said cups positioning said lenses at a substantially focused relation to said concave mirrored floors, said cups being mounted in axial alignment with said lenses and said openings, the bottoms of said cups resting against said rear wall, said rear wall pressing said cups against said lenses and said lenses against the inner peripheries of said openings, and a surrounding annular wall connecting said front and rear walls, said front and rear walls being locked together thereby locking said lenses and said mirrored cups into a focused relation.

2,155,094
GRAPHIC METHOD AND MEANS
Fred W. Kiessling, Cleveland Heights, Ohio
Application June 24, 1936, Serial No. 87,033
2 Claims. (Cl. 95—5)



2. A method of reproducing printed matter which comprises optically displacing lines of such printed matter and optically altering the angular relationship of characters with respect to alignment of said lines and also optically altering the mutual angular relationship of strokes of said characters, photographing lines so altered, separating such photographed lines and thereafter reassembling such separated lines on a common sheet while retaining the character alterations.

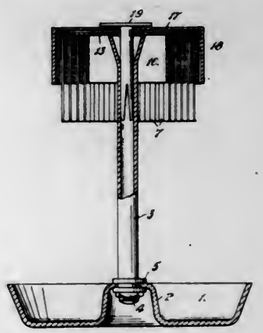
2,155,095
ELECTROWELDING OF WIRE NETTINGS
Wilhelm Krämer, Emmerich, Rhine, Germany
Application October 14, 1937, Serial No. 168,849
In Germany October 16, 1936
18 Claims. (Cl. 219—4)



1. In a method of making welded nettings of longitudinal and transverse wires with the aid of welding electrodes the steps of operation which comprise causing a stepwise advancement of the longitudinal wires in their longitudinal direction relative to the electrodes, causing a stepwise and reciprocating relative movement between said electrodes and said longitudinal wires in a transverse direction, said transverse movement being so timed that its steps substantially coincide with steps of the advancement, feeding successively transverse wires to the place of welding, said feeding being so timed that a transverse wire is present at the place of welding in each interval between two successive steps of advancement of the longitudinal wires, and applying the welding electrodes in the intervals between the steps of advancement.

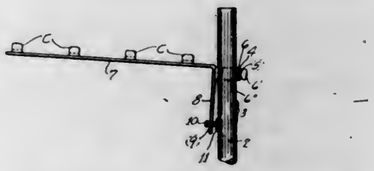
4. In a machine for welding nettings of longitudinal and transverse wires, the combination of an elongated electrode arranged transversely of the longitudinal wires of a netting to be welded, means for guiding said longitudinal wires parallel and in spaced relation to each other, and at substantially right angles to said electrode, and means for causing a reciprocating relative movement of said electrodes and said guiding means in the transverse direction.

2,155,096
STAND FOR HOLDING MATCH PACKAGES
Kurt Landauer, London, England
Application December 5, 1936, Serial No. 114,309
3 Claims. (Cl. 206—20)



1. A holding stand for a match package, comprising a base, a standard on said base, said standard having a flared hollow upper end, an inverted cup-shaped housing for a match package, said housing being carried by said standard and a split-stemmed plug carried by said housing and entered in the hollow flared end of said standard.

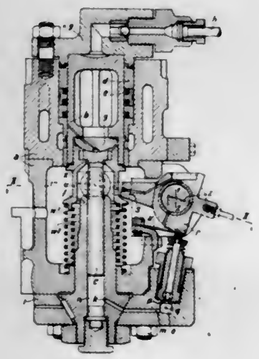
2,155,097
DISPLAY FIXTURE
Milton D. Mendle, Clayton, Mo., assignor to American Fixture & Showcase Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application July 15, 1937, Serial No. 153,745
3 Claims. (Cl. 248—125)



1. A display-fixture comprising, in combination, a standard having a longitudinal series of

recesses, a clamp-member mounted embracingly on the standard, said clamp-member being formed of strap metal and integrally including an arcuate end-section, an intermediate straight section tangential at its one end to said arcuate end-section, and a straight end-section joined to the other end of the intermediate section and extending at right angles thereto, a screw threadedly mounted in the straight end-section of the clamp-member for selective engagement with the standard at a respective recess, a bracket arm mounted on the clamp-member and having a downwardly extending leg, and a laterally adjustable saddle on said leg engageable with the standard for shifting the arm and the associated clamp-member pivotally with respect to the standard.

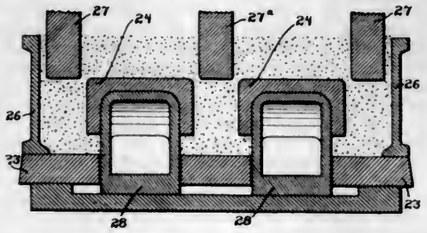
2,155,098
FUEL INJECTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Karl Mohr, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany
Application February 2, 1937, Serial No. 123,583
In Germany February 7, 1936
5 Claims. (Cl. 103—50)



1. In a fuel injecting device for internal combustion engines, a freely movable differential piston comprising a large end and a small end, said ends being relatively movable, cylinders for the respective ends of said piston, means forming a fuel inlet conduit to the cylinder space in which the small end of said piston operates, a fuel inlet valve controlling said conduit, and a pivoted control member for said valve comprising a lever arm linked to the large end of said differential piston.

2,155,099
METHOD OF MANUFACTURING SAND MOLDS FOR METAL CASTINGS
Earl F. Oyster, Shaker Heights, and Frank T. Spikerman, Clinton, Ohio
Application January 19, 1938, Serial No. 185,702
3 Claims. (Cl. 22—193)

1. A method of making a mold comprising placing a pattern in a flask, filling the flask with sand, piercing the sand on a relatively restricted area down to the region adjacent the pattern and



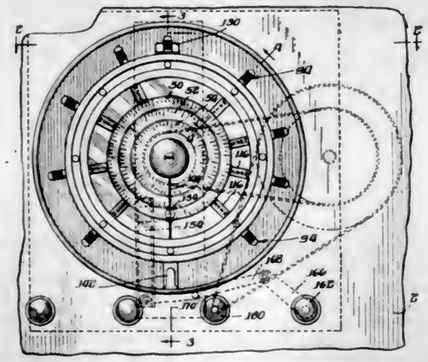
simultaneously subjecting the sand to vibrations.

2,155,100
SAFETY DEVICE FOR PROJECTILE FUSES
Luigi Sceizo, Rome, Italy
Application April 10, 1937, Serial No. 136,060
In Italy April 17, 1936
3 Claims. (Cl. 102—39)



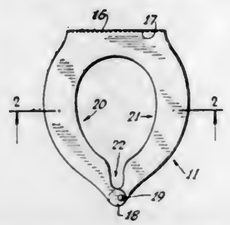
1. A fuse for a projectile including a fuse body having a spherical bore therein, a spherical member in said bore having a diametrical passage extending entirely therethrough, the spherical surface of said member and the spherical bore of the fuse body constituting a universal mounting for said member, said spherical member being located with its center disposed substantially on the longitudinal axis of the projectile, whereby when the projectile is fired the centrifugal force of rotation of the projectile will cause the spherical member to take a position wherein the diametrical passage is aligned with the longitudinal axis of the projectile.

2,155,101
RADIO DIAL
William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application August 4, 1937, Serial No. 157,262
13 Claims. (Cl. 116—124.4)



1. In a radio receiver or the like having a tuning element, relatively fixed and movable position indicating elements, the movable one of said elements being provided with broadcast scales, means for connecting said movable element to said tuning element, said movable element comprising a circular plate, a plurality of angularly spaced, radially extending selector fingers adjustably secured to the rim of said plate, a station indicator operatively associated with each selector finger, said selector fingers being adjusted into positions relative to the scale carrying element corresponding to the broadcast positions of the stations represented by said indicators, and a fixed stop indicator for indicating the position to which said selector fingers should be moved to tune the receiver to the stations represented by said station indicators.

2,155,102
TOILET SEAT MAT PACKAGE
Agnes Marion Seraphin, New York, N. Y.
Application May 19, 1937, Serial No. 143,441
4 Claims. (Cl. 4—245)



1. A toilet seat cover comprising a member made of flexible sheet material having the shape of a toilet seat and being split at the front, the split ends of the cover being overlapped and provided with quickly detachable fastening means for attaching together the overlapping portions.

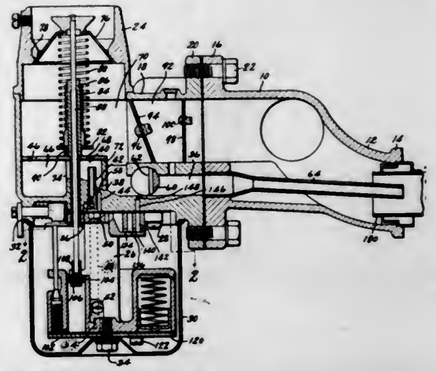
2,155,103
MANUFACTURE OF PRINTING INKS
Ramon N. Shiva, Chicago, Ill.
No Drawing. Application October 10, 1936, Serial No. 105,090
4 Claims. (Cl. 134—35)

1. The process of producing a printing ink which comprises mixing a wet color pulp with a colloidal hydrous gel, evaporating from the resultant mixture an amount of water or moisture substantially equal to the water content of the pulp and thereupon incorporating a drying oil with the product thus obtained.

3. A printing ink comprising approximately the following materials: 4.95 parts by weight of "collagel"-containing color pulp, 4.75 parts by weight of mixed drying oils containing about 5% of triethanolamine stearate, and 1.27 parts by weight of a lead manganese oxidizing agent.

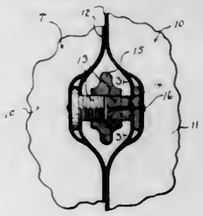
2,155,104
CHARGE FORMING DEVICE
Wilford H. Teeter, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 20, 1929, Serial No. 415,496
27 Claims. (Cl. 261—34)

1. A charge forming device for an internal combustion engine comprising a mixture passage, means for supplying fuel and air to said mixture passage, a throttle for controlling the flow through said mixture passage, a means for supplying additional fuel to the mixture passage on opening movements of the throttle to enrich the



mixture during the acceleration period, an air valve and an auxiliary pump operated by the air valve for supplying additional fuel to the mixture passage during the acceleration period.

2,155,105
INNER TUBE FOR PNEUMATIC TIRES
Helmuth M. Thiele, Milwaukee, Wis.
Application April 11, 1938, Serial No. 201,361
1 Claim. (Cl. 152—333)

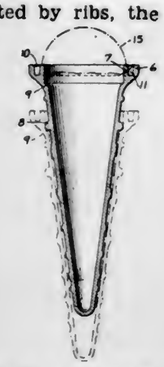


In a pneumatic tire, an inner tube comprising, a plurality of independent companion sections, one of said sections being provided with an air inflation valve, each of said sections including end walls and outwardly extending nipples carried by said end walls, means detachably connecting the nipples of adjacent sections together, and said nipples being provided with restricted air passageways.

2,155,106
ICE CREAM CONE
Francis W. Turnbull, Chattanooga, Tenn., assignor to Turnbull Cone & Machine Company, Chattanooga, Tenn., a corporation of Tennessee
Application February 7, 1935, Serial No. 5,373
5 Claims. (Cl. 99—89)

1. A pastry cup comprising a hollow handle portion of substantially uniform thickness, a top portion of greater thickness and greater size than said handle portion formed integral therewith, said top portion having a number of spaced narrow recesses in its upper edge dividing it into an inner continuous lip and an outer continuous

mouth connected by ribs, the tops of the ribs



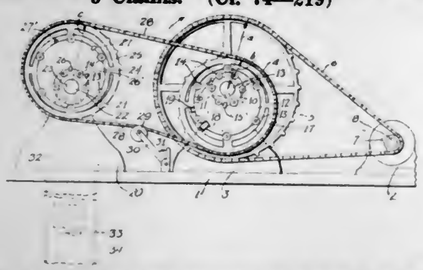
being substantially continuous with the tops of the lip and mouth.

2,155,107
PROCESS FOR THE MANUFACTURE OF ROCK WOOL
Waldo E. Tyler, Kansas City, Mo., and Paul R. Chamberlain and Russ A. Loveland, Dewey, Okla., assignors to Dewey Portland Cement Company, Kansas City, Mo., a corporation of West Virginia
No Drawing. Application November 25, 1936, Serial No. 112,660
3 Claims. (Cl. 106—36.3)

1. In a method of making rock wool, the step which comprises forming a charge of a mixture of between 10 parts of Portland cement clinkers and 4 parts of siliceous acidic rock material and 10 parts of said clinkers and 30 parts of said rock material by weight, said clinkers and rock having approximately the following composition:

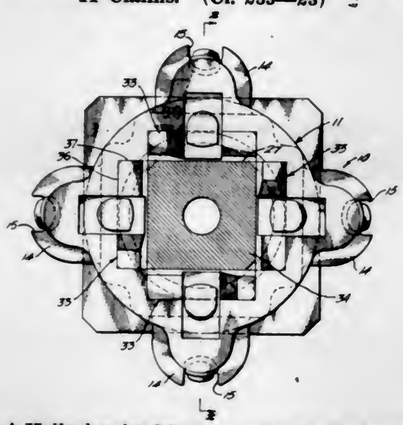
	Clinkers Percent	Rock Percent
SiO_2	21.5	89.8
Al_2O_3	7.1	4.8
Fe_2O_3	3.6	2.9
CaO	66.5	0.4
MgO	1.4	0.3

2,155,108
PUMPING GEAR
Elmer G. Ware, Bakersfield, Calif.
Application August 17, 1938, Serial No. 225,325
5 Claims. (Cl. 74—219)



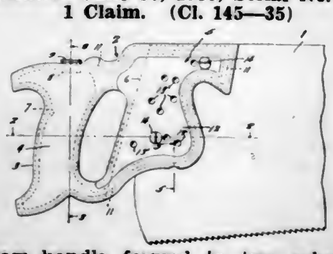
1. A pumping gear comprising a shaft, a large sprocket driving gear concentrically mounted on the shaft, a smaller sprocket gear eccentrically connected to the shaft, a driven crank shaft, a third sprocket gear eccentrically mounted on the crank shaft and being connected to the second sprocket gear by a chain, pump rods connected to the crank shaft, said second sprocket gear being arranged on the shaft so that the driving side of the chain will be disposed close to the shaft when the rods and crank shaft are at the start of their upstroke, the driving side of the chain being connected to the portion of the third sprocket gear that is furtherest removed from the crank shaft when the parts are in this position.

2,155,109
KELLY-BAR BUSHING
Walter A. Abegg, Los Angeles, Calif.
Application April 13, 1938, Serial No. 201,768
11 Claims. (Cl. 255—23)



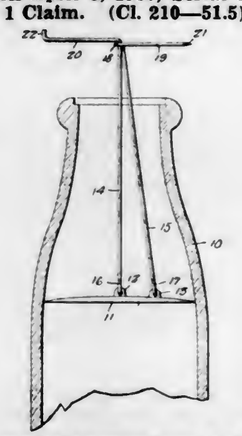
1. A Kelly-bar bushing comprising a body member engaging a rotary table on which it is placed, a bowl formed as a part of said body member and extending upwardly therefrom and being formed with an opening therethrough, longitudinal slots formed in the wall of said opening, the number of slots agreeing with the side faces of a Kelly-bar, guide inserts adapted to be vertically aligned, one in each of said longitudinal grooves, the innermost faces of said inserts bearing against the vertical faces of the Kelly-bar, interlocking means between the lower ends of the guide inserts and body member to limit downward movement of the inserts and to hold the lower ends of the inserts against lateral movement within the grooves, inclined bosses formed as a part of the body member and formed around the bowl adjacent to the grooves therein, and hook bolts disposed in said bosses with their heads overhanging the grooves and engaging faces at the upper ends of the guide inserts, whereby to hold the guide inserts in their interlocking position when the bolts are positioned in their bosses and tightened.

2,155,110
SAW HANDLE
James N. Alexander, Birmingham, Ala.
Application June 30, 1936, Serial No. 88,235
1 Claim. (Cl. 145—35)



A saw handle formed in two substantially mirror-image halves, each of said halves comprising a grip portion and a blade engaging portion, said blade engaging portion being offset from the line of juncture of said halves a distance half the width of a saw blade, said grip portion having a part bellied out from the line of juncture and adapted to form a lubricant reservoir with the other of said halves, said half having a concave groove on the juncture side joining said bellied-out portion and extending from it around the edge of the blade engaging portion, said groove having sunken shoulders, a sealing strip fitting on to said shoulders in counter-sunk relationship with the surface of said half on its juncture side, said blade engaging portion having at its lower side a second concave groove intersecting the first mentioned concave groove and adapted to fit along the edge of a saw blade, said sealing strip having a cut away portion adjacent the second mentioned groove.

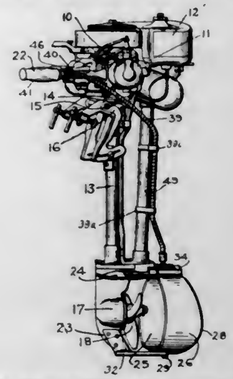
2,155,111
CREAM SEPARATOR
Herman T. Anderson, Le Feria, Tex.
Application April 3, 1937, Serial No. 134,849
1 Claim. (Cl. 210—51.5)



A cream separator comprising a circular pliable rubber disc tapered toward the edge and having a center hinge eye and eccentric hinge eye on the top face, a pair of levers formed of stiff wire hinged at the lower ends to respective ones of said eyes, the lever connected to the eccentric eye sloping toward the lever connected to the center eye and being formed at the upper end with a convolution receiving the last named lever, both levers being bent outwardly at a right angle at the upper end to provide oppositely extending handles, the combined length of said handles being greater than the diameter of the neck of a milk bottle and being adapted to engage said neck and prevent the cream separator from falling into the bottle, one of the handles terminating in a sharpened point and the other terminating in a hook, the hook and eye being adapted to effect removal of a paper milk bottle stopper preparatory to removing the cream.

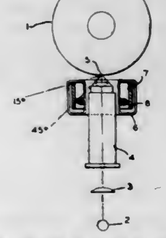
2,155,112
SPEED CONTROL FOR OUTBOARD MOTOR-BOATS
Howard F. Anderson, Torrington, Conn.
Application December 27, 1937, Serial No. 181,765
6 Claims. (Cl. 115—18)

3. In mechanism for controlling the speed of a motor boat having an outboard motor provided with a driven propeller and a tiller handle for swinging said motor and propeller to steer the boat, a pair of opposed plates swingably mounted one on either side of said propeller, rotary control means twistably mounted on said handle and on



the same axis therewith, and means responsive to the twisting of said control means to swing said plates about the propeller to control the flow of the water driven by said propeller and thereby the speed of said boat.

2,155,113
SCANNING DEVICE
Harry M. Biele, Hollis, N. Y., assignor to Associated Press, New York, N. Y., a corporation of New York
Application February 10, 1938, Serial No. 189,773
7 Claims. (Cl. 178—7.1)

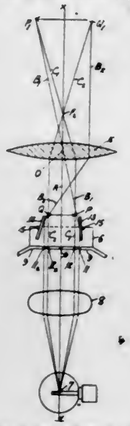


1. In a scanning apparatus, a tubular photo electrical cell, an opaque tube supporting an optical system extending through said cell, the arrangement being such that the elements of said photo electric cell are concentrically disposed in respect to said tube.

2,155,114
MEANS FOR USE IN THE DEMONSTRATION OF OPTICAL SYSTEMS AND APPARATUS
Robert Kerr Black, Horwich, England
Application June 27, 1938, Serial No. 216,167
In Great Britain July 3, 1937
3 Claims. (Cl. 35—19)

1. Apparatus of the type described comprising, an opaque baffle having spaced parallel slits for the passage of light rays from a source therethrough, a pivotally mounted reflector associated with each end of the baffle, some of said slits being arranged to permit light rays to pass through the baffle in an undeflected manner, and said reflectors being movable to deflect light rays passing through slits adjacent the ends of

the baffle so that the reflected light rays intersect



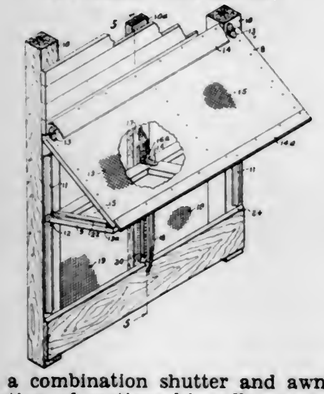
the undeflected rays in a plane of an object under observation.

2,155,115
HAIR WAVING APPARATUS
Fernan O. Conill, New York, N. Y.
Application October 30, 1936, Serial No. 108,485
In France April 28, 1936
28 Claims. (Cl. 132—36)



1. In an apparatus for waving hair, a heating chamber, a curling member adapted to be positioned in said chamber, means to rotate the curling member to wind a lock of hair thereon, and automatically actuated means to circulate a heating medium throughout the heating chamber.

2,155,116
COMBINATION SHUTTER AND AWNING
John G. Cox, Wichita Falls, Tex.
Application July 21, 1936, Serial No. 91,747
4 Claims. (Cl. 20—59)



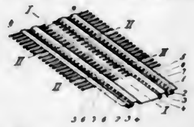
1. In a combination shutter and awning, the combination of sections hingedly connected together, means for supporting said sections, means for guiding opposite end portions of one of said sections, a guide pivotally connected with said section intermediate the ends thereof, and means connected with said guide for relatively moving said sections.

2,155,117
TABLET
Benjamin S. Davis, Newport News, Va.
Application June 16, 1938, Serial No. 214,107
3 Claims. (Cl. 281—21)



1. A tablet comprising a series of sheets having a series of registering openings arranged across one end and a securing strip folded with a looped portion cemented together and forming a reduced portion and folded around the ends of the sheets and cemented to the upper and lower sheet and cemented together through said openings.

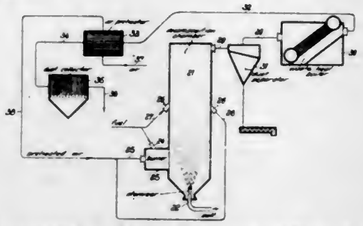
2,155,118
MATCH PACKET MANUFACTURING MACHINE AND METHOD
Paul Wilhelm Dietmann, Jonkoping, Sweden
Application May 7, 1936, Serial No. 78,497
In Sweden May 18, 1935
20 Claims. (Cl. 93—2)



1. In a method of manufacturing match packets of the character described, the steps of advancing a continuous packeting strip in a course extending in its longitudinal direction, said advancing comprising intermittent motion through a first part of the course and continuous motion through a second part of the course, inserting a plurality of individual match splints simultaneously into the packeting strip when at rest in said first part of its course, dipping the splints when in said second part of the course, inserting the splints a further distance into the strip when dipped, and cutting the strip into sections corresponding to individual packets.

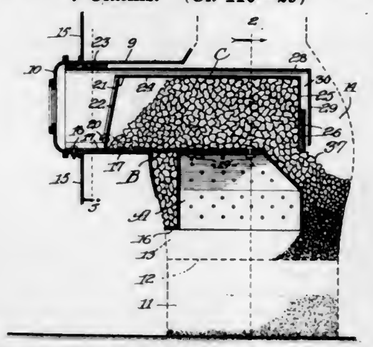
2,155,119
PROCESS OF AND APPARATUS FOR THE THERMAL DECOMPOSITION OF SUBSTANCES OR MIXTURES OF SAME
Karl Ebner, Oberursel, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application August 10, 1936, Serial No. 95,304
In Germany August 13, 1935
8 Claims. (Cl. 23—1)

1. A process of thermally decomposing a metal salt to the production of metal oxide which comprises bringing a finely atomized mixture of the salt and a vaporizable liquid into intimate contact with a heating gas whereby the particles of said mixture are disintegrated by the sudden vaporization of their liquid content, passing the resulting mixture co-currently through an elongated decomposition chamber, the heating gas being in quantity and at a temperature sufficient to vaporize the liquid from the mixture and substantially completely decompose the salt and leave the decomposition chamber at a temperature near the decomposition temperature and carry practically all of the formed metal oxide with it in suspension.



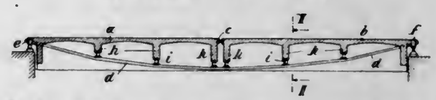
8. A process of thermally decomposing a metal salt to the production of the corresponding metal oxid in finely divided form which comprises atomizing a composition of the salt and a vaporizable liquid into an atmosphere of a heating gas including a combustible gas at a temperature sufficient to disintegrate the atomized particles of the composition by sudden vaporization of the liquid, passing the resulting mixture of disintegrated atomized composition and gas co-currently through an elongated chamber, and introducing air into said chamber at points distributed along the length of said chamber for combination with said combustible gas to maintain the temperature of the resulting mixture at substantially the decomposition temperature of the salt to the end of said elongated chamber, whereby the salt is decomposed and the resulting metal oxid is carried out of said elongated chamber in suspension in the gas which latter leaves the chamber at substantially the decomposition temperature of the salt.

2,155,120
DOWN-DRAFT BURNER
Julian Robert Fellows, Urbana, Ill.
Application December 19, 1936, Serial No. 116,799
7 Claims. (Cl. 110—29)



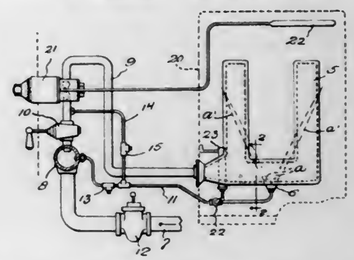
1. In a furnace having a grate, and a fire-pot with a firing-neck and combustion chamber, a down-draft coal-burner comprising: an auxiliary grate mounted in said fire-pot above said grate, said auxiliary grate having perforate walls sloping downwardly and outwardly from the center of the combustion chamber; and a closed-top coal-charging housing having its top and lateral walls sealed in said firing-neck and extending horizontally into said combustion chamber, and having a rear wall and bottom opening above said auxiliary grate so that air entering the furnace through the firing-neck must pass through and beneath said housing.

2,155,121
FERRO-CONCRETE BEAM
Ulrich Finsterwalder, Berlin-Wilmersdorf, Germany
Application June 10, 1937, Serial No. 147,579
In Germany January 11, 1936
10 Claims. (Cl. 72—56)



5. A ferro-concrete beam, comprising a compression plate formed by a pair of elongated concrete members hinged together at their inner ends each of said members having at least one downwardly extending portion, and at least one tension band, the ends of said band being secured to said members substantially at the outside ends thereof, respectively, said band being engaged beneath said downwardly extending portions.

2,155,122
BURNER IGNITING DEVICE
Frederick L. Fox, Washington, D. C.
Application January 26, 1937, Serial No. 122,438
4 Claims. (Cl. 158—115)

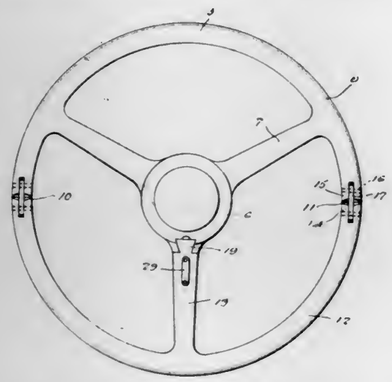


1. In combination, a main burner, a manually operable valve for controlling the flow of fuel to said main burner, a pilot burner for igniting said main burner, and a thermostatically operated valve for controlling the flow of fuel to said pilot burner, said thermostatically operated valve having its thermo-sensitive element arranged so that a portion of the flame of the main burner will play directly thereon for automatically causing the pilot burner to be turned down when said manually operable valve is actuated to turn the main burner up and for automatically causing the pilot burner to be turned up when said manually operable valve is actuated to turn the main burner down.

2,155,123
FOLDING STEERING WHEEL
Robert Gerardy, Atchison, Kans.
Application April 5, 1938, Serial No. 200,184
1 Claim. (Cl. 74—555)

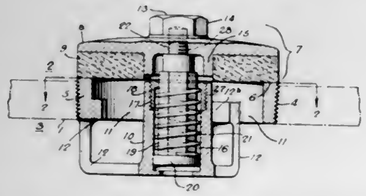
A foldable steering wheel comprising a hub having spokes extending radially therefrom, a rim carried by said spokes, said rim being split transversely the adjacent split ends of the rim being bifurcated, a link having its opposite ends positioned in the furcations of adjacent rim sections and pivoted thereto to provide a fixed rim sec-

tion and a foldable rim section, the latter being foldable in superposed relation upon the fixed rim section, a dove-tailed socket formed in the hub, a dove-tailed extension formed on a spoke car-



ried by the foldable section and adapted to conformably seat in said socket and latch means releasably securing the spoke to the hub to secure the sections against movement in a normal position.

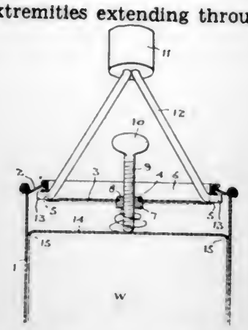
2,155,124
VALVE UNIT
Michael A. Gibbons, Philadelphia, Pa.
Application March 9, 1937, Serial No. 129,936
6 Claims. (Cl. 251—144)



1. A valve unit comprising a base element provided with a fluid port, a valve seat surrounding said port, a central member axially disposed in said port and rigidly connected to said base element, a movable valve element arranged to engage said seat to close said port and including a central member axially aligned with the central member of said base element, a stud having one end rigidly secured in one of said central members and its opposite end projecting therefrom into an open end of an axial cavity formed in the other of said central members, a relatively fixed abutment on the projecting end of said stud, and a relatively movable abutment slidably mounted on and splined to said stud and threaded into said open end of said axial cavity.

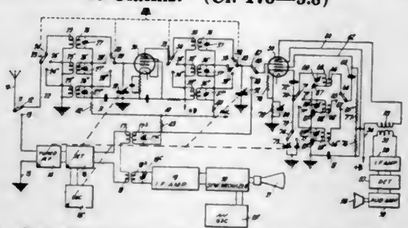
2,155,125
FLOOR WAXING DEVICE
Samuel J. Glenn, Toronto, Ontario, Canada
Application May 13, 1938, Serial No. 207,689
In Canada December 10, 1937
7 Claims. (Cl. 91—36)

1. A floor waxing device comprising a container having an inturned rim, a cover adapted to fit within said rim, and a forked handle having its extremities extending through said cover



and engaging said rim, locking the container and handle together.

2,155,126
SOUND AND TELEVISION RECEIVING SYSTEM
Peter C. Goldmark, Brooklyn, N. Y., assignor to Markia Corporation, New York, N. Y., a corporation of New York
Application August 12, 1936, Serial No. 95,580
10 Claims. (Cl. 178—5.8)

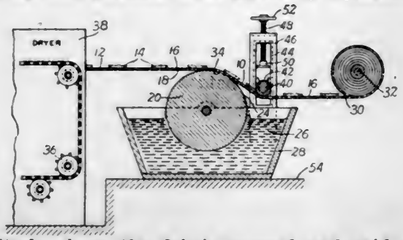


1. Apparatus for the reception of both sole sound broadcast signals and combined sound and vision signals comprising in combination, means for receiving sole sound broadcast signals and reproducing them as audible signals, said means including a heterodyning stage adapted to produce sound intermediate frequency signals, means for receiving combined sound and vision signals and for reproducing the vision components of said combined signals as visible signals, the second-mentioned means including heterodyning means for converting the sound components of said combined sound and vision signals to an intermediate frequency other than that of the first-mentioned sound intermediate frequency signals but to which the first-mentioned heterodyning stage is responsive to convert it to the frequency of the first-mentioned sound intermediate frequency signals, and means for transferring the sound components of said combined sound and vision signals to the first-mentioned heterodyning stage at the sound intermediate frequency produced by the second-mentioned heterodyning stage.

2,155,127
FABRIC
Clarence T. Graham, North Attleboro, Mass., assignor, by mesne assignments, to Defiance Manufacturing Company, Barrowsville, Mass., a corporation of Massachusetts
Original application February 2, 1935, Serial No. 4,643. Divided and this application August 23, 1938, Serial No. 226,238
1 Claim. (Cl. 139—391)

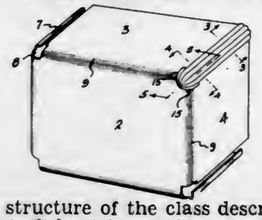
As a new article of manufacture, a finished woven textile fabric including a plain, relatively

open mesh ground, raised pattern or figure forming portions on the face of said ground constituted by rovings having bight portions interengaged with threads of said ground, said rovings having end portions in a generally upstanding



attitude above the fabric ground and said end portions extending away from the ground and being in fluffed up, soft, unmatted condition, the fabric, ground and the bight portions of the rovings being finished and the fluffed up, soft, unmatted roving ends being unfinished.

2,155,128
CABINET CONSTRUCTION
Walter Park Gray, Cincinnati, Ohio, assignor to The Crosley Corporation, a corporation of Ohio
Application February 25, 1937, Serial No. 127,738
6 Claims. (Cl. 29—148.2)



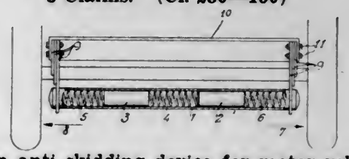
1. In a structure of the class described, a body of sheet stock bent to provide a main panel and a plurality of other panels integral therewith, said other panels having approaching but noncontacting side edges, and corner members for said structure cast in place to form ornamental edges for said structure and to join said approaching edges of the panel members.

2,155,129
DRILLABLE WELL LINER
Elwin B. Hall and Arthur L. Armentrout, Los Angeles, Calif.
Application January 18, 1938, Serial No. 185,530
13 Claims. (Cl. 166—21)



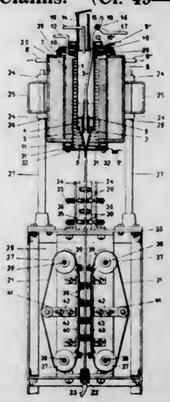
1. A liner for use in oil wells and the like, comprising a ductile liner mainly composed of aluminum and which is characterized by the fact that it is substantially free of ingredients such as copper which would otherwise cause the liner to either dissolve or deteriorate in the presence of salt water or other corrosive substances frequently encountered in oil wells.

2,155,130
ANTISKIDDING DEVICE FOR MOTOR VEHICLES
Franz Hanel, Berlin-Charlottenburg, Germany
Application July 7, 1937, Serial No. 152,409
In Germany August 6, 1936
3 Claims. (Cl. 280—150)



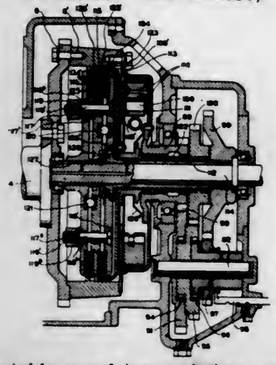
1. An anti-skidding device for motor vehicles, comprising a straight tube, horizontally arranged behind the rear axle of the vehicle, and transversely to the longitudinal axis of the vehicle, two weights displaceably located within the said tube and arranged symmetrically to the medial vertical plane of the vehicle, and elastic means yieldingly urging the said weights away from each other and from the ends of the tube.

2,155,131
APPARATUS FOR DRAWING PIPES FROM QUARTZ OR GLASS HAVING A HIGH CONTENT IN SILICIC ACID
Walter Hänlein, Berlin-Spandau, Germany, assignor to Patent-Treuhand-Gesellschaft für Elektrische Glühlampen m. b. H., Berlin, Germany
Application March 8, 1938, Serial No. 194,677
In Germany March 12, 1937
6 Claims. (Cl. 49—17.1)



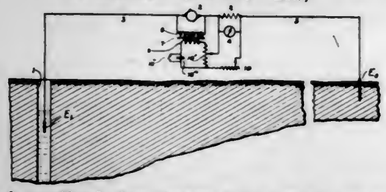
1. The herein described apparatus for drawing pipes from quartz or glass having a content of silicic acid, comprising a tubular melting receptacle made from metal of high melting point and formed at its bottom end as an annular nozzle for the delivery of the molten material, an electrically heated tubular furnace enclosing the said receptacle, and means for supplying protective gas into the pipe being formed, into the top part of the said receptacle, and into the space provided between the said receptacle and the furnace.

2,155,132
AUTOMATIC CHANGE SPEED GEAR
Charles Edouard Henriod, Areuse, Switzerland
Application September 5, 1936, Serial No. 99,656
In France December 20, 1935
14 Claims. (Cl. 74—336)



1. A variable speed transmission comprising a driving member, a driven member, a plurality of speed combinations, a separate clutch for each speed combination, and automatic means controlled by the speed of the driving member and the load on the driven member to control said clutches, said means including centrifugal masses adapted to cause engagement of said clutches when a certain speed is reached, and means connecting said clutches, said clutch connecting means transmitting the load on the driven member to the various clutches, said clutch connecting means including members movable upon variations in the load on the driven member for preventing engagement of one of the clutches as long as the load remains above a predetermined value.

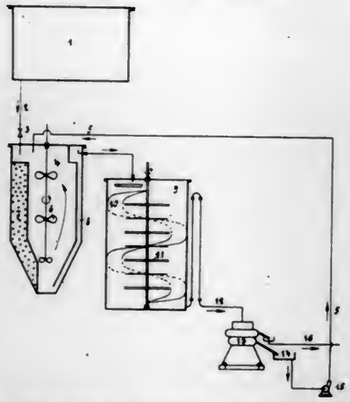
2,155,133
ELECTRICAL METHOD AND APPARATUS FOR DETERMINING THE CHARACTERISTICS OF GEOLOGIC FORMATIONS
John Jay Jakosky, Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application October 28, 1936, Serial No. 108,022
14 Claims. (Cl. 175—182)



1. A method for determining the character and thickness of the strata traversed by a drill hole at different depths, which comprises: passing an electrical current through the formation adjacent the drill hole in a direction substantially parallel to the bedding planes of the strata, between two electrodes connected to a measuring circuit; moving one of said electrodes along the drill hole; and measuring the changes in conductivity of the path of said current between said electrodes as said one electrode is moved to different depths.

10. In an apparatus for use in determining the character and thickness of the strata in a geologic formation traversed by a drill hole, the combination which comprises: a reel; an insulated conductor wound on said reel and constituting a self-inductance which changes with the amount of said conductor carried by said reel; an auxiliary inductance operatively associated with said reel and operative to change its inductance in opposition to the changes in self-inductance of the conductor carried on said reel; two electrodes; and means electrically connecting said conductor and said auxiliary inductance in series between said electrodes.

2,155,134
FERMENTATION PROCESS
Walter Karsch, Tornesch, Germany, assignor to Deutsches Reich, Reichsmonopolverwaltung für Branntwein, Berlin, Germany
Application May 19, 1937, Serial No. 143,611
In Germany December 5, 1935
5 Claims. (Cl. 195—37)



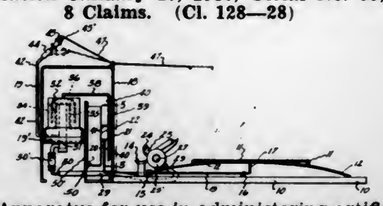
1. A continuous fermentation process for the production of alcohol from liquids containing fermentable sugar comprising, continuously supplying wort liquor to a fermentation system, mixing yeast with the wort liquor, moving the liquor and yeast continuously through said system with continuous unidirectional flow of the entire quantity of the yeast, separating the entire quantity of the yeast contained in the resulting fermented liquor at the end of said system, continuously discharging the separated fermented liquor and returning the entire quantity of the separated yeast to the beginning of the system where it is continuously mixed in with the wort liquor continuously supplied to the system.

2,155,135
HYDROXYLATED POLYAMINES AND THEIR USE IN DYEING WITH VAT AND SULPHUR DYESTUFFS
Valentin Kartaschoff and Jakob Link, Basel, Switzerland, assignors to the firm Chemical Works Formerly Sandoz, Basel, Switzerland
No Drawing. Application June 8, 1937, Serial No. 147,148. In Switzerland June 15, 1936
12 Claims. (Cl. 8—34)

1. The hydroxylated polyamines, prepared by treating the high molecular condensation products of α:γ-glycerinedihalogenhydrine with a nitrogenous compound selected from the class consisting of ammonia, lower alkyl and hydroxyalkyl amines with an aliphatic dihalogenide selected from the group consisting of glycerinedihalogenhydrine and ethylenechloride, which are levelling and stripping assistants for vat and sulphur dyestuffs.

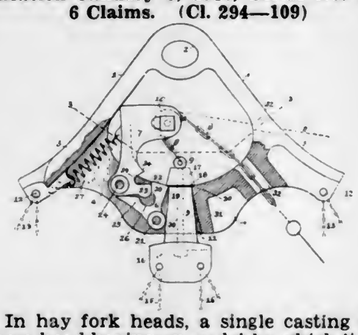
5. A process for dyeing vat and sulphur dyestuffs on cellulosic material, comprising dyeing vat and sulphur dyestuffs in a bath containing 0.01 to 2.0 parts per liter bath of a hydroxylated polyamine prepared by treating the high molecular condensation product of α,γ-glycerinedichlorhydrine with a nitrogenous compound selected from the class consisting of ammonia, lower alkyl and hydroxyalkyl amines, with an aliphatic dihalogenide selected from the class consisting of α,γ-glycerinedihalogenhydrine and ethylenechloride.

2,155,136
METHOD OF AND MEANS FOR RECORDING ARTIFICIAL RESPIRATIONS
Clarence I. Langdon, Dallas, Tex.
Application January 17, 1936, Serial No. 59,499
8 Claims. (Cl. 128—28)



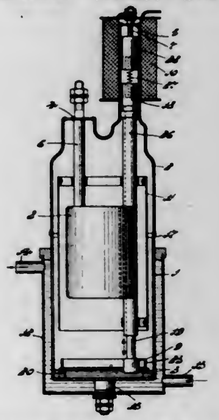
1. Apparatus for use in administering artificial respiration by the periodic application of pressure by the hands of an operator to the prone body of a patient, and comprising a vertically yieldable support for said body, a chart, means associated with the chart and periodically actuated by the downward movement of the support caused by the application of said pressure to said body for indicating on said chart the amount of pressure at each application, means for moving the chart past said indicating means at a predetermined speed whereby the number of respirations during a given period of time are indicated, a conduit adapted to be so connected to the patient's face that air expelled from his lungs during each application of said pressure passes therethrough, and means associated with said conduit for indicating the volume of air expelled therethrough from the patient's lungs during each forced respiration.

2,155,137
HAY FORK HEAD
Brice H. Lantz, Valparaiso, Ind., assignor to Lida S. Lantz and Brice H. Lantz, doing business as Lantz Manufacturing Company, Valparaiso, Ind.
Application January 8, 1937, Serial No. 119,664
6 Claims. (Cl. 294—109)



1. In hay fork heads, a single casting constituting a head having an eyelet by which it is supported, a detachable swivel supported by the head said swivel having suspended therefrom a pair of supporting loops such loops being connected to the upper ends of a pair of tines which tines are free to move independently of each other, and each tine has a separate chain which chains are supported in pairs by the extremities of the head, in combination with a pivoted trip lever, a roller at the outer end of the lever, an operating chain passing over the roller and ending at the swivel to which it is attached, a dog pivoted to the head separately from the trip lever, interacting parts of the dog and the lever for removing the dog from beneath the swivel on a movement of the chain, and a retractable spring for holding the trip lever against movement to thereby maintain the interlocking dog in engagement beneath the head of the swivel to hold the swivel on a projection of the head.

2,155,138
MERCURY CATHODE DISCHARGE TUBE
Hendrik Lems, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 26, 1937, Serial No. 150,625
In Germany July 28, 1936
6 Claims. (Cl. 250—27.5)



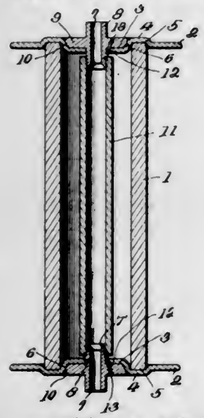
1. A mercury-cathode discharge tube comprising an envelope an anode, a mercury-cathode within said envelope, a cathode-spot anchoring body extending from the surface of said mercury-cathode and secured to said envelope in good heat-transferring relationship, and means to prevent passage of the cathode-spot to the tube wall comprising a metal protective member mounted in poor heat-transferring relationship with said mercury cathode, anchoring body, and tube wall.

2,155,139
PROCESS OF OBTAINING A MIXTURE OF MAGNESIUM OXIDE AND CALCIUM CARBONATE FROM DOLOMITE
Walter H. MacIntire, Knoxville, Tenn., assignor to American Zinc, Lead & Smelting Company, St. Louis, Mo., a corporation of Maine
No Drawing. Application February 24, 1937, Serial No. 127,565
6 Claims. (Cl. 23—201)

1. The process of producing from dolomite a mixture of magnesium oxide and calcium carbonate substantially free from lime, which consists in comminuting dolomite to pass a 100 mesh sieve and then simultaneously agitating and sub-

jecting the same to the action of a current of steam and a temperature of from 550° C. to approximately 600° C.

2,155,140
BOBBIN
George B. Markle, Jr., Hazleton, Pa., assignor to Freeland Spool and Bobbin Corp., Hazleton, Pa., a corporation of Pennsylvania
Application August 7, 1937, Serial No. 157,983
5 Claims. (Cl. 242—118)



1. A bobbin comprising a tubular barrel, a head arranged over each end of said barrel and having an annular recess to receive the ends of the barrel and a central depression, a core disposed within said barrel and having internally threaded ends, collets having externally threaded tubular portions working in the internally threaded ends of said core and an annular flange seated in said depression, and means for locking said collets in position within said core.

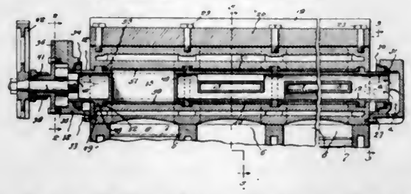
2,155,141
EMULSIFYING AGENTS AND PROCESS OF MAKING SAME
Cornelis Maters, Rotterdam, and Martinus Johannes Riemersma, Wassenaar, Netherlands, assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 4, 1936, Serial No. 77,829
5 Claims. (Cl. 252—1)

2. Process of manufacture of an emulsifying agent comprising saponifying with an excess of an aqueous alkali metal hydroxide the resin obtained by extracting pine wood chips with a coal tar hydrocarbon, removing volatile substances from said extract, and removing wood rosin from the remaining solid resinous mixture by extraction with a petroleum hydrocarbon said resin being also characterized by having a methoxy content of about 3% to about 6%, naphtha-insoluble matter about 98%, melting point about 115° C. and acid number about 100.

2,155,142
COMPOUND GLASS
Howard W. Matheson, Montreal, Quebec, Canada
No Drawing. Application May 29, 1935, Serial No 24,130. In Great Britain May 30, 1934
11 Claims. (Cl. 49—92)

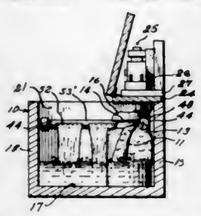
1. Compound glass comprising a plurality of sheets of glass and a sheet of a polyvinyl resin between each two adjacent sheets of glass, the said resin sheet including a resin produced from a polyvinyl ester having a viscosity above 10 centipoises and which has been hydrolyzed to an extent of at least 70% and condensed with an aldehyde until the acetal reaction has proceeded to at least approximately 80% of completion.

2,155,143
INTERNAL COMBUSTION ENGINE
Gage C. McDermett, Wichita Falls, Tex.
Application June 25, 1937, Serial No. 150,381
3 Claims. (Cl. 123—59)



1. In an engine, the combination of a valve casing having inlet and exhaust ports and provided with ribs in surrounding relation to said ports, a rotary cylindrical valve mounted in said casing and having a port for cooperating with said inlet and exhaust ports, a bearing sleeve surrounding said valve and having ports registered with said inlet and exhaust ports, said rib and the walls of the ports of said bearing sleeve having contacting bevelled surfaces.

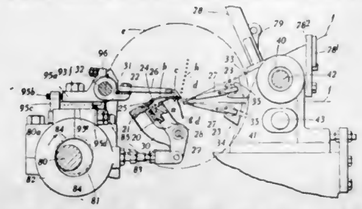
2,155,144
REFRIGERATION SYSTEM
Leslie G. Morse, Randolph, Vt., and Benjamin B. D'Ewart, Worcester, Mass.
Application March 12, 1937, Serial No. 130,590
8 Claims. (Cl. 62—101)



4. A milk cooling system comprising a tank adapted to receive a plurality of milk cans of the character described, a vertical tubular flume element open at top and bottom and having a lateral duct located at a level immediately above the level of the shoulder of such a can when set on the floor of the tank, and having a longitudinal discharge slot therein whereby liquid may be ejected therefrom upon the upper side of a can set thereadjacent, a refrigerating element in the flume, and means to raise liquid through the flume from its lower end and discharge it through said duct and slot.

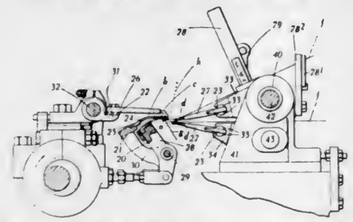
2,155,145
KNITTING MACHINERY
James Morton and Robert Stewart Erskine Hannay, Carlisle, England, assignors to F. N. F, Limited, Purley Way, Croydon, England, a British company
Application November 12, 1936, Serial No. 110,539
In Great Britain February 21, 1936
17 Claims. (Cl. 66—86)

1. In a warp knitting machine, in combination, a plurality of elements arranged, when the machine is working, to take part in the knitting of a plurality of warps into fabric at points approximately located at a knitting centre constituted by an imaginary fixed line, said elements comprising a row of knitting needles arranged to draw loops in the warps, a row of tongues arranged to take part in the casting off of loops from said needles, a row of warp guides arranged to lap the warps over said needles, thereby enabling said needles to draw the loops, and a row of sinkers arranged to define the lengths of the loops drawn by the needles, a plurality of long, thin bars allocated respectively to said rows of



knitting elements and each carrying one row of said knitting elements parallel to said knitting centre, pivotal supporting means for each of said bars distributed along the length thereof to hold same against deflection while permitting pivotal movement about a fixed axis parallel to and close to said knitting centre and means for oscillating said bars about their respective axes, said elements being arranged to act on the warps at points near the ends of said elements which are oscillated in arcs of short radii.

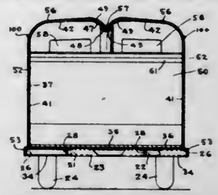
2,155,146
KNITTING MACHINERY
James Morton and Robert Stewart Erskine Hannay, Carlisle, England, assignors to F. N. F. Limited, Purley Way, Croydon, England, a British company
Application November 16, 1936, Serial No. 111,154
In Great Britain February 21, 1936
11 Claims. (Cl. 66—86)



10. In a warp knitting machine, a low inertia guide bar assembly comprising in combination, a light weight guide bar of small cross sectional area in relation to its length, a continuous row of warp guides secured along said guide bar, and supporting means for said guide bar extending adjacent thereto in sliding engagement therewith and organized to support said guide bar at a plurality of points intermediate the ends of said row of warp guides to hold said guide bar against deflection while permitting said guide bar to be rocked about an axis extending along said supporting means and to be reciprocated longitudinally relatively to said supporting means.

2,155,147
AUTOMOTIVE VEHICLE
Nels H. Nelson, Minneapolis, Minn.
Application May 20, 1935, Serial No. 22,377
6 Claims. (Cl. 296—137)

1. In an automotive vehicle, a body including a floor, side walls and a top wall for housing occupants of the vehicle, a frame carrying said floor, a supporting member for said side and top walls extending upwardly from the location of said floor and including uprights at the opposite sides of said body connected with said side walls and a base beneath said top wall and connected therewith, said side walls merging into said top wall, and a metallic strip extending longitudinally of said body at the midwidth thereof, said base

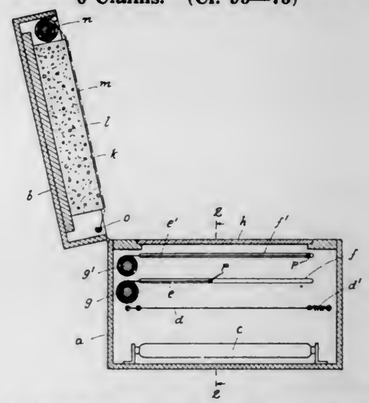


including a downwardly shaped portion at its midlength, said metallic strip being connected to and supported by said base and having a curvilinear portion thereof fitted to said downwardly shaped portion, said top wall being connected to and supported by said base, and a portion of said top wall being fitted to said curvilinear portion to provide an air passageway extending longitudinally of the vehicle at its midwidth and at its upper, outer side.

2,155,148
METHOD OF MANUFACTURING CAFFEINE-CONTAINING CHOCOLATE
Albert Rinne, Berlin-Charlottenburg, Germany
No Drawing. Application August 5, 1937, Serial No. 157,604. In Germany July 4, 1936
7 Claims. (Cl. 99—23)

1. In a process for the manufacture of kola chocolate, the steps of adding to the chocolate mass a kola nut product and a coffee product.

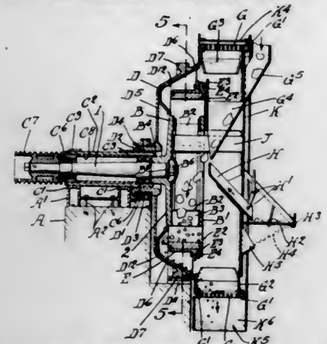
2,155,149
PHOTOGRAPHIC CONTACT PRINTING AND COPYING APPARATUS
Cuthbert Edward Foster Rutherford, London, England
Application January 13, 1937, Serial No. 120,435
In Great Britain January 24, 1936
6 Claims. (Cl. 95—73)



1. A photographic printing device comprising a box-like structure having a body and a hinged lid, a light source in the body, a support for photographic material including a light sensitive material in the body between the light source

and the lid, a pressure pad in the lid adapted to press upon photographic material on said support when the lid is closed, a flexible strip for modifying the light from said source, a self-winding roller mounted in said structure near a side thereof and above said light source, said roller being adapted to receive said flexible strip wound thereon, and cooperating means on said flexible strip and said structure for releasably holding said flexible strip in unwound position extended substantially across said structure above said light source whereby to modify the light from the light source, said strip remaining wholly within said structure in both wound and unwound positions.

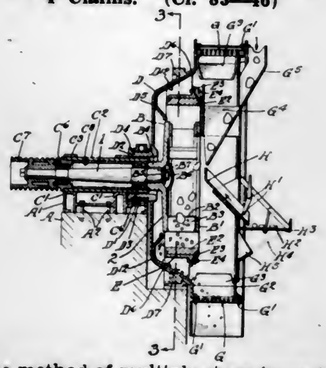
2,155,150
IMPACT CRUSHER
William H. Schacht, Painesdale, Mich.
Application January 7, 1933, Serial No. 650,597
21 Claims. (Cl. 83—46)



1. In an impact crusher, an impeller, a reflecting ring surrounding said impeller, and means for rotating said impeller and said reflecting ring concentrically about a generally horizontal axis, one or more impact members mounted upon and rotating with said impeller, means for feeding material by gravity into the space defined by the path of said impact members, and for causing it to fall freely by gravity through the inner path of the impact members, into the line of movement of the impact members, and rotary screening means for receiving the particles discharged from said impact members and reflector ring, means for re-feeding to said impact members the particles which fail to pass through the screening means, means for withdrawing particles from the feeding circuit so formed, including a rejector chute, and means for moving it into the line of feed.

14. In a two-stage impact crusher, means for imparting a primary crushing impact to freely falling particles, which includes a single rotatable impeller, a plurality of primary impact members normally fixed upon said impeller, spaced radially from the axis of the impeller, and spaced circumferentially about the impeller, and means for gravitally projecting an unconsolidated stream of particles along a defined and unobstructed path, into the path of movement of the impact members of the impeller at a velocity sufficient to carry substantially each particle of the stream fully into said path, whereby substantially each particle is positioned to be squarely impacted by the impact face of the impact members of the impeller, means for rotating said impeller at such speed and momentum as will cause adequate crushing impacts, and at the time of such impacts will present the faces of its primary impact members to squarely impact the particles which penetrate into the path of the primary impact members, and means for imparting a secondary crushing impact to the particles crushed by the primary impact, while said particles are in flight from the impeller and its impact members, including an imperforate breaker member positioned radially outwardly from the impeller at a distance from the periphery of the impeller substantially greater than the diameter of the maximum size of particles being crushed, and lying in the plane of the primary impact members, and adapted to receive the particles centrifugally delivered by the primary impact members thereagainst, said breaker member having a free edge and being adapted to permit the ready gravital removal from the face thereof of the particles impacted thereagainst.

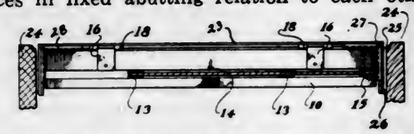
2,155,151
METHOD OF CRUSHING
William H. Schacht, Painesdale, Mich.
Application March 26, 1934, Serial No. 717,288
4 Claims. (Cl. 83—46)



1. The method of multiple stage impact crushing which includes, first, projecting by gravity, and along a generally defined path, a stream of particles to be crushed; moving transversely through said path a succession of primary impact members, at such speed and momentum as will cause adequate crushing impacts to the dropping particles of said stream; maintaining the velocity of the particles fed into the primary crushing zone formed by the intersection of the path of feed and the path of the impact members sufficiently high, in relation to the speed and spacing of the succession of impact members, to carry substantially each particle of the stream fully into the path of the impact member which impacts it, whereby such particle is positioned to be squarely impacted by the impact face of such impact member; directing the impacted particles outwardly, as the result of said impact, from the primary crushing zone; terminating the outward flight of the impacted particles by a secondary crushing impact at a secondary crushing zone removed from the primary crushing zone and thereafter gravitally withdrawing the broken particles through a zone of withdrawal remote from the primary impact zone.

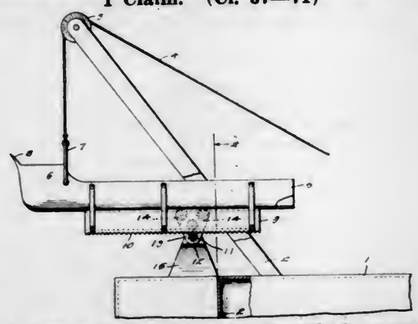
2,155,152
FACER BOARD STRUCTURE FOR VENETIAN BLINDS AND THE LIKE
William E. Shehan, Los Angeles, Calif.
Application October 26, 1937, Serial No. 171,028
8 Claims. (Cl. 156—17)

1. A facer board structure or the like comprising a front facer board, end facer boards having a mitred joint with the ends of the front facer board, and a rigid angle fitting disposed adjacent to said joint and engaging and holding the two facer board sections with their mitred faces in fixed abutting relation to each other,



said angle fittings having portions lying against the rear surfaces of said boards and having flanges engaging the opposite edges of the facer boards and between which flanges the facer boards are frictionally gripped.

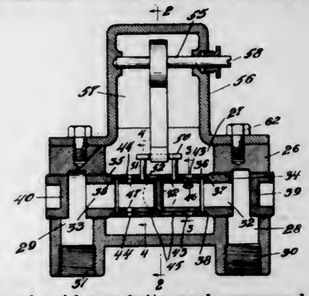
2,155,153
DIPPER SHOVEL, CHUTE, AND CROWDER ATTACHMENT FOR DREDGING PURPOSES
John D. Smith and Sheridan K. Atkinson, Boise, Idaho
Application January 24, 1938, Serial No. 186,738
1 Claim. (Cl. 37—71)



A device of the character described, comprising, a boom fashioned with spaced channel members provided with rack bars and fashioned with upper and lower tracks, a reversible operating shaft mounted in proximity to said boom, pinions fixed on said shaft and meshing with said rack bars for actuating said boom, a bearing element pivotally mounted on said shaft between said pinions and extending between said channel members, upper and lower rollers rotatably mounted on said bearing element and extending within said channel members and engaging said upper and lower tracks respectively whereby to maintain said boom pivotally connected to said shaft for operation at all times by said pinions.

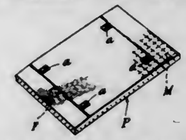
2,155,154
THERMAL FLUID MIXING VALVE
Earl R. Snavely, Riverview, R. I., assignor to Evelyn L. Snavely, Newark, N. J.
Application May 10, 1935, Serial No. 20,772
5 Claims. (Cl. 236—12)

1. In a thermal fluid mixing valve, a casing having a mixing chamber, a tube in said casing having openings at its opposite ends and an imperforate plug between its ends forming two different conduits for different temperature liquids, ports thru the side of said tube in each conduit communicating with said chamber for discharge of liquid into said chamber, tandem valve means fitting within said tube, one being arranged in each conduit thereof, said valve means being rotatably movable in unison relative to said conduits to inversely vary the flow therethru, and thermostatic means in said mixing chamber and having its free end connected to said valve means



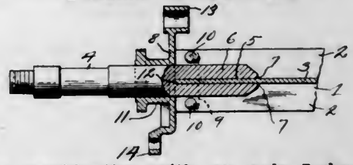
outside of said conduits and arranged for movement thereabout for moving said valve means in response to changes in fluid temperatures.

2,155,155
TIE PLATE ARRANGEMENT FOR RAILROADS
Theodore W. Stedman, New York, N. Y., assignor, by mesne and direct assignments, to Resilient Products Corporation, New York, N. Y., a corporation of New York
Application September 19, 1933, Serial No. 690,084
Renewed March 16, 1938
2 Claims. (Cl. 238—283)



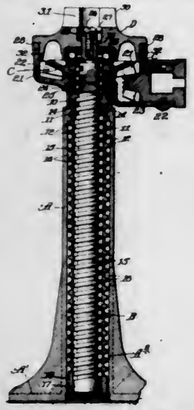
1. In a tie plate arrangement adapted to cushion the impact of a railroad rail on its supporting cross tie, a member formed from rubber-like material and having pre-formed openings through which are adapted to extend the respective elongated members securing the rail to its cross tie, the lateral dimensions of said openings being smaller than the lateral sectional area of said elongated members at their upper shank sections whereby the latter are tightly gripped by and sealed to said member.

2,155,156
TRAILER AXLE
Roy C. Townsend, La Crosse, Wis.
Application August 4, 1937, Serial No. 157,386
1 Claim. (Cl. 301—132)



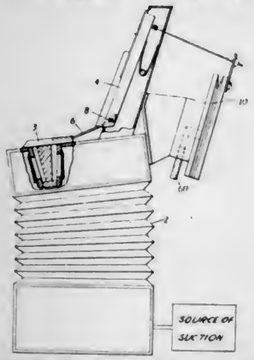
The combination with an axle I-shaped in cross section, a bifurcated spindle in which the web of the axle is disposed, of means for bracing said spindle, said means comprising a plate engaging the entire end of the axle, an extension sleeve formed integral with said plate and extending outwardly around the spindle and flanges carried by opposite sides of said sleeve and extending inwardly and secured to the flanges of the I-shaped axle on opposite sides of the web thereof.

2,155,157
BUMPER TYPE AUTO JACK
William C. Tyler, Joliet, Ill., assignor to William E. Pratt Mfg. Co., Joliet, Ill., a corporation of Illinois
Application February 3, 1936, Serial No. 62,196
5 Claims. (Cl. 254—100)



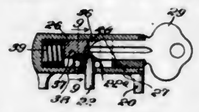
1. A jack comprising a hollow casing, screw means engaging with the interior of said casing, a housing, drive gears in said housing for actuating said screw means, said housing being mounted on one side of said drive gears, and a head rotatably supported on said screw means, said head being in releasable engagement with said housing to prevent rotation with respect thereto when a weight is supported on said head, said head and housing being inseparable vertically through operation of said screw means.

2,155,158
AUTOMATICALLY OPERABLE ORGAN
Joseph Verbeeck, London, England
Application March 3, 1938, Serial No. 193,776
In Great Britain September 21, 1936
1 Claim. (Cl. 84—83)



An automatically operable accordion comprising two end members anchored in position and interconnected by a bellows having its interior connected with a source of suction, one of said end members being provided with a series of sound controlling valve elements normally held on their seatings by the suction produced, keys connected with said valve elements for opening the latter to admit air to the interior of the bellows, each key being fitted with a pressure actuated bellows for effecting the displacement thereof, a wind passage connected to one of said key operating bellows and communicating through a first port with the atmosphere, a wind tunnel communicating through a second port with said wind passage, a valve mechanism adapted to close the first port and open the second port when in one position and to close the first port and open the second port when in another position, a diaphragm for operating said valve mechanism, a duct communicating with said diaphragm, a third port in said duct communicating with the atmosphere, a fourth port in said duct, a wind box, a conduit placing said wind box in communication with said duct through said fourth port, a second valve mechanism adapted when in one position to open the third port and close the fourth port and when in its other position to open the fourth port and close the third port, a diaphragm for operating said second valve mechanism, a duct communicating with said last-mentioned diaphragm and provided with two ports, one communicating with the wind box and the other communicating with the atmosphere, an electromagnetic valve for closing one of said last-recited two ports and opening the other, and electric means controlled by a moving perforated member for energizing said electromagnetic valve.

2,155,159
LOCK BUCKLE
John H. Woodside, Pomona, Calif.
Application November 22, 1937, Serial No. 175,975
1 Claim. (Cl. 70—57)

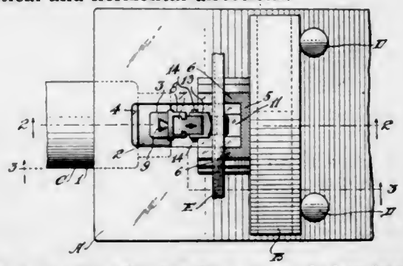


A device of the character described, comprising, a frame equipped with a casing and a pivotable tongue, said casing having open and closed ends and formed with a tongue receiving slot between said ends, an outer cylinder rotatably mounted in said open end of said casing, an inner cylinder mounted in said casing, a spring in said casing between said closed end of the latter and said inner cylinder for normally urging the latter towards said outer cylinder, said outer cylinder having a pair of inwardly extending pins slidable within said inner cylinder whereby to effect rotation of said cylinders in unison, said inner cylinder formed with a longitudinally extending tongue receiving channel and a transversely extending groove communicating with said channel and said tongue receiving slot, a pin carried by said casing and extending in said channel for locking said inner cylinder against rotation to maintain said tongue locked in said channel, said inner cylinder operable away from said outer cylinder for positioning said last mentioned pin in registry with said groove whereby said tongue is moved to a released position for disengagement from within said slot upon rotation of said cylinders.

2,155,160
METAL BENDING MACHINE
Samuel J. Bruno, Jersey City, N. J.
Application October 22, 1937, Serial No. 170,326
7 Claims. (Cl. 153—48)

1. A bending machine comprising a power operated reciprocable member, a pair of cooperating dies to receive a bar to be bent between them,

one die having a pair of spaced vertical abutments and a pair of spaced horizontal abutments and the other die being mounted on said member for horizontal movement therewith and vertical movement relatively thereto, the second-mentioned die to engage said bar between the abutments of each pair of abutments, and means for causing vertical movement of said second-mentioned die simultaneously with horizontal movement thereof to bend said bar simultaneously in vertical and horizontal directions.



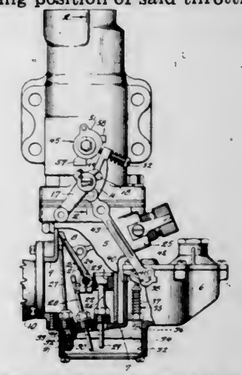
5. A machine for bending an angle bar having a vertical flange and a horizontal flange, said machine comprising a pair of spaced vertical abutments and a pair of spaced horizontal abutments, a bending die movable in both horizontal and vertical directions to receive between itself and said abutments an angle bar to be bent and adapted to engage said bar between said abutments of each pair, said bending die having a vertically disposed face and a horizontally disposed face each to engage one flange of said angle bar, means for impressing a horizontally directed force on said bending die and means cooperating with said die while the die is under influence of said horizontally directed force for impressing a vertically directed force on said die, whereby to move said die and bend the bar simultaneously in vertical and horizontal directions.

2,155,161
PROCESS OF CARROTING FUR AND THE LIKE AND COMPOSITION THEREFOR
Constantine F. Fabian, Brookfield, Conn., and Alexander N. Sachanen, Woodbury, N. J., assignors to The Non-Mercuric Carrot Company, Danbury, Conn., a corporation of Connecticut
No Drawing. Application June 8, 1937, Serial No. 147,038
10 Claims. (Cl. 8—112)

1. The process of carroting fur and the like for felting, which consists in treating the same with a carroting solution containing mercuric nitrate and nitric acid, causing the penetration and controlling the carroting action of such solution by the presence in the solution with the mercuric nitrate and nitric acid of a water-soluble, organic, oxygen-containing inhibitor present in amount to prevent harmful action, said inhibitor comprising one or more compounds of aliphatic structure incapable of forming insoluble compounds in the solution.

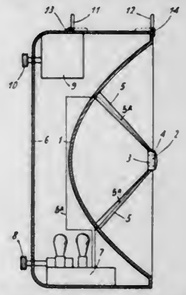
2,155,162
CARBURETOR
David Firth, Flint, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Original application May 9, 1934, Serial No. 724,795. Divided and this application May 29, 1935, Serial No. 23,969
2 Claims. (Cl. 123—119)

1. In a carburetor having a riser heated by the exhaust of the engine with which the carburetor is associated, a throttle valve controlling the flow of combustible mixture from the carburetor to the engine, an idling control arm limiting the closing movement of said throttle, a cam member rotatably mounted on the riser and providing a variable abutment for said arm determining the idling position of said throttle valve, a



spirally coiled bimetallic strip engaging said cam member and operating in accordance with the temperature of the engine to rotate said cam to various positions increasing the idling speed of the engine when the same is cold, a pair of abutments on the riser, and means on the cam engaging said abutments to limit rotation of the cam.

2,155,163
REFLECTOR MICROPHONE
Erwin Gerlach, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 15, 1936, Serial No. 64,053
In Germany March 4, 1935
6 Claims. (Cl. 179—1)



1. A reflector microphone comprising a casing, a reflector mounted within said casing, a microphone mounted in the focus of said reflector by a plurality of supporting braces, said braces having leads contained therein for connecting said microphone with an electrical circuit.

2,155,164
PERISCOPE
Anthony B. Harris, Bronxville, N. Y., assignor to Joseph E. Seagram & Sons, Inc., Lawrenceburg, Ind., a corporation of Indiana
Application September 2, 1937, Serial No. 162,102
1 Claim. (Cl. 88—68)

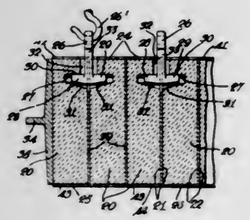
An article of manufacture comprising a collapsible frame member having front, rear and

side walls, adapted to be extended to form a periscope frame or to be collapsed in flat compact form for packing, a mirror supporting flap forming an extension on the end of one wall and foldable into the plane of said wall for packing or across the axis of said frame member for use as a periscope, a foldable wing on said flap having a shoulder adapted to engage the outer edge of said frame member for holding said flap in operative position so as to provide a sight open-



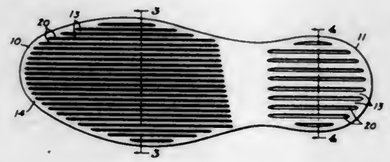
ing in the front thereof, a second mirror supporting flap forming an extension on the end of another wall at the other end of said frame member foldable into the plane of said other wall when collapsed or across the axis of said frame member when in position for use as a periscope, a lip formed along one edge of said second flap for engaging said frame member when in operative position, and means cooperating with said lip to frictionally hold said flap in operative position.

2,155,165
FURNACE ROOF
Russell Pearce Heuer, Bryn Mawr, Pa.
Application May 28, 1937, Serial No. 145,357
5 Claims. (Cl. 110—99)



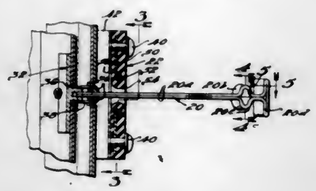
1. In a refractory roof, a plurality of suspended refractory bricks positioned side by side, supported by hanging from above, having lateral faces which are adjacent and generally parallel and comprising chiefly chrome ore with magnesia as the chief minor constituent, and spacers between lateral faces of the bricks, each spacer contacting the refractory material of the generally parallel faces of adjacent bricks, the spacers comprising iron part at least of which is oxidized and iron oxide of the spacers being combined with the magnesia of the bricks on both sides of individual spacers.

2,155,166
TREAD SURFACE FOR FOOTWEAR
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 1, 1936, Serial No. 72,020
5 Claims. (Cl. 36—59)



1. A shoe tread portion comprising an elongated, laterally stable, binding strip that is continuous along the periphery of said shoe tread portion, and a group of parallel, longitudinally extending, flexible finlike ribs disposed within said peripherally extending binding strip, each of said flexible ribs being separated from each other by grooves and having flat, substantially parallel sides and being of materially greater depth than width and being laterally unstable and being disposed sufficiently close to each other to provide mutual support under compression and thrust.

2,155,167
DOOR CHECK
Emil B. G. Lefevre, Detroit, Mich., assignor to National Stamping Company, Detroit, Mich., a corporation of Michigan
Application September 15, 1937, Serial No. 164,019
17 Claims. (Cl. 16—86)

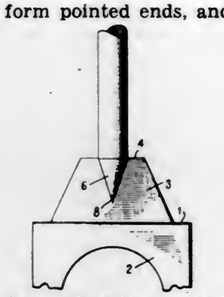


1. In a device of the class described for connection between a door member and a post member or the like, means connected to one of said members and having a projection thereon, and a cushioning member connected to the other of said members and having a resilient deflectable element disposed in the path of said projction, said element being deflectable by said projection in the direction of movement of said enlargement.

2,155,168
PROCESS OF FORMING PIN TICKET STAPLES
Alonzo K. Marsh, Summit, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application July 9, 1937, Serial No. 152,709
3 Claims. (Cl. 163—6)

1. Process of forming a pin ticket staple which comprises cutting off a length of wire at substantially right angles so as to form square cut ends, shaving off the edges of said ends with a rapidly rotating tool having a cutting edge

adapted to form pointed ends, and coating said



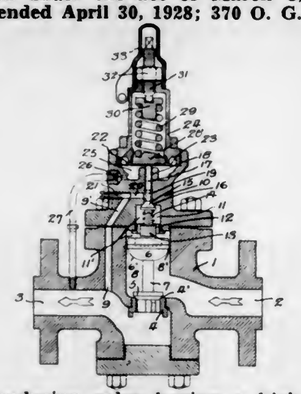
ends with a layer of coating material of substantially uniform thickness.

2,155,169
ADJUSTABLE DRAWING CURVE
Wade Moses, Cleveland, Ohio; Madeline B. Moses, owner by decree of court
Application April 1, 1937, Serial No. 134,353
6 Claims. (Cl. 33—177)



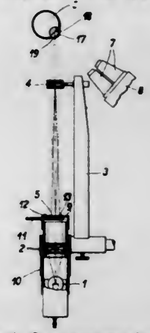
6. An adjustable curve drawing instrument comprising an elongated rubber body, a soft metallic core within said body, a comparatively hard metal strip on each side of said core for confining the bending of said body to a given plane, a coating containing a metallic powder on the outer surface of said body and a bendable ruling edge extending longitudinally of said body.

2,155,170
REDUCING VALVE
Charles J. Odend'hal, Washington, D. C.
Application December 28, 1937, Serial No. 182,150
2 Claims. (Cl. 50—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A reducing valve having a high pressure inlet and a low pressure outlet, a valve controlling the direct passage of fluid between said openings, a cylinder, a piston in said cylinder connected with said valve, the piston being of smaller diameter than the cylinder whereby an orifice is formed between the piston and the cylinder, a chamber communicating with the space above the piston, a pressure chamber, a pilot valve seated in the first-mentioned chamber and having a stem extending into the pressure chamber, means for holding the pilot valve normally closed, a fluid space adjacent the pilot valve stem out of direct communication with the pressure chamber, a controllable passage between said fluid passage and the lower pressure side of the valve, manually operable means for controlling the controllable passage, a conduit establishing constant communication between the pressure chamber and the lower pressure side of the valve, and yielding means adjustable to a predetermined pressure and operating on the pilot valve to open and to permit the closing of said valve accordingly as the pressure in the pressure chamber varies.

2,155,171
INSTRUMENT FOR THE EXAMINATION OF EYES
Henning Rönne, Copenhagen, Denmark, assignor to the firm Carl Zeiss, Jena, Germany
Application May 21, 1936, Serial No. 81,031
In Germany May 25, 1935
1 Claim. (Cl. 88—20)

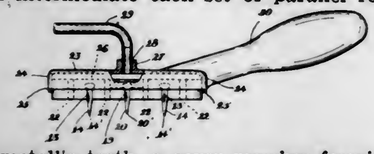


An instrument for measuring the albumen in the aquous humour of the anterior chamber of an eye to be examined, comprising a light source, a slit diaphragm receiving the rays emanating from said light source, an optical system imaging said slit on the front surface of the lens of the eye under examination, a disc having radially disposed openings rotatably mounted on a pin lying outside the ray path, said disc being close to said slit diaphragm and adapted to be rotated so as to align the respective openings with the slit diaphragm, the axis of said pin being parallel to the axis of said optical system, the axis of rotation of said disc being substantially equidistant from the center of said openings and the axis of said optical system, a plurality of light absorbing plates of different densities, one plate being mounted in each of said openings, each of said plates being of smaller area than the respective openings in the disc thereby providing an unobstructed path for a portion of the rays, and means for indicating the light-absorbing capacity of said plates.

2,155,172
FUR TREATING DEVICE
Herman Sklar, Brooklyn, N. Y., assignor to Joseph I. Blanck, Brooklyn, N. Y.
Application December 22, 1936, Serial No. 117,112
5 Claims. (Cl. 149—13)

1. A fur treating device comprising a body member having parallel rows of stiff, spaced,

combing non-metallic and electrostatic charge-producing teeth projecting from the undersurface thereof, a parallel row of shorter metallic teeth intermediate each set of parallel rows of



non-metallic teeth, a cover member forming an air chamber with the said body member, the body member having perforations therethrough communicating with the said air chamber.

2,155,173

SYSTEM OF AND APPARATUS FOR HANDLING BARRELS AND DISCHARGING THE CONTENTS THEREOF

Wyndham E. Sparling and William K. Stokes, Cincinnati, Ohio, assignors to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio, a corporation of Ohio

Application December 20, 1935, Serial No. 55,490
6 Claims. (Cl. 221—69)



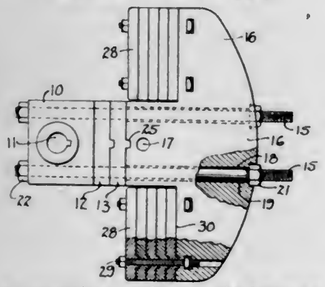
1. In combination, an open trough or the like, an endless traveling barrel conveyor in operative relationship therewith, said barrel conveyor comprising two disconnected chains passing along adjacent the sides of the trough, means for moving the chains along their paths at concurrent speeds and means on one of the chains complementary to similar means on the other chain to support a barrel in transit.

2,155,174

COUNTERBALANCE CRANK

Walter C. Trout, Lufkin, Tex., assignor to Lufkin Foundry & Machine Company, Lufkin, Tex., a corporation

Original application July 12, 1934, Serial No. 734,753. Divided and this application January 29, 1937, Serial No. 123,017
7 Claims. (Cl. 74—591)



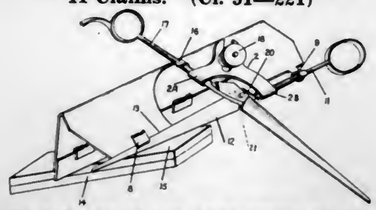
7. In a pumping unit counterbalance crank arm, the combination of a portion to receive a crank shaft, a counterweight adapted to be attached to said portion and having a wrist pin opening therein, and means for connecting the counterweight to the portion at predetermined distances from the center of rotation so that the stroke length and counterbalancing effect may be varied.

2,155,175

HONING DEVICE FOR SHEARS

Vernon J. Veron, Portland, Oreg.

Application October 18, 1937, Serial No. 169,574
11 Claims. (Cl. 51—221)



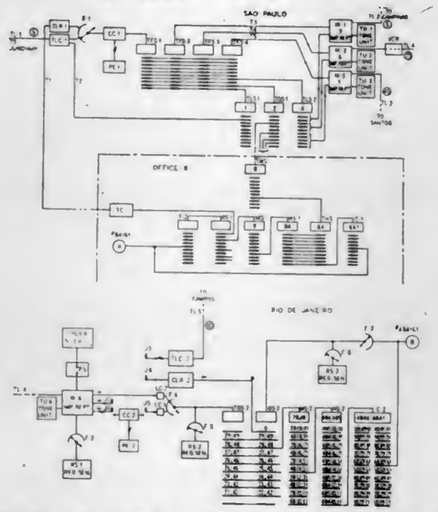
10. In a device of the class described, the combination of a body element made of a single piece the top surface of which is inclined upwardly from its front edge, the front edge of which forms an abutment against which the back of the shear blade rests, an adjustable rear wall which depends from the rear edge of the body element, a stop formed from the body element against which the inside of the shear blade being sharpened rests, a stop formed from the body element with spring tension jaws and fashioned to receive and fix the handle of the shear blade being sharpened, a stop formed from the body element with a spring tension jaw and fashioned to receive and fix the handle of the shear blade not being sharpened.

2,155,176

TELEPHONE SYSTEM

John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application November 7, 1936, Serial No. 109,671
23 Claims. (Cl. 179—27)



1. In a telephone system wherein toll calls originating in a first exchange are completed over toll lines through automatic switches in a second exchange controlled from the first exchange, means associated with a toll line over which said calls may be completed for transmitting current of an audible frequency, means for controlling the transmission of said current in accordance with digit values to transmit the desired number over the toll line, other means associated with said toll line for transmitting

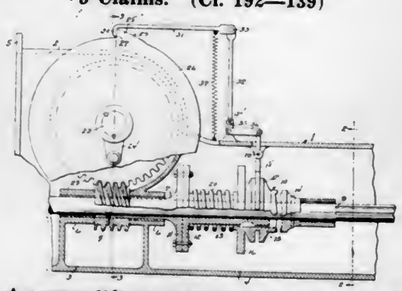
current of said frequency modulated by alternating current of a specific lower frequency, means in said distant exchange for demodulating said last-named current, and means controlled by the modulating component of said transmitted modulated current for performing one or more of the following functions: preparing the switching apparatus for operation in the distant exchange when the toll line is taken for use; giving distinctive supervision in the originating exchange when the called line is reached; causing signalling of the called line to take place; giving distinctive supervision in the originating exchange when the called subscriber replies and again when he replaces his receiver; and causing the established connection in the second exchange to be cleared out when the connection is cleared out in the first exchange.

2,155,177

POWER LIFT

Moffitt H. Woodruff, Lubbock, and Everett W. Todd, Dallas, Tex.

Application September 18, 1935, Serial No. 41,180
Renewed September 7, 1937
5 Claims. (Cl. 192—139)



1. A power lift comprising a housing, a sleeve journalled in the housing, a driving shaft rotatably disposed within and extending through said sleeve and adapted to be connected to a source of power supply, a clutch element within the housing fixed to said driving shaft, a second clutch element splined onto said sleeve, a spring constantly urging said second clutch element into clutching position, a clutch releasing fork pivotally carried by the housing and engageable with said second clutch element, an arm carried by said fork extending outwardly of the housing, a worm fixed to said sleeve within said housing, a worm gear meshing with said worm, a worm gear shaft extending laterally of the housing, a crank fixed to said worm gear shaft exteriorly of the housing, a notched disk fixed to said worm gear shaft between said crank and the housing, and a spring-pressed releasing member pivotally secured at one end to said arm and engaging said disk whereby to swing said fork to released position when the opposite end of said releasing member engages a notch of said disk.

2,155,178

TREATMENT OF HAIR

James C. Brown, Mount Vernon, N. Y., assignor to Ernest Frederics, Bronxville, N. Y.

No Drawing. Application December 12, 1936, Serial No. 115,539
9 Claims. (Cl. 132—36)

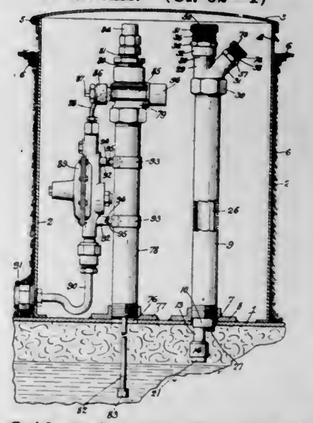
1. A process of imparting a permanent configuration to hair comprising treating the hair with a sulfur removing waving agent at a temperature below about 120° F. for a sufficient time to permanently set the hair, and then treating the hair with an oxidizing agent.

2,155,179

BURIED GAS SYSTEM

William C. Buttner, Winnetka, and Ralph E. Evarts, Chicago, Ill., assignors to The Bastian-Blessing Co., Chicago, Ill., a corporation of Illinois

Application March 11, 1938, Serial No. 195,274
17 Claims. (Cl. 62—1)



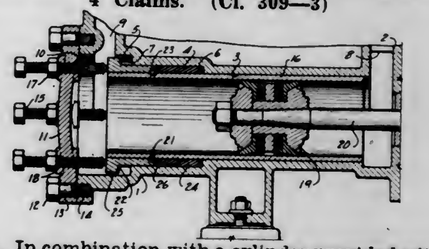
1. In a fluid storing and dispensing system, a fluid container having two openings therein, a complete unitary filling assembly positioned in one of said openings, a complete unitary dispensing assembly positioned in the other, the filling assembly including a single hollow housing, defining a filling passage, a separate vapor passage member, enclosed within said housing, a filling connection member and a vapor connection member positioned in said filling housing, the filling connection communicating with the interior of said housing, the vapor connection communicating with the interior of said vapor passage member.

2,155,180

PUMP LINER

Walter T. Caldwell, Enid, Okla., assignor to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma

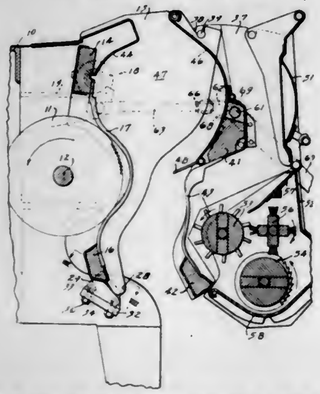
Application December 13, 1937, Serial No. 179,461
4 Claims. (Cl. 309—3)



1. In combination with a cylinder provided with a bore having a packing retaining recess, a liner for the bore having a substantially uniform over all diameter throughout the length thereof, and provided with an annular groove spaced from the end of the liner registering with said recess, a ring engaged in said groove and of larger outer diameter than the liner to form a packing engaging shoulder and a retainer engaging shoulder, a packing sleeve over the liner and retained in said recess by abutting engagement of said packing engaging shoulder, a retaining member sleeved over the liner and engaging the other of said shoulders, and means for urging the retain-

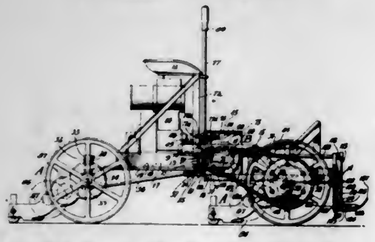
ing member into engagement with said ring to retain the liner in said bore and effect seal of the packing.

2,155,181
HULLER COTTON GIN
Frank E. Deems, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application September 29, 1937, Serial No. 166,262
15 Claims. (Cl. 19—55)



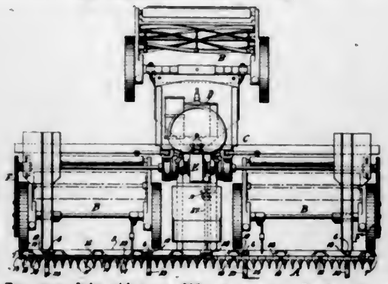
7. In a cotton gin, a gin stand, a saw cylinder mounted in the gin stand, separable breast elements mounted on the front of the gin stand and forming between them a roll chamber, ginning and huller ribs mounted respectively in the breast elements, means to shift the breast elements out of ginning relation with the saw cylinder, and means included in said shifting means to separate the breast elements and dump the roll box.

2,155,182
GANG LAWN MOWER
Frank Dursch, Philadelphia, Pa.
Application January 27, 1937, Serial No. 122,535
8 Claims. (Cl. 56—7)



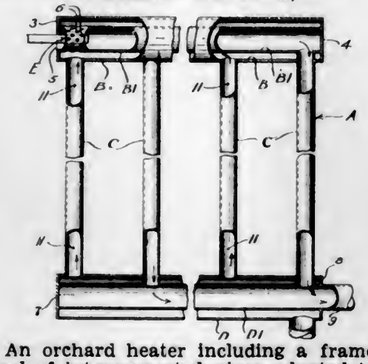
1. A chassis for use with a plurality of conventional wheel supported rotary reel type mower units, the cutter reels of said units being adapted to be rotated by the wheels, said chassis being supported solely by said mower units and comprising framework, a prime mover supported by the framework, and transmission and clutch means for drivingly connecting and disconnecting said prime mover with the outer wheels of a pair of said mower units which are arranged in spaced transversely aligned relation whereby drive may be transmitted to both of said outer wheels for straight forward propulsion and to either one of said outer wheels for turning movement.

2,155,183
RECIPROCATING MOWER OR CUTTING MECHANISM
Frank Dursch, Philadelphia, Pa.
Application February 24, 1937, Serial No. 127,344
10 Claims. (Cl. 56—6)



1. In combination with a gang lawn mower having a plurality of rotary cutter units, a frame to which said units are flexibly connected to permit movement thereof to accommodate undulating ground surface, a flexible reciprocating cutting mechanism supported from said frame forwardly and transversely of said cutter units and extending continuous for the full width of the gang mower, and ground contacting means carried by said cutting mechanism at spaced points along its length for causing it to be flexed to conform to the undulating ground surface.

2,155,184
ORCHARD HEATER
Motoi Fujiura, San Francisco, Calif.
Application November 26, 1937, Serial No. 176,511
6 Claims. (Cl. 47—2)

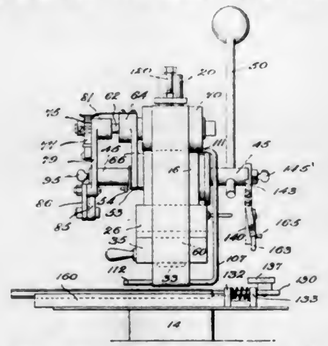


1. An orchard heater including a framework formed of interconnected pipes adapted to circulate a heated gaseous fluid and to radiate heat when laid upon the ground, certain of said pipes being disposed in spaced parallel relation and connected at their ends with other pipes which extend at right angles thereto, means for providing a heated gaseous fuel and introducing the same into one of the pipes, and a motor operated blower for circulating said fluid through said pipes.

2,155,185
IMPRINTING OR EMBELLISHING APPARATUS
Jay C. Gangel, Oceanside, N. Y., assignor to Merill-Neil Co., Inc., New York, N. Y., a corporation of New York
Application October 18, 1937, Serial No. 169,557
4 Claims. (Cl. 101—9)

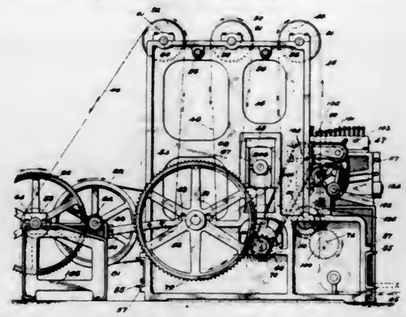
4. Apparatus of the character described ac-

cording to claim 1, further comprising a knock-out means, said latter means comprising a rock-arm on said oscillatory shaft, a pusher, a lever for moving said pusher, a cam on said lever coacting with said last named rock-arm, on the



rising movement of the plunger, to retract and release said lever to actuate said pusher to eject an article, said last-named rock-arm having a pivoted toe-piece arranged to yield and pass idly over said cam on the downward stroke of said plunger.

2,155,186
MACHINERY FOR MAKING WIRE FENCING
John B. Getz and John H. Leader, Morton, Ill., assignors, by direct and mesne assignments, to said John B. Getz and Benjamin E. Getz, Morton, Ill.
Application August 3, 1938, Serial No. 222,849
66 Claims. (Cl. 140—13)



1. Wire feeding means for a fence forming machine comprising a pair of cooperating rollers, means for rotating one of said rollers, means for creating yieldable peripheral pressure between said rollers, one of said rollers having a peripheral groove for the accommodation of a wire introduced between the rollers, said groove having a portion coacting with the opposite roller to frictionally engage and feed the wire, and having a continuing portion freeing the wire from said frictional engagement to stop the feed of the wire during part of the rotation of the rollers.

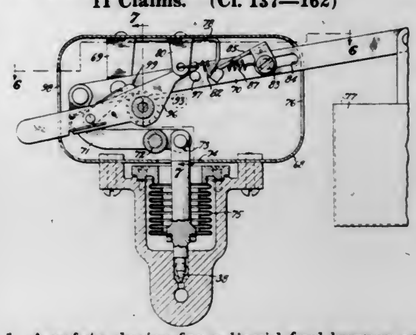
2,155,187
FILE WRAPPER OR FOLDER
Marcy Green, New York, N. Y.
Application June 24, 1937, Serial No. 150,028
2 Claims. (Cl. 129—19)

2. A folder or file wrapper having a body portion formed with an integral tab forced out of the body portion to thereby form an opening therein, said tab being inwardly folded upon the inner face of the body portion, a pronged fastening member extending through said tab and through file contents and having portions disposed between the back of the tab and the inner



face of the file wrapper, said tab being so positioned on the body portion that documents attached to the exposed face of the tab and extending across the top of the opening will be wholly contained within the folder and will overlie and cover the opening formed in the body portion by the formation of the tab.

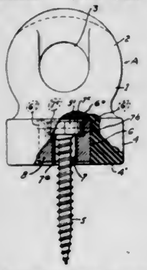
2,155,188
SAFETY DEVICE FOR LIQUID FUEL BURNERS
William R. Hainsworth, Larchmont, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application July 7, 1934, Serial No. 734,075, now Patent No. 2,111,774, dated March 22, 1938. Divided and this application May 12, 1936, Serial No. 79,233
11 Claims. (Cl. 137—162)



1. A safety device for a liquid fuel burner comprising a valve housing adapted to be connected in a liquid fuel supply line to the burner, a valve in said housing for controlling the flow of liquid fuel therethrough, a valve operating member extending through said housing, a flexible seal between said housing and valve operating member, a casing adjacent said valve housing, a first lever pivoted within said casing for vertical oscillation, a snap-action toggle in said casing for imparting snap-action to the vertical oscillation of said first lever, said first lever being connected to said valve operating member to open and close said valve when the lever is moved to its upper and lower positions respectively, a stationary member extending from said casing, a rotatable member journaled in said stationary member, a ratchet wheel in said casing rotatable only with said rotatable member, fusible material forming a bond between said stationary and rotatable members at normal temperatures, a second lever pivoted in

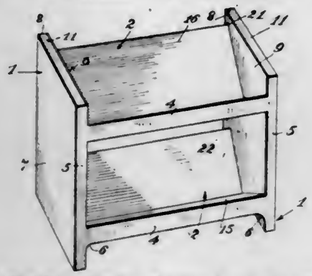
said casing for vertical oscillation and having one end projecting through a slot in said casing and the other end associated with said first lever to cause only downward movement of the latter and, therefore, closing of said valve, a spring urging said second lever to its valve closing position and sufficiently strong to shift said toggle, and a pawl on said second lever engaging said ratchet to prevent operation of said second lever except upon release of said rotatable member and ratchet when said bond is broken by melting of said fusible material.

2,155,189
ELECTRICAL WIRE BRACKET
Walter A. Heinrich, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application November 18, 1935, Serial No. 50,262
7 Claims. (Cl. 248—71)



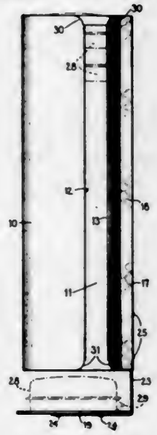
6. A bracket of the class described, comprising a body portion provided with a cavity, an attaching element for securing the bracket to a support, said attaching element including a shank portion provided with a non-circular head at one end, and means for loosely connecting said attaching element to said body portion, said means including a sleeve having a non-circular part within which the head of said attaching element is loosely disposed and a part through which the shank portion of the attaching element is loosely extended, and means comprising a body of material arranged within said cavity for securing said sleeve within said cavity, said body of material and said cavity being of such shape as to key the body of material in place and prevent accidental displacement of the body of material from the cavity.

2,155,190
DISPLAY DEVICE
Richard Heinz, Queens Village, N. Y., assignor to Carl Percy, Inc., New York, N. Y., a corporation of New York
Application April 8, 1937, Serial No. 135,633
4 Claims. (Cl. 211—135)



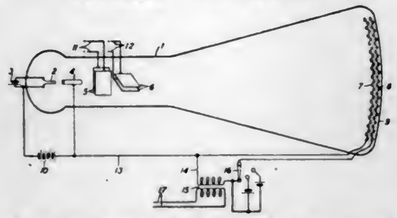
1. A display device formed of sheet material comprising an intermediate portion and foldable portions integral therewith at the respective sides thereof adapted to provide a pair of tubular columns spaced by said intermediate portion, the upper part of said intermediate portion being folded downwardly and upwardly to form a trough-like shelf intermediate said columns, the free end of said upper part being secured to the inner sides of said columns.

2,155,191
DISPENSING DEVICE
Walter I. Hylton, New York, and Joseph Josinsky, Bayside, N. Y., assignors to Hecker Products Corporation, New York, N. Y., a corporation of New Jersey
Application March 27, 1937, Serial No. 133,318
5 Claims. (Cl. 312—42)



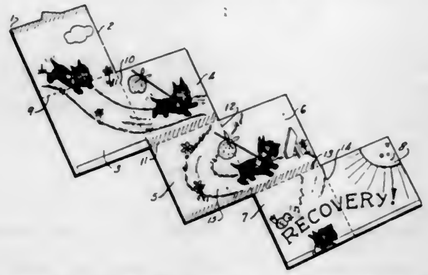
1. A device of the class described comprising a sheet metal member formed to provide a substantially but not completely closed cylindrical wall, said member being formed also to provide an outwardly extending channel-like extension at one side of said wall throughout the length thereof, and a shelf disposed below the lower end of said wall and spaced a substantial distance therefrom, said shelf being supported by a relatively narrow bracket secured to an outer wall of said extension.

2,155,192
SIGNALING
John B. Johnson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1930, Serial No. 466,067
29 Claims. (Cl. 178—7.5)



1. A cathode ray signaling device comprising a vessel, means comprising a cathode and an anode for producing a beam of electrons in said vessel, a screen activated by said beam, a conductive open-work element between said screen and said anode maintained at substantially the potential of said anode, a second conductive element on the opposite side of said open-work element from said anode, and circuit means for impressing a varying signaling potential between said first and second conductive elements to control the activation of said screen.

2,155,193
GREETING CARD
Margaret Louise Johntz, Kansas City, Mo., assignor to Hall Brothers, Inc., Kansas City, Mo., a corporation of Missouri
Application May 7, 1938, Serial No. 206,629
7 Claims. (Cl. 46—35)



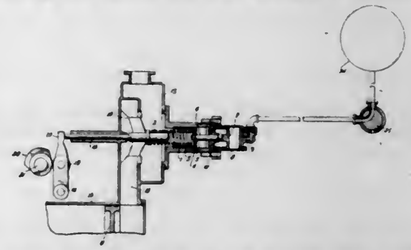
1. A greeting card including a foldable sheet member having a plurality of similarly shaped portions arranged in zigzag order and separated by fold lines on which said portions fold one upon another, and characters on the respective faces of said portions and rendered progressively visible when the card is unfolded.

2,155,194
PREPARATION OF ALPHA-ALKYLAMINO-ACYLOPHENONES
Jonas Kamlet, Brooklyn, N. Y.
No Drawing. Application October 27, 1938, Serial No. 237,280
4 Claims. (Cl. 260—577)

1. A process for the preparation of alpha-alkylaminoacylophenones which comprises reacting a compound of the general formula $C_6H_5.CO.CH_2R$ with a compound of the general formula $R'.NH.X$, wherein R is a member of a group consisting of hydrogen and alkyl groups, R' represents an alkyl group and X represents a halogen, in the presence of a member of the group of alkaline-reacting substances consisting of the hydroxides and carbonates of ammonia and the alkali metals, the oxides and hydroxides of the alkali earth metals, the quaternary tetra-alkylammonium hydroxides and the alkylamines.

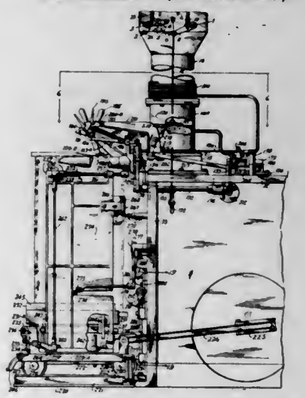
2,155,195
ADJUSTABLE THRUST BEARING FOR VALVE SPRINGS
Julius Kirchhof, Paris, France, assignor to firm Societe d'Exploitation des Procedes Dabeg, Paris, France
Application October 27, 1936, Serial No. 107,813
In France October 28, 1935
2 Claims. (Cl. 137—111)

1. In actuating and controlling mechanism for a steam engine distribution valve having a controllable cut-off cam operating means, a member receiving the cam thrust during operation thereof, a valve closing spring associated with said member, a reaction abutment for said spring mounted for movement in the direction of reaction of the spring, and means normally retaining the abutment in a position to maintain



the valve closing force of the spring, said means being releasable to relieve the pressure of the spring on the valve.

2,155,196
BAG FILLING MACHINE
Albert Krasa, Chicago, Ill.
Application August 9, 1932, Serial No. 628,058
54 Claims. (Cl. 226—48)



14. The combination of means for filling a valve bag with material discharging through an orifice, a spout carrier included in said means and provided with two filling spouts suitably spaced apart, each of which alternately register with said orifice when the carrier is operated to direct the material into the bag, means controlled by the material before it is deposited in the bag for operating the carrier when the bag is filled.

19. The combination of a feed pipe, an ejector having an exterior casing provided with a discharge orifice and an intake opening registering connectedly with the outlet of said pipe for discharging filling material gravitating from the pipe through the orifice; a spout carrier having two filling spouts suitably spaced apart, one of which is normally in register with said orifice to direct said material into a receptacle, means for operating the carrier to alternate the spouts into register with said orifice, a normally open valve for closing said orifice during the interval of alternating the spouts, means for operating the valve, means for preventing the opening of said valve when the inactive filling spout is shifted into register with the orifice, and means for controlling the latter means.

35. A bag filling machine comprising a vertically disposed feed pipe, an ejector adapted to receive the material as it gravitates through said pipe and to discharge it through a bag filling

spout, a carriage having a bag support for supporting the bag in the interval of filling and for transporting it when filled to a predetermined bag discharging place, means adapted to be automatically actuated when the ejector has discharged a predetermined amount of material for moving the carriage to said place, and means for tilting the bag support to discharge the filled bag.

51. The combination of a vertically disposed feed pipe in which a charge of filling material is deposited and allowed to gravitate through it, means having an exterior casing for discharging material from said pipe into a receptacle, said casing being provided with a discharge orifice and an intake opening which is registrably connected with the outlet opening of said feed pipe; a movably supported controller having a normal position which is moved and kept away from said position by the pressure of material of a charge dropped in said feed pipe and which is adapted to return to its normal position when said pressure is reduced by discharging a predetermined amount of material from the feed pipe; a normally open valve for closing said orifice, intermittent operating means that is adapted to be set into actuation by the return movement of said controller to normal position, for closing said valve.

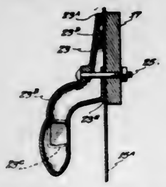
2,155,197

CASKET HARDWARE

Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois

Original application December 12, 1936, Serial No. 115,553. Divided and this application August 14, 1937, Serial No. 159,168

1 Claim. (Cl. 16—111)



A unitary casket handle comprising a plate portion having a front face and constituting a comparatively shell-like body with a rearwardly extending plane-aligned narrow marginal edge adapted to engage the side wall of the casket, a pair of spaced extensions formed integrally with said plate and disposed to extend forwardly and downwardly of said front face, said extensions being hollow and having rear portions extended rearwardly into plane-alignment with said plate portion marginal edge, means for securing said plate portion to the casket wall, a handle bar integrally connecting said extensions, said handle bar connecting the downwardly extending portions of said extensions below the forwardly extending portions thereof, and a bolt extending through each of said hollow extension portions into securing engagement with the casket wall.

2,155,198

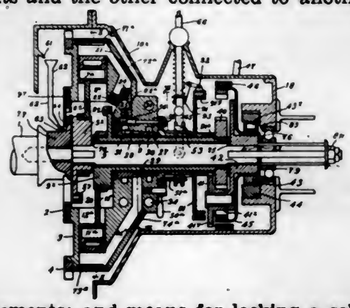
VARIABLE SPEED GEARING MECHANISM

William E. Lawrence, Cleveland Heights, Ohio

Application May 5, 1934, Serial No. 724,077

33 Claims. (Cl. 74—293)

2. In variable gearing mechanism, shafts to be connected, said shafts including a drive shaft, a driven shaft; epicyclic gearing between said shafts, including selectively lockable gear elements; two pumps, one connected to one of said elements and the other connected to another of



said elements; and means for locking a selected part of said epicyclic elements for under-drive and over-drive of said driven shaft relative to said drive shaft.

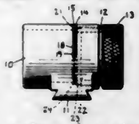
2,155,199

GUN SIGHT

Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware

Application April 9, 1937, Serial No. 135,872

4 Claims. (Cl. 33—47)



4. A reticule for a firearms sight comprising a ring having front and rear faces, and a sight surface supported from said ring, there being an annular groove in one face of said ring adapted for engagement by a reticule retaining member.

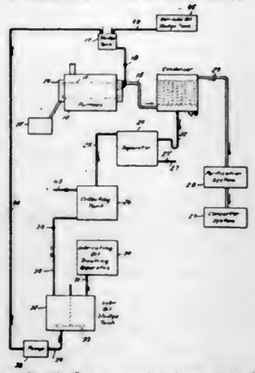
2,155,200

PRODUCTION OF SULPHUR DIOXIDE

Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application January 19, 1934, Serial No. 707,295

7 Claims. (Cl. 23—177)



1. The method for producing sulphur dioxide from normally non-free flowing sludge material derived from sulphuric acid treatment of mineral oils comprising decomposing the sludge by heating to temperatures not in excess of about 750° F. to effect formation of a gas mixture containing sulphur dioxide and condensable sulphur bearing oil vapor, cooling the gas mixture to recover sulphur bearing oil, recovering sulphur dioxide, incorporating in a further quantity of normally non-free flowing sludge material derived from sulphuric acid treatment of mineral oils an amount of said recovered oil sufficient to render the sludge material free-flowing, and then decomposing the sludge material by heating to form further quantity of sulphur dioxide.

2,155,201

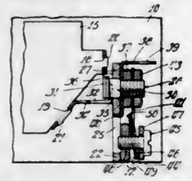
VARIABLE CONDENSER PLATE MOUNTING

Hugo Nelson, Chicago, Ill., assignor to Reliance Die & Stamping Company, Chicago, Ill., a corporation of Illinois

Application February 24, 1936, Serial No. 65,365

Renewed September 21, 1938

4 Claims. (Cl. 175—41.5)



1. In mounting means for the stator plates of a variable condenser, the combination with a frame member of insulating material, of a tie bar rigidly connecting a plurality of the plates in spaced parallel relation transversely to the frame member, said tie bar having a portion spaced from the plates and parallel with the frame member, a slot in said portion, a screw passing outwardly of the slot and engaging the frame member, said screw having a head and shank, an aperture in the frame member snugly receiving the shank, said aperture being of noncircular formation and the screw shank having an intermediate portion adjacent its head matingly received in said aperture to prevent relative rotation of the screw and frame member, said slot being elongated transversely of the plates whereby the tie bar may be adjusted with respect to the screw and frame member and the head of the screw being longer than the elongation of said slot, an abutment on the tie bar parallel with said screw head and preventing relative rotation of the tie bar and screw, and a nut on the exterior of the frame member securing said screw thereto.

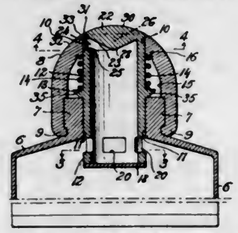
2,155,202

CLOSURE FOR COLLAPSIBLE TUBES

George W. Parvis, Philadelphia, Pa.

Application March 26, 1938, Serial No. 198,163

7 Claims. (Cl. 221—60)



1. A closure for collapsible tubes comprising a discharge member having an axial bore forming a discharge passage from the tube, a tubular valve stem mounted within said bore for sliding movement, a wall closing the outer end of said stem, said stem having a side discharge opening located adjacent to said wall, said wall positioned at an oblique angle relatively to said bore and inclined from the end of the stem adjacent to the tube toward said discharge opening and defining one wall of said opening for directing material through said opening obliquely relatively to said bore.

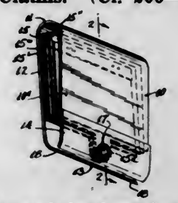
2,155,203

MULTIPLE PACK BOOK PACKAGE

Maurice Polacsek, Brooklyn, N. Y.

Application September 9, 1937, Serial No. 162,963

4 Claims. (Cl. 206—29)



1. A multiple-pack book package, comprising a flexible sheet having a front cover portion continuing at the top into a back cover portion continuing at the bottom into a retaining flange portion behind which the free edge of the front cover portion may be engaged, flat members for holding articles disposed between said portions and each having a bottom lug portion engaging behind said flange portion, a fastening pivot engaging through said flange portion and the back portion and said lug portions for pivotally holding said flat members, the junction of said flange portion and said back portion being formed with slots through which said members may pivot, and means for holding said flat members fixed in relative positions when said flexible sheet is opened so as not to fall in either direction about the pivot point and through said slots, said means comprising a sectional pivot having threaded portions engaging each other and outer flanges, and said sections being adapted to be screwed together to clamp the parts as a unit, and to be screwed apart to release the clamping pressure.

2,155,204

LUBRICANT

Carl F. Prutton, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application August 17, 1937, Serial No. 159,601

17 Claims. (Cl. 87—9)

1. As a new composition of matter, a halogenated complex mixture of organic compounds of the types found in petroleum oils and in which the less stable compounds have been converted by treatment with a condensing agent of the type represented by anhydrous $AlCl_3$.

2,155,205

TUBE CLEANER

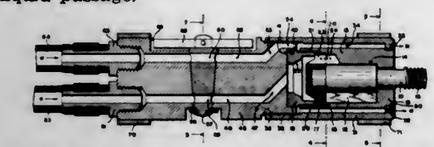
James P. Rodgers, Bloomfield, N. J., assignor to The Roto Company, Newark, N. J., a corporation of New Jersey

Application December 13, 1935, Serial No. 54,202

13 Claims. (Cl. 15—104.12)

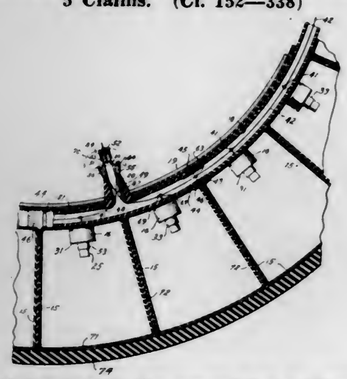
3. A tube cleaner comprising a compressible fluid driven motor adapted to be connected with

a source of fluid pressure and to drive a tool, a plurality of liquid outlets at the front of the fluid motor, and a sleeve around the fluid motor and spaced therefrom to form a liquid passage passing to the rear of the fluid motor which passage is adapted to be connected with a liquid supply, the outlets being connected with the liquid passage.



8. A tube cleaner of the type which is inserted in a tube comprising a fluid driven motor adapted to be connected with a source of fluid pressure and to drive a cleaning tool, valve means secured to and following behind the motor to control the fluid thereto, and a handle connected with the valve means to open and close the same and being rotatable outwardly when moving the valve means from one of its positions to the other, the handle having a length so that it extends in both directions from its point of attachment with the valve means so that both ends engage the tube and thereby prevent movement of the valve means to another position so long as the valve means is in a tube and prevent insertion of the valve means into the tube when the handle is in its outwardly rotated position, and the handle having a width which enables the valve means to be inserted in the tube when the handle is rotated to an axial position.

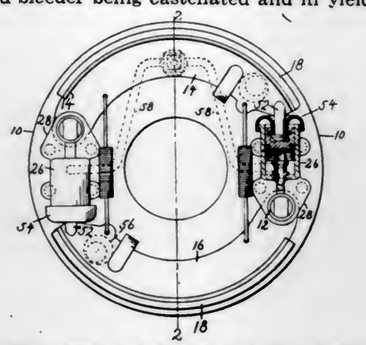
2,155,206
PNEUMATIC TIRE
Joseph Steindel, East Chicago, Ind.
Application May 6, 1937, Serial No. 141,101
5 Claims. (Cl. 152—338)



1. A pneumatic tire comprising a plurality of complementary inflatable cell units arranged in annular formation, means for inflating said units, and clasps in association with each pair of adjacent cell units for maintaining them in the arranged annular formation.

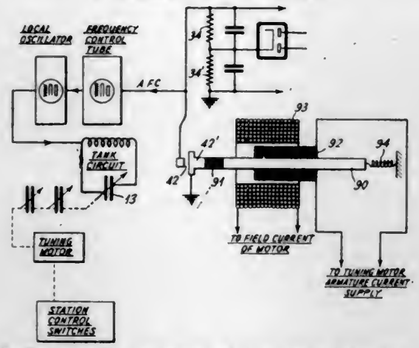
2,155,207
BRAKE CONSTRUCTION
William Stocker, Hammond, Ind.
Application November 27, 1935, Serial No. 51,749
4 Claims. (Cl. 60—54.6)

1. In a hydraulic brake, a vertically positioned cylinder having a piston operably positioned therein, a tubular air bleeder positioned within said cylinder, one end of said bleeder attachment being screw-threadedly attached to an outlet in the bottom of said cylinder, and the other end of said bleeder being castellated and in yieldable



association with the lower end of said piston, said outlet and said tubular bleeder providing a passageway from the under surface of said piston to atmosphere.

2,155,208
AUTOMATIC FREQUENCY CONTROL SYSTEM
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application May 3, 1935, Serial No. 19,563. Divided and this application September 3, 1937, Serial No. 162,229
9 Claims. (Cl. 250—40)

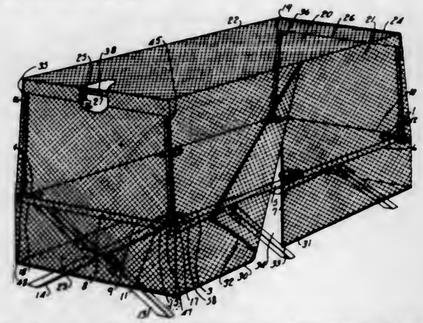


5. In a radio receiver of the type including a main tuning device, an electrically energizable means for adjusting said device through a range of station frequencies, a plurality of station selector elements, corresponding to desired station frequencies of said range, adapted to effect energization of said means thereby to secure adjustment of said main device, a supplemental tuning device constructed and arranged accurately to tune said receiver at selected adjustments of said main device in response to signal frequency variations, and means, operative upon energization of said electrical means, for rendering the supplemental device ineffective.

2,155,209
NETTING SUPPORT FOR COTS
Cyrus M. Walker, Kansas City, Mo.
Application July 2, 1937, Serial No. 151,599
6 Claims. (Cl. 135—5.1)

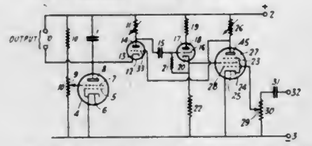
1. A netting support for cots including pairs of upright bars having ends bent to form loops of a shape approximately conforming to the

cross-section of the cross bars of a cot and having terminals extending alongside of and normally spaced from the body portions of said upright bars, retaining loops slidable on the body portions of the upright bars and movable over said terminals to contract said loop portions of the upright bars about the cross bars of the cot, and a cross bar hingedly connecting said upright bars of each pair.



6. A cover for cots including a netting having interconnected top, side and end walls, downwardly opening fabric pockets arranged coextensively along the juncture of the end walls with the top, a support for the netting including spaced uprights engageable in the corners formed between the end and side walls, cross bars spacing the upper ends of the uprights and received in said pockets to tighten the netting in a transverse direction, and means on the uprights to clamp the uprights to the cross bars at the respective ends of the cot.

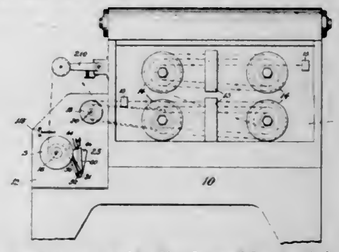
2,155,210
ELECTRICAL TIME CIRCUIT ARRANGEMENT AND OSCILLATION GENERATOR
Arthur James Young, Putney, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 3, 1936, Serial No. 62,100
In Great Britain February 14, 1935
14 Claims. (Cl. 250—36)



1. An oscillation generator comprising first, second and third electron discharge devices, each having input and output circuits, the output of said first device being coupled to the input of said second device, and the output of said third device being coupled to the input of said first device, both said second and third devices being coupled together, circuit means for rendering said first device conductive and said second and third devices simultaneously non-conductive and for causing said first device to increase its conductivity upon said third device becoming non-conductive.

2,155,211
SPOOLING OR REELING MECHANISM
Herman Zarafu, West New York, N. J., assignor to Elevator Supplies Company, Incorporated, Hoboken, N. J., a corporation of New Jersey
Application January 28, 1936, Serial No. 61,131
13 Claims. (Cl. 242—25)

1. A spooling or reeling mechanism for wire drawing machines or the like, comprising a spool or reel spindle, means for driving said spindle to rotate the spool or reel, and means for progressively diminishing the speed of rotation of said spindle as the radius of the coil of wire on the spool or reel increases with successive layers, said latter means comprising a part displaceable with relation to the axis of said spindle, a make and



break device on said displaceable part having a finger arranged to contact with the coil of wire on the spool or reel, and means controlled by said make and break device for displacing said displaceable part, by a small amount, from the axis of said spindle, following successive contacts of said finger with the coil on said spool, and at the same time control the action of said speed diminishing means.

2,155,212
FABRIC AND PROCESS OF MAKING THE SAME
Andrew Zenorini, Cliffside, N. J.
Original application August 5, 1937, Serial No. 157,479. Divided and this application May 23, 1938, Serial No. 209,502
7 Claims. (Cl. 2—278)



1. A fabric, comprising a base fabric having secured thereto an expansile yarn, composed of a core-strand of destroyable material and an expansible covering thread mounted thereon and a non-destroyable holding thread crossing the expansile thread at suitable sections to permit expansion of intermediate portions of said expansile thread upon destruction of the destroyable core-strand thereof.

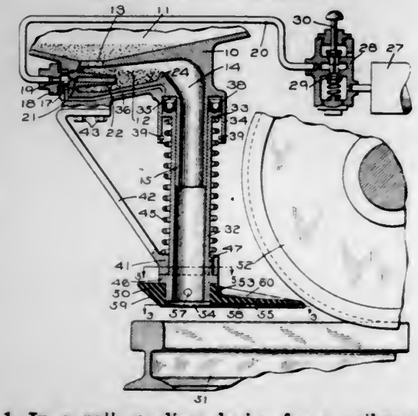
2,155,213
YARN
Andrew Zenorini, Cliffside, N. J.
Application August 5, 1937, Serial No. 157,479
3 Claims. (Cl. 57—144)



1. As an article of manufacture, a yarn comprising a strand of decomposable fibrous material and a fluffable strand composed of a relatively non-decomposable fibrous material and comprising a plurality of filaments twisted to-

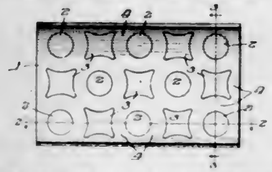
gether and connected with said decomposable strand to retain said filaments of said fluffable strand in twisted condition and to provide, in combination with said decomposable strand, a unitary yarn, the filaments of said relatively non-decomposable and fluffable strand being capable, upon decomposition of said decomposable strand, of partially untwisting and expanding outwardly to produce a fluffed surface.

2,155,214
RAIL SANDING DEVICE
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 24, 1937, Serial No. 176,185
9 Claims. (Cl. 291—45)



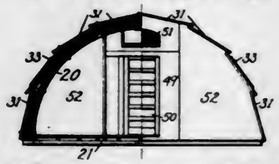
1. In a rail sanding device for a railway vehicle, a flexible sand forming shoe comprising a body portion having a passage and a sand forming portion having a rail engaging face, said face having a longitudinal channel therein communicating with said opening, said channel being closed at the forward end and open at the rear, means for moving said shoe into sliding engagement with the rail, and means for supplying sand to the rail through said passage and said channel in the shoe, the channeled portion of said shoe being adapted to form the sand thus supplied into a continuous layer along the rail.

2,155,215
METHOD OF PRODUCING COMPOSITE WEAR-RESISTING BODIES
Thomas Geoffrey Beament, Orillia, Ontario, Canada
Application February 17, 1936, Serial No. 64,238
11 Claims. (Cl. 148—3)



1. In the art of producing composite metal objects by pouring a molten body component into enveloping relation to insert components, that improvement which consists in positioning a group of the insert components aggregating a predetermined mass in a manner to leave among them body component receiving spaces aggregating a relative mass which, at the pouring temperature of the said body component, will equalize the temperature of both components at a degree that is above the critical temperature of both of them, and then subjecting both components of the object to quenching as a single structure.

2,155,216
BUILDING CONSTRUCTION
James Palmer Boggs, Denver, Colo.
Application December 24, 1935, Serial No. 56,035
6 Claims. (Cl. 20—1)



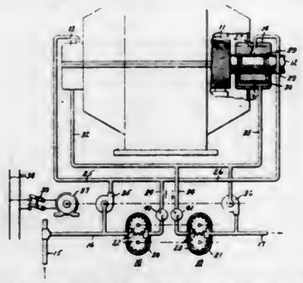
1. In a building construction having an arched, skeleton frame and interchangeable panel elements bridging in covering relation between the arched elements of said frame, means for positioning and removably securing said panel elements relative to said frame, said means comprising uniformly-spaced, parallel purlins longitudinally of said frame and engageable by upper margins of said panel elements, shoulders on lower margins of said panel elements adapted to engage over upper margins of adjacent panel elements, and means engaging through lower corners of said panel elements for clamping engagement with elements of said frame assembly.

2,155,217
RAIL BOND
William P. Bovard, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 4, 1937, Serial No. 123,950
7 Claims. (Cl. 173—280)



1. The combination with a rail having a cavity therein of a rail bond comprising a terminal adapted to be installed in the cavity in the rail and a conductor secured to the terminal, the terminal comprising a drive portion having a channel therein for the reception of the conductor and a second portion projecting from the drive portion and having a channel therethrough which intersects the first channel at substantially right angles thereto, the said second portion being adapted to be inserted in a rail cavity to extend therein short of the end wall of the cavity, a headed pin having a part extending through the last said channel and into the first channel to engage the conductor therein and forming a third portion of the terminal, the said second portion of the terminal having an end face spaced from the head of the pin and a ring of copper forming a fourth portion of the terminal positioned in the said space and encircling the pin, the diameter of the second and the fourth portions and the head of the third portion being equal and the total length of these portions being greater than the depth of the rail cavity, the said second and fourth portions of the terminal being expandable in the rail cavity into binding engagement with the wall of the rail cavity when force is applied to the said drive portion of the terminal.

2,155,218
BEARING LUBRICATING SYSTEM
Basil S. Cain, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 21, 1938, Serial No. 209,291
6 Claims. (Cl. 184—6)

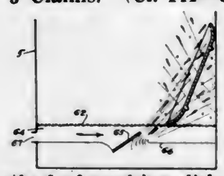


1. In a bearing lubricating system, a source of lubricating oil under pressure, conduit means for supplying oil from said source to said bearings, conduit means for draining oil from said bearings, a gear motor in said supply conduit adapted to be driven by the flow of oil therethrough, a gear pump driven by said gear motor arranged in said drain conduit for discharging oil therefrom, an auxiliary pump arranged in parallel with said gear motor, an auxiliary pump arranged in parallel with said gear pump, an auxiliary motor for driving said auxiliary pumps, means for energizing said auxiliary motor upon a predetermined drop in pressure at the discharge of said gear motor.

2,155,219
PROCESS FOR THE SEPARATION OF SEEDS BY FROTH FLOTATION
Theodore Earle, Pacific Palisades, Calif.
No Drawing. Application October 15, 1936, Serial No. 105,632
17 Claims. (Cl. 209—166)

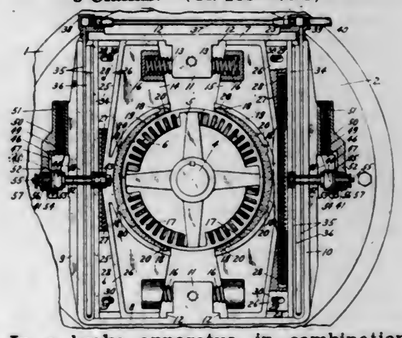
1. A process for the classification and selective separation of plant seeds which comprises immersion of the seeds in water, addition of a flotative frothing reagent, addition to the mixture of seed and reagent of pulverized insoluble minerals as a strengthening armor for froth bubbles, and subsequent agitation of the resultant admixture in froth-held flotation apparatus for the separation of the seed material into froth concentrates and non-floating tails.

2,155,220
METHOD OF WASHING AND DRYING DISHES AND APPARATUS FOR PRACTICING SAME
Clement Ehret, White Plains, N. Y.
Application January 9, 1937, Serial No. 119,775
3 Claims. (Cl. 141—9)



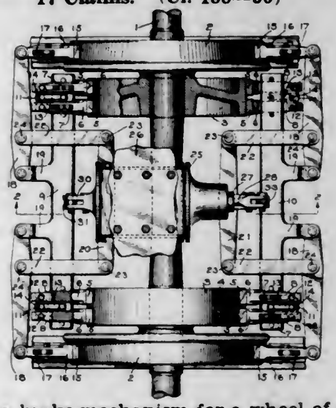
2. The method of washing dishes which comprises establishing a pool of water, positioning dishes above and in spaced relation to the plane of the surface of the pool, and thereafter rapidly moving, through the surface strata of said pool, a water impelling surface inclined to said plane while maintaining the leading edge of the water impelling surface above said plane and its trailing edge below said plane to displace water from the pool and forcibly throw it in divided form upon said dishes.

2,155,221
FRICTION BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 17, 1936, Serial No. 74,832
5 Claims. (Cl. 188—79.5)



1. In a brake apparatus, in combination, a member to be braked, a brake element adapted to be moved into braking engagement with said member, means for moving said element into engagement with said member, a bracket fixed relative to said element, a plurality of cooperating lost motion take-up members movable with said element and one being movable relative to the other to take up lost motion as wear occurs between said member and element, and means carried by said bracket adapted to move a limited distance with said lost motion take-up members and during such movement being adapted to prevent relative movement between the lost motion take-up members and to thereafter permit such relative movement upon movement of one of the lost motion take-up members relative to the means by said element as wear occurs between the element and member.

2,155,222
BRAKE DEVICE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 24, 1938, Serial No. 209,649
17 Claims. (Cl. 188—56)



1. In a brake mechanism for a wheel of a railway vehicle, in combination, a brake drum ro-

tatable with said wheel, a brake element movable into braking engagement with said brake drum, a brake element movable into braking engagement with said wheel, and power transmitting and dividing means for actuating both of said brake elements.

2,155,223

TREATMENT OF FIBROUS MATERIAL OF VEGETABLE AND MINERAL ORIGIN

Leo Frenkel, New York, N. Y., assignor to The Hatters' Fur Exchange, Inc., Walden, N. Y., a corporation of New York

No Drawing. Application September 18, 1936, Serial No. 101,398
30 Claims. (Cl. 19—66)

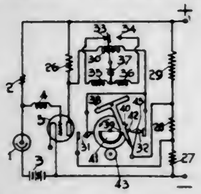
1. The method of treating fibers to facilitate spinning them with fibers of the same or different kind, which comprises treating the fibers with a solution of sulpho-cyanide and an adherent material.

2,155,224

ILLUMINATION SWITCH

Heinrich Geffcken and Hans Richter, Leipzig, Germany, assignors to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application January 18, 1935, Serial No. 2,318
In Germany January 20, 1934
8 Claims. (Cl. 250—41.5)



2. An illumination switching system comprising a photoelectric control circuit including a photoelectric device and a relay controlled by the output of said device, an artificial illumination circuit controlled by said relay, means for automatically turning on and off the artificial illumination by said photoelectric device upon decrease of the daylight illumination incident upon said photoelectric device below a predetermined relatively high critical value and upon increase of the daylight illumination incident upon said photoelectric device beyond a predetermined relatively low critical value, respectively, said means comprising sensitivity adjusting means for said control circuit, and delayed action means being normally at rest and arranged to become effective with each actuation of said relay to control said sensitivity adjusting means after lapse of a predetermined time period, to change over the response sensitivity of said control circuit from a lower to a higher value and conversely subsequently to each opening and closing, respectively, of said illumination circuit.

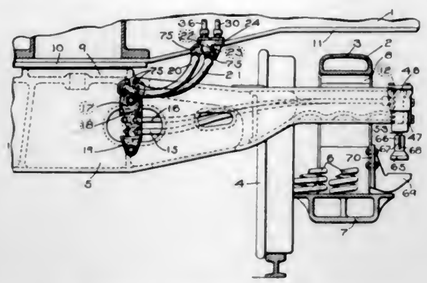
2,155,225

EMPTY AND LOAD APPARATUS

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 11, 1936, Serial No. 73,915
14 Claims. (Cl. 303—1)

1. In a controlling mechanism for an automatically operative change-over apparatus of an empty and load fluid pressure brake equipment, in combination, a vehicle truck comprising a truck frame, a truck bolster movable vertically relative to said frame according to the load on the vehicle, a laterally extending lug rigidly connected to said frame and projecting outwardly from an outer vertically disposed face of the side



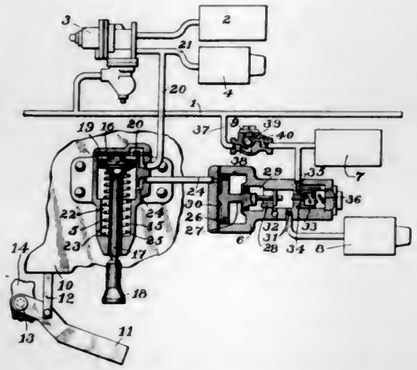
frame, and means disposed above said lug and carried by said bolster operated by fluid under pressure for controlling the operation of said change-over apparatus, said lug being adapted to cooperate with said means to control the operation of said means according to vertical movement of said bolster relative to said side frame and lug.

2,155,226

EMPTY AND LOAD BRAKE

William Blair Renshaw, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 23, 1937, Serial No. 138,505
16 Claims. (Cl. 303—22)



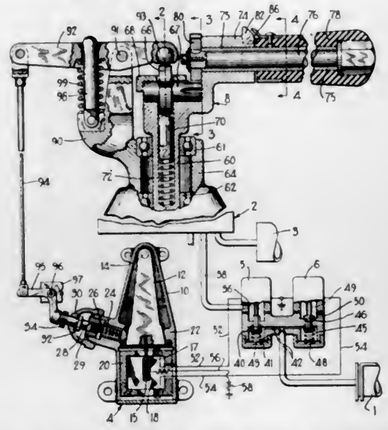
1. In combination, a vehicle having a fixed part and a part movable relative to said fixed part according to the load on the vehicle, an empty and load brake equipment for the vehicle comprising a control mechanism having a control position for providing empty braking and having another control position for providing load braking, said mechanism being adapted to be moved by fluid under pressure from the empty braking control position to the load braking control position and means connected to both said fixed and movable parts of the vehicle and operative according to movement of the movable part relative to the fixed part for controlling the positioning of said control mechanism.

2,155,227

RETARDATION CONTROL BRAKE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application May 14, 1937, Serial No. 142,541
8 Claims. (Cl. 303—24)



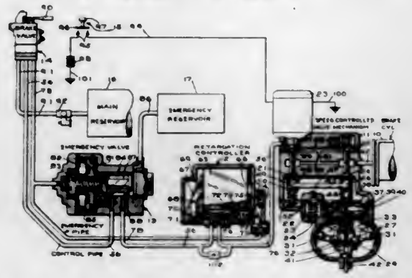
1. In a vehicle brake equipment, in combination, braking means, an application device for effecting an application of said braking means, a control device responsive to an operating condition of said vehicle for regulating the degree of application of said braking means by said application device, a member movable about an axis for controlling one of said devices, an element carried by said member and movable relative thereto, said element having a cam surface associated therewith, and means engageable with said cam surface substantially at a point intersected by said axis for controlling the other of the said devices.

2,155,228

RETARDATION CONTROLLED BRAKE

Ellis E. Hewitt, Edgewood, and John N. Good, Wilmerding, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 30, 1937, Serial No. 151,192
9 Claims. (Cl. 303—21)



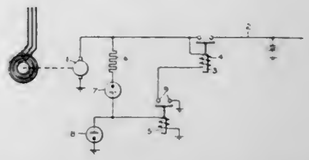
1. In a vehicle brake system, in combination, a communication through which fluid under pressure is supplied to effect an application of the brakes, a retardation controller device for controlling said communication, speed controlled means for also and independently controlling said communication, and means for selectively controlling the effectiveness and ineffectiveness of said speed controlled means.

2,155,229

PROTECTIVE SYSTEM

Daniel C. Hoffmann, Yeadon, Pa., assignors to General Electric Company, a corporation of New York

Application August 20, 1936, Serial No. 97,003
4 Claims. (Cl. 175—294)



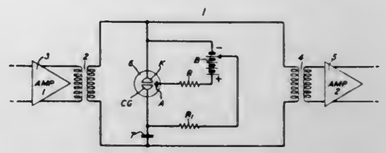
1. In combination, a source of direct current, a relay having a winding connected to said source, unidirectional conducting means connected in series with said winding, and means for preventing the operation of said relay when said unidirectional conducting means fails and the polarity of said direct current source is reversed including other unidirectional conducting means connected in parallel with said winding and arranged to conduct current in the opposite direction from that in which said first-mentioned unidirectional conducting means conducts current.

2,155,230

PEAK VOLTAGE LIMITER

William H. T. Holden, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 30, 1936, Serial No. 88,138
7 Claims. (Cl. 171—119)



1. In a full wave peak voltage limiter a line in which alternating current potentials transmitted thereover are to be limited, a gas-filled discharge device having an anode and two similar cold electrodes, each of which is adapted to operate as an anode with respect to the other and as a cathode with respect to the anode, said electrodes being connected to opposite sides of the line, direct current means independent of the line for maintaining a constant glow discharge between the anode and one of the electrodes and other direct current means independent of the line for applying a difference of potential between said cold electrodes, the value of which is substantially one-half that required to maintain a discharge therebetween.

2,155,231

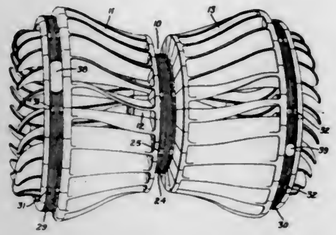
FAN AND METHOD OF MAKING SAME

Albert B. Hubbard and Myles Stanton, Bloomfield, N. J., assignors to General Electric Company, a corporation of New York

Application June 1, 1936, Serial No. 82,821
14 Claims. (Cl. 29—156.8)

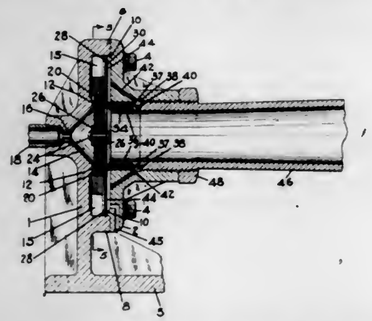
1. In combination, a hub, fan blades extending axially from the hub and having abutting portions overlying the periphery of the hub and a

wire wound over the abutting portions of the



blades overlying the periphery of the hub to secure the blades to the hub.

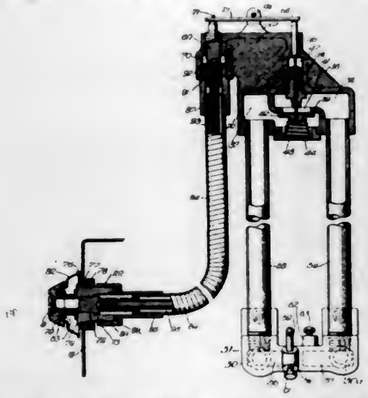
2,155,232
HORN
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 10, 1936, Serial No. 84,410
13 Claims. (Cl. 116—142)



1. In a sound producing device, in combination, a casing having a chamber therein, a vibratory diaphragm device mounted in said chamber, means for causing said diaphragm device to vibrate, said diaphragm device comprising a plurality of laminations of material, each of the laminations of the diaphragm device having a central portion and having projecting therefrom radially extending arms, and a member engaged by the ends of said arms whereby said arms are flexed upon movement of said diaphragm device.

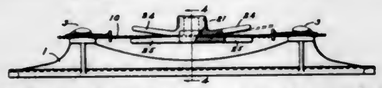
2,155,233
CONTROL SYSTEM
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 25, 1932, Serial No. 588,688
3 Claims. (Cl. 236—15)

1. In a temperature control mechanism for gas stoves, a temperature sensitive device located in the oven of the stove, a regulating device located at a distance therefrom, connecting means for connecting the regulating device with the temperature sensitive device to permit regulation thereof, a fuel flow control means located adjacent the temperature sensitive device also within the wall of the oven and means for conducting fuel to and from the fuel flow control means comprising conduits and a fitting located in substantially the same plane with said regulating device and at the bottom of the oven and adapted to



provide by-pass means to supply fuel for ignition purposes.

2,155,234
CONDUCTOR SUPPORT
Louis A. Meisse, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 16, 1937, Serial No. 164,230
8 Claims. (Cl. 191—40)

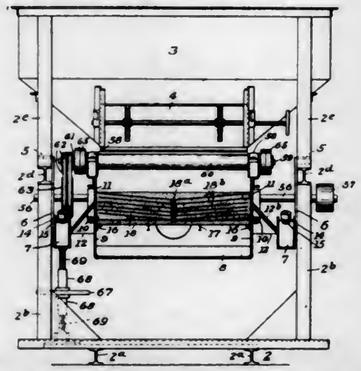


1. The combination with a conductor hanger, comprising an elongated spring member formed from flat spring material and having spaced openings, one at each end of the member, an elongated conductor holding member having conductor receiving means along one edge and a pair of spaced projections, one adjacent each end of the holding member registering with the openings in the spring member, means extending through the openings to attach the holding member to the spring member, a suspension member secured to the spring member intermediate its end, of means to change the spring constant with a change in load conditions upon the hanger, the said means comprising arms projecting from opposite sides of the suspension member and in the general direction of the spring members and so constructed and arranged relative to the suspension and spring members as to gradually decrease the spring constant when pressure is applied to the holding members from below and means associated with the suspension member to secure the hanger to a support.

2,155,235
APPARATUS AND METHOD FOR THE SEPARATION OF DRY MATERIALS
Dwight C. Morgan, Jr., and Thomas Hubbard Morgan, Kittanning, Pa., assignor, by mesne assignments, to Morgan Concentrating Company, Wilmington, Del., a corporation of Delaware
Application February 15, 1936, Serial No. 64,078
17 Claims. (Cl. 209—467)

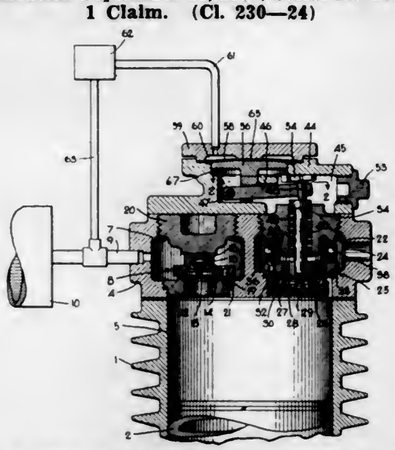
1. A dry concentrating apparatus of the class described, comprising a porous table, and means for forcing air upwardly through said table, the table having flute or riffle portions arranged to contain a greater depth of the material fed than

other table portions and cooperating with the air feed to supply a larger amount of air upwardly through the flute or riffle portions.



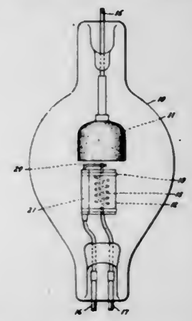
12. In the dry concentration of material having heavier and lighter particles, the steps consisting of feeding the material over a permeable inclined stratifying table causing the concentrates to sink into permeable grooves of the table beneath lighter portions of the material, and feeding a gaseous fluid in greater amount upwardly through the grooves and in lesser amount through other table portions.

2,155,236
COMPRESSOR UNLOADING DEVICE
George K. Newell, Pitcairn, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 14, 1937, Serial No. 163,802
1 Claim. (Cl. 230—24)



In a fluid compressor, in combination, a body having a cylinder bore therein providing a compression chamber, an inlet valve associated with said body and engageable with a seat surrounding a passage through which fluid may flow to and from said compression chamber, a spring for pressing said inlet valve against said seat, the body having a bore therein, a plunger mounted in said bore with one end thereof confronting said inlet valve, a spring yieldingly pressing said plunger away from said inlet valve, said body having a lever chamber formed therein, a lever mounted in said lever chamber and pivotally supported adjacent one end on said body, an adjusting screw carried by the free end of said lever and engageable with the end of said plunger, a flexible diaphragm associated with said body and having at one face a follower operatively connected with said lever at a point intermediate said adjusting screw and the point of connection of the lever with the body, the diaphragm having at the other face thereof a pressure chamber adapted to contain fluid under pressure, a wall of said lever chamber having an opening therein adjacent the free end of said lever, a closure for said opening, and means carried by said lever and accessible through said opening for locking said adjusting screw relative to said lever, said adjusting screw having a head thereon having a plurality of notches formed in the periphery thereof and adapted to receive the end of a tool inserted through the opening in said wall, whereby said screw may be turned relative to said lever.

2,155,237
ELECTRIC DISCHARGE DEVICE
Laurence F. Perrott, Revere, Mass., assignor to General Electric Company, a corporation of New York
Application November 18, 1937, Serial No. 175,183
3 Claims. (Cl. 250—27.5)

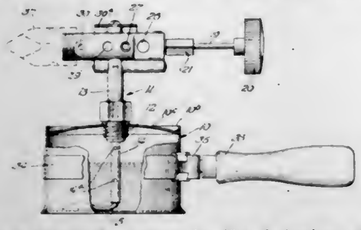


1. An electric discharge device comprising an envelope enclosing a quantity of a readily ionizable medium, an anode and a cathode of the type which requires a continuous supply of heating current thereto, said cathode including a relatively massive structure of high thermal inertia coated with alkaline earth material and exposed to the discharge space and a quick-acting element comprising a heater of low thermal inertia effective to maintain the alkaline earth material at its proper emitting temperature during normal operation of the device, the heater being also exposed to the discharge space and having a coating of a substance having substantially the emission characteristics of thoria whereby it is enabled to supply the full load current of the device during starting periods without excessive vaporization.

2,155,238
TORCH
Stanley Earle Peters, Chicago, Ill.
Application November 5, 1937, Serial No. 172,927
11 Claims. (Cl. 158—35)

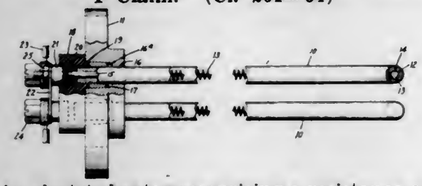
1. A torch comprising a liquid fuel receptacle, a head connected thereto comprising a fuel vaporizing chamber and a communicating flame tube heat conductively associated with said chamber for supplying heat thereto for effecting vaporization of fuel therein for delivery to said tube, a wick for supplying liquid fuel to said

chamber from said receptacle, and an air induction member in said tube for preheating air



and supplying the same to the interior of said tube for supporting combustion within the tube.

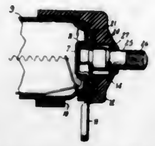
2,155,239
ELECTRIC HEATER
Charles P. Randolph, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill., a corporation of New York
Application May 15, 1936, Serial No. 79,887
1 Claim. (Cl. 201—64)



An electric heater comprising a resistance conductor, a metallic sheath encasing said conductor having its ends adjacent each other, terminals within the end portions of said sheath connected with said resistance conductor and projecting from said ends, a mass of electrically-insulating, heat-conducting material embedding said resistance conductor and the inner ends of said terminals, said mass extending not quite to the ends of said sheath so as to leave shallow cup-shaped recesses in said ends, a metallic support having spaced apertures extending through it through which the ends of said sheath are passed from one side to the other of said support so as to project beyond the latter side of said support, a single, substantially homogeneous disc-like mass of electrically-insulating sealing material molded on said side and projecting therefrom to embed the projecting ends of said sheath and the terminals projecting from said ends and so as to fill said recesses in said sheath, and terminal members having exterior knurled portions secured to said terminals spaced from the ends of said sheath and having said knurled portions embedded in said molded mass of insulating sealing material, the sides and outer surfaces of said mass of insulating material being exposed and the adherence of said mass to said side of said support, and the portions of said sheath, terminals and terminal members embedded thereby constituting the sole supporting means for said mass.

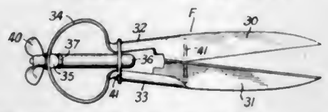
2,155,240
LAMP SOCKET
Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 22, 1937, Serial No. 144,205
3 Claims. (Cl. 173—350)

1. A socket for a lamp having contacts at its end comprising a base having a recess in one face, a switch spindle projecting from said base, a prong for connection with a line conductor projecting from said base, spaced contacts in said recess, a contact member for one of said lamp contacts fixed to said base and clamping said



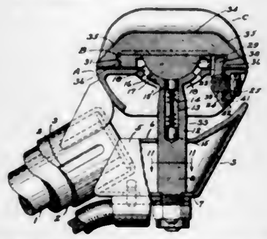
contacts in said recess, said contacts being respectively connected to said prong and said contact member, and a contact for making and breaking the circuit between said spaced contacts upon movement of the spindle.

2,155,241
SKIRT LENGTH CUTTING DEVICE
Adolph J. Rubin, New York, N. Y.
Application June 9, 1937, Serial No. 147,185
1 Claim. (Cl. 30—231)



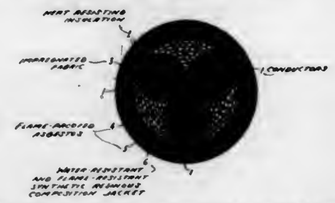
A skirt length cutting device including a shearing implement comprising a pair of shearing blades, a shank for each shearing blade and a resilient bight connecting said shanks, a supporting means for said shearing implement including a standard, said standard at the upper end thereof and said bight at the mid-portion thereof having aligned apertures therein, means extending through said apertures for connecting the shearing implement to the standard, and means engaging said first named means for locking said implement with the blades selectively disposed in a horizontal position perpendicular to said standard or in a position perpendicular to said standard and at an angle to the horizontal.

2,155,242
TROLLEY HEAD
Edmund C. Ryan, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 8, 1938, Serial No. 189,336
9 Claims. (Cl. 191—59.1)



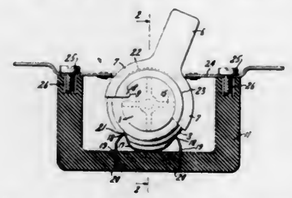
1. A current collector head comprising a support for attachment to a trolley pole and provided with a cup shaped receptacle having a concave spherical bearing surface, swivel means mounted on the support and provided with a projecting boss having a convex spherical bearing surface contacting the first bearing surface to support the said means to swivel relative to the support, a shoe mounted on the swivel means to engage a trolley conductor, holding means on one end of the shoe to interlock with means on the swivel means to hold said end in position, like holding means on the other end of the shoe, a clamp to lock with the swivel means and having means to interlock with the last said holding means on the shoe to hold the second said end of the shoe in position and means engaging the said clamp and the swivel means whereby the clamp may be drawn into close clamping relation with the said shoe and swivel means and effecting a closer contact between the shoe and the swivel means.

2,155,243
ELECTRICAL CABLE
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 9, 1936, Serial No. 78,815
8 Claims. (Cl. 174—106)



5. A multi-conductor electrical cable comprising a plurality of electrical conductors each insulated with layers of asbestos and varnished cambric, asbestos roving saturated with a flameproofing compound in the filler spaces, a belt of asbestos over said roving and conductors, impregnated with a flameproofing compound, a jacket of insulation over said belt of asbestos comprising a plurality of layers of tape including a plasticized polymerized vinyl chloride composition and asbestos tape impregnated with such composition, aluminum foil tape surrounding the outer wall of said jacket and a protective braid of aluminum wire on said tape.

2,155,244
ELECTRIC SWITCH
Robert F. Sambleson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 15, 1935, Serial No. 49,931
4 Claims. (Cl. 200—153)



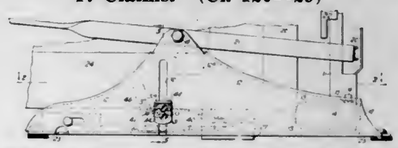
1. In an electric switch, a cylindrical liquid contact circuit closer, and a molded handle having forked ends of thermoplastic material partially enveloping the periphery of the circuit closer, said forked ends being resilient and the surfaces thereof engaging the circuit closer being normally spaced apart a less distance than the engaged surfaces on the circuit closer whereby the forked ends are forced apart by the circuit closer and the circuit closer is gripped therebetween and the handle is held thereon by the resilience of said forked ends.

2,155,245
ROUND POINTED TOOTH BRUSH
Ioji Sekine, Freeport, N. Y.
Application March 24, 1938, Serial No. 197,777
1 Claim. (Cl. 15—167)



In a toothbrush of the type having a round head and a handle with a brush formed of a plurality of tufts of bristles positioned around a central tuft, with the bristles of the central tuft relatively longer than those of the surrounding tufts, and with all of the bristles progressively longer from the outer edge of the brush toward the center, forming a pronounced point; said brush characterized in that the ends of the bristles form two sets of oppositely positioned flat surfaces with the axis of one set in alignment with the longitudinal axis of the handle, and the axis of the other set of flat surfaces extending transversely thereof, said brush particularly adapted for cleaning between the teeth, with the point at the center extending into the crevices between the teeth, with the broad flat surfaces at the sides thereof contacting the surfaces of the adjoining teeth, said flat surfaces forming a pyramid, with only four substantially equal flat sides.

2,155,246
COPY HOLDER
Lewis W. Shafer, Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application November 22, 1937, Serial No. 175,802
17 Claims. (Cl. 120—29)

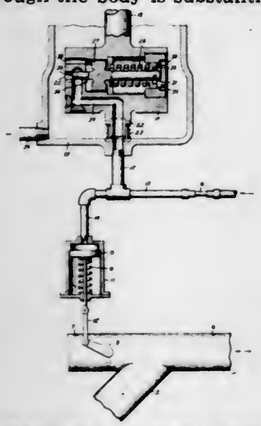


1. The combination of a copyholder, and retaining means for retaining the copyholder in position relative to a typewriting or like machine, said retaining means comprising a self adjusting retaining member cooperative with a typewriting machine, and holding means placed in operative condition by the cooperation of said retaining member with the typewriting machine to positively lock said retaining member against displacement from said self adjusted position.

2,155,247
GOVERNING MECHANISM
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application May 19, 1937, Serial No. 143,525
1 Claim. (Cl. 264—14)

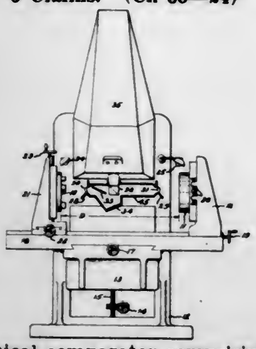
A governing mechanism comprising a conduit, means for delivering liquid under pressure to the conduit, a motor operable in accordance with variations in pressure in the conduit for con-

trolling an apparatus to be governed, a rotatable body to be driven by a controlling apparatus and having a radially extending discharge passage therein, said passage having an inlet adjacent the axis of rotation of the body and an outwardly directed discharge opening at the exterior surface of the body whereby the flow of liquid through the body is substantially continu-



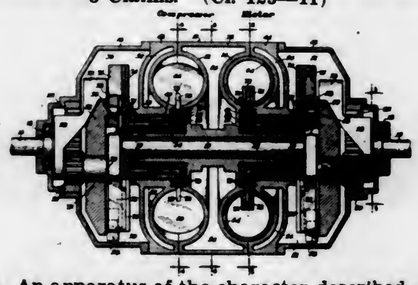
ously outward, and a valve element arranged within the interior of the body and rotatable therewith, said element being movable outwardly by centrifugal force developed during the rotation of the body to close the discharge opening and thereby to regulate the flow through the passage in accordance with variations in the speed of the controlling apparatus.

2,155,248
OPTICAL COMPARATOR
John Q. Adams and Frank A. Benford, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 20, 1937, Serial No. 160,112
6 Claims. (Cl. 88—24)



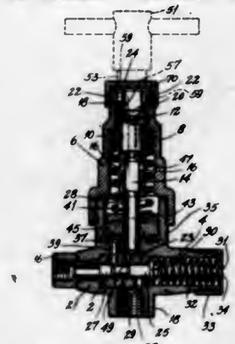
1. An optical comparator comprising a pair of adjustable supports, a pair of parts held by said supports, said parts having exposed light reflecting surfaces having complementary contour edges to be compared, an optical system including means for illuminating exposed surfaces of the parts to be compared, a system of mirrors and prism means for directing reflected light rays from both of such parts along a common axis, a screen upon which such light rays are directed and image magnifying means interposed in the path of the light rays falling upon said screen whereby equally magnified images of the exposed surfaces of the parts to be compared are thrown upon said screen in complementary superimposed relation.

2,155,249
ROTARY TORUS CYLINDER MOTOR
Charles Bancroft, New Canaan, Conn.
Application July 1, 1937, Serial No. 151,334
8 Claims. (Cl. 123—11)



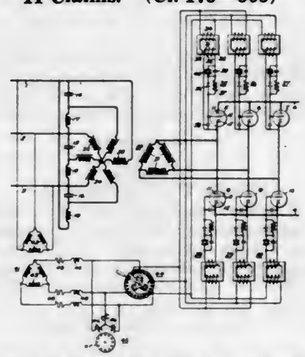
1. An apparatus of the character described, including in combination a stator, a shaft rotatably mounted therein and formed with a crank pin, a working chamber in said stator, three pairs of pistons rotatably mounted in said chamber, telescoping sleeves, each provided with two flange portions at one end thereof for connecting a pair of said pistons to each sleeve, all the said flange portions being co-planar and co-planar flange portions at the other ends of said sleeves, a crank arm connected to each of said second named co-planar flange portions, there being one crank arm for each pair of pistons, a connecting member mounted on said crank pin and having means to engage slidably said crank arms for controlling the relative position of said piston during the operation of the apparatus, and geared means for rotating said connecting member in opposite direction to said shaft, the relationship between said crank arms and their respective pairs of pistons being such that the angular relationship of two pairs of pistons with their respective crank arms each vary by sixty degrees from that of the third pair of pistons with its respective crank arm and in opposite directions.

2,155,250
INJECTOR
Frank S. Barks, St. Louis, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application January 17, 1938, Serial No. 185,352
11 Claims. (Cl. 184—7)



1. An injector comprising a cylinder, a movable dividing means therein, said cylinder having an inlet on one side of the dividing means, outlet means leading from the other side of the dividing means, said outlet means comprising a stationary tube through the dividing means, a second tube telescoping the stationary tube and forming an abutment for limiting the movement of the dividing means.

2,155,251
ELECTRIC VALVE CIRCUITS
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 22, 1937, Serial No. 165,143
11 Claims. (Cl. 175—363)



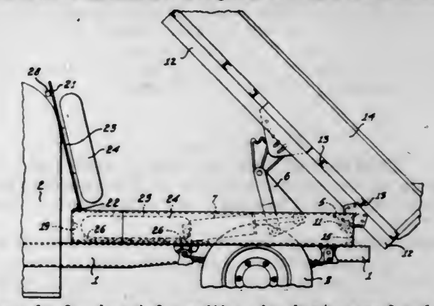
1. In combination, a supply circuit, a load circuit, electric valve means connected between said circuits for transmitting energy therebetween, said electric valve means having a control member, an excitation circuit comprising a source of alternating voltage for impressing on said control member a control voltage, and energy storage means comprising a dynamo-electric machine for introducing into said excitation circuit an alternating voltage during transient conditions to assure energization of said control member during transient voltage disturbances of said source.

2,155,252
CAUSTIC SOLUTIONS
Brazier K. Beecher, Barberton, and William F. Waldeck, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
No Drawing. Application January 2, 1937, Serial No. 118,924
1 Claim. (Cl. 23—184)

A process of preparing a water white solution of sodium hydroxide which comprises reacting an aqueous solution of sodium carbonate with lime to form a solution of sodium hydroxide containing manganic coloring matter of green tint, treating said solution of sodium hydroxide with sufficient zinc to substantially completely remove the green coloration, whereby said manganic coloring matter is converted into a solid which is dispersed throughout the solution, and subsequently introducing an adsorbent to remove said solid.

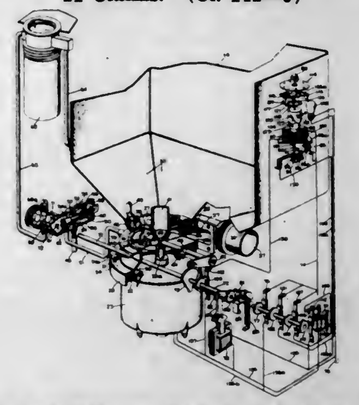
2,155,253
TIRE AND TOOL CARRYING COMPARTMENT IN TRUCKS
Fred Biszantz, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio
Application March 31, 1938, Serial No. 199,213
10 Claims. (Cl. 298—1)

9. In combination, a truck having longitudinal frame members, inclosure means disposed between the frame members constructed and arranged to receive a spare tire, means for retaining the tire in the inclosure means, a tilting body pivoted on said frame members adapted to have its bottom



when in horizontal position in juxtaposed relationship to the top of said inclosure means to prevent access to the top of said inclosure means, and when in tilted position to provide access to the inclosure means.

2,155,254
WASHING APPARATUS
Jesse H. Clark, Chicago, Ill., assignor, by mesne assignments, to Edison General Electric Appliance Company, Inc., a corporation of New York
Application April 24, 1934, Serial No. 722,099
11 Claims. (Cl. 141—9)



8. In dishwashing apparatus having a vat, means for supplying liquid to the vat, a valve controlling the liquid supply means, a liquid circulating impeller in the vat, and a driving motor for said impeller, control means for said apparatus comprising a switch arranged to connect said motor to a source of electrical supply, cams controlling the operation of said valve and said switch in a predetermined cycle of operation, an electromagnetic device controlling the operation of said cams, a manually operable control device controlling the energization of said electromagnetic device to operate said cams, a second switch arranged to control said electromagnetic device to move said cams to a controlling position having an inactive position and an active position wherein said electromagnetic device is controlled to advance said shaft, a cam controlled by said electromagnetic device for moving said second switch to said inactive position, a second electromagnetic device arranged to effect the operation of said switch to said active position to effect the control

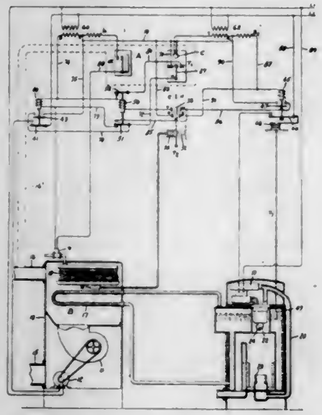
of said first electromagnetic device, a third switch arranged to connect the operating coil of said second electromagnetic device in the armature circuit of said motor so that its energization is substantially proportional to the magnitude of the armature current of said motor, and a cam operated by said first electromagnetic device for operating said third switch to connect said coil in said armature circuit of said motor.

2,155,255

TEMPERATURE CONTROL SYSTEM

Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Application September 21, 1935, Serial No. 41,577
11 Claims. (Cl. 236—11)



1. In a temperature control system, the combination of apparatus operable for circulating a heat transfer medium to regulate a temperature condition, apparatus operable to regulate the temperature of said medium, a thermostatic control element responsive to said temperature condition and having separate start and stop control connections with said circulating apparatus, a control transfer device operable to transfer the start control connection of said thermostatic control element from said circulating apparatus to said temperature varying apparatus, and a second thermostatic control element responsive to the temperature of said medium for controlling operation of said transfer device and having a separate stop control connection with said temperature varying apparatus independent of said transfer device.

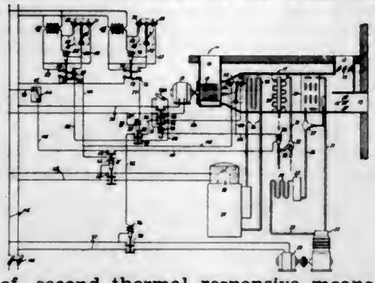
2,155,256

TEMPERATURE REGULATING SYSTEM

Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York

Application September 10, 1936, Serial No. 100,119
13 Claims. (Cl. 257—3)

5. In a temperature regulating system, the combination including heating means, cooling means, electrical control means for each, means including a source of energy and thermal responsive means having a two position relay controlled thereby and adapted in one position thereof to connect the heating control means to said source of energy for controlling the operation of said heating means, a thermostatic switch responsive to the temperature of said heating means and having an energizing circuit for said cooling control means adapted to be connected to said source of energy by said relay in the other position



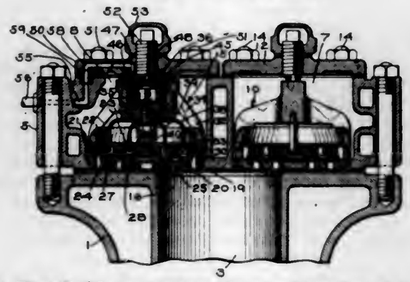
thereof, second thermal responsive means, and relay means controlled thereby adapted selectively to complete said energizing circuit for controlling the operation of said cooling means.

2,155,257

FLUID COMPRESSOR

Philip L. Crittenden, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Original application January 31, 1935, Serial No. 4,263. Divided and this application March 13, 1937, Serial No. 130,730
5 Claims. (Cl. 230—24)



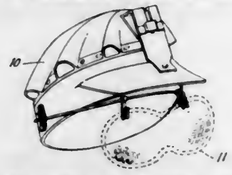
1. In a fluid compressor, in combination, a body having a bore therein providing a compression chamber, said body having an inlet chamber associated therewith and opening on a face thereof, an inlet valve assembly mounted in said inlet chamber and controlling communication between said inlet and compression chambers, said valve assembly including a frame having a valve seat member associated therewith, a valve adapted to seat on said seat member, biasing means yieldingly urging said valve into engagement with its seat, the frame having an operating chamber associated therewith, a movable abutment subject to the pressure of the fluid in said operating chamber and controlling means for holding said valve away from its seat against said biasing means, a clamp detachably secured to said body and engageable with a portion of said frame to secure said valve assembly in position in said inlet chamber, the body having a supply passage formed therein through which fluid may be supplied to and released from said operating chamber, the clamp having a passage formed therein and operative when the clamp is in position on said body to establish communication between said supply passage and said operating chamber, the adjacent ends of the supply passage in the body and of the passage in the clamp being enlarged, and a tubular member positioned in said enlarged passage portions and extending across the joint between the body and the clamp.

2,155,258

ADJUSTABLE HOLDER FOR GOGGLES AND THE LIKE

John Erwin Dennis, Gardiner, N. Mex.

Application July 5, 1938, Serial No. 217,522
4 Claims. (Cl. 2—11)



1. An attachment for a head dress for supporting a device before the wearer's eyes comprising: a bar shaped to surround the front portion and one side of said head dress, clip members secured to said head dress and detachably engaging said bar adjacent its extremities; slide members carried by said bar; and means for detachably attaching said slide members to said device.

2,155,259

LIQUID DISPENSER FILTER

James T. Dickson, Lakewood, Ohio, assignor to General Electric Company, a corporation of New York

Application April 3, 1937, Serial No. 134,910
1 Claim. (Cl. 183—49)



A gasket comprising a resilient tubular body provided with a plurality of apertures spaced apart in staggered relation to provide air paths through said gasket of greater length than the diameter of said tubular body, and a core of air filtering material arranged in said tubular body.

2,155,260

CREAM WHIPPING GAS AND METHOD OF PRODUCING WHIPPED CREAM

Isaac M. Diller, Brooklyn, N. Y.

No Drawing. Application December 29, 1937, Serial No. 182,259
7 Claims. (Cl. 99—60)

5. The process of whipping cream which comprises dissolving in the cream under pressure a gas containing nitrous oxide and between 15 and 25% of carbon dioxide and then releasing the cream from pressure.

7. A process according to claim 5 in which the gas contains between 15 and 25% of carbon dioxide and not more than 40% of nitrogen and in which the cream before releasing is brought to an acidity not more acid than 5.5.

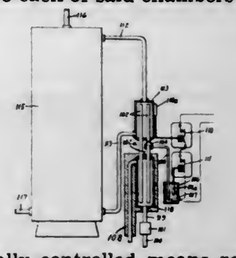
2,155,261

HEAT TRANSFER SYSTEM

Marcus E. Fiene, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York

Application June 8, 1935, Serial No. 25,691
12 Claims. (Cl. 237—9)

1. Apparatus for heating water having a steam chamber provided with means for maintaining a supply of live steam therein, a separate chamber above said steam chamber and provided with means for circulating water therethrough, and a sealed fluid vaporizing and condensing conduit substantially free of non-condensable fluid and extending into each of said chambers and having



thermostatically controlled means responsive to water temperature for introducing and extracting vaporizable fluid therein to regulate the transfer of heat between said chambers.

2,155,262

COMFORT RESPONSIVE APPARATUS

Marcus E. Fiene, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York

Application November 8, 1935, Serial No. 48,850
2 Claims. (Cl. 236—68)



1. In a comfort responsive apparatus, the combination of a body for dissipating heat to its environment at a rate dependent upon the resultant of a plurality of environmental conditions, means for continuously generating heat at a substantially constant rate, a sealed vaporizing and condensing heat transfer means interconnected between the heat generating means and the heat dissipating body and having a vaporizer maintained at a predetermined temperature materially above the temperature of said body when said body is dissipating heat under environmental conditions within the comfort range, and means responsive to variations in said temperature of said vaporizer.

2,155,263

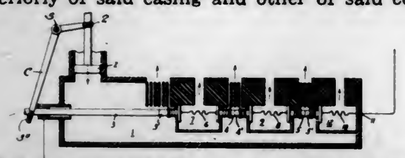
MULTIBREAK HIGH VOLTAGE CIRCUIT BREAKER

Cedric Harold Flurscheim, Fleet, England, assignor to General Electric Company, a corporation of New York

Application January 11, 1938, Serial No. 184,478
In Great Britain January 22, 1937
8 Claims. (Cl. 200—150)

1. A high voltage circuit breaker of the multibreak liquid type comprising a casing containing

an arc extinguishing and insulating liquid, relatively movable contacts arranged to form a plurality of breaks in series in said liquid, at least one of said contacts being mechanically operable exteriorly of said casing and other of said con-



tacts being subject to liquid pressure in said casing for forming said breaks, and a piston operable exteriorly of said casing for creating pressure in said liquid substantially coincident with opening of said mechanically operated contact.

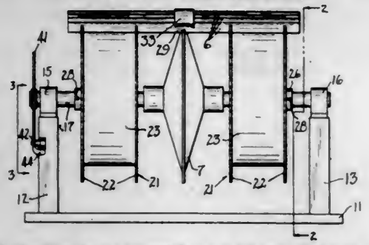
2,155,264

METHOD AND APPARATUS FOR FORMING BLOWER WHEELS

Edward A. Freed, Moline, Ill.

Application January 24, 1938, Serial No. 186,568

8 Claims. (Cl. 29—23.5)



2. A device for assembling a blower wheel of the type having a plurality of blades, and retaining rings provided around the outer edge of said blade and adjacent the ends thereof, said device comprising a fixture adapted to support the wheel while it is being assembled, including an assembly jig disposed within said wheel and adapted to arrange said blades in the proper position, and a gauge for locating the axial position of the retaining rings, said jig and said gauge adapted to be removed from said wheel after the parts thereof have been secured in assembled relation.

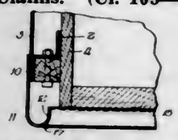
2,155,265

RAILWAY CAR END WALL

Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application April 1, 1937, Serial No. 134,209

4 Claims. (Cl. 105—410)



1. In a railway car having spaced apart corner posts and a side wall secured to each post in combination with a flexible extension plate secured to each side wall and having a portion extending therebeyond, and a metallic end wall sheet formed with a plurality of corrugations extending between the opposite edges of the sheet and secured to said portions of the flexible extension plate so that when the corrugated end sheet deflects under load the corner posts will not be distorted.

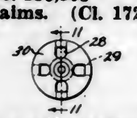
2,155,266

SYNCHRONOUS MOTOR

William L. Hansen and Ira N. Hurst, Princeton, Ind., assignors to Hansen Mfg. Company, Inc., Princeton, Ind., a corporation of Indiana

Original application May 5, 1936, Serial No. 78,002. Divided and this application April 12, 1937, Serial No. 136,503

2 Claims. (Cl. 172—120)



1. A rotor for a self-starting synchronous motor comprising a metal disk with perforations disposed intermediate the center and periphery thereof, the material from the perforations being turned over at the outer edge of each perforation and directed outwardly parallel to the face of the disk whereby pole areas are formed in the disk periphery of a greater amount of metal than in the central areas thereof.

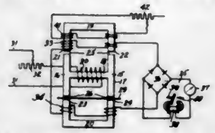
2,155,267

FOIL GAUGE

Claude M. Hathaway, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application February 19, 1937, Serial No. 126,624

6 Claims. (Cl. 175—183)



1. A foil thickness gauge comprising in combination, an H-shaped laminated core element with parallel legs joined by a cross arm, an exciting winding on said cross arm, a source of audio-frequency alternating current connected to said winding, a pair of U-shaped laminated core elements with laminated legs joined by core portions, one of said U-shaped elements being adjacent one end of said H-shaped elements to form air gaps between the ends of the parallel legs of said adjacent element and the other of said U-shaped elements being adjacent the other end of said H-shaped element to form air gaps between the ends of the parallel legs of said latter U-shaped element and said H-shaped element, one of said air gaps being adapted for passage of foil to be gauged, a current-responsive device, detecting windings on each of said U-shaped elements connected to said current-responsive device in series-opposition, a compensating winding on one of said U-shaped elements, and an adjustable resistor connected between the ends of said compensating winding.

2,155,268

CONTROL SYSTEM

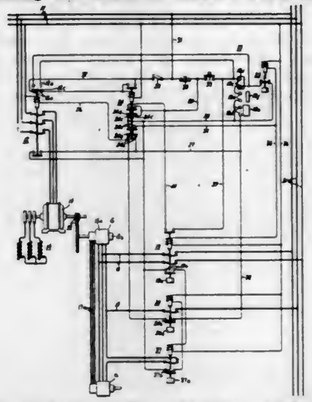
Gerhart W. Heumann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 17, 1937, Serial No. 126,217

6 Claims. (Cl. 172—293)

1. A control system comprising in combination a main motor for driving a load, means for maintaining a second load in synchronism with said first load comprising an electrical motion transmitting device driven by said motor, an electrical motion receiving device mechanically connected

to said second load and electrically connected to said transmitting device, a master switch having an off position and an operating position for controlling the starting of said main motor, a control relay and means controlled thereby for establishing excitation connections for said trans-



mitting and receiving devices, and interlock means for preventing actuation of said relay to establish said connections except in said off position of said master switch thereby to prevent starting of said main motor by said master switch prior to establishment of said connections.

2,155,269

PURIFICATION OF CAUSTIC

James L. Jamieson, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application May 25, 1938, Serial No. 209,983

12 Claims. (Cl. 23—184)

1. A process of removing alkali metal chloride from an aqueous alkali metal hydroxide solution containing the same which comprises introducing a soluble boron compound into said solution whereby a substantial quantity of alkali metal chloride is precipitated and separating the precipitate from said hydroxide.

7. A process of removing sodium chloride from aqueous sodium hydroxide solution containing the same which comprises introducing a soluble boron compound to a solution having a sodium hydroxide concentration of 40–70 percent whereby a substantial proportion of the sodium chloride dissolved therein is precipitated and separating the precipitate from said hydroxide.

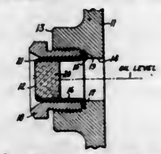
2,155,270

SIGHT GLASS

Wilfrid E. Johnson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application September 10, 1937, Serial No. 163,277

3 Claims. (Cl. 73—331)



1. A casing having an observation opening therein and a counterbore about one end of said opening, a tubular metal member having a flanged end arranged in said counterbore, means including a follower surrounding said member for tightly securing the flanged end of said member to said casing, and a glass window disposed within said member and sealed thereto.

2,155,271

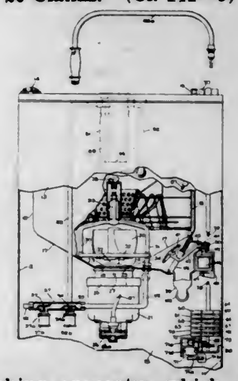
WASHING APPARATUS

Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 26, 1934, Serial No. 722,420

Renewed August 18, 1938

20 Claims. (Cl. 141—9)



1. In washing apparatus which can perform a series of operations in a washing cycle and in which the operation being performed is determined by the position of a control member, power means for moving said control member, manual means for moving said control member independently of said power means, means operated by said control member to make said power means operative when said control member is in one part of its range of movement and inoperative when in another part, each of said parts of the range of movement of said control member including different positions in which said apparatus is caused to perform different ones of said series of operations.

4. In dishwashing apparatus provided with a vat, a fluid supply conduit communicating with the vat, a valve controlling the conduit, and a drain valve for the vat, control means for said apparatus comprising electroresponsive means controlling the operation of said fluid supply and drain valves, switches controlling the energization of said electroresponsive means, cams arranged to operate said switches, a manually operable control member for operating said cams selectively to each of a plurality of controlling positions when said control member is operated through a predetermined range of movement and a motor controlled by said control member when moved beyond said predetermined range of movement for operating said cams automatically to a plurality of successive controlling positions.

2,155,272

DISHWASHING MACHINE

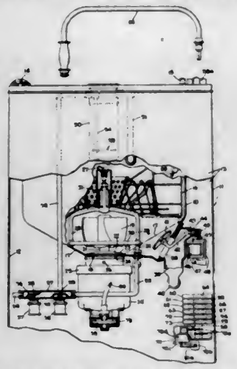
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 28, 1935, Serial No. 13,427

10 Claims. (Cl. 141—9)

1. Dishwashing apparatus comprising a vat, liquid supply and drain valves for said vat, electroresponsive operating means for said valves, switches controlling the energization of said elec-

troresponsive operating means to operate said valves, a motor controlling the operation of said switches, a master switch operable to a predetermined position to control the energization of said



electroresponsive operating means to operate said valves to predetermined controlling positions independently of said motor, and also operable to another predetermined controlling position to effect the operation of said motor to control said switches automatically.

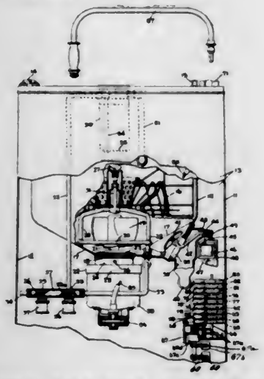
2,155,273

WASHING APPARATUS

Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original application March 28, 1935, Serial No. 13,427. Divided and this application October 5, 1937, Serial No. 167,400

7 Claims. (Cl. 141—9)



1. Dishwashing apparatus comprising a vat, a liquid supply conduit communicating with said vat, a valve controlling said conduit, a drain valve for said vat, switches controlling the operation of said liquid supply and drain valves, a program motor, a shaft driven by said program motor controlling said switches to operate them so as to effect different operating conditions of said valves by operation of said shaft to predetermined angular positions, a plurality of limit switches controlling said program motor operated by said motor and operable to cause said motor to stop when said shaft attains said positions respectively, and a master switch arranged to establish energizing circuits for said program motor through said limit switches respectively when operated to selected controlling positions so as to selectively control the position to which said motor drives said shaft.

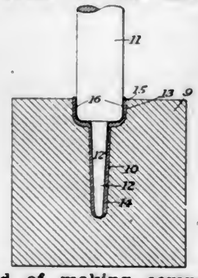
2,155,274

MANUFACTURE OF COMPOSITE METALLIC STRUCTURES

Roland M. Kenah, New Brighton, Pa., assignor to Standard Specialty & Tube Company, New Brighton, Pa., a corporation of New Jersey

Application December 21, 1934, Serial No. 758,563

7 Claims. (Cl. 29—148.2)



1. A method of making composite metallic structures, comprising forming a bimetallic billet comprising a metal backing and a facing of solder, rolling said billet into sheet-like form, blanking therefrom a bimetallic blank of predetermined size and shape, shaping said bimetallic blank to form a part adapted for incorporation in a composite metallic structure with the solder disposed at a predetermined position thereon, assembling said part with another part with the solder in contact with said other part, and melting and then hardening the solder to bond said parts together.

2,155,275

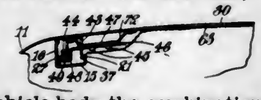
OPENING ROOF FOR VEHICLE BODIES

John King, London, England

Application May 21, 1937, Serial No. 143,896

In Great Britain August 11, 1936

13 Claims. (Cl. 296—137)



1. In a vehicle body the combination of a roof, an opening therein, a water-check tray with a central opening below said roof opening, said tray being connected to said roof around its edges and having upstanding flanges along each side-edge of the opening in the tray, longitudinal guide-members carried by said water-check tray along each side-edge thereof, a sliding panel mounted to slide upon said guide-members and downwardly depending flanges upon said sliding panel spaced inwardly from the side-edges thereof so as to lie adjacent to and vertically overlap the upstanding flanges upon the tray.

2,155,276

QUENCHING CHAMBER FOR ELECTRIC GAS SWITCHES

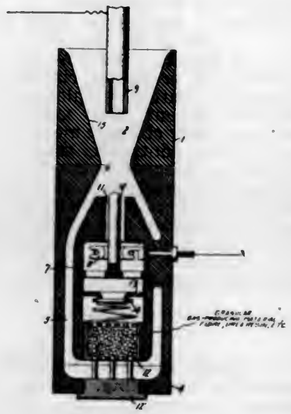
Hubert Korndörfer, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application January 31, 1938, Serial No. 188,011

In Germany May 28, 1936

8 Claims. (Cl. 200—149)

1. An arc-quenching chamber for an electric switch including relatively movable contacts adapted to form a single arc, comprising a material adapted to yield an arc-extinguishing gas when subjected to the arc heat generated upon separation of said contacts, and casing means



for defining a passage leading away from one portion of said arc to said gas-yielding material, and from said material to another portion of said arc.

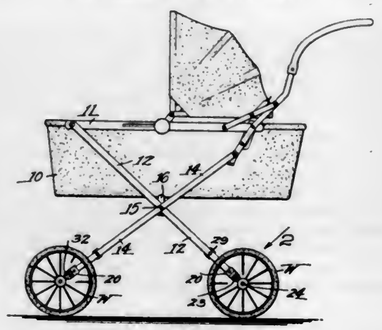
2,155,277

BABY CARRIAGE RUNNING GEAR

Carl H. Kuniholm, Gardner, Mass., assignor to Kuniholm Manufacturing Company, Gardner, Mass., a corporation of Massachusetts

Application February 24, 1937, Serial No. 127,244

1 Claim. (Cl. 280—41)



In a child's vehicle, a structure to be supported, a pair of wheels, an axle for said wheels, said axle having intermediate bearing portions pivotally mounted on said structure and wheel-bearing portions radially offset from said first-named bearing portions, clips to secure said axle to said structure, and means to hold said wheel-bearing portions yieldingly in a predetermined normal angular relation to the adjacent fixed parts of said structure on which said axle is pivoted, said wheel-bearing portions being angularly and yieldably movable in both directions from said normal position on application of a displacing force thereto, and said clips having outwardly extending portions effective as stops to limit angular displacement of said wheel-bearing portions in both instances.

2,155,278

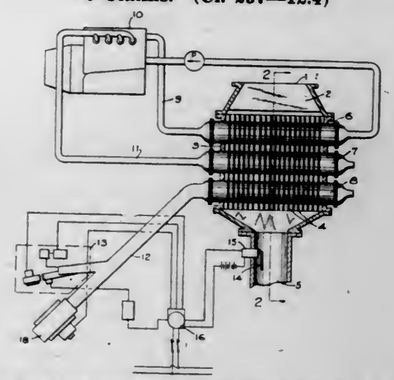
VEHICLE HEATING APPARATUS

Robert Henri Mautsch, Brussels, Belgium, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 21, 1935, Serial No. 27,673

In Belgium June 28, 1934

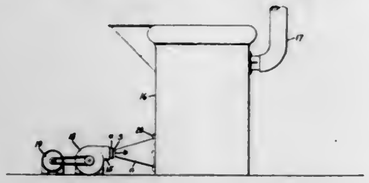
9 Claims. (Cl. 237—12.4)



1. In a heating system, in combination, a water cooled internal combustion engine, a casing having an air inlet and an air outlet through which air is adapted to flow to become heated, a conduit extending through said casing in the path of air flow through said casing and connected at one end to the exhaust of said engine whereby the exhaust gases from the engine are adapted to flow through said conduit and thereby heat said conduit and the air flowing through said casing, another conduit extending through said casing, and connected into the water cooling circuit of said engine whereby water heated by the engine flows through the conduit for heating the air flowing through said casing, a third conduit extending through said casing, means operative to supply a heated medium to said third conduit for heating the air flowing through said casing, and temperature responsive means controlled by the heat of the air discharged from said casing and operative to effect operation of said means upon a deficiency of heat in the discharged air, said conduits being arranged one behind the other between said inlet and outlet with the water heated conduit nearest the said inlet and the conduit heated by the exhaust gases from said engine between the other two conduits.

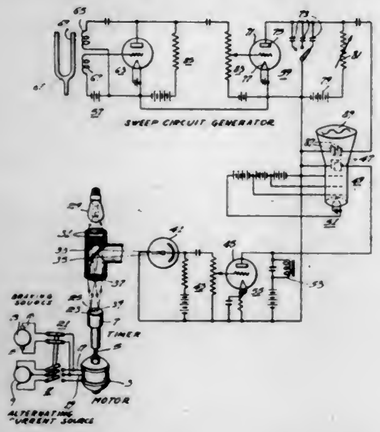
9. In combination, a heat exchanger comprising a casing, through which fluid is adapted to flow from an inlet to an outlet to become heated, a plurality of spaced conduits disposed in said casing in the path of fluid flow so that the fluid contacts first one of said conduits and then another of said conduits, means for supplying to the conduit closest to the inlet of said casing a heat carrying medium of relatively low temperature, means for supplying to a conduit intermediate the end conduits of said plurality a heat carrying medium of a higher temperature, means for supplying to the conduit closest to the outlet a heat carrying medium having a temperature higher than in the conduits on the inlet side thereof, and means controlled by the temperature of fluid at said outlet for controlling the operation of the means for supplying heated medium to the last mentioned conduit and operative automatically to effect the operation thereof for maintaining the temperature of fluid at said outlet substantially constant.

2,155,279
FLUID FLOW CONTROL APPARATUS
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 22, 1935, Serial No. 22,751
5 Claims. (Cl. 110—72)



1. A variable impedance fluid flow control apparatus including in combination a fluid receiving casing, a frustro-conical diffuser duct having its outlet in communication with the interior of said casing and its inlet in the form of a sharp-edged orifice, negative pressure producing means operable for drawing fluid into said casing through said duct, a conduit having a circular round-edged orifice in spaced apart axial alignment with the inlet orifice of said duct, said last orifice having larger area than said inlet orifice, and positive pressure producing means connected with said conduit for discharging a stream of fluid from said second orifice through said inlet orifice into said duct.

2,155,280
ELECTRIC DISCHARGE APPARATUS
Stanley J. Mikina, Wilkinsburg, Kirk A. Oplinger, Verona, William O. Osbon, Swissvale, and Stephen Sentipal, East McKeesport, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 3, 1938, Serial No. 205,868
12 Claims. (Cl. 172—245)

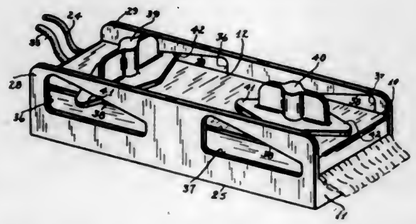


5. For use with an element in motion which is located in a body that is itself in motion, the combination comprising means for causing said element to emit a beam of radiant energy in the various positions that it assumes as said body moves, means for causing said beam to vary in accordance with the motion of said element and means responsive to said varying beam.

2,155,281
PREPARATION OF CHLORINE MONOXIDE
Irving E. Muskat, Akron, and George H. Cady, Wadsworth, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application April 14, 1937, Serial No. 136,802
11 Claims. (Cl. 23—152)

1. A method of preparing chlorine monoxide, which comprises contacting chlorine gas admixed with an inert diluent, with mercuric oxide to form simultaneously chlorine monoxide and basic mercuric chloride, contacting said basic chloride with an alkaline reagent to precipitate mercuric oxide, drying the precipitate at a low temperature whereby the normal activity of the precipitated oxide is retained and contacting the dried precipitate with a mixture of chlorine and an inert fluid diluent to produce a further quantity of chlorine monoxide and basic mercuric chloride.

2,155,282
HAIR WAVING DEVICE
Edward H. Schoenling, Cincinnati, Ohio
Application February 12, 1935, Serial No. 6,220
Renewed June 23, 1938
13 Claims. (Cl. 132—36)



1. In a hair curling device of the class described, the combination of a pair of cooperating stretching and waving plates, each having a solid undulated surface which surfaces are adapted to nest with one another, means coacting to press said plates together in their nesting relation, and clamp members, one at each end of each of said plates, the members at adjacent ends being adapted to cooperate for clamping a strand of hair placed between the plates so that said strand is stretched by the nesting of the plate surfaces, at least one of each two cooperating clamp members being yieldable to provide the requisite clamping effect yet not injure the hair.

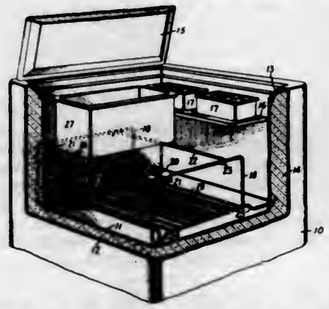
2,155,283
INGOT MOLD
Roman Schustek and Edmund Pakulla, Krefeld, Germany, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany, a corporation of Germany
Application November 25, 1936, Serial No. 112,642
In Germany December 3, 1935
9 Claims. (Cl. 22—142)

2. A mold for casting solid, slab-shaped ingots, comprising a metallic container having at least two vertically extending ingot chambers, and a hollow partition of refractory material of poor heat conductivity disposed between said chambers so as to form only one of the four longitudinal walls of each chamber, the other three walls of each chamber being formed by said metallic container, said partition having lateral openings connecting the interior space of the



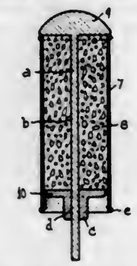
partition with said chambers for the passage of the molten metal.

2,155,284
RACK FOR REFRIGERATOR CABINETS
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1934, Serial No. 741,247
15 Claims. (Cl. 62—89)



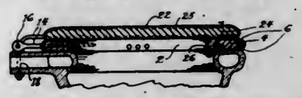
1. A rack for refrigerator cabinets or the like comprising a pair of rectangular side frames, means including a pair of parallel horizontal guides for connecting said side frames at the top thereof, and a food container slidably supported on said guides.

2,155,285
MENSTRUAL APPLIANCE
Sterling J. Wilkerson, Omaha, Nebr.
Application January 21, 1939, Serial No. 252,167
3 Claims. (Cl. 128—285)



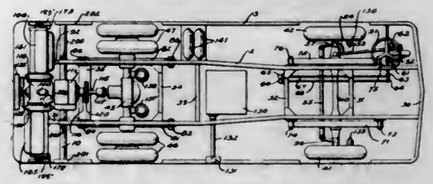
1. A menstrual appliance comprising a cylinder, an expansible absorbent element in compressed condition within the cylinder, a cap covering an end and having a strand traversing the cylinder through the absorbent element, and an apertured disc slidingly mounted on the strand into engagement with the absorbent element, said disc having such a diameter relative to the bore of the cylinder that it will permit a sliding movement and removal of said cylinder from and permit expansion of said absorbent element.

2,155,286
TOILET SEAT AND COVER
Bess Winding, Croton on Hudson, N. Y.
Application July 8, 1937, Serial No. 152,620
12 Claims. (Cl. 4—234)



1. The combination of a toilet seat and cover adapted for use in combination with a toilet bowl to deaden sounds incident to the use of the toilet comprising a seat having a downwardly facing sealing surface formed of resilient cellular rubber with an outer skin substantially impervious to liquids and readily deformable to provide a seal between the seat and the bowl, said cover having a portion thereof formed of resilient cellular rubber adapted to engage the upper surface of the seat, said seat and cover being of such weight in relation to said cellular rubber as to deform the cellular rubber portion thereof to the extent necessary to provide substantially an airtight seal between the toilet bowl and the seat and between the seat and the cover.

2,155,287
VEHICLE
Austin M. Wolf, Plainfield, N. J.
Application September 25, 1935, Serial No. 41,958
9 Claims. (Cl. 180—54)

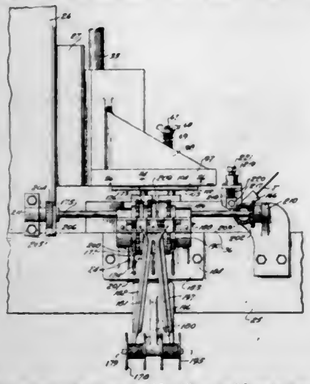


1. In a vehicle, a prime mover to propel same, a transmission, a clutch between said prime mover and said transmission, clutch operating means, accessory driving mechanism between said clutch and transmission, an accessory driven thereby, an interconnecting element between said clutch operating means and said accessory, and means for interrupting the operation of said accessory during clutch operation through said interconnecting element.

2,155,288
BOTTLE CAP MACHINE
George J. Ahles, Rome, N. Y., assignor to Fort Stanwix Manufacturing Co., Inc., Rome, N. Y., a corporation of New York
Application June 1, 1938, Serial No. 211,289
21 Claims. (Cl. 1—2)

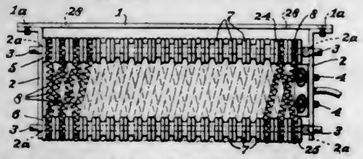
1. In a closure forming means and in combination, a pair of combined staple forming, staple driving and tab cutting heads, means supporting said heads whereby to permit adjustment thereof relative to each other, a single operating member for said heads, means for feeding a pair of tab strips to said heads, means permitting adjustment of said feeding means in accordance with the adjustment of said heads, means for feeding staple forming wire to said heads, and means

permitting adjustment of said latter feeding



means in accordance with the adjustment of said heads.

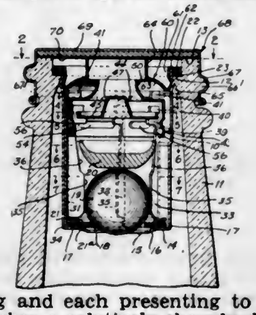
2,155,289
ELECTRIC HEATER
George E. Atkinson and Howard M. Jones, Huntington, W. Va., assignors to Armstrong Products Corporation, Huntington, W. Va., a corporation of West Virginia
Application April 16, 1936, Serial No. 74,762
3 Claims. (Cl. 201—71)



1. In an electric heater assembly, a frame comprising insulators on spaced rods, said rods extending between and received in openings in end bracket members of the frame, said rods being of substantially equal length and extending outwardly beyond said end bracket members providing pin means on said frame for mounting it for rotation, a heating coil having terminal connections at the same end of the assembly and being wound over the insulators on the frame in two winding stretches, each extending from one end of the frame to the other, the insulators on each rod being engaged in alternation by said winding stretches passing thereover, each of said insulators having one winding stretch passing thereover, and the next adjacent insulator having the other winding stretch passing thereover, said insulators supporting said winding stretches in coiled condition providing a continuous coil readily formed by rotation of the frame in winding the coil thereon.

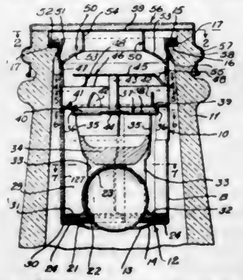
2,155,290
NONREFILLABLE BOTTLE STOPPER
James H. Baldwin, New Milford, and Knud Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y., a corporation of Maryland
Application December 23, 1936, Serial No. 117,396
14 Claims. (Cl. 215—22)

12. A non-refillable bottle stopper construction comprising a casing having a valve seat and a movable valve member coacting therewith, an unbalanced member in said casing for coaction with said valve member, said unbalanced member being unbalanced so that, when the stopper construction is tilted, the unbalanced member is tiltable in a direction to move said valve member toward its valve seat, and means forming a guideway for holding said unbalanced member within said casing and in coacting relationship to said valve member and comprising a plurality of individual parts spaced about the interior of



said casing and each presenting to said unbalanced member a relatively sharply defined edge, to hold said unbalanced member spaced from the walls of said casing and to guide it in its movement relative to said valve member, and means holding said individual parts in assembled relationship to said casing to form said guideway.

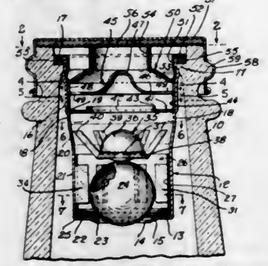
2,155,291
NONREFILLABLE BOTTLE STOPPER
James H. Baldwin, New Milford, and Knud Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y., a corporation of Maryland
Application December 23, 1936, Serial No. 117,397
12 Claims. (Cl. 215—22)



6. A non-refillable bottle stopper construction comprising a casing having a valve opening in its bottom and a valve coacting therewith, a weight member coacting with said valve and passage-forming baffle means for blocking mechanical access to said weight member and valve while permitting flow of liquid through its passages and comprising two parts spaced axially of said casing and substantially closing off the latter excepting for means forming passages adjacent the peripheries of said parts, with baffle means between said two parts of an extent to prevent substantially straight-line access through the passages in said two parts to the space occupied by said weight member and valve, said baffle means being freely movable in the space between said two spaced parts whereby under the action of its own weight on the pressure of liquid flowing through said passages it moves toward one part or the other depending upon the tilting of the stopper construction, there being means for preventing said baffle means from closing off the passages in the outer of said

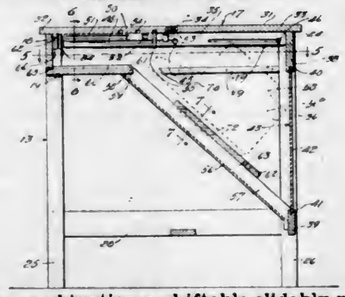
spaced parts when the tilt of the stopper construction is such as to permit flow of liquid in a direction outward of said valve opening.

2,155,292
NONREFILLABLE BOTTLE STOPPER
James H. Baldwin, New Milford, and Knud Knudsen, Danbury, Conn., assignors to Container Fitments, Inc., New York, N. Y., a corporation of Maryland
Application December 23, 1936, Serial No. 117,398
5 Claims. (Cl. 215—22)



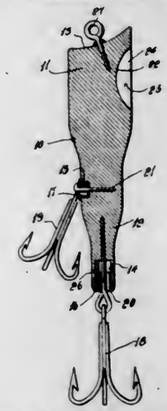
5. A non-refillable bottle stopper construction comprising a casing having a lower substantially cylindrical section having a valve opening in its bottom and merging at its upper end into a substantially frusto-conical section, valve means coacting with said valve opening, means inserted and supported in said cylindrical section and having a plurality of inwardly extending parts forming a guideway for guiding said valve means in the direction of the axis of said casing and toward or away from the space within said frusto-conical section, passage-forming baffle means secured to and closing off the upper end of said casing, and a gravity-actuated device interposed between said valve means and said baffle means and having portions for engagement with the inside wall of said frusto-conical section to effect certain sliding and tilting movement thereof when said stopper construction is tilted, said portions of said gravity-actuated device comprising a plurality of outwardly extending arms the ends of which are relatively sharply defined for contact with the inside casing wall and said baffle means including a part extending generally transversely of said casing and having an outer substantially annular unbroken area exposed to be engaged by one or more of said arms according to the tilt or position of said gravity-actuated device.

2,155,293
TYPEWRITER DESK
Bernhard Bargen, Bethel College, Kans.
Application February 10, 1938, Serial No. 189,873
4 Claims. (Cl. 312—29)



2. In combination a shiftable slidably mounted typewriter carrier, a typewriter desk structure including parts providing respectively an open top typewriter compartment for normally receiving said carrier, a shiftable closure for and arranged over and spaced from the open top of the compartment and a horizontally disposed fixed support extending forwardly from and having its rear end arranged over the top of the front of the said compartment, said compartment being formed with an upwardly inclined front wall provided lengthwise of its inner face with means to form alternately disposed tracks and guides, said support having its upper face provided with means to form alternately disposed tracks and guides forming respectively continuations of the upper ends of the tracks and guides on said wall, said carrier being adapted for removal from and for insertion into said compartment and provided with means travelling in said guides and on said tracks when the carrier is removed from and inserted into said compartment, the rear end of said fixed support having a cutout centrally thereof to provide a clearance, and sidewise aligned spaced horizontally disposed strips for supporting the carrier when it is removed from within the compartment, said strips being disposed in the open top of the compartment, rearwardly of and spaced from said fixed support and having their upper faces aligned with the upper faces of the tracks on said fixed support.

2,155,294
FISHING LURE
William C. Barnett, Detroit, Mich.
Application April 28, 1937, Serial No. 139,609
7 Claims. (Cl. 43—46)



1. A device of the class described comprising a tapered buoyant body portion, and hooks secured to the body and acting to hold the device normally in a vertical position, and the head portion of said body being provided with an arcuate recess forming a vacuum cup.

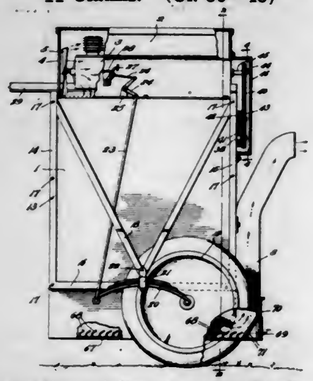
2,155,295
AIRPORT LIGHTING SYSTEM
John B. Bartow, Blue Bell, Pa., assignor to Bartow Beacons Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1935, Serial No. 12,281
18 Claims. (Cl. 240—1.2)



1. A landing and take-off system for aircraft, comprising a runway, a row of spaced light pro-

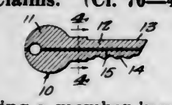
jectors on each side of said runway and defining the same and means for varying the candle power intensity of the light projectors in accordance with existing conditions of atmospheric light transmission, said projectors being adapted to concentrate light over a generally vertical quadrantal area only, facing in the direction of approach of a landing or taking-off aircraft.

2,155,296
COTTON PICKER
Graham W. Bornman, Clarksdale, Miss.
Application March 9, 1938, Serial No. 194,955
11 Claims. (Cl. 56—43)



4. In a cotton picker, a casing having spaced chambers formed with outlets and a tunnel between the chambers, means for removing cotton from plants in the tunnel and delivering the cotton into the chambers including endless carriers and spindles carried thereby, certain of the spindles being relatively long and others relatively short and the short spindles of each endless carrier being disposed in opposed and aligned relation to long spindles of the other carrier, and means for directing air currents through said chambers for carrying cotton to the outlets of the chambers.

2,155,297
KEY
Arvel A. Brill, Ferndale, Mich.
Application September 20, 1937, Serial No. 164,777
5 Claims. (Cl. 70—405)



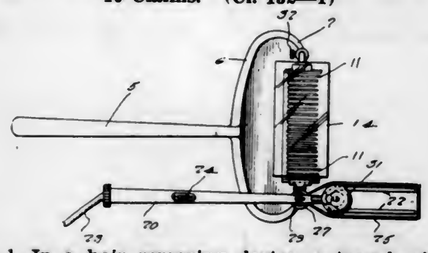
1. A key having a member incorporated therein and of a sufficient strength for maintaining broken parts of the key in connected condition for withdrawal from a lock upon breakage.

2,155,298
KEY
Arvel A. Brill, Ferndale, Mich.
Application January 22, 1938, Serial No. 186,449
3 Claims. (Cl. 70—405)



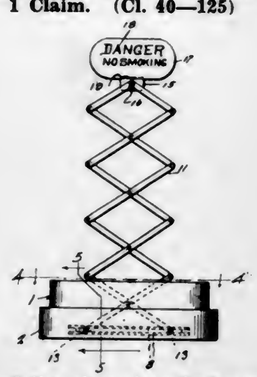
1. A key having a latticed member embedded therein and of a sufficient strength for maintaining broken parts of said key in connected condition for withdrawal from a lock upon breakage.

2,155,299
HAIR REMOVER DEVICE
Grace Annette Broyles, Kenosha, Wis.
Application October 25, 1938, Serial No. 236,967
10 Claims. (Cl. 132—1)



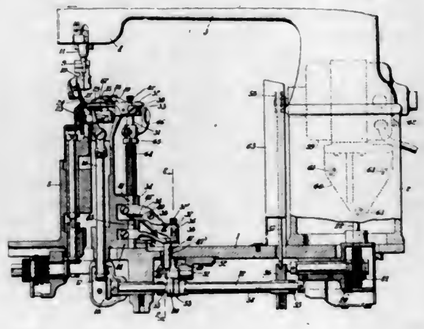
1. In a hair removing device, a tray having teeth at its front edge, a handle connected with the rear edge, a second handle, singeing means at the front end of the second handle and means for movably connecting the second handle to an end portion of the tray whereby said second handle can be moved from a position paralleling the first handle to a position which places the singeing means over the toothed portion of the tray and then downwardly into contact with the toothed portion of the tray.

2,155,300
COLLAPSIBLE SIGN
Robert Lee Bybee, Horseshoe Bend, Idaho
Application July 7, 1938, Serial No. 218,026
1 Claim. (Cl. 40—125)



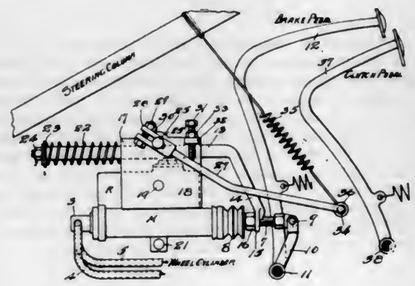
A device of the class described comprising a base having a chamber therein open at the top and bottom thereof, a pair of lazy tongs, means to mount said tongs in said chamber in laterally spaced relation for extension and retraction out of and into said chamber comprising a plate secured to the under face of said base and closing the bottom of the chamber, a pair of guides secured to said plate in said chamber at opposite sides thereof, respectively, a pair of rod-like rollers extending through corresponding ends of said tongs and into said guides, a sign bearing panel, and means pivotally mounting said panel on the other ends of said tongs for swinging movement of the panel into and from an inverted position between said tongs, said plate being removable to detach the same together with the lazy tongs and said panel as a unit.

2,155,301
TRIMMING MECHANISM FOR SEWING MACHINES
Frederic M. Card, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 17, 1938, Serial No. 190,918
5 Claims. (Cl. 112—127)



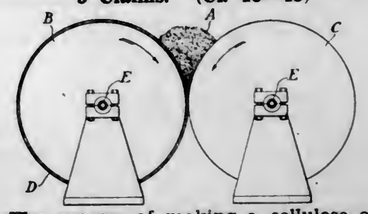
1. In a sewing machine, a reciprocatory needle, a loop-taker complemental to said needle in the formation of stitches, a rotary loop-taker actuating shaft, means for rotating said loop-taker actuating shaft, a trimmer-knife having effective work-severing movements adjacent said needle, a tubular trimmer-knife actuating shaft rotatably journaled upon said loop-taker actuating shaft, connections for actuating said knife upon rotation of said trimmer-knife actuating shaft, and means for rotating said trimmer-knife actuating shaft.

2,155,302
HYDRAULIC BRAKING SYSTEM
Douglas Collins, Salisbury, N. C.
Application August 6, 1936, Serial No. 94,712
18 Claims. (Cl. 192—13)



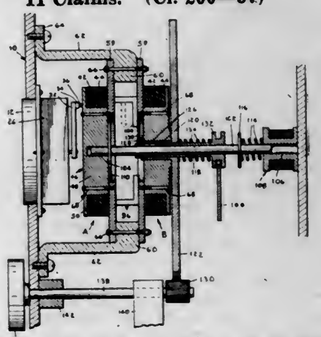
1. The combination with an automative vehicle and its hydraulic braking system including a master cylinder and connections to the wheel cylinders, of an actuating member for the master cylinder, a separate follower for said member, separate automatic means for activating the follower, a clutch-pedal-operated means for preventing retroaction of the master cylinder actuating member, and automatic means to permit retroaction of the actuating member to release the brake in response to movement of the clutch pedal in clutch engaging direction.

2,155,303
PROCESS FOR PREPARING PLASTICS
Frederick R. Conklin, Kingsport, Tenn., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application July 18, 1936, Serial No. 91,370
5 Claims. (Cl. 18—48)



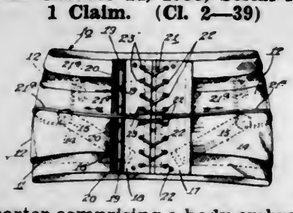
1. The process of making a cellulose organic acid ester molding composition which comprises mixing at atmospheric temperature a quantity of a plasticizer with a quantity of a cellulose organic acid ester containing more than approximately .5% moisture, the acid radicals of which ester contain from two to four carbon atoms, in the absence of any substantial quantity of volatile solvents, colloidizing the mixture by transferring it to and working it between rolls, at least one of which is maintained at a temperature above 212° F. but below the decomposition temperature of the cellulose ester, and continuing said rolling operation until the moisture content of the molding composition is below approximately .5%.

2,155,304
RADIO TUNING APPARATUS
George H. Corey, New York, N. Y., assignor, by direct and mesne assignments, of forty-five per cent to Edmund Mantell, New York, N. Y., and ten per cent to Levisohn Niner & Levisohn, New York, N. Y., a firm composed of Samuel Levisohn, Isidor Niner, and Edwin Levisohn
Application November 3, 1937, Serial No. 172,530
11 Claims. (Cl. 200—37)



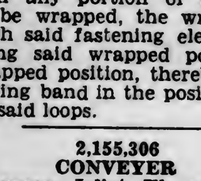
10. In a control system of the class described, a support, a plurality of annular metal members arranged co-axially on said support in spaced relation and insulated from each other, said members having internal radial projections spaced from each other in relation to time, stationary contact members mounted on said support in spaced relation as to time, each of said stationary contact members extending transversely of said annular members and spaced from said projections, and movable contact members for connecting said stationary contact members individually with a selected projection, and time controlled rotary means for making an electrical connection with said stationary contact members.

2,155,305
ADJUSTING AND FASTENING MEANS FOR CORSETS, GIRDLES, AND THE LIKE
Howard P. Corsa, Bala Cynwyd, Pa.
Application October 14, 1938, Serial No. 235,077
1 Claim. (Cl. 2—39)



A supporter comprising a body embracing band having adjacent end portions each provided with a row of eyelets and arranged to overlie the body of the wearer, an endless lace passed between and through corresponding eyelets in said end portions so as to form a loop extending outwardly through an adjacent pair of eyelets in each end portion whereby said end portions may be pulled together and adjusted to tighten said band to the desired degree by drawing said loops laterally about the band toward the front thereof, and spaced button-like fastening elements secured to the outer surface of said band at opposite sides of the front center thereof and beneath which any portion of said loops are adapted to be wrapped, the wrapping of said loops beneath said fastening elements frictionally retaining said wrapped portions of said loops in wrapped position, thereby securing the body embracing band in the position into which adjusted by said loops.

2,155,306
CONVEYER
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application June 9, 1937, Serial No. 147,167
7 Claims. (Cl. 198—175)



1. In a conveyer of the character described, a chain of the roller sprocket type comprising link members having overlapping ends secured together by suitable pivot pins, a flight having a portion extending between alternate links and in longitudinal alignment therewith, said portion substantially filling the space between said longitudinally aligned link ends and interlocking therewith in a manner to permit free angular movement of said links and enable the normal co-operation of a sprocket with said chain without increasing the width thereof.

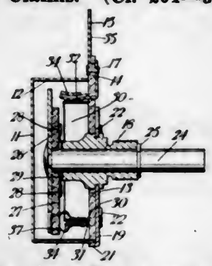
2,155,307
SOLDERING AGENT
Wilhelm Hagemann, Bonn-on-the-Rhine, Germany; Emmy Hagemann, Bonn-on-the-Rhine, Germany, sole heiress of Wilhelm Hagemann, deceased, assignor to Küppers Metallwerk Kom.-Ges. Bonn.
No Drawing. Application October 31, 1936, Serial No. 108,679. In Germany November 2, 1935
4 Claims. (Cl. 148—25)

1. A soldering composition for the soft soldering of aluminum comprising a complex compound containing tin and a halide of a hydrogen-rich amine base, said complex compound being adapted to split off the halogen as tin halide during the soldering procedure.

2,155,308
PRESERVING CRAB MEAT
Sterling G. Harris, Centerville, Md., assignor to The Blue Channel Corporation, Centerville, Md., a corporation of Maryland
No Drawing. Application October 4, 1938, Serial No. 233,195
8 Claims. (Cl. 99—188)

8. In a process for canning meat of the Atlantic crab involving the cooking thereof, the improvement which comprises preventing the contamination of the meat by cooper compounds by subjecting the fresh crab to a relatively moderate preliminary heat treatment to weaken the tissues by which the portions comprising the carapace, gills and loosely adhering body tissues of the body cavity are attached to the crab, said portions being those in which the major part of the copper content of the crab are contained, and removing said copper-containing portions from the crab prior to cooking the meat thereof substantially.

2,155,309
RHEOSTAT
Alec Oliver Henton and Arthur Francis Drewett, London, England, assignors to Erie Resistor Limited, London, England
Application August 5, 1938, Serial No. 223,346
In Great Britain January 22, 1937
4 Claims. (Cl. 201—55)



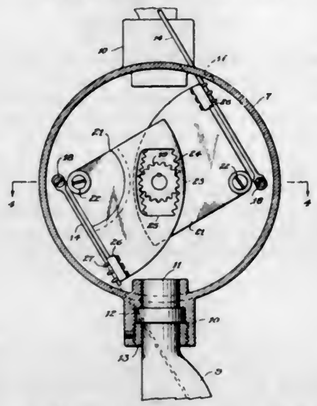
1. A rheostat including a resistance strip of part-tubular shape, a similarly-shaped concentric conducting strip disposed adjacent thereto and externally thereof, said conducting strip being substantially arcuate in cross-section, insulating means interposed between said strips, conductor supports for said strips near their free ends, and a spring contact adapted to bridge said strips and rotatably mounted to be movable therealong, one arm of said contact engaging the outer periphery of said conducting strip and another engaging the inner periphery of said resistance strip.

2,155,310
NAIL MAKING MACHINE
José de Jesús Hernández, Guadalajara, Mexico
Application March 28, 1938, Serial No. 198,590
In Mexico February 28, 1938
3 Claims. (Cl. 140—130)



1. In a machine as set forth, a reciprocating pulling member comprising a base plate, an upstanding flange at each end of said base plate provided with a plurality of spaced apart guide openings, a pair of upstanding lugs integral with said base plate, a fixed jaw member engaging one side of each lug, a right angularly disposed clamping plate engaging a jew member and another side of a lug, means removably securing said plate on a lug, each jaw member being disposed with the gripping face thereof aligning with a guide opening, a pair of bell cranks, means rockably securing said bell cranks to said base plate, a movable jaw member carried by one arm of each bell crank in a position confronting a fixed jaw member, means removably securing a movable jaw member in said one arm of a bell crank, a pair of cylinders carried by said base plate, a plunger slidable in each cylinder engageable with the other arm of a bell crank, each of said plungers having a reduced portion, a spring engaging about said reduced portion, and a nut engaging in an end of a cylinder and against an end of said spring whereby to tension said plunger.

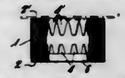
2,155,311
VARIABLE PITCH PROPELLER
Percy Horrocks, Hyde Park, N. Y.
Application June 26, 1936, Serial No. 87,500
3 Claims. (Cl. 170—163)



1. A variable pitch propeller comprising in combination, a propeller hub, a series of blades extending from said hub and rotatably mounted therein, a pull rod for each of said blades connected to an eccentric point thereof, said pull rods converging to said hub and actuating means associated with said hub for tensioning said pull rods so as to rotate said blades, said actuating means comprising a rotary pinion gear and a series of sector gears in mesh with said pinion gears, each of said sector gears being operatively connected to one of said pull rods for tensioning the same so as to rotate said blades.

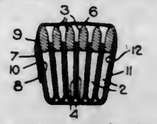
2,155,312
TREATMENT OF ARTIFICIAL SILK PACKAGES
Dirk Houtzaager, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application July 27, 1937, Serial No. 156,002
In Germany August 4, 1936
3 Claims. (Cl. 18—8)

1. An apparatus for protecting artificial silk cakes comprising a cover member for each of the opposing faces of the cake, said cover members having radial slits therein forming flaps substantially equal to the length of the interior radius of said cake and a fluid-permeable sleeve adapted



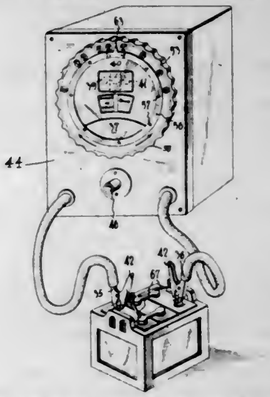
to maintain the flaps in position against the inner wall of the cake, said sleeve being of substantially the same height as the cake.

2,155,313
COMB PACKAGE
Samuel B. Jackson, Shawsheen Village, Mass., assignor to The Bolta Company, Lawrence, Mass., a corporation of Massachusetts
Application March 22, 1937, Serial No. 132,246
5 Claims. (Cl. 206—46)



5. As an article of manufacture, a comb package comprising a sheet of material folded in zigzag fashion to provide a series of V-shaped compartments of less depth than the width of a comb to be contained therein, the folds between adjacent combs being of sufficient thickness to prevent the exposed portions of adjacent combs from engaging each other, a comb in each compartment, relatively narrow binders of flexible material located in proximity to the ends of said sheet extending around said compartments and the backs of the combs projecting therefrom compressing said compartments and having their ends secured to the portion of a sheet forming the outer wall of one of the end compartments.

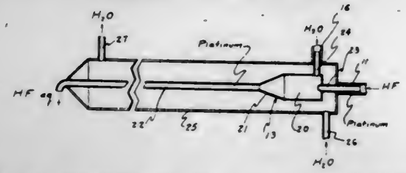
2,155,314
BATTERY TESTER
John H. Kolseth, Newark, N. J., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application December 15, 1937, Serial No. 180,037
7 Claims. (Cl. 175—183)



1. In a battery tester, supporting means, a voltmeter mounted on said supporting means, a dial member rotatably mounted on the supporting means and operatively associated with said voltmeter, said dial member being calibrated to indicate the plate sizes of the battery to be tested, a plurality of yieldable contacts arranged

in spaced relation on the supporting means in close proximity to the dial member, an arcuate shaped resistor carried by said dial member and adapted to engage said contacts, and connecting means extending between one of said contacts and said voltmeter whereby the value of resistance associated with the voltmeter may be changed by turning said dial member.

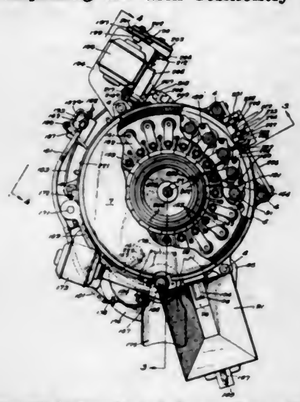
2,155,315
APPARATUS FOR MAKING AQUEOUS HYDROFLUORIC ACID
Harry C. Kremers, Cleveland Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application March 7, 1938, Serial No. 194,237
3 Claims. (Cl. 23—272.1)



1. In combination with means for supplying water under a substantially constant pressure and a container for compressed anhydrous hydrofluoric acid, a mixing and cooling tube having its inner surface at least composed of material resistant to aqueous hydrofluoric acid and comprising a mixing portion having a water inlet and a nozzle for introduction of anhydrous hydrofluoric acid projecting thereinto and a reduced elongated delivery portion adapted to promote rapid cooling, conduit means connecting the water supply means to said water inlet, a valve in said conduit means, a pressure gauge associated with said conduit means between said valve and said water inlet, a second conduit means connecting said container with said nozzle, a valve in said second conduit, a pressure gauge associated with said second conduit between said container and said nozzle and means comprising a jacket enclosing said mixing and cooling tube for circulating a cooling fluid in contact with the exterior thereof to carry away the heat of dilution.

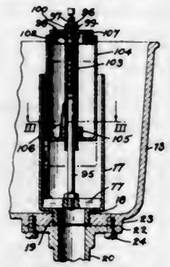
2,155,316
MACHINE FOR MOLDING PLASTIC MATERIALS
John Lauterbach, Philadelphia, Pa., assignor, by mesne assignments, to Lauterbach Corporation, Toledo, Ohio, a corporation of Delaware
Application August 18, 1936, Serial No. 96,661
8 Claims. (Cl. 18—20)

4. In a molding machine, the combination with a mobile die block, of relatively movable coacting male and female die elements carried by said block, means for effecting a continuous movement of said block carrying the die elements over a predetermined cyclic path, means for relatively moving the die elements in synchronism with the movement of the block to periodically bring together and separate said elements, means operative intermittently and in synchronism with said last-named means for depositing in the female die element at a given position in its cyclic path a measured quantity of a molding composition, said male element being formed so that an article molded between the die elements will adhere to the male element when said elements are separated, and means for automatically stripping the molded article from the male die element at another position in said path, said stripping means comprising a rotary element positioned with its periphery adjacent the path of said male element so as to engage a molded article adhering to the latter element and to effect a rotary movement of said article with respect to the male element, and means operative upon the molded article in advance of said rotary element for twisting and thereby loosening the molded article with respect to and on the male die element, said last-named means comprising an arm resiliently mounted



for movement toward and from the path of said male die element, a pawl element pivotally mounted on said arm and projecting into the path of said male die element and adapted to engage the molded article carried thereby, resilient means tending to hold the pawl in the path of said molded article, said pawl being adapted to be turned on its pivot against the pressure of said spring by movement of the molded article with the die and to thereby exert upon said article a turning force loosening the article on the die.

2,155,317
MEASURING CUP
Joseph L. Lawrence, San Francisco, Calif., assignor to Walter King, San Francisco, Calif.
Application July 30, 1935, Serial No. 33,864
7 Claims. (Cl. 73—165)

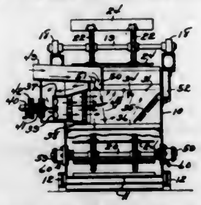


1. In a bottle filling device, a measuring cup having a filling and discharge opening in the bottom thereof, a post seated in said cup, said post having a series of relieved portions at its upper end to form a scale, a rotatable member on said post adapted to engage said relieved portions, said rotatable member supporting a sleeve for said post, and a cylindrical displacement member carried by said sleeve and engaging threads on the latter, said rotatable and displacement members co-acting to determine the capacity of said cup.

2,155,318
PROCESSES FOR THE DEACIDIFICATION OF LIQUIDS, ESPECIALLY WATER
Otto Liebknecht, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 24, 1936, Serial No. 92,464. In Germany July 27, 1935
13 Claims. (Cl. 210—23)

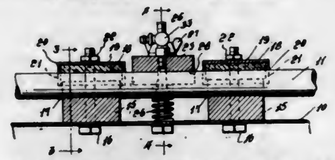
1. The process for removing salts from industrial water, especially boiler feed water, which comprises filtering the saline water through a hydrogen exchange material and then filtering the acid filtrate through a metal oxide gel charged with hydroxyl ions by treatment of the gel with alkali.

2,155,319
MINERAL CLASSIFIER MACHINE
Clifton W. Livingston, Baguio, P. I.
Application January 25, 1938, Serial No. 186,903
6 Claims. (Cl. 209—157)



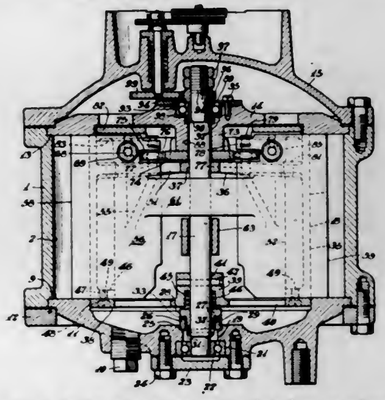
1. A machine of the kind described comprising a tank open at its top and varying in depth in a longitudinal direction from one end to the other thereof, vertical walls disposed transversely of the tank, spaced from the bottom and extending only to the liquid level for partitioning the deeper portion of said tank and dividing it into a plurality of sorting and washing zones, one of the partitions being arranged for effecting a vertical columnar sorting area, a conveyor working within the tank and having a vertical stretch within one sorting zone and an inclined stretch corresponding to the variation in depth of said tank, a feed launder having a downwardly elbowed inner end forming a discharge spout for directing material downwardly in said sorting columnar area, a funnel carried laterally into the tank below the launder and confronting the downward feed of the elbowed inner end of said launder, a deflector within the columnar area in the path of said funnel and inclined in the direction thereof, baffles within said funnel and at the discharge side thereof, and a propeller working within the funnel for sending fluid in the direction of the baffles.

2,155,320
STABILIZER
Floyd F. Mains, Jerseyville, Ill.
Application May 12, 1938, Serial No. 207,630
4 Claims. (Cl. 308—26)



1. In a bearing for steering shafts of tractors or the like, a pair of spaced base members adapted to be secured to the upper side of a tractor hood and having grooves in their upper faces forming bearing surfaces to support a steering shaft at two points, a yoke having a groove in its underside forming a bearing surface, said yoke being disposed above said shaft and between said base members and being adapted to be slidably mounted on upwardly projecting bolts, and means engaging said bolts and the upper side of said yoke to adjustably retain it in engagement with the shaft to form a three point bearing support for the shaft to eliminate vibration.

2,155,321
ROTARY METER
Walter H. Marsh, Crafton, and Frank S. Brooks, Edgewood, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1936, Serial No. 78,272
12 Claims. (Cl. 73—259)



1. In a fluid meter, a rotor having a plurality of radial slots therein, a plurality of vanes movable in said slots and confined by said slots against tilting in a plane normal to said slots, a plurality of tracks on said rotor adjacent said slots, friction reducing means on said vanes operating on said tracks and secured to said vanes, said friction reducing means supporting the weight of said vanes, and a member secured to said rotor and having tracks thereon spaced from the tracks on said rotor, said tracks being arranged in opposed relation to engage said friction reducing means and thereby limit tilting of said vanes in a plane parallel to said slots.

2,155,322
GUN PERFORATOR
Ira J. McCullough, Los Angeles, Calif.
Application March 8, 1937, Serial No. 129,624
31 Claims. (Cl. 164—0.5)

1. In a device for perforating well casing in a well, the combination of: walls forming an ignition-charge chamber, adapted to receive an ignition charge; an ignition charge in said chamber; walls forming a firing-charge chamber; a firing charge in said firing-charge chamber; a cylinder having a cylinder bore positioned for communication with said firing-charge chamber; a projectile in said cylinder bore; lighting means for igniting said ignition charge for producing a flame; walls forming an unobstructed space in communication with said firing charge and said ignition charge and closed from communication with the exterior of said device so that when said ignition charge is burned heat and pressure are

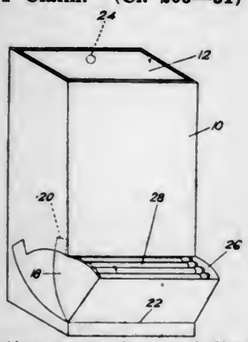
thereby developed in said space; and a replaceable member having formed therein a restraining port connected to said ignition-charge chamber and to said firing-charge chamber whereby said heat and pressure are transmitted to said firing charge for firing the same and propelling said projectile.



2,155,323

DISPENSING CARTON

Will Daniel McDonough, Alhambra, Calif., assignor to Eleanor Williams, Alhambra, Calif.
Application August 24, 1937, Serial No. 160,620
1 Claim. (Cl. 206—31)



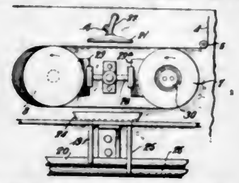
A combination match box and dispenser, comprising an outer open-ended box, an inner tray slidable in the box, and means for forming a dispensing trough from portions of the outer box, said means comprising a series of perforated lines, one line extending across the face of the box, and additional perforations on the sides of the box connected to the perforated line on the face, together with a scored line below and parallel with the perforated line extending across the face of the box, the perforations on the sides of the box outlining tabs which produce stops to limit the extent of the dispensing trough formed.

2,155,324

MANUFACTURE OF ARTIFICIAL SILK

Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 9, 1937, Serial No. 136,014
4 Claims. (Cl. 18—8)

3. An apparatus for the continuous production of rayon thread and the like which comprises a spinning nozzle positioned within a precipitating medium, means for withdrawing a thread therefrom and advancing the same spirally in a horizontal direction which means comprises spaced driven rollers around which the thread is drawn, said rollers having their axes in substantially the same horizontal plane and at an angle



slightly converging toward their outer ends, means for supplying liquid to a portion of the spirally arranged thread passing between the rollers, means for supplying heat to at least one of the rollers, and scrapers positioned between the liquid treating zone and the heating zone for removing liquid from the rollers.

2,155,325

PROCESS FOR REMOVING BISMUTH FROM COPPER OR COPPER-CONTAINING MELTS AND PRODUCTS

Otto Nielsen, Ilsenburg/Harz, Germany, and Erwin Richard Lauber, Rorschach, Switzerland; said Lauber assignor to said Nielsen
No Drawing. Application December 19, 1935, Serial No. 55,296. In Germany December 21, 1934
12 Claims. (Cl. 75—75)

4. In the extraction of copper from its ores and compounds by the blast converter process, the step of adding a sufficient amount of widely distributed and finely divided silicic acid at the start of the blasting, to the copper-containing material, to maintain at all times admixed with the charge, a quantity of said silicic acid sufficient not only to slag the impurities, e. g. iron, but to remove the bismuth as well.

2,155,326

DISPERSIBLE COLOR COMPOSITIONS

Robert J. O'Brien, Belleville, N. J., assignor to Collway Colors, Inc., Paterson, N. J., a corporation of New Jersey
No Drawing. Application December 17, 1936, Serial No. 116,441
6 Claims. (Cl. 8—34)

1. A stable dispersible color powder comprising a coloring agent, a dispersing agent and lactose, each of said ingredients being in a substantially dry or solid state when mixed, said color powder being, in a dry state, non-hygroscopic, non-dusting, non-flocculating, and readily dispersible in water to form a stable reversible colloid.

2,155,327

PHOTOGRAPHIC ALBUM

Alfred Oppermann, Cleveland, Ohio, assignor to Katherine Oppermann, Cleveland, Ohio
Application March 1, 1938, Serial No. 193,250
2 Claims. (Cl. 281—5)



1. A photographic album comprising a cover embodying double-walled front and rear cover

members and a single-walled back, a tongue-like extension at the inside end of the inner wall of the front cover member, a strip of photoprints made of abutting individual prints hingedly connected with each other and folded back upon themselves in a zigzag fashion at their joints, means securing one end of said strip to said tongue-like extension, and means at the other end of said strip securing said other end to said front wall cover adjacent to its tongue-like extension.

2,155,328

CONDENSATION PRODUCTS AND A PROCESS OF PREPARING THEM

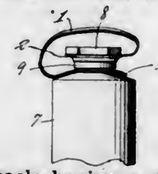
Max Paquin, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 25, 1937, Serial No. 160,932. In Germany July 21, 1934
2 Claims. (Cl. 260—2)

2. The condensation product obtained by reacting one mol of propylene oxide upon one mol of ethylene diamine and subsequently heating the reaction product in the presence of one mol of urea, the product being a water-soluble compound of resinous state.

2,155,329

CAP HOLDER FOR BOTTLES AND PASTE TUBES

Allan J. Perdue, Wayne, Nebr.
Application December 30, 1937, Serial No. 182,572
1 Claim. (Cl. 221—60)

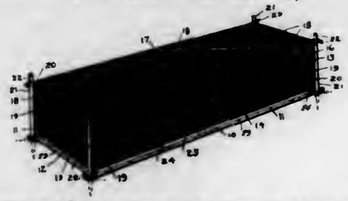


In a receptacle having a discharge neck and a cap adapted to be removably secured over the neck, attaching means for said cap comprising a band of stretchable material having each end enlarged to form a flat tab, each of said tabs having an opening therethrough, one of said tabs being stretched for the reception of said neck and the other tab being stretched over and securing the cap in the opening thereof, the said cap and neck being tightly secured to the tab by the contraction of the same thereabout whereby the cap and neck are held against turning independently of the attached tabs and the said band being of sufficient length to permit the cap to be turned on and for connection with the neck of the receptacle.

2,155,330

HEALTH PROTECTION MEMBER

Martha Pottenger, Chicago, Ill.
Application February 16, 1938, Serial No. 190,811
1 Claim. (Cl. 135—5)

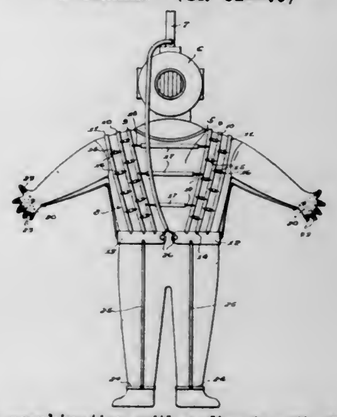


A device of the character described comprising a bottom member of heavy water-proof material, abbreviated side, foot and head portions of water-proof material attached to outer edges of said bottom member, side, foot and head portions of mosquito-proof netting attached at their lower edges to the upper edges of the abbreviated side, foot and head portions, a top member of heavy mosquito-proof netting attached at its outer edges to the upper edges of the side, foot and head portions of the mosquito-proof netting of the water-proof material, a plurality of said abbreviated side, foot and head portions having a continuous opening, and a slide fastener for closing said opening, a plurality of substantially narrow horizontal strips attached to the top member adjacent its outer edges and to the side, foot and head portions of the mosquito-proof netting adjacent their upper edges for reinforcing the attachment of said top member and said side, foot and head portions, a plurality of substantially narrow vertical strips attached to the side edges of said side, foot and head portions, the upper ends of said strips attached to said top member, straps attached to each of said vertical strips adjacent their upper and lower ends, and notched poles positioned in the ground, said straps adapted to be tied to said poles.

2,155,331

SAFETY APPARATUS FOR DIVERS

Stanley P. Sadloski, Cromwell, Conn.
Application December 16, 1938, Serial No. 246,212
4 Claims. (Cl. 61—70)



1. In combination with a diver's suit of insulation, exposed electrical conductors disposed on the suit and high tension current supply means to the conductors.

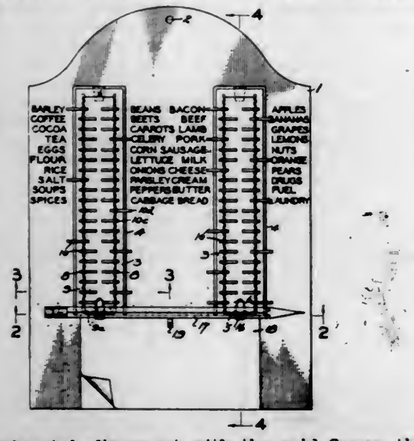
2,155,332

REMINDER CARD

Alois Schuerlein, Detroit, Mich.
Application April 30, 1938, Serial No. 205,155
1 Claim. (Cl. 116—134)

A reminder card comprising a tablet, a carrier plate having its upper and lower extremities inwardly flanged, a tongue integral with each flanged extremity and extending through an opening formed in the tablet, said tongues being flexed rearwardly of the tablet to support the plate thereon, said plate being forwardly flexed from the tablet intermediately of its width throughout its height, said plate having horizontal slots formed therethrough in a vertical row, an apertured indicating finger extending through each slot, and a vertical pivot pin extending between the carrier plate and the tablet and passing

through the finger apertures whereby any finger may be moved pivotally upon the pin towards the name of an article written upon the tablet



in horizontal alignment with the said finger, the lower extremity of the pivot pin resting upon the inwardly flanged lower extremity of the carrier plate.

2,155,333

CAR COUPLER OPERATING ROD

Vinton E. Sisson, Winnetka, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Application March 27, 1937, Serial No. 133,326

3 Claims. (Cl. 213—167)



1. In a railway car having a coupler mounted therein for sidewise and lengthwise service movements, which coupler is provided with a depending part for transmitting operating movements to the coupler lock upon vertical movement thereof in combination with an operating rod having its outer portion slidably supported by a bracket adjacent the side of the car and having its inner portion slidably supported by a lug depending from the coupler head, the inner end of said rod provided with a crank arm having a connection with said depending part to move therewith and providing for universal movement therebetween whereby rotation of the operating rod swings the arm upwardly which raises the depending part of the coupler and operates the coupler in any service position of the coupler.

2,155,334

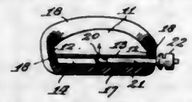
METHOD OF AND APPARATUS FOR TAKING DENTAL IMPRESSIONS

John J. Sitkin and Frederick W. Archer, Los Angeles, Calif.

Application February 13, 1936, Serial No. 63,679

1 Claim. (Cl. 32—17)

A method of taking impressions of teeth and surrounding gum tissues, comprising enclosing at least one tooth with a rigid impression tray having a substantially air tight fit with said tissues, and then forcing an elastic compound in fluid form into said tray under pressure until said tooth and said surrounding gum tissues are completely covered and said compound is forced into



intimate engagement with every exposed surface of said tooth and tissue, permitting said compound to solidify into its normal solid elastic state, and removing the same and said tray from the mouth.

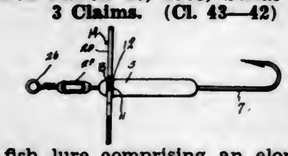
2,155,335

FISH LURE

Ned M. Sleeper and Herbert Vincent Keeling, Lakeport, Calif.

Application March 17, 1938, Serial No. 196,516

3 Claims. (Cl. 43—42)



1. A fish lure comprising an elongated body having an annular groove therein and a normally flat spinner formed of flexible material and having a centrally arranged hole therein, the walls of which fit in the groove for rotatably supporting the spinner on the body, the flexibility of the flat spinner causing it to flex in one direction or the other according to the direction of movement of the body in the water, which causes the spinner to revolve always in the same direction.

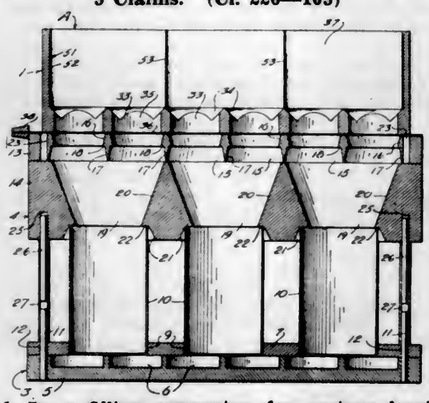
2,155,336

FILLING MACHINE

Daniel Darley Smith, Valdosta, Ga.

Application April 4, 1938, Serial No. 199,995

5 Claims. (Cl. 226—105)



1. In a filling apparatus for cartons having open top and closed bottoms, a combined material receiving and feeding structure formed with a bottom provided with a series of openings for feeding the material therefrom and removable means for normally closing said openings, a stationary base structure provided with sockets for removably receiving the closed lower ends of and for sustaining the cartons to be filled in an upstanding position, a combined material directing and carton positioning structure formed with material directing passages for aligning with said openings and for communication with the cartons, the walls of said passages, intermediate their ends, being provided with annular flat shoulders for seating directly on the edges at the open tops of the cartons, said combined material directing and carton positioning structure for interposing between the other of said structures, means for positioning in the receiving and feeding structure for separating the material into equal portions, each portion for delivery to a carton, and means for removably connecting said structures in superposed relation.

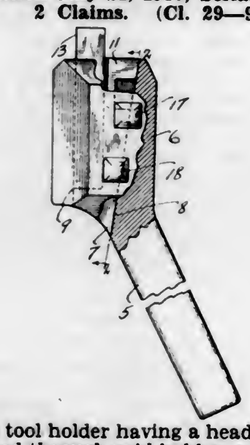
2,155,337

TOOL HOLDER

Siegfried Speckert, South Gate, Calif.

Application July 21, 1937, Serial No. 154,897

2 Claims. (Cl. 29—96)



1. In a tool holder having a head and a tapered slot formed through said holder, a tapered wedge positioned in said slot and adapted to engage a tool positioned in said slot, cam means for moving said wedge longitudinally of said slot, said cam means including a pair of wedge actuating pins having cam surfaces engaging cam surfaces of said wedge.

2,155,338

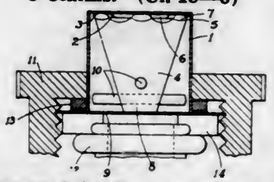
NOZZLE FOR USE IN THE MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, AND THE LIKE

William Henry Stokes, Allesley, near Coventry, England, assignor to Courtaulds, Limited, London, England, a British company

Application December 7, 1937, Serial No. 178,594

In Great Britain December 17, 1936

8 Claims. (Cl. 18—8)



1. An improved jet for use in the production of artificial filaments, threads and the like which comprises a hollow cylindrical jet and loosely inserted therein a piece of resistant material of greater cross-sectional area at one end than the other provided at its larger end with projections to space it apart from the face of the jet and in its side walls at the widest part thereof with passages through which liquid may pass between the insert and the walls of the jet.

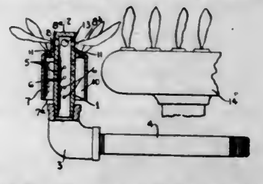
2,155,339

BURNER

Frank A. Stoll, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application September 20, 1935, Serial No. 41,338

7 Claims. (Cl. 158—115)



1. A pilot burner comprising a tubular member for connection to a source of gas supply, a member closed at its upper end and open at its lower end to provide a gas discharge orifice and surrounding a portion of said tubular member, said last-named member having a burner orifice above said lower end, said tubular member having an outlet orifice discharging within said last-named member, said outlet orifice having a greater flow capacity than said burner orifice so that excess gas will issue from said discharge orifice for ignition external of said closed member whereby a flame is maintained for reignition of the gas issuing from said burner orifice.

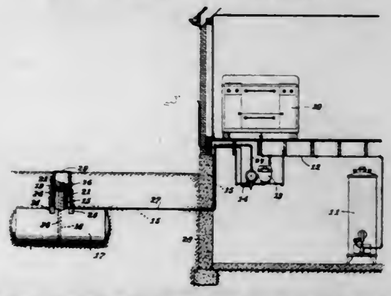
2,155,340

FUEL SUPPLY SYSTEM

Byron B. Stroud, New York, N. Y., assignor to Atlantic States Gas Company, Inc., New York, N. Y., a corporation of Delaware

Application May 2, 1936, Serial No. 77,601

14 Claims. (Cl. 220—85)



1. In combination in a fuel supply system, a tank for retaining a gas under a sufficient pressure to maintain its existence in a liquid state, conduit means opening into the tank below the level of the liquid therein for withdrawing the fuel and conveying it to a point of use, a pressure reducing means in said conduit and adjacent the tank for reducing the pressure of the fuel to an intermediate pressure, and a reducing valve adjacent the point of use and in said conduit for reducing the pressure to a final pressure suitable for use.

2,155,341

SUCTION MOUNTING

Frederick A. Wayne, Detroit, Mich.

Application June 7, 1937, Serial No. 146,793

2 Claims. (Cl. 248—362)

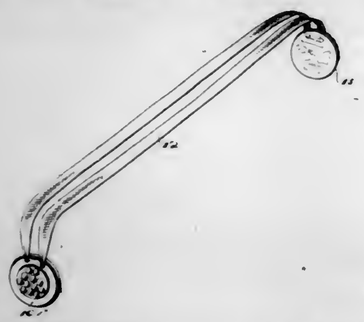
1. A suction mounting comprising a resilient inverted cup the lower annular face of which is adapted to rest upon a surface and maintain a

suction grip thereon, a stepped resilient pad dependingly mounted within the cup and its base being adapted to bear upon said surface, the upper portion of the pad being of smaller perimeter than its lower portion and the upper extremity of the lower portion of the pad around its entire perimeter lying adjacent the interior of the cup, whereby an upper air space is formed



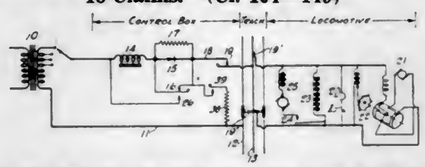
around the upper pad portion and a lower air space around the lower pad portion, said cup and the lower portion of the pad being adapted to be pressed together around the entire pad perimeter by sudden downward pressure exerted upon the mounting whereby the underside of the upper air space is closed and complete collapse of the cup is prevented, and means on the upper side of the cup to receive an article to be supported.

2,155,342
SIGNAL DEVICE
Wallace J. Wolf, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York
Application June 24, 1937, Serial No. 150,192
2 Claims. (Cl. 88—80)



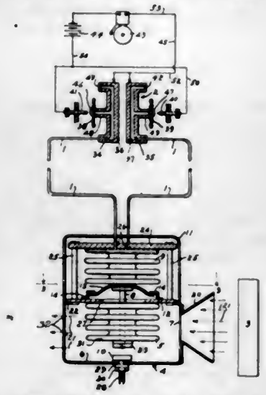
1. A signal device comprising a pair of signal supporting elements, a pair of reflective signal disks, each of said supporting elements having a portion at the front face thereof engaging and holding its respective signal disk, and a supporting connection for said elements consisting of an endless flexible strand in the form of a loop adapted to be extended downwardly over the head of the user and draped across the user's shoulders, said supporting connection consisting of a light, flexible material and being also adapted to be carried in the hand and to be effectively reduced in circumference by tying in selective lengths thereof, the said strand being threaded loosely through apertures formed in the said front disk-holding portions of the supporting elements whereby the said elements may be disposed diametrically opposite one another on the loop and will present unobstructed rear surfaces for disposal against the chest and back or upper arms of the user for effective positioning when the user is walking parallel with or at right angles to, vehicular traffic.

2,155,343
REMOTE CONTROL SYSTEM, METHOD, AND APPARATUS
Joseph L. Bonanno, Forest Hills, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application August 31, 1935, Serial No. 38,734
18 Claims. (Cl. 104—149)



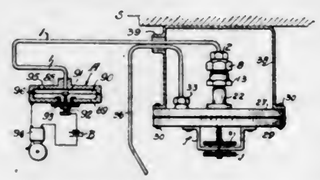
1. A remote control system having a load, an alternating current source of predetermined maximum potential and uniform frequency for operating said load, a relay in shunt with the load, the relay being incapable of operating on said alternating current potential and frequency but operable on a small direct current potential, a resistance shunted rectifier in series with the relay, source, and load, a normally closed shunt about the rectifier whereby a small direct current potential may be introduced into the circuit when the normally closed shunt is opened, the resistance shunted rectifier then having insufficient reactance to interfere with operation of the load, and a translating device whose circuit is controlled by the relay when operated by said direct current source.

2,155,344
TEMPERATURE-RESPONSIVE CONTROL SYSTEM
Frank M. Cowan, Plainfield, N. J., and Francis C. Evans, Dongan Hills, N. Y., assignors to American District Telegraph Company Inc., New York, N. Y., a corporation of New Jersey
Application September 17, 1937, Serial No. 164,286
10 Claims. (Cl. 177—355)



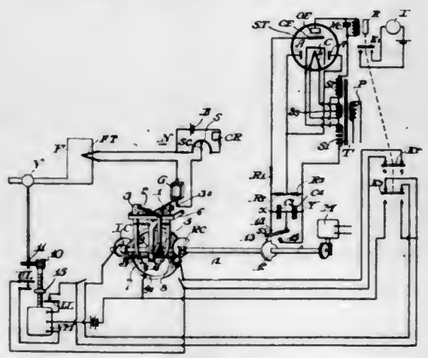
1. In combination, an enclosure, temperature-responsive means arranged to supervise the temperature changes in said enclosure and to operate upon the occurrence of a predetermined rise in temperature therein, means responsive to said temperature-responsive means, heating means in said enclosure affecting the temperature-responsive means when the heating means is turned on and off, and compensating means associated with said temperature-responsive means and arranged to be affected by said heating means in a manner to counterbalance the response of said temperature-responsive means, to substantially eliminate the effect of the heating means thereon, upon a rise in temperature in the enclosure from the operation of the heating means.

2,155,345
AUTOMATIC COMPENSATION MEANS FOR AEROTUBE FIRE ALARM SYSTEMS
Frank M. Cowan, Plainfield, N. J., and Francis C. Evans, Great Kills, N. Y., assignors to American District Telegraph Company, New York, N. Y., a corporation of New Jersey
Application June 22, 1934, Serial No. 731,820
16 Claims. (Cl. 177—355)



14. In a fire detecting system, an enclosure, an aero-tube arranged therein to supervise temperature changes and adapted to operate after a predetermined increase in pressure in said aero-tube system, signal means controlled by said aero-tube, a heat source adjacent said aero-tube system, an air extracting means connected to said aero-tube and means for simultaneously controlling said heat source and air extracting means whereby air will be extracted from said aero-tube when said heat source is active to compensate the pressure changes and thereby prevent a false alarm.

2,155,346
ELECTRICAL MEASURING SYSTEM
Elwood T. Davis, Brookline, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1936, Serial No. 78,611
25 Claims. (Cl. 172—239)



1. In a system for effecting adjustment of means in response to changes in magnitude of a condition, means responsive to changes in magnitude of the condition, relay means through which said responsive means controls said adjustable means, and a supervisory system comprising an electronic tube, supervisory means unaffected by changes in magnitude of said condition and included in the output system of said tube, and means in the input system of said tube responsive to derangement of said relay means to effect operation of said supervisory means.

2,155,347
ALLOY STEELS
Marcus A. Grossmann, Chicago, Ill., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 22, 1936, Serial No. 107,104
2 Claims. (Cl. 75—126)

2. An alloy steel characterized by a high degree of resilience and resistance to shock and fatigue which is composed of the following ingredients within the ranges specified and balanced against each other to produce a shallow hardening steel:

	Per cent
Carbon from	.45 to 1
Manganese from	.40 to 1.25
Chromium	trace to .75
Titanium from	.01 to .10

Remainder iron with traces of impurities.

2,155,348
ALLOY STEELS
Marcus A. Grossmann, Chicago, Ill., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Original application October 22, 1936, Serial No. 107,104. Divided and this application January 26, 1939, Serial No. 253,019
3 Claims. (Cl. 75—123)

1. An alloy steel characterized by a high degree of resilience and resistance to shock and fatigue which is composed of the following ingredients within the ranges specified and balanced against each other to produce a shallow hardening steel:

	Per cent
Carbon, from	.45 to 1
Manganese, from	.40 to 1.25
Titanium, from	.01 to .10

Remainder iron with traces of impurities.

2,155,349
ALLOY STEELS
Walther Mathesius and Marcus A. Grossmann, Chicago, Ill.; said Grossmann assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Original application September 14, 1935, Serial No. 40,655. Divided and this application November 2, 1936, Serial No. 108,899
2 Claims. (Cl. 75—126)

2. An alloy steel characterized by a high degree of resilience and resistance to shock and fatigue which is composed of the following ingredients within the ranges specified and balanced against each other to produce a shallow hardening steel:

	Per cent
Carbon from	.45 to 1
Manganese from	.40 to 1.25
Chromium from	an appreciable amount to .75
Vanadium from	.075 to .20

Remainder iron with traces of impurities.

2,155,350
ALLOY STEELS

Walther Mathesius, Pittsburgh, Pa., and Marcus A. Grossmann, Chicago, Ill.; said Grossmann assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 2, 1936, Serial No. 108,899, which is a division of application Serial No. 40,655, September 14, 1935. Divided and this application January 26, 1939, Serial No. 253,010

3 Claims. (Cl. 75—123)

1. An alloy steel characterized by a high degree of resilience and resistance to shock and fatigue which is composed of the following ingredients within the ranges specified and balanced against each other to produce a shallow hardening steel:

	Per cent
Carbon, from	.45 to 1
Manganese, from	.40 to 1.25
Vanadium, from	.075 to .20

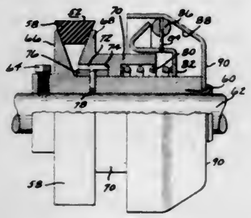
Remainder iron with traces of impurities.

2,155,351
REFRIGERATING APPARATUS

Charles L. Paulus, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 30, 1936, Serial No. 77,235

5 Claims. (Cl. 74—230.17)



1. In combination, a driving device, a driven device, pulley and belt means providing a driving means between said devices, one of said pulleys being of the V-belt type and having a movable flange portion, said pulley being provided with a combined speed and torque responsive means for shifting said movable flange portion to control the effective pulley diameter, said combination being provided with an automatic belt tightening device for changing the distance between the axes of the pulleys of the pulley and belt means.

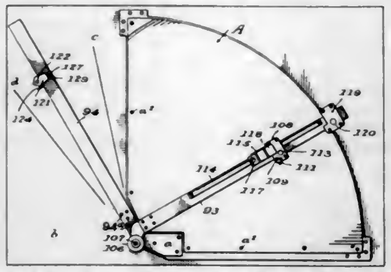
2,155,352
MEASURING INSTRUMENT

Eli J. Yarter, Staten Island, N. Y.; Elizabeth Yarter administratrix of said Eli J. Yarter, deceased

Application October 16, 1937, Serial No. 169,476

17 Claims. (Cl. 33—76)

17. In a measuring instrument, the combination of a plate bearing a series of curves and a basic straight line spaced from each other equal chord distances throughout all radius distances from a central point lying within a continuation of the basic straight line, the locus or path of the first of the series of curves next to the basic straight line being formed by the upper end of a chord of fixed length moving outwardly from some point near said central point with its lower end terminating continuously in and moving along the basic straight line, the radial distance of the upper end of said outwardly moving chord from said central point being always the same as that of the radial distance of the lower end of said chord from said point, and each of the other curves of the series in succession being similarly derived from its predecessor, and correlated indicating instrumentalities pivotally connected with said plate at said central point for independent preliminary positioning with reference to said plate and means for fixing said correlated instrumentalities together for movement as an entity with reference to said plate.

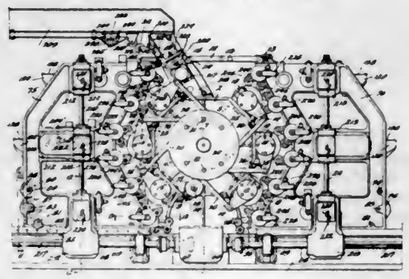


2,155,353
MULTICOLOR PRINTING PRESS

True M. Avery, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Application December 12, 1936, Serial No. 115,622

16 Claims. (Cl. 101—182)



1. In a multi-color printing press, the combination of an impression roller around which a web to be printed is adapted to pass, a plurality of printing cylinders common to and cooperative with the impression roller to print such web, one or more of the printing cylinders being capable of being rendered inoperative upon the web, a source of supply for the web, and means driven continuously with the impression roller for drawing the web from its source of supply and feeding it to the impression roller in conformity with the surface speed thereof independently of the action of the printing cylinders on the web.

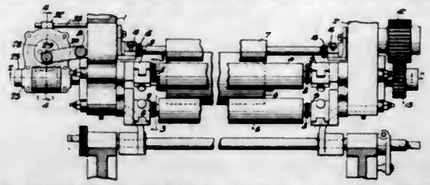
2,155,354
INKING MECHANISM FOR PRINTING PRESSES

True M. Avery, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a corporation of New Jersey

Original application December 12, 1936, Serial No. 115,622. Divided and this application November 1, 1937, Serial No. 172,298

1 Claim. (Cl. 101—349)

In a printing press comprising a frame, and an inking roller having its shaft mounted to rotate and reciprocate axially therein, a worm fixed on the shaft of the inking roller, a casing mounted revolubly but immovably axially on the inking roller shaft, said casing being closed at one side and having an opening in its opposite side, a stud shaft fixed in the closed side of said casing and projecting into said opening, a worm wheel mounted revolubly on said stud shaft and meshing



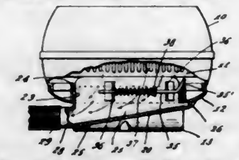
with said worm, said casing wholly enclosing said worm and worm wheel and the worm wheel having a hub extending outwardly through said opening in the casing, a crank fixed to the exterior end of the hub of said worm wheel, a link pivotally connected to said crank and to the frame, and a guide pin fixed to the frame and extending parallel to the inking roller shaft and slidably engaging said casing for guiding it.

2,155,355
DEFROSTER

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application March 1, 1937, Serial No. 128,416

1 Claim. (Cl. 20—40.5)



In a defroster attachment for an automobile heater having a casing provided with an air-discharge opening, a rigid collector adapted to be received in the discharge opening of said heater, said collector being provided at one end with a lip for engagement with one edge of said discharge opening, a member slidable longitudinally of itself in said collector in a plane parallel to that of said opening and having an oblique portion positioned to engage the opposite edge of said discharge opening, yielding means acting between said collector and said member and biasing the latter outwardly, and a flexible conduit connected to said collector.

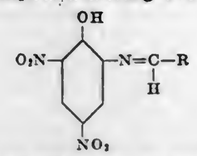
2,155,356
N-SUBSTITUTED-2-AMINO NITRO-PHENOLS

Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 17, 1937, Serial No. 148,735

4 Claims. (Cl. 260—566)

1. A new compound having the formula



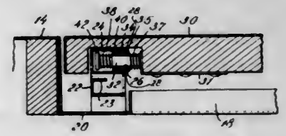
wherein R is the residue of an aldehyde selected from the group consisting of aldehydes of the benzene, lower saturated aliphatic, and phenyl lower aliphatic series.

2,155,357
ROOF PANEL DEVICE

Rudolph W. Creteur, Sunnyside, Long Island, N. Y., assignor to Sunair Auto Top Company, Inc., New York, N. Y., a corporation of New York

Application September 30, 1938, Serial No. 232,605

5 Claims. (Cl. 296—137)



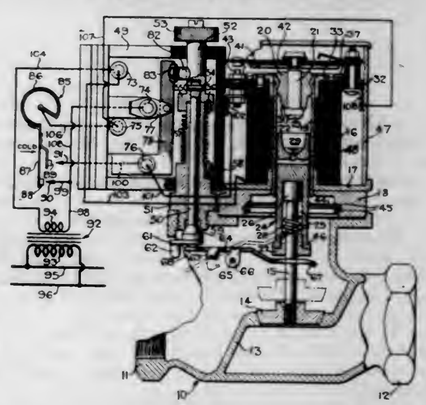
1. Means for supporting and guiding a sliding roof panel for vehicle bodies comprising a member having a slot, a bearing member supported in said slot, one end of said bearing member being attached to said sliding roof panel, the other end of said bearing member being provided with a collar, resilient means between the attached end of the bearing member and the slotted member, said resilient means tending to force the attached end of the bearing member away from the slotted member, and resilient means between the collar end of the bearing member and the slotted member, said resilient means tending to force the collar end of the bearing member away from the slotted member.

2,155,358
FLUID FLOW REGULATOR

Benjamin Cyr, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 8, 1936, Serial No. 58,085

7 Claims. (Cl. 137—139)



1. In combination, a device to be actuated, electromagnetic actuating mechanism therefor comprising a coil and a core movable within said coil, manually controlled means for operating said device comprising a manually rotatable shaft extending parallel to said core, and a lever extending between said shaft and said core, said lever and said shaft having cooperating portions such that rotation of said shaft causes movement of said lever such as to cause movement of said core.

2,155,359
DYESTUFFS OF THE ANTHRAQUINONE SERIES

Ralph N. Lulek, Waukesha, and Clarence F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 30, 1936, Serial No. 103,349
4 Claims. (Cl. 260—330)

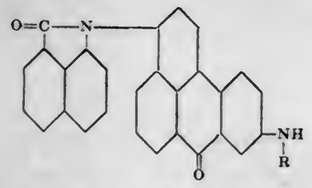
1. The process for producing vat dyestuffs which comprises condensing an aminoanthraquinone compound with a compound of the class consisting of anthraquinone-2,1-thiophene-2'-carbonyl chloride and anthraquinone-2,1-selenophene-2'-carbonyl chloride.

2,155,360
DYESTUFFS OF THE ANTHRAQUINONE SERIES

Ralph N. Lulek, Milwaukee, and Clarence F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1937, Serial No. 181,162
3 Claims. (Cl. 260—274)

1. The dyestuffs obtained by the alkaline condensation of 6-anthraquinonylamino-Bz-1N-benzanthronylnaphthostyrils of the following general formula



wherein R stands for a radical of the anthraquinone class, and which dye cotton from an alkaline hydrosulfite vat in neutral gray shades of good fastness properties.

2,155,361
PECTIN DISPERSION

Philip Bliss Myers, Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware

No Drawing. Application April 15, 1938, Serial No. 202,231
13 Claims. (Cl. 167—68)

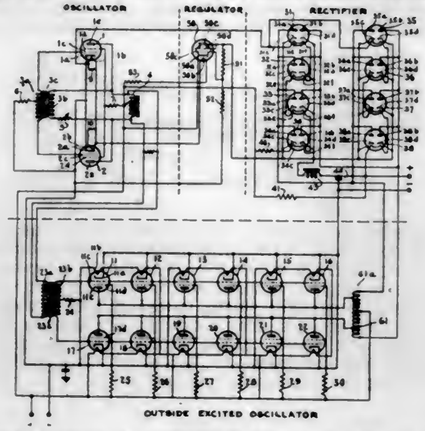
1. The method of rendering pectin readily dispersible in water, fruit juices and the like, which consists in reacting the pectin with a soluble nickel salt used in such proportions relative to the pectin that the amount of nickel present for combination with the pectin will be from one-tenth of one percent to one percent of the total weight of the nickel and pectin so combined.

2,155,362
DIRECT CURRENT VOLTAGE BOOSTER

Louis W. Parker, Woodside, Long Island, N. Y., assignor to C. S. I. Development Corporation, New York, N. Y.

Application October 7, 1937, Serial No. 167,719
13 Claims. (Cl. 171—97)

13. In a direct current voltage booster system of the non-mechanical type, in combination, a vacuum tube oscillator system comprising at least a pair of tubes in push-pull, a feed-back connection from the output of said tubes to the input thereof, an inductance in the input circuit of said tubes, a connection from the midpoint of said inductance to the cathodes of said tubes, said connection including a resistance, and said

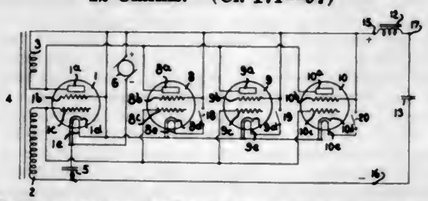


tubes forming a relaxation oscillator generating a substantially square wave form, a rectifier system for rectifying the output of said oscillator, and means for transferring the output of said oscillator to said rectifier while substantially maintaining the square wave form.

2,155,363
DIRECT CURRENT VOLTAGE MULTIPLICATION

Louis W. Parker, Astoria, N. Y., assignor to C. S. I. Development Corporation, New York, N. Y.

Application February 21, 1938, Serial No. 191,770
12 Claims. (Cl. 171—97)



8. In a system for boosting direct current voltage and for supplying a range of power at boosted voltage, in combination, non-resonant oscillating circuit comprising at least one vacuum tube having an anode, a cathode, and a pair of grids, one of said grids being connected through an inductance to said anode and the other being connected through a second inductance that is coupled to said first inductance, and through a capacity element to said cathode, a plurality of tubes similar to the first tube, and arranged to have the respective elements thereof connected in parallel with the respective elements of said first tube, the elements of said circuit being so related as to form a relaxation oscillator generating a substantially square top wave unsymmetrical with respect to time, means for selectively rendering individual tubes of said group operative, a source of direct current having its positive terminal connected to said first-mentioned grid and its negative terminal connected to said cathode, and connections for drawing output power from said source and said capacity element in series.

2,155,364
COMPOUNDS OF THE PYRAZOLANTHRONE SERIES

Melvin A. Perkins, Milwaukee, and Clifford E. Carr, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

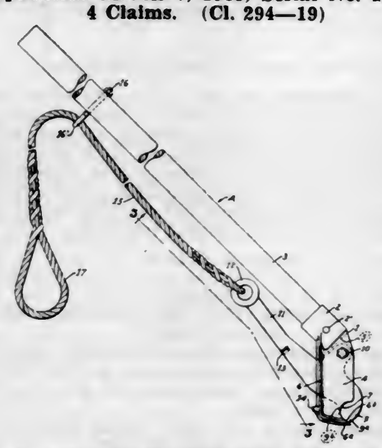
No Drawing. Application February 24, 1936, Serial No. 65,416
4 Claims. (Cl. 260—312)

1. A 6-chloro-N-alkyl-pyrazolanthrone.

2,155,365
PICK-UP TONGS

Orie T. Rankin, Toledo, Ohio, assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application March 7, 1938, Serial No. 194,381
4 Claims. (Cl. 294—19)

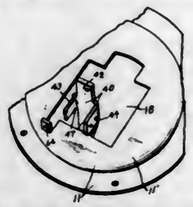


1. A pickup tong comprising a fixed jaw, an insulating handle secured to said fixed jaw, said fixed jaw being provided with a concave gripping seat and including a toe portion provided with a flat ground-contacting face and an inclined face which leads to said gripping seat, a movable jaw pivotably supported by said fixed jaw and provided with a concave gripping seat, and a flexible element attached to a part of said movable jaw for moving said movable jaw to a position where the gripping seat thereof cooperates with the gripping seat of said fixed jaw to receive and grip an article in said gripping seats.

2,155,366
HORN

Theodore J. Scofield, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio

Application August 12, 1937, Serial No. 158,771
1 Claim. (Cl. 177—7)

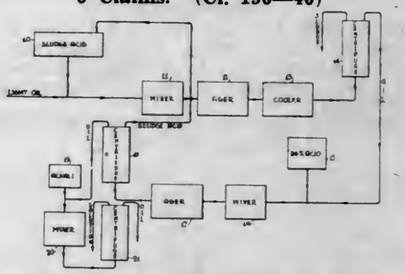


In a warning signal having a vibratory diaphragm and an electric motor means operatively connected with the diaphragm for vibrating the same, means supporting said motor and diaphragm in cooperative relation with each other including a mounting plate, said plate having an integral portion thereof pressed outward to extend laterally therefrom and provided with spaced members, one member being adapted to form the core of a relay for the motor circuit and the other member being adapted to form a support for the armature of said relay.

2,155,367
ACID TREATING OF BENZOL

Ashton T. Scott, Ardmore, Pa., assignor to The Sharples Corporation, a corporation of Delaware

Application October 26, 1937, Serial No. 171,091
6 Claims. (Cl. 196—40)

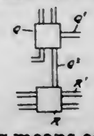


1. In the acid treatment of light oils, the steps comprising contacting the oil to be treated with acid sludge derived from the treatment of light oil with concentrated sulphuric acid, thoroughly mixing the sludge acid and oil to cause reaction of the sludge acid with the oil while maintaining the oil at a temperature in excess of 130° F. and thereby effecting reaction of the sludge acid with substantially all of the impurities which have undesirable effects on its stability, odor and color, thereafter separating from the oil acid sludge resulting from said reaction, and then mixing with fresh concentrated sulphuric acid the oil so separated from the bulk of the sludge in order to dissolve residual sludge in said fresh acid, and thereafter separating from the purified oil, sludge formed by said last-mentioned acid treatment.

2,155,368
LIQUID DIVIDING FEED MECHANISM

Adolf von Wangenheim and Walter S. Landon, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1934, Serial No. 725,664
7 Claims. (Cl. 184—7)



1. Liquid dividing means comprising a plurality of units, each unit consisting of a casing having a fluid inlet and a plurality of fluid outlet passages, a plurality of cylinders and interconnecting passages and a reciprocatory piston in each cylinder actuated by the incoming fluid and ejecting a measured quantity of outgoing fluid, and valve means operable by each piston for controlling and directing both the admission and ejection of fluid of another cylinder, one of said

units being arranged in series with another unit and receiving its fluid from one of the outlets of the latter.

2,155,369
COMPOUNDS OF THE PYRAZOLANTHRONE SERIES

Myron S. Whelen, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 24, 1936, Serial No. 65,430
2 Claims. (Cl. 260—312)

1. As new compounds, 6-halogen-1,9-pyrazolanthrones.

2,155,370
WELL LINER

Elwin B. Hall, Los Angeles, and Arthur L. Armentrout, Santa Maria, Calif., assignors, by mesne assignments, to Security Engineering Co., Inc., Whittier, Calif., a corporation of California

Application July 27, 1936, Serial No. 92,800
3 Claims. (Cl. 166—4)



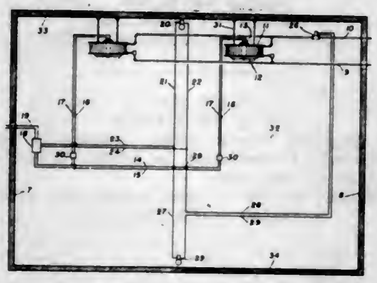
1. A well liner comprising a plurality of tubular liner sections, threaded at the ends, and couplings threadedly connecting the liner sections and formed of a metal considerably weaker than that of the liner sections, each coupling constituting the sole means connecting adjacent liner sections whereby upon application of excessive strains to a liner section to remove it from the well failure will occur at the coupling, thus detaching the liner section completely from the remainder of the liner sections and permitting its removal.

2,155,371
HEATING SYSTEM

Ruben H. Anderegg and Robert G. Miner, La Crosse, Wis., assignors to The Trane Company, La Crosse, Wis.

Application September 11, 1937, Serial No. 163,419
11 Claims. (Cl. 237—2)

1. In a heating system, the combination of a room to be heated, a plurality of heat exchangers positioned in the upper portion of said room, fans forcing air there-through in a downward direction, a heat supply pipe to said exchangers with a regulating valve in said pipe, thermostatic means located in the lower portion of the room to cause operation of the fans and said regulating valve when a predetermined low temperature is reached, and thermostatic means located in the upper portion of the room responsive to a predetermined high temperature for regulating the operation of the fans, whereby a desired differential in temperature may be maintained between the upper and lower portions of such room.

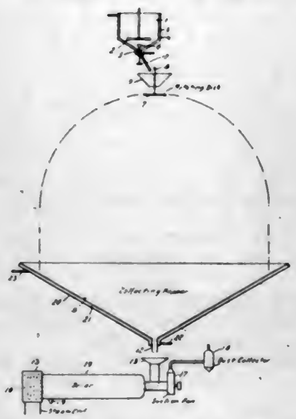


5. In a heating system, the combination of a room to be heated, a plurality of heat exchangers positioned in the upper portion of said room, fans forcing air there-through in a downward direction, a heat supply pipe to said exchangers, means to operate the fans until a predetermined difference in temperature between the upper and lower portions of the room is reached.

2,155,372
PROCESS FOR THE PRODUCTION OF FERTILIZERS

Herman A. Beekhuis, Jr., Petersburg, Va., assignor, by mesne assignments, to The Solvay Process Company, New York, N. Y., a corporation of New York

Application March 10, 1931, Serial No. 521,482
Renewed April 10, 1937
2 Claims. (Cl. 71—60)

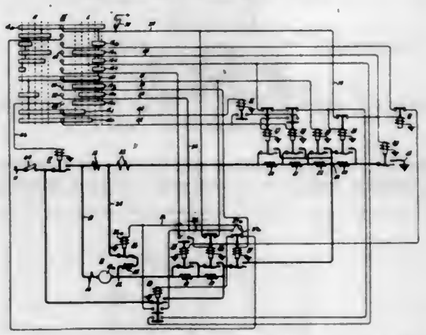


1. The process of producing a granular fertilizer which comprises preparing a fluid mixture containing ammonium nitrate and an inert solid in finely divided form, dispersing said fluid mixture in the form of separate particles into a cooling gas, solidifying said particles during their travel through said gas, allowing said particles to fall upon the sides of a collecting hopper, removing the solid particles from said collecting hopper to a dryer, and warming the walls of the collecting hopper.

2,155,373
CONTROL SYSTEM

James W. Cooke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 25, 1938, Serial No. 209,943
12 Claims. (Cl. 172—179)



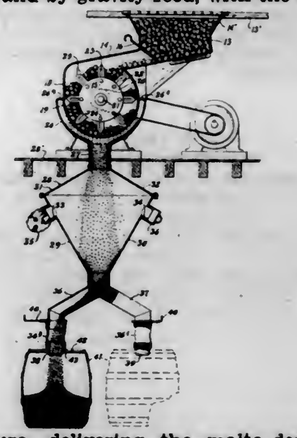
12. A motor control system comprising in combination, a direct-current electric motor provided with a field winding having one terminal connected to an armature terminal, a mechanical brake having an operating coil connected between the other terminal of said field winding, and one side of a supply source, a normally open contactor for connecting said first mentioned armature and field winding terminals to the opposite side of the supply source, a connection from the other armature terminal to the connection point between said field winding and operating coil so that armature current is caused to flow through said coil, a resistor connected to said other armature terminal, a second normally open contactor connected between said other armature terminal and said one side of said supply source, and a master switch operable from an off position to an operative position to close said contactors substantially simultaneously thereby to divert a portion of the armature current around said opering coil to effect relatively slow release of the brake and to provide for jogging of the motor by returning said master switch to said off position to disconnect said motor from said source when said brake is partially released.

2,155,374
PROCESS AND APPARATUS FOR MANUFACTURING MALTO-DEXTRINE

Louis N. Hartog, New York, N. Y.

Continuation of application Serial No. 30,475, July 9, 1935. This application June 2, 1938, Serial No. 211,340
8 Claims. (Cl. 127—34)

1. A process of manufacturing malto-dextrine from corn or other grain syrups, consisting in boiling the syrup to a temperature of the order of 215° C. in a partial vacuum of the order of 28 inches, while conducting off the vaporizable substances of the syrup until the remaining malto-dextrine is pure except for a water content of the order of 2% or less, causing such malto-dextrine to set and harden under conditions which preclude appreciable accretion of water content, breaking the same into chunks in a dry-air compartment, and from such compartment feeding the same by gravity, and without the admission of air other than such dry air as may incidentally accompany the chunks, into a grinding chamber from which moisture is excluded, there granulating the chunks in the absence of moisture, and by gravity feed, with the exclusion

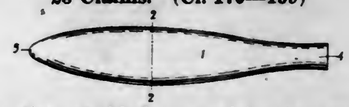


of moisture, delivering the malto-dextrine in granulated form to containers therefor.

2,155,375
PRESSED ARTICLE, PARTICULARLY AIRSCREW BLADE, OF LAMINATED WOOD, AND METHOD OF MANUFACTURE

Bruno Jablonsky, London, England

Application June 14, 1937, Serial No. 148,185
In Great Britain March 31, 1937
28 Claims. (Cl. 170—159)

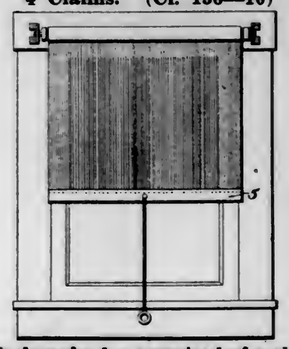


1. An airscrew blade comprising two separately formed half-shells of moulded and glued wood laminae, said shells being glued together along at least one of the leading and trailing edges of said blade, recesses formed in the meeting edges of said shells, and keying means engaging in said recesses and opposing destruction of the joint between said shells by shearing stress lengthwise of the blade.

2,155,376
WINDOW SHADE

Samuel J. Johnson, West Chester, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland

Original application August 19, 1936, Serial No. 96,848. Divided and this application April 14, 1937, Serial No. 136,846
4 Claims. (Cl. 156—10)

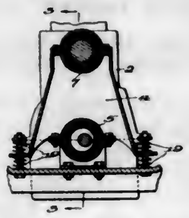


1. A window shade comprised of a sheet of material having on a surface thereof a series of

ridges of coating composition running longitudinally of the sheet in heterogeneous spacing, but parallel relation, and superposed over a level finish of coating composition integrated to the shade material.

2,155,377
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Application September 14, 1934, Serial No. 744,078
25 Claims. (Cl. 248—7)

1. The combination in a motor vehicle having a frame structure, of an engine unit, rear mounting means supported by the frame and supporting the rear portion of the engine unit, a floating member at the front of the engine unit and having means supported by the vehicle and pivotally supporting the floating member, and said floating

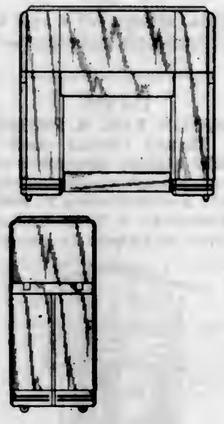


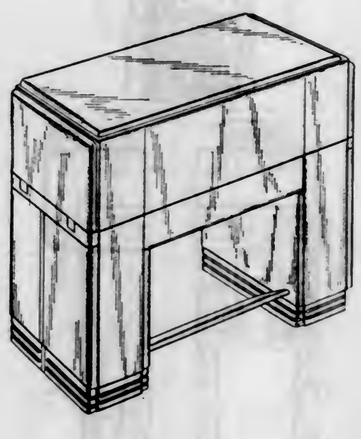
member having means supporting a portion of the engine unit for movement relative thereto.

DESIGNS

APRIL 18, 1939

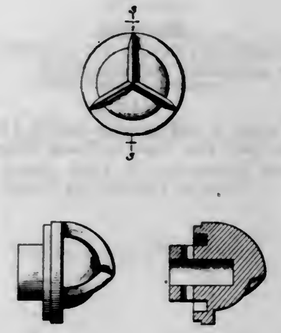
114,314
DESIGN FOR AN IRONING MACHINE CABINET
Henry W. Altorfer, Peoria, Ill.
Application December 5, 1938, Serial No. 81,587
Term of patent 14 years





The ornamental design for an ironing machine cabinet, as shown.

114,315
DESIGN FOR A SETTING HANDLE FOR HEAT REGULATORS
Almer H. Brodbeck, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 13, 1938, Serial No. 80,432
Term of patent 7 years



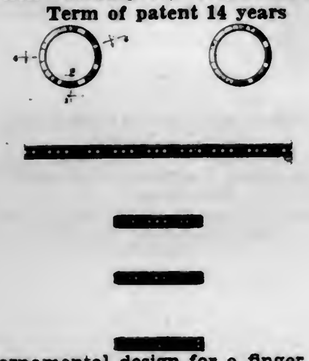
The ornamental design for a setting handle for heat regulators, as shown.

114,316
DESIGN FOR A SHOE OR THE LIKE
William F. A. Buehner, New York, N. Y.
Application December 2, 1937, Serial No. 73,322
Term of patent 7 years



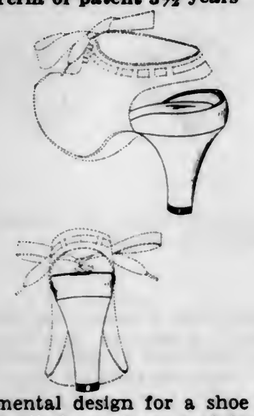
The ornamental design for a shoe or the like, as shown.

114,317
DESIGN FOR A FINGER RING
Lucien S. Burri, New York, N. Y.
Application February 24, 1939, Serial No. 83,177
Term of patent 14 years



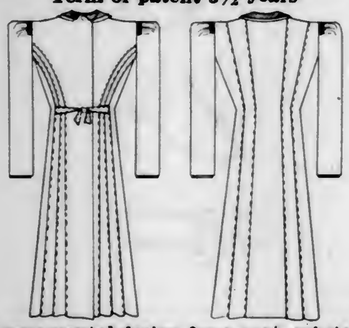
The ornamental design for a finger ring, substantially as shown and described.

114,318
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Vincent De Liso, Astoria, Long Island, N. Y.
Application February 27, 1939, Serial No. 83,230
Term of patent 3½ years



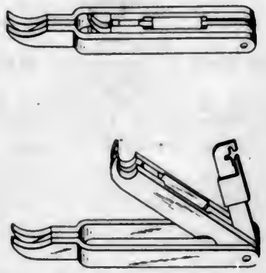
The ornamental design for a shoe or similar article, substantially as shown and described.

114,319
DESIGN FOR A COAT
Samuel H. Dick, New York, N. Y.
Application December 29, 1938, Serial No. 82,049
Term of patent 3½ years



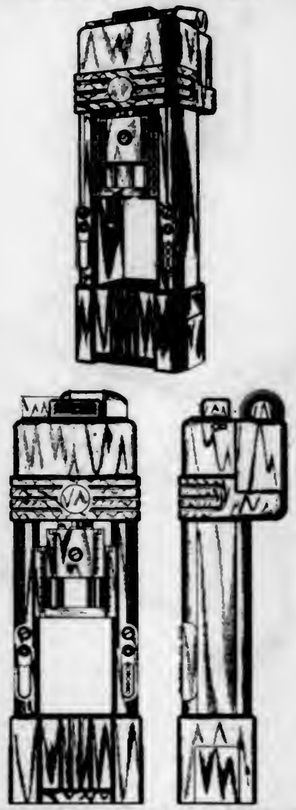
The ornamental design for a coat, substantially as shown and described.

114,320
DESIGN FOR A TOOL FOR ADJUSTING IGNITION CIRCUIT BREAKERS
Harry Eisner, Union Springs, N. Y.
Application July 20, 1938, Serial No. 78,602
Term of patent 3½ years



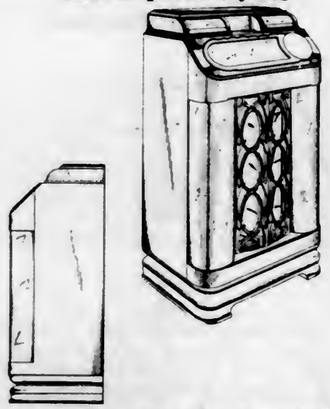
The ornamental design for a tool for adjusting ignition circuit breakers, substantially as shown.

114,321
DESIGN FOR A PRESS
Walter Ernst, Mount Gilead, and Harold Van Doren, Toledo, Ohio, assignors to the Hydraulic Development Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application February 6, 1939, Serial No. 82,798
Term of patent 14 years



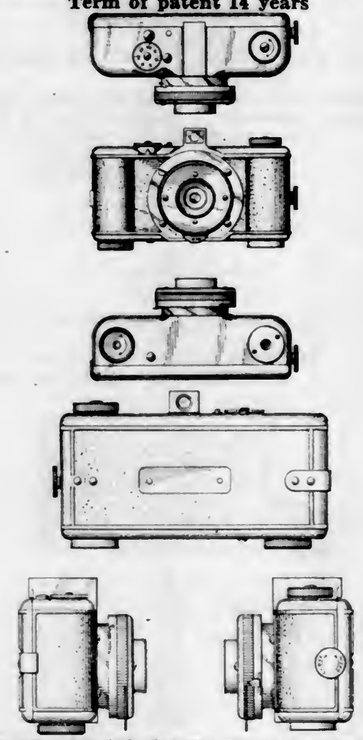
The ornamental design for a press, as shown.

114,322
DESIGN FOR A REMOTE CONTROL PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application February 8, 1939, Serial No. 82,873
Term of patent 7 years



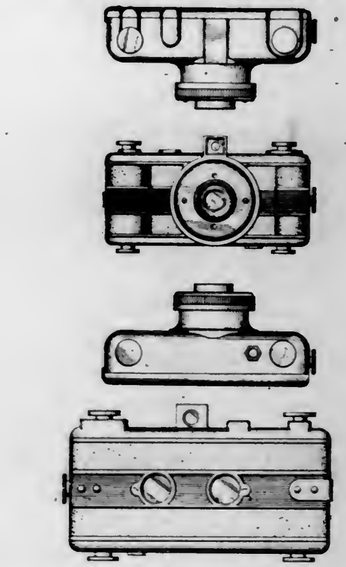
The ornamental design for a remote control phonograph cabinet, substantially as shown.

114,323
DESIGN FOR A CAMERA
Jack Galter, Chicago, Ill.
Application December 12, 1938, Serial No. 81,734
Term of patent 14 years



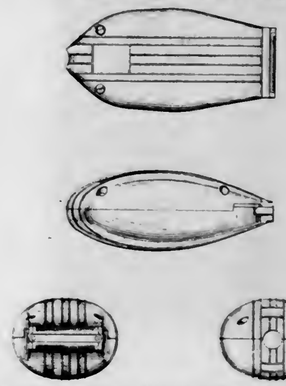
The ornamental design for a camera, substantially as shown.

114,324
DESIGN FOR A CAMERA
Jack Galter, Chicago, Ill.
Application December 12, 1938, Serial No. 81,735
Term of patent 14 years



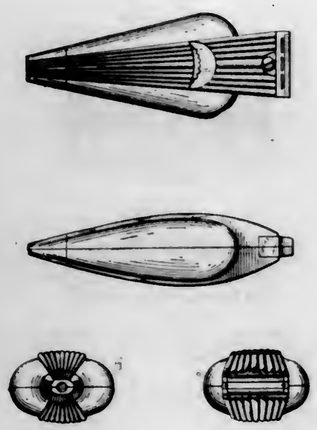
The ornamental design for a camera, substantially as shown.

114,325
DESIGN FOR AN ELECTRIC RAZOR
Jack Galter, Chicago, Ill.
Application December 12, 1938, Serial No. 81,737
Term of patent 14 years



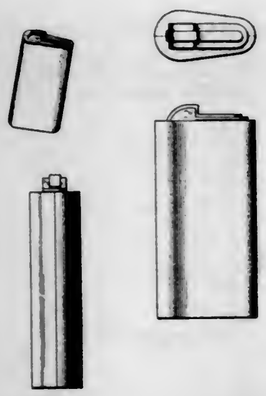
The ornamental design for an electric razor, substantially as shown.

114,326
DESIGN FOR AN ELECTRIC RAZOR
Jack Galter, Chicago, Ill.
Application December 12, 1938, Serial No. 81,738
Term of patent 14 years



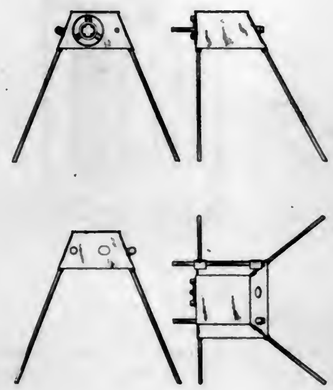
The ornamental design for an electric razor, substantially as shown.

114,327
DESIGN FOR A FLASHLIGHT CASE
Albert Gelardin, New York, N. Y.
Application March 7, 1939, Serial No. 83,402
Term of patent 14 years



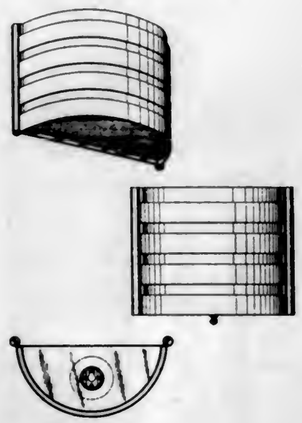
The ornamental design for a flashlight case, as shown and described.

114,328
DESIGN FOR A POWER PIPE STAND
Arthur S. Gould, Lakewood, Ohio, assignor to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 20, 1938, Serial No. 77,950
Term of patent 14 years



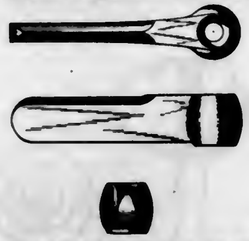
The ornamental design for a power pipe stand as shown.

114,329
DESIGN FOR A WALL LAMP OR SIMILAR ARTICLE
William Loyd Gregg, Fredericktown, Ohio
Application February 7, 1939, Serial No. 82,851
Term of patent 3½ years



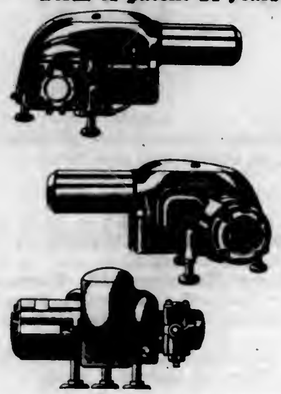
The ornamental design for a wall lamp or similar article, as shown.

114,330
DESIGN FOR A VALVE HANDLE
Christopher Groen, Oak Park, Ill., assignor to A. Y. McDonald Mfg. Co., Dubuque, Iowa, a corporation of Iowa
Application February 11, 1939, Serial No. 82,918
Term of patent 7 years



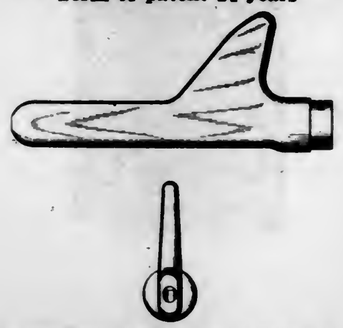
The ornamental design for a valve handle, as shown.

114,331
DESIGN FOR AN OIL BURNER
Frank E. Herr, Lancaster, Pa.
Application January 12, 1939, Serial No. 82,314
Term of patent 14 years



The ornamental design for an oil burner, as shown.

114,332
DESIGN FOR A SHELL OF A PITOT STATIC TUBE
Paul Kollsman, New York, N. Y.
Application August 25, 1938, Serial No. 79,565
Term of patent 14 years



The ornamental design for a shell of a Pitot static tube, substantially as shown.

114,333
DESIGN FOR A SHELL OF A PITOT STATIC TUBE
Paul Kollsman, New York, N. Y.
Application August 25, 1938, Serial No. 79,566
Term of patent 14 years



The ornamental design for a shell of a Pitot static tube, substantially as shown.

114,334
DESIGN FOR A RUG
Lucien Biva, Long Island City, N. Y., assignor to William E. Roschen, Albert A. Levy, and John Hastedt, as coexecutors of the estate of Otto Timme, deceased, doing business as E. F. Timme & Son, New York, N. Y.
Application March 9, 1939, Serial No. 83,470
Term of patent 7 years



The ornamental design for a rug, as shown.

114,335
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application March 17, 1939, Serial No. 83,624
Term of patent 3½ years



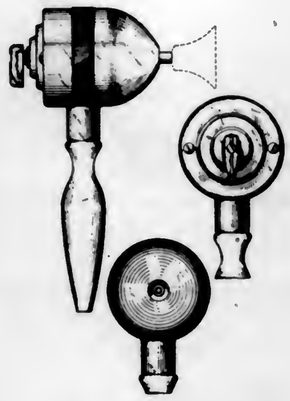
The ornamental design for a textile fabric, substantially as shown and described.

114,336
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application March 17, 1939, Serial No. 83,625
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

114,337
DESIGN FOR AN ELECTRIC VIBRATOR
Myron J. Landgraf, Chicago, Ill.
Application April 18, 1938, Serial No. 76,586
Term of patent 14 years



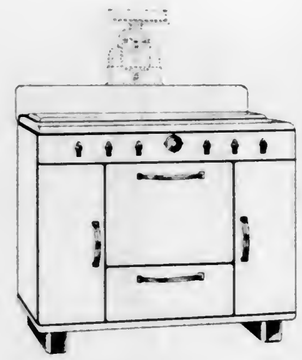
The ornamental design for an electric vibrator, substantially as shown and described.

114,338
DESIGN FOR A FLOOR COVERING OR THE LIKE
Henry J. Landry, Thompsonville, Conn., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application December 27, 1938, Serial No. 82,009
Term of patent 7 years



The ornamental design for a floor covering or the like, substantially as shown.

114,339
DESIGN FOR A TABLE-TOP RANGE
Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Ltd., Oakland, Calif., a corporation of Nevada
Application July 26, 1937, Serial No. 70,649
Term of patent 3½ years



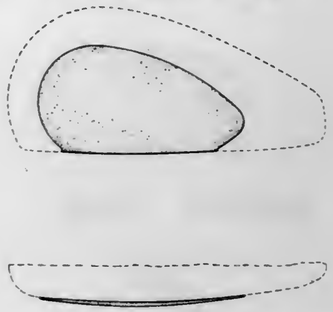
The ornamental design for a table-top range, substantially as shown and described.

114,340
DESIGN FOR A COMPOSITE SHOE SOLE OR ANALOGOUS ARTICLE
Bertram H. MacLeod, Pembroke, Mass., assignor to Avon Sole Company, Holbrook, Mass., a corporation of Massachusetts
Application December 14, 1938, Serial No. 81,776
Term of patent 14 years



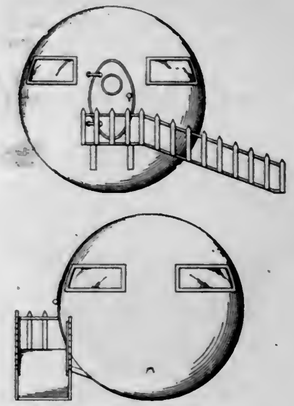
The ornamental design for a composite shoe sole or analogous article, substantially as shown and described.

114,341
DESIGN FOR AN AUTOMOBILE FENDER SHIELD OR SIMILAR ARTICLE
Donald Howard Mills, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 30, 1938, Serial No. 82,076
Term of patent 7 years



The ornamental design for an automobile fender shield or similar article, as shown.

114,342
DESIGN FOR A REFRESHMENT STAND
Louis F. Mueller, Buffalo, N. Y.
Application October 14, 1938, Serial No. 80,449
Term of patent 3½ years



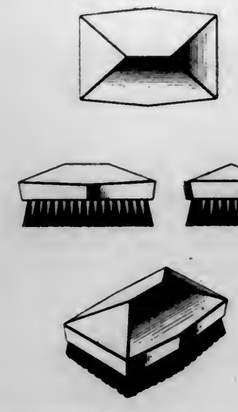
The ornamental design for a refreshment stand, substantially as shown.

114,343
DESIGN FOR A FLASHLIGHT HEAD
Bernard F. Muldoon, Mountain View, N. J.
Application May 6, 1938, Serial No. 77,026
Term of patent 14 years



The ornamental design for a flashlight head, substantially as shown and described.

114,344
DESIGN FOR A HAIR BRUSH OR THE LIKE
Peter Müller-Munk, Pittsburgh, Pa., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application February 2, 1939, Serial No. 82,739
Term of patent 7 years



The ornamental design for a hair brush or the like, substantially as shown.

114,345
DESIGN FOR A SWEATER
Louis A. Reitmeister, Great Neck, N. Y., assignor to Jenath Knitwear, Inc., a corporation of New York
Application December 14, 1938, Serial No. 81,770
Term of patent 3½ years



The ornamental design for a sweater, substantially as shown.

114,346
DESIGN FOR A RUBBER HEEL
Ray E. Sannar, Leonard P. Tufford, and Arthur G. Smith, Elyria, Ohio
Application February 13, 1939, Serial No. 82,942
Term of patent 14 years



The ornamental design for a rubber heel, substantially as shown.

114,347
DESIGN FOR A BUTTON
Alexander A. Scott, Jr., Knoxville, Tenn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 30, 1937, Serial No. 72,533
Term of patent 14 years



The ornamental design for a button, substantially as shown.

114,348
DESIGN FOR A BUTTON
Alexander A. Scott, Jr., Knoxville, Tenn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application October 30, 1937, Serial No. 72,534
Term of patent 14 years



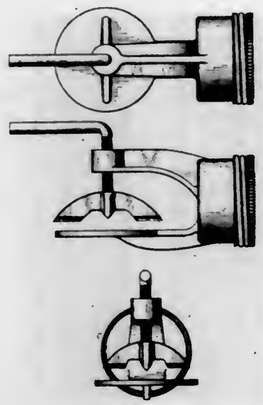
The ornamental design for a button, substantially as shown.

114,349
DESIGN FOR A COMBINED VASE AND SUPPORT
Frank I. Sparrow, Union, N. J.
Application March 2, 1939, Serial No. 83,290
Term of patent 7 years



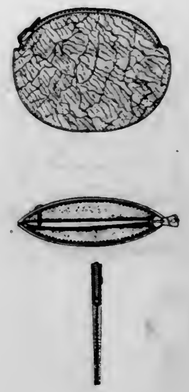
The ornamental design for a combined vase and support, as shown.

114,350
DESIGN FOR A CLAMPING DEVICE
Adolph T. Stein, Chicago. Ill., assignor to J. W. Speaker Corporation, Chicago, Ill., a corporation of Illinois
Application May 26, 1938, Serial No. 77,414
Term of patent 14 years



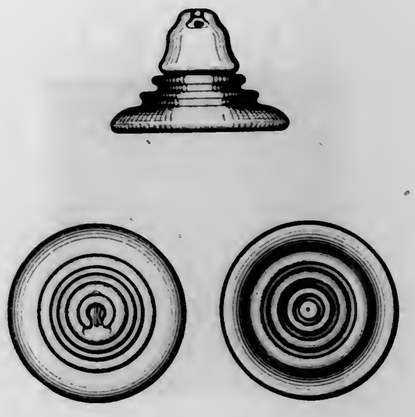
The ornamental design for a clamping device, as shown.

114,351
DESIGN FOR A COMBINED BILLFOLD, CHANGE PURSE, AND KEY HOLDER
Samuel J. Steinman, New York, N. Y.
Application March 8, 1939, Serial No. 83,426
Term of patent 3½ years



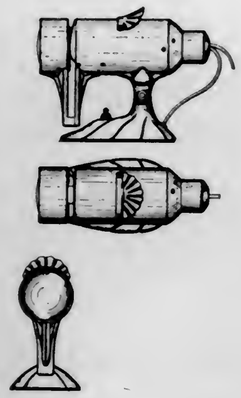
The ornamental design for a combined billfold, change purse, and key holder substantially as shown.

114,352
DESIGN FOR AN ELECTRIC INSULATOR
John J. Taylor, Wadsworth, Ohio
Application April 22, 1938, Serial No. 76,702
Term of patent 14 years



The ornamental design for an electric insulator, as shown.

114,353
DESIGN FOR A FILM VIEWING MACHINE
Harry E. Turner, Pacific Palisades, Calif., assignor of one-half to Arthur O. Garrett, Los Angeles, Calif.
Application February 6, 1939, Serial No. 82,803
Term of patent 7 years



The ornamental design for a film viewing machine, as shown.

114,354
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application March 22, 1939, Serial No. 83,751
Term of patent 3½ years



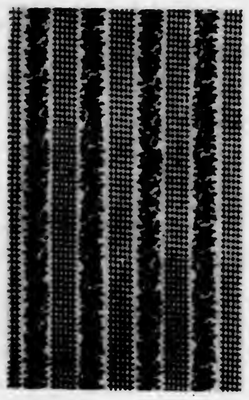
The ornamental design for a textile fabric or similar article, as shown.

114,355
DESIGN FOR A SCAFFOLD END FRAME
Reinhold A. Uecker, David E. Beatty, and Ingar G. Rambo, Wauwatosa, Wis., assignors to The Safway Steel Scaffolds Co. of Wisconsin, Wauwatosa, Wis., a corporation of Wisconsin
Application March 3, 1939, Serial No. 83,312
Term of patent 14 years



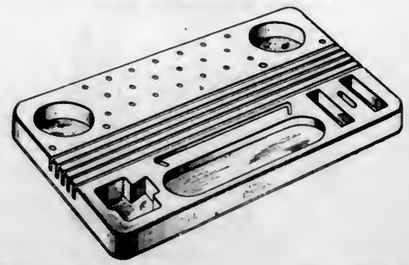
The ornamental design for a scaffold end frame, as shown.

114,356
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
August Von Eisenbarth, Bronxville, N. Y.
Application March 11, 1939, Serial No. 83,521
Term of patent 3½ years



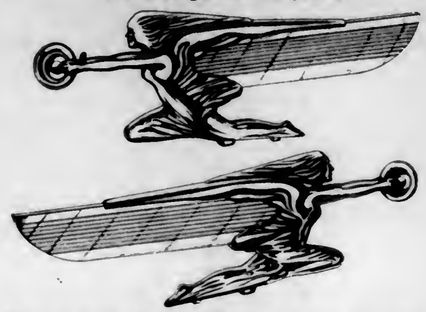
The ornamental design for a textile fabric or similar article, as shown.

114,357
DESIGN FOR A MIMEOGRAPH EQUIPMENT BOARD
Katherine F. Walker, Sioux City, Iowa
Application November 21, 1938, Serial No. 81,275
Term of patent 3½ years



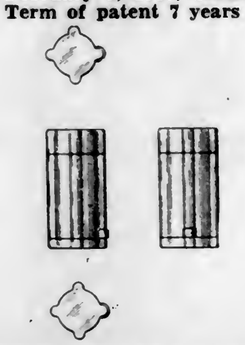
The ornamental design for a mimeograph equipment board, as shown and described.

114,358
DESIGN FOR A VEHICLE ORNAMENT OR SIMILAR ARTICLE
John D. Wilson, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1938, Serial No. 80,388
Term of patent 14 years



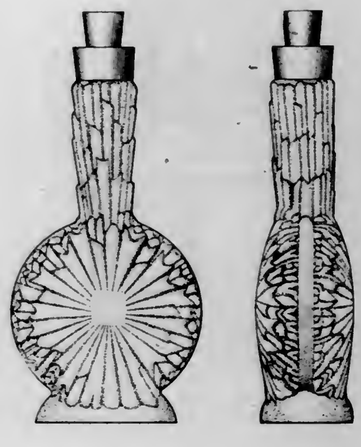
The ornamental design for a vehicle ornament or similar article, as shown and described.

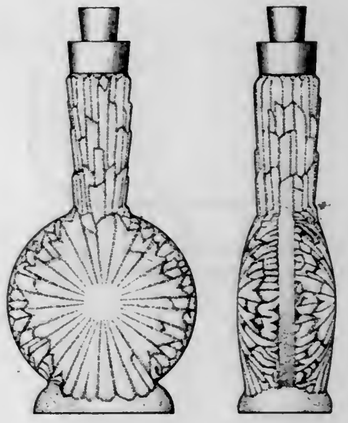
114,359
DESIGN FOR A LIPSTICK CASE
James L. Younghusband, Chicago, Ill.
Application February 9, 1939, Serial No. 82,882
Term of patent 7 years



The ornamental design for a lipstick case, substantially as shown.

114,360
DESIGN FOR A PERFUME BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application February 13, 1939, Serial No. 82,939
Term of patent 7 years





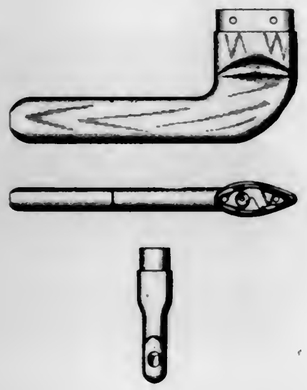
The ornamental design for a perfume bottle or similar article, as shown.

114,361
DESIGN FOR A POWDER BOX OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application February 13, 1939, Serial No. 82,940
Term of patent 7 years



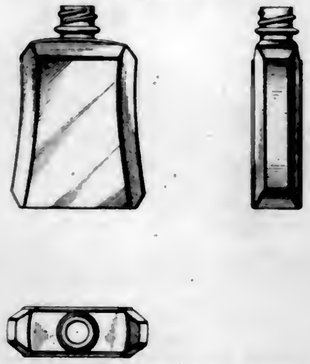
The ornamental design for a powder box or similar article, as shown.

114,362
DESIGN FOR A SHELL OF A PITOT STATIC TUBE
Victor E. Carbonara, Rockville Centre, N. Y., assignor to Paul Kollsman, New York, N. Y.
Application August 25, 1938, Serial No. 79,564
Term of patent 14 years



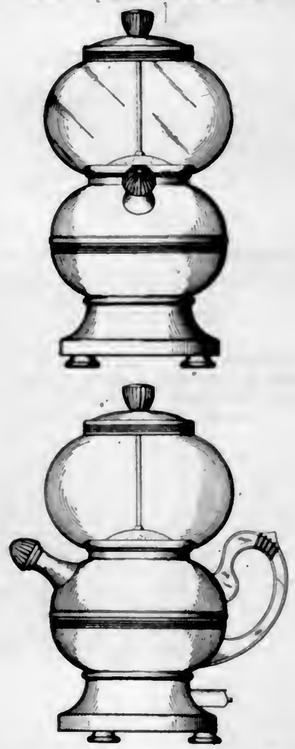
The ornamental design for a shell of a pitot static tube, substantially as shown.

114,363
DESIGN FOR A BOTTLE
John L. Dunnock, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md.
Application January 31, 1938, Serial No. 74,763
Term of patent 7 years



The ornamental design for a bottle, substantially as shown.

114,364
DESIGN FOR A COFFEE MAKER
Simon W. Farber, Brooklyn, N. Y.
Application February 2, 1939, Serial No. 82,714
Term of patent 14 years



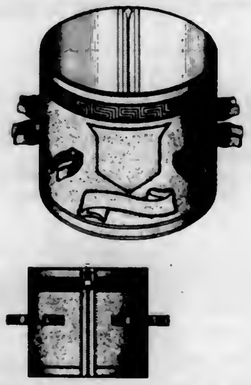
The ornamental design for a coffee maker, substantially as shown.

114,365
DESIGN FOR A TEA MAKER
Simon W. Farber, Brooklyn, N. Y.
Application February 2, 1939, Serial No. 82,715
Term of patent 14 years



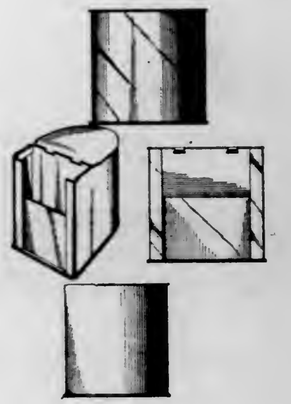
The ornamental design for a tea maker, substantially as shown.

114,366
DESIGN FOR A JACKET FOR TOBACCO CONTAINERS
Clayton T. Hobba, Los Angeles, Calif., assignor to Larus & Brother Company, Inc., Richmond, Va., a corporation of Virginia
Application March 1, 1939, Serial No. 83,285
Term of patent 14 years



The ornamental design for a jacket for tobacco containers, as shown.

114,367
DESIGN FOR A COMBINED CIGARETTE AND GUM HOLDER
James H. Horsley, Chicago, Ill.
Application March 30, 1938, Serial No. 76,185
Term of patent 14 years



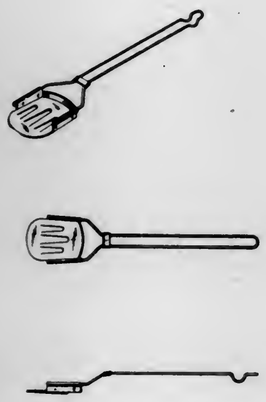
The ornamental design for a combined cigarette and gum holder, substantially as shown.

114,368
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Malcolm W. Lowenstein, Baltimore, Md.
Application March 3, 1939, Serial No. 83,319
Term of patent 7 years



The ornamental design for a bottle or similar article, substantially as shown.

114,369
DESIGN FOR A POT LIFTER
Ralph Homer Moyer, Detroit, Mich.
Application February 2, 1939, Serial No. 82,728
Term of patent 7 years



The ornamental design for a pot lifter, as shown.

114,370
DESIGN FOR A JAR
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application March 6, 1939, Serial No. 83,384
Term of patent 7 years



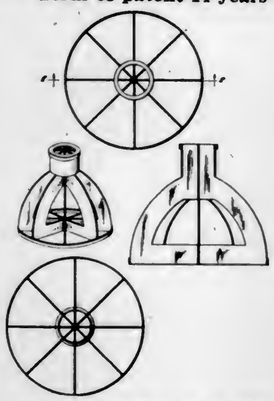
The ornamental design for a jar, as shown.

114,371
DESIGN FOR A CRIB
Edmond J. Spence, Batavia, N. Y., assignor to The Lehman Company of America, Inc., Canelton, Ind., a corporation of Indiana
Application January 13, 1939, Serial No. 82,327
Term of patent 14 years



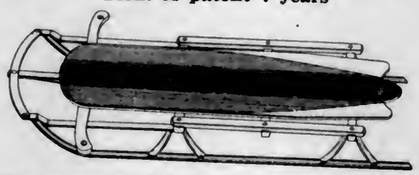
The ornamental design for a crib, substantially as shown and described.

114,372
DESIGN FOR A CAKE CUTTER
Edward Zimmerly, Chicago, Ill.
Application September 16, 1938, Serial No. 79,945
Term of patent 14 years



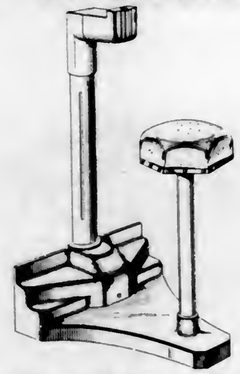
The ornamental design for a cake cutter, as shown.

114,373
DESIGN FOR A COASTING SLED
William E. Kidder, Kalamazoo, Mich., assignor to Kalamazoo Sled Company, Kalamazoo, Mich., a corporation of Michigan
Application October 27, 1937, Serial No. 72,465
Term of patent 7 years



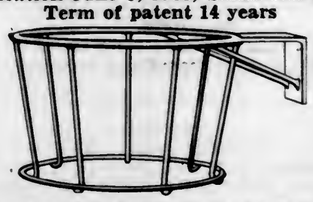
The ornamental design for a coasting sled, as shown.

114,374
DESIGN FOR A COUNTER SCALE
Sidney R. McKinney, Oklahoma City, Okla.
Application December 23, 1938, Serial No. 73,838
Term of patent 14 years



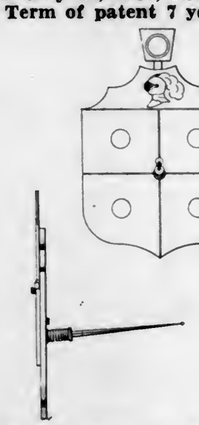
The ornamental design for a counter scale, substantially as shown.

114,375
DESIGN FOR A BASKETBALL GOAL
Fred W. Fieldhouse, Louisville, Ky.
Application June 9, 1938, Serial No. 77,691
Term of patent 14 years



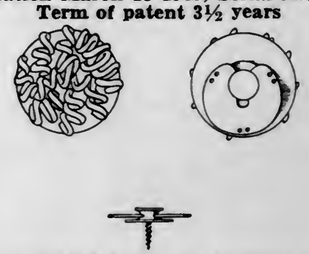
The ornamental design for a basketball goal, substantially as shown.

114,376
DESIGN FOR A FENCING IMPLEMENT FOR PRACTICE IN FENCING
Peter Jensen, New York, N. Y.
Application July 14, 1938, Serial No. 78,474
Term of patent 7 years



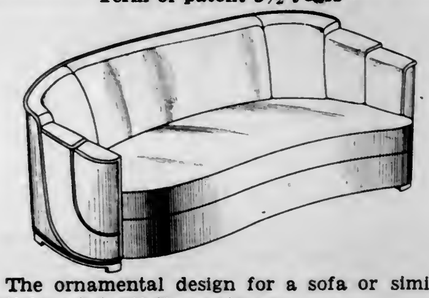
The ornamental design for a fencing implement for practice in fencing, as shown.

114,377
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Morton Berkman, Forest Hills, N. Y.
Application March 15 1939, Serial No. 83,584
Term of patent 3½ years



The ornamental design for a button or similar article, substantially as shown.

114,378
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Charles Stoll, New York, N. Y.
Application March 1, 1939, Serial No. 83,269
Term of patent 3½ years



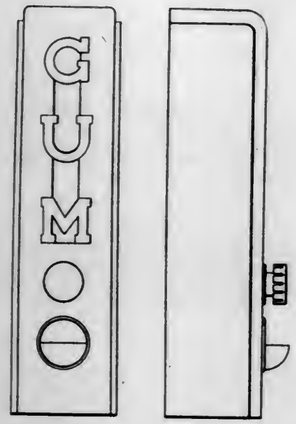
The ornamental design for a sofa or similar article, substantially as shown.

114,379
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marie A. Szach, Astoria, N. Y., assignor to Cheney Brothers, New York, N. Y., a corporation of Connecticut
Application February 15, 1939, Serial No. 83,007
Term of patent 3½ years



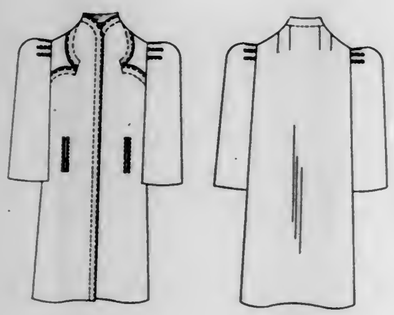
The ornamental design for a textile fabric or similar article as shown.

114,380
DESIGN FOR A VENDING MACHINE
David S. Bond, Brookline, Mass.
Application February 13, 1939, Serial No. 82,938
Term of patent 3½ years



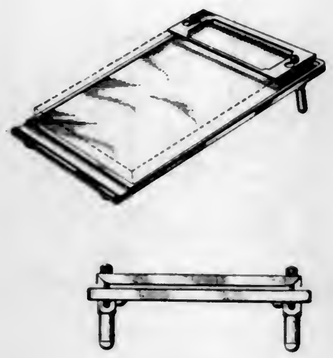
The ornamental design for a vending machine, as shown and described.

114,381
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application February 7, 1939, Serial No. 82,830
Term of patent 3½ years



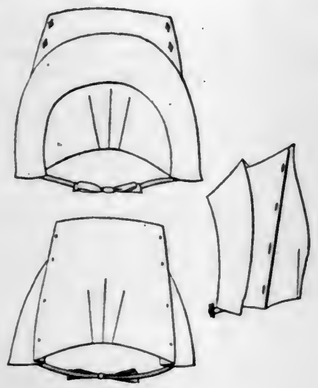
The ornamental design for a coat, substantially as shown and described.

114,382
DESIGN FOR A COMBINATION CALENDAR DESK UNIT
William H. Kemp, Westfield, N. J.
Application January 24, 1939, Serial No. 82,551
Term of patent 7 years



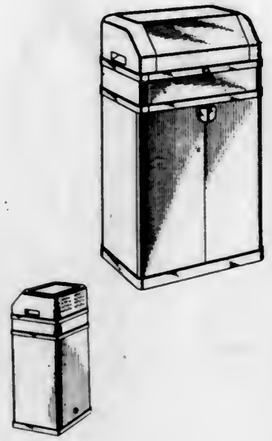
The ornamental design for a combination calendar desk unit, as shown and described.

114,383
DESIGN FOR A HAT
Murray J. Marks, New York, N. Y.
Application November 26, 1938, Serial No. 81,405
Term of patent 3½ years



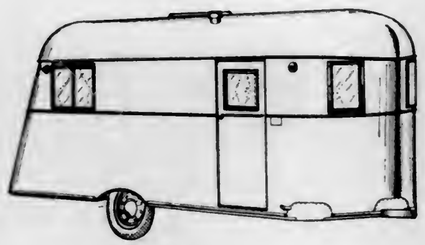
The ornamental design for a hat, substantially as shown.

114,384
DESIGN FOR A PHONOGRAPH CABINET OR SIMILAR ARTICLE
Ray Patten, Wilton, Conn., and Leland Stanford Briggs, New York, N. Y., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application July 23, 1938, Serial No. 78,668
Term of patent 14 years



The ornamental design for a phonograph cabinet or similar article, as shown.

114,385
DESIGN FOR TRAILER
Walter O. Wells, Elkhart, Ind.
Application January 3, 1939, Serial No. 82,128
Term of patent 3½ years



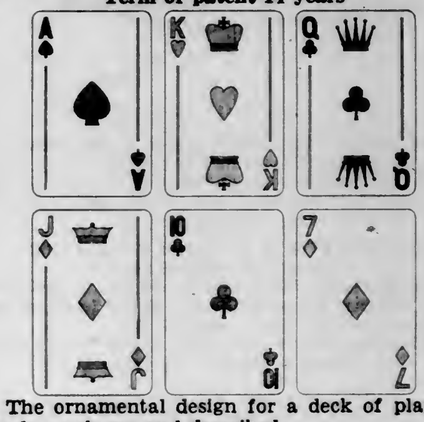


114,385—Continued



The ornamental design for trailer, as shown and described.

114,386
DESIGN FOR A DECK OF PLAYING CARDS
John Caldwell Hampshire, New York, N. Y.
Application January 10, 1939, Serial No. 82,267
Term of patent 14 years



The ornamental design for a deck of playing cards, as shown and described.

114,387
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Edwin Quackenbush, Ridgewood, N. J., assignor to Quackenbush-Caven Company, Inc., New York, N. Y.
Application February 21, 1939, Serial No. 83,147
Term of patent 3½ years



The ornamental design for textile fabric or similar article, as shown.

114,388
DESIGN FOR A DRESS
Shirley Aronoff, New York, N. Y.
Application March 15, 1939, Serial No. 83,576
Term of patent 3½ years



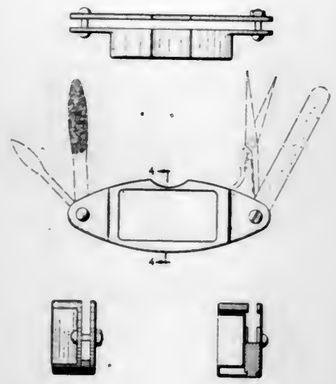
The ornamental design for a dress, substantially as shown.

114,389
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Bruno H. Barth, West Englewood, N. J., assignor to William Kerbs Kallman, doing business as Blanck & Co., New York, N. Y.
Application August 30, 1938, Serial No. 79,627
Term of patent 3½ years



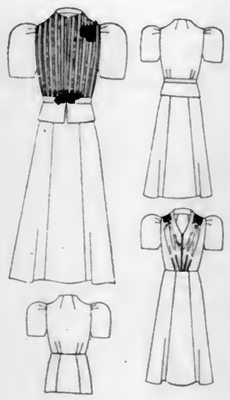
The ornamental design for a textile fabric or similar article, as shown and described.

114,390
DESIGN FOR A MANICURING DEVICE
Ernest Bocchino, Clifton, N. J.
Application June 20, 1938, Serial No. 77,943
Term of patent 7 years



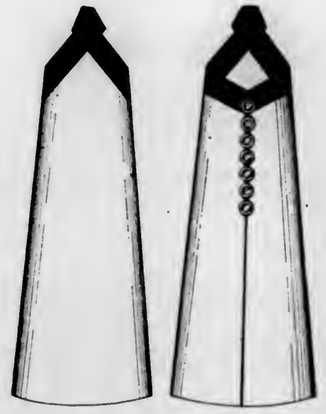
The ornamental design for a manicuring device, as shown and described.

114,391
DESIGN FOR A DRESS ENSEMBLE
Peggy Cancellare, New York, N. Y.
Application March 17, 1939, Serial No. 83,619
Term of patent 3½ years



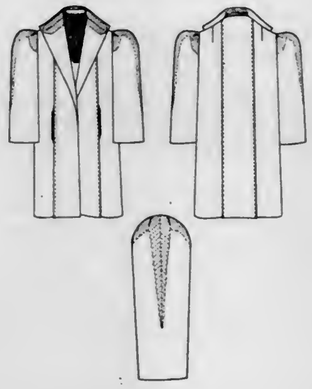
The ornamental design for a dress ensemble, substantially as shown.

114,392
DESIGN FOR A GLOVE
Marjorie Dunton, New York, N. Y.
Application February 16, 1939, Serial No. 83,017
Term of patent 3½ years



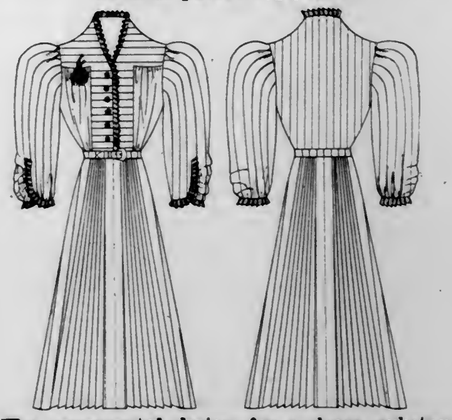
The ornamental design for a glove, substantially as shown.

114,393
DESIGN FOR A COAT
Morris Edelson, New York, N. Y.
Application March 10, 1939, Serial No. 83,504
Term of patent 3½ years



The ornamental design for a coat, substantially as shown, and described.

114,394
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application March 17, 1939, Serial No. 83,621
Term of patent 3½ years



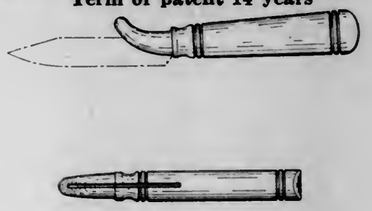
The ornamental design for a dress, substantially as shown.

114,395
DESIGN FOR A LADY'S SUIT
Louis W. Goodkind, New York, N. Y.
Application March 21, 1939, Serial No. 83,721
Term of patent 3½ years



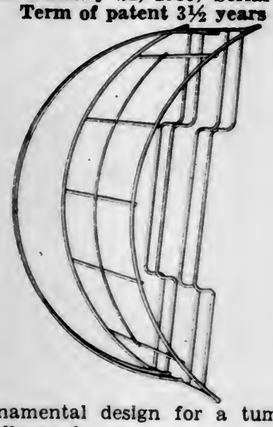
The ornamental design for a lady's suit, substantially as shown.

114,396
DESIGN FOR A KNIFE
Anthony Guerra, Hackensack, N. J.
Application August 5, 1938, Serial No. 79,127
Term of patent 14 years



The ornamental design for a knife, as shown and described.

114,397
DESIGN FOR A TUMBLER RACK
Adolph J. Havlis, Oak Park, Ill., assignor to Keystone Metal Products Co., Chicago, Ill., a corporation of Illinois
Application January 21, 1939, Serial No. 82,504
Term of patent 3½ years



The ornamental design for a tumbler rack, substantially as shown.

114,398
DESIGN FOR A TEXTILE FABRIC
Louis Kaufman, New York, N. Y.
Application January 11, 1939, Serial No. 82,273
Term of patent 3½ years





The ornamental design for a textile fabric, substantially as shown and described.

114,399
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Morris Leff, Brooklyn, N. Y.
Application March 16, 1939, Serial No. 83,597
Term of patent 3½ years



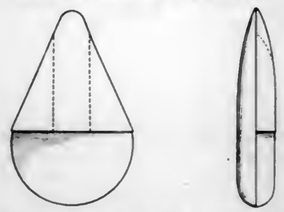
The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

114,400
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Morris Leff, Brooklyn, N. Y.
Application March 16, 1939, Serial No. 83,598
Term of patent 3½ years



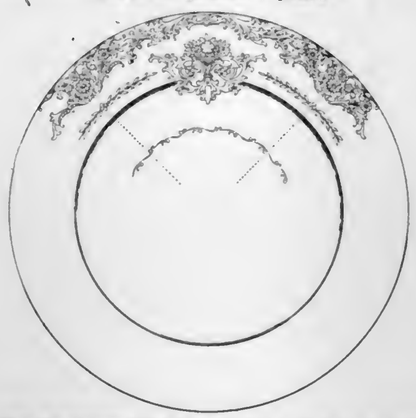
The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

114,401
DESIGN FOR A COMBINED POWDER PUFF AND LIPSTICK CONTAINER
Joan B. Lee, Richmond Hill, N. Y.
Application January 20, 1939, Serial No. 82,468
Term of patent 3½ years



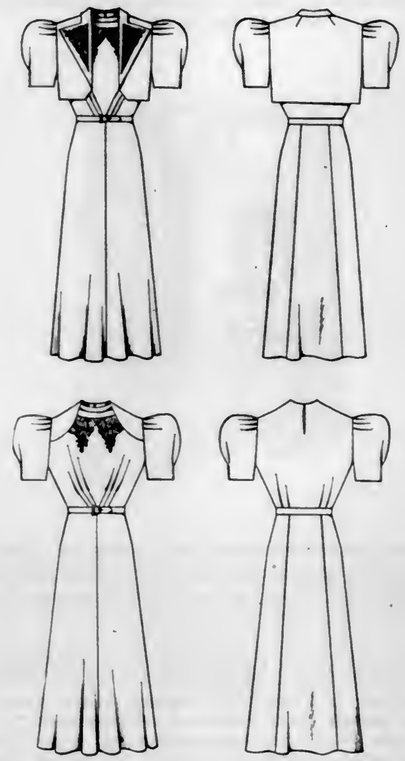
The ornamental design for a combined powder puff and lipstick container, substantially as shown and described.

114,402
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application January 5, 1939, Serial No. 82,155
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

114,403
DESIGN FOR A DRESS ENSEMBLE
Morris Massow, New York, N. Y.
Application March 20, 1939, Serial No. 83,685
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

114,404
DESIGN FOR A COMBINED DOLL AND VANITY, BAG OR SIMILAR ARTICLE
Gretchen v. B. Menken, New York, N. Y.
Application July 22, 1938, Serial No. 78,644
Term of patent 7 years



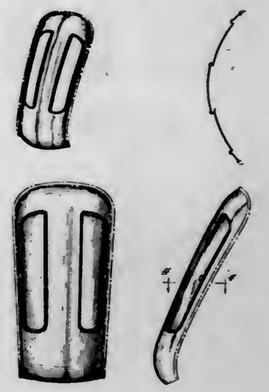
The ornamental design for a combined doll and vanity bag or similar article, substantially as shown.

114,405
DESIGN FOR AN APRON
Cora May Mitchell, Rock River, Wyo.
Application October 18, 1938, Serial No. 80,523
Term of patent 3½ years



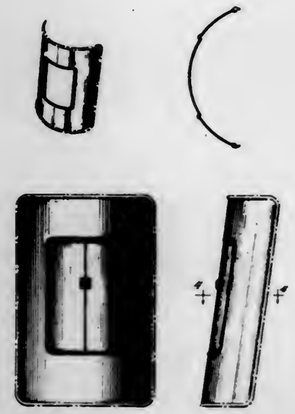
The ornamental design for an apron, as shown.

114,406
DESIGN FOR A RADIATOR GRILLE COVER FOR AUTOMOBILES
Willard L. Morrison, Lake Forest, Ill.
Application October 2, 1936, Serial No. 65,140
Term of patent 7 years



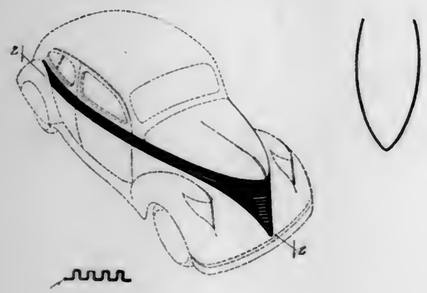
The ornamental design for a radiator grille cover for automobiles, substantially as shown.

114,407
DESIGN FOR A RADIATOR GRILLE COVER FOR AUTOMOBILES
Willard L. Morrison, Lake Forest, Ill.
Application October 8, 1936, Serial No. 65,208
Term of patent 7 years



The ornamental design for a radiator grille cover for automobiles, substantially as shown and described.

114,408
DESIGN FOR AN AUTOMOBLE
Willard L. Morrison, Lake Forest, Ill.
Application October 21, 1936, Serial No. 65,393
Term of patent 7 years



The ornamental design for an automobile, substantially as shown and described.

114,409
DESIGN FOR A CASING FOR A STITCHING MACHINE
Frederick A. Prahl, Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1938, Serial No. 82,095
Term of patent 14 years



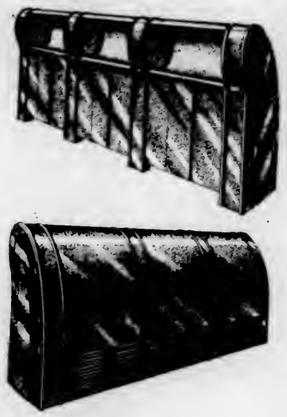
The ornamental design for a casing for a stitching machine, substantially as shown and described.

114,410
DESIGN FOR A CASING FOR A STITCHING MACHINE
Frederick A. Prahl, Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1938, Serial No. 82,096
Term of patent 14 years



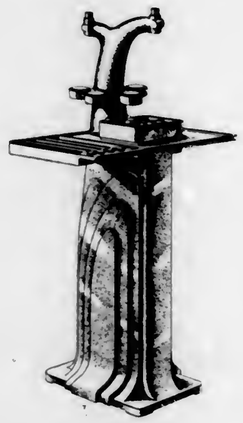
The ornamental design for a casing for a stitching machine, substantially as shown and described.

114,411
DESIGN FOR A CASING FOR SHOE MACHINES
Frederick A. Prahl, Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1938, Serial No. 82,097
Term of patent 14 years



The ornamental design for a casing for shoe machines, substantially as shown and described.

114,412
DESIGN FOR A STANDARD FOR A SHOE MACHINE
Frederick A. Prahl, Jr., Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1938, Serial No. 82,098
Term of patent 14 years



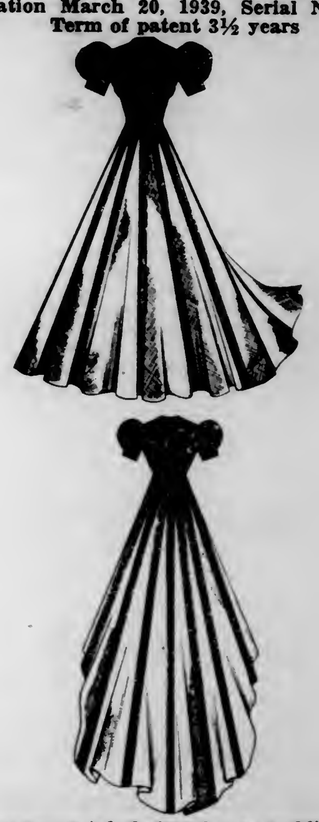
The ornamental design for a standard for a shoe machine, substantially as shown and described.

114,413
DESIGN FOR A BRASSIÈRE
Henry Schoebel, West Hempstead, N. Y., assignor to Model Brassiere Corp., Brooklyn, N. Y., a corporation of New York
Application March 11, 1939, Serial No. 83,515
Term of patent 7 years



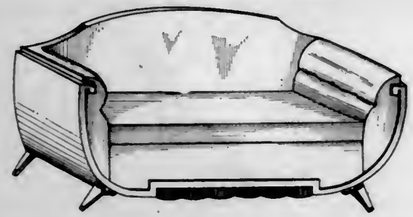
The ornamental design for a brassière, as shown.

114,414
DESIGN FOR A WEDDING GOWN
Murray J. Shapiro, New York, N. Y.
Application March 20, 1939, Serial No. 83,687
Term of patent 3½ years



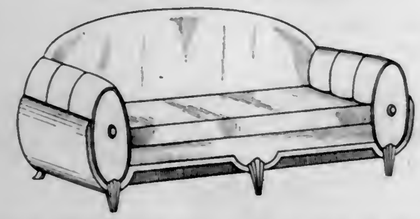
The ornamental design for a wedding gown, substantially as shown.

114,415
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Charles Stoll, New York, N. Y.
Application February 18, 1939, Serial No. 83,078
Term of patent 3½ years



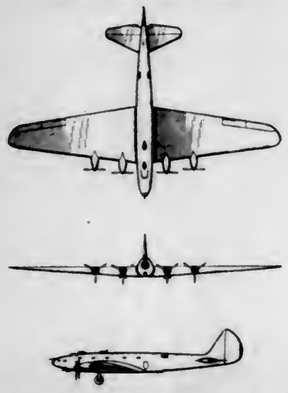
The ornamental design for a sofa or similar article, substantially as shown.

114,416
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Charles Stoll, New York, N. Y.
Application February 18, 1939, Serial No. 83,079
Term of patent 3½ years



The ornamental design for a sofa or similar article, substantially as shown.

114,417
DESIGN FOR A LOW WING CANTILEVER MONOPLANE
James G. Taylor, Dayton, Roscoe C. Wilson, Fairfield, and Oscar A. Swanson, Dayton, Ohio, assignors to Government of United States of America, as represented by Secretary of War, and his successors in office
Application July 22, 1935, Serial No. 57,770
Term of patent 7 years



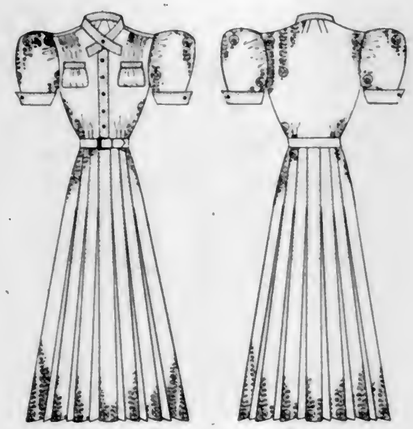
The ornamental design for a low wing cantilever monoplane, as shown and described.

114,418
DESIGN FOR A DRESS
Mollie S. Tint, New York, N. Y.
Application March 17, 1939, Serial No. 83,617
Term of patent 3½ years



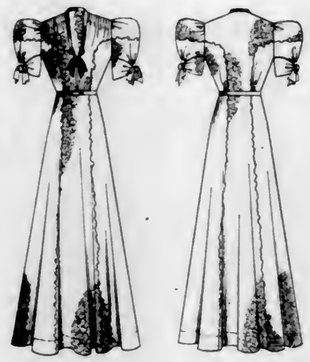
The ornamental design for a dress, substantially as shown.

114,419
DESIGN FOR A DRESS
Mollie S. Tint, New York, N. Y.
Application March 17, 1939, Serial No. 83,618
Term of patent 3½ years



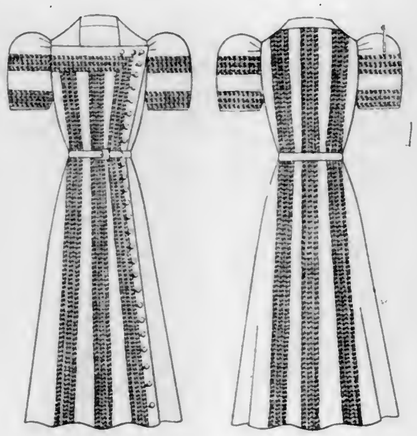
The ornamental design for a dress, substantially as shown.

114,420
DESIGN FOR A DRESS
Mark Cohn, New York, N. Y.
Application February 8, 1939, Serial No. 82,857
Term of patent 3½ years



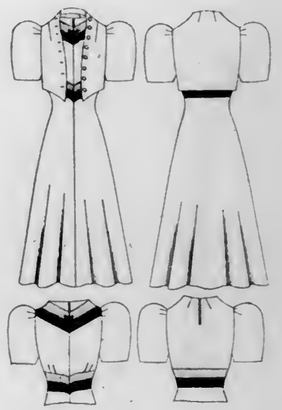
The ornamental design for a dress, substantially as shown and described.

114,421
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application March 23, 1939, Serial No. 83,779
Term of patent 3½ years



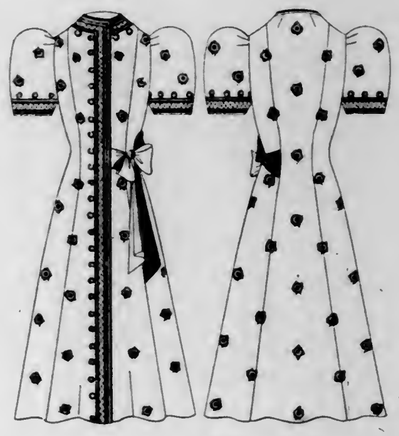
The ornamental design for a dress, substantially as shown and described.

114,422
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application March 23, 1939, Serial No. 83,780
Term of patent 3½ years



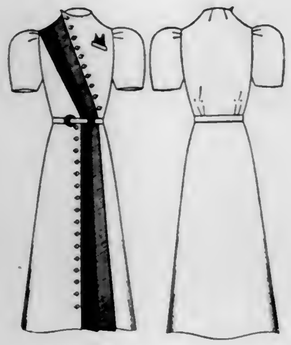
The ornamental design for a dress ensemble, substantially as shown.

114,423
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application March 23, 1939, Serial No. 83,783
Term of patent 3½ years



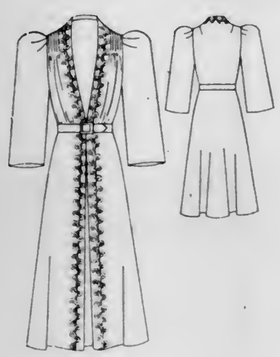
The ornamental design for a dress, substantially as shown.

114,424
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application March 23, 1939, Serial No. 83,784
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,425
DESIGN FOR A REDINGOTE
George Constantine, Mattapan, Mass.
Application February 24, 1939, Serial No. 83,173
Term of patent 3½ years



The ornamental design for a redingote, substantially as shown and described.

114,426
DESIGN FOR A DRESS
Theresa Fritz, New York, N. Y.
Application March 23, 1939, Serial No. 83,786
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,427
DESIGN FOR A DRESS
Theresa Fritz, New York, N. Y.
Application March 23, 1939, Serial No. 83,787
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,428
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application December 30, 1938, Serial No. 82,084
Term of patent 3½ years



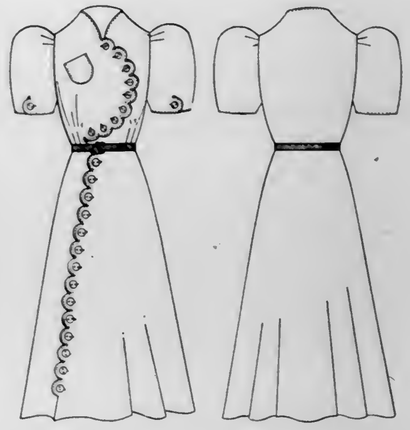
The ornamental design for a dress, substantially as shown and described.

114,429
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application January 30, 1939, Serial No. 82,652
Term of patent 3½ years



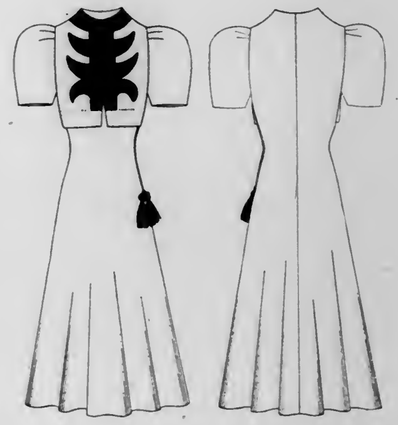
The ornamental design for a dress, substantially as shown and described.

114,430
DESIGN FOR A DRESS
Hannah C. Shelton, New York, N. Y.
Application March 23, 1939, Serial No. 83,788
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,431
DESIGN FOR A DRESS
Hannah C. Shelton, New York, N. Y.
Application March 23, 1939, Serial No. 83,789
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,155,378 to 2,156,256

THE OFFICIAL GAZETTE

OF THE

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April 25, 1939

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Total	1,189		

Notice

In accordance with the provisions of Rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on June 12, 1939.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than May 22, 1939.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

LESLIE FRAZER,
Chairman of the Committee on Enrollment and Disbarment.

Amendments to Amendments

Rule 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Interference Notice

U. S. Patent Office, *Washington, D. C., Apr. 1, 1939.*

Lehigh Silk Hosiery Mills, Inc., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Henry Mayer, 164–02 Thirty-third Avenue, Flushing, Long Island, N. Y., for registration of a trade-mark, and trade-mark registered August 20, 1929, No. 260,113, to Lehigh Silk Hosiery Mills, Inc., 294 Fifth Avenue, New York, N. Y. A notice of such proceeding sent by registered mail to said Lehigh Silk Hosiery Mills, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Lehigh Silk Hosiery Mills, Inc., its assigns or legal representatives shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Ohio) Dicks patent, No. 1,769,775, for hub for propellers, claims 1, 2, 3, 5, 6, 7, 8, and 9 *Held* invalid. *Hamilton Standard Propeller Co.* v. *Fay-Egan Mfg. Co.*, 101 F.(2d) 614.

(D. C. Pa.) Mostertz patent, No. 1,934,942, for loop pile fabric, *Held* invalid, and claims 2 and 5, if valid, *Held* not infringed. *Mostertz* v. *Quaker Pile Fabric Corporation*, 26 F. Supp. 250.

Disclaimers

1,915,041.—*Archibald L. Wallace*, Brooklyn, N. Y. Hose Coupling. Patent dated June 20, 1933. Disclaimer filed March 30, 1939, by the assignee, *Metal Hose & Tubing Co. Inc.*

Hereby disclaims claims 2, 3, and 6 of the aforesaid Letters Patent.

1,979,208.—*Carl M. F. Friden*, Piedmont, Calif. Recording Device. Patent dated October 30, 1934. Disclaimer filed March 30, 1939, by the assignee, *International Business Machines Corporation.*

Hereby enters this disclaimer to claims 5, 13 to 16 inclusive, 19, and 20 in said specification.

Condition of Applications Under Examination at Close of Business April 8, 1939

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,681; Trade-Mark Division, 1,539. Oldest new case, July 30, 1938; oldest amended, Aug. 18, 1938.) (The dates given are 1938 except where † indicates 1939) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 2	Nov. 16	700
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Oct. 7	Oct. 7	659
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 13	†Feb. 9	285
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Dec. 23	Nov. 14	424
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Jan. 11	†Jan. 11	559
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Sept. 22	Oct. 2	1093
5725	7. JARBOE, C. G., Optics; Photography	Dec. 29	Dec. 29	906
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Nov. 28	Nov. 22	893
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 17	Dec. 9	624
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 16	Jan. 12	640
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Dec. 21	Dec. 22	463
7701	12. HENRY, C. C., Machine Elements; Mechanical Starters; Stop Mechanisms	Oct. 4	Oct. 5	625
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 27	Oct. 27	706
5097	14. YUNG KWAI, B., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Jan. 13	†Jan. 16	472
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 7	Dec. 7	1112
5716	16. SPENCER, C. J., Telegraphy; Telephony	Oct. 15	Oct. 25	756
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Nov. 18	Oct. 31	484
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 3	Oct. 5	573
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 6	Nov. 18	442
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 23	†Jan. 21	307
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Dec. 29	Dec. 31	499
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Dec. 7	Dec. 7	778
7624	23. BUTTNER, W. J., Registers (part)	Aug. 25	Aug. 31	287
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 10	†Feb. 6	373
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 31	Dec. 31	395
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 9	Dec. 8	617
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Oct. 10	Aug. 22	969
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Jan. 3	Dec. 12	451
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 7	Nov. 23	615
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Oct. 19	Oct. 18	879
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 9	Jan. 9	646
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 31	Nov. 5	450
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	†Jan. 3	Dec. 8	724
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders; Draft Appliances.	†Jan. 27	Dec. 10	298
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Dec. 15	Dec. 7	574
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 2	Nov. 4	535
5896 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 3	Oct. 11	687
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Oct. 20	Oct. 20	558
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 12	†Jan. 11	511
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 8	Nov. 7	1430
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Oct. 21	Nov. 19	275
5882	42. CUTTING, H. O., Electric Signaling	Sept. 23	Sept. 27	617
4886 B	43. KLINGE, E. F., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 2	Dec. 2	497
4087 B	44. HARVEY, L. P., Refrigeration	Nov. 4	Oct. 21	640
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Nov. 21	Nov. 29	645
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 16	Nov. 16	673
6082	47. LOWE, E. R., Clutches; Brakes	Dec. 31	Dec. 17	378
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Jan. 14	†Jan. 14	365
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Sept. 21	Sept. 21	983
4701	50. BLAKE, C. L., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Oct. 5	Oct. 7	1226
5628	51. BACKUS, C. D., Radiant Energy (part)	†Jan. 3	†Jan. 3	708
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 31	Dec. 27	794
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Dec. 16	Dec. 19	592
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Jan. 21	†Jan. 14	340
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 30	Aug. 18	1295
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 8	Nov. 8	1075
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Dec. 17	Dec. 7	464
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 29	Jan. 20	365
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 28	Dec. 29	569
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 3	Dec. 3	470
6724	61. LAMAN, JAMES (Act.), Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Nov. 1	Nov. 4	518
5621	62. PUGH, E. C., Games; Geometrical Instruments	Dec. 29	Dec. 31	427
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Dec. 3	Dec. 2	411
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Dec. 2	Dec. 2	872
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Oct. 21	Nov. 5	586
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Mar. 1	Mar. 22	1474
	{Labels and Prints	Apr. 1	Apr. 1	65
2605	DESIGNS: H. H. KALUPY	Feb. 23	Mar. 16	897

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

GRAY *v.* JENKINS

No. 3,997. Decided January 23, 1939

[100 F.(2d) 196]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that the junior party G failed to establish conception of the invention prior to the filing date of the senior party J and that priority was properly awarded to J.

APPEAL from Patent Office. Affirmed.

Mr. Benjamin B. Schneider and *Mr. Edward B. Beale* for Gray.

Messrs. Parkinson and Lane (*Mr. Howard A. Hartman, Mr. Frederick Mason, Mr. Frederick Schafer, and Mr. Wallace R. Lane* of counsel) for Jenkins.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention to appellee.

The interference is between appellant's application, Serial No. 120,272, filed July 3, 1926, and appellee's application, Serial No. 723,144, filed June 30, 1924.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

The involved invention, which relates to the use of non-aqueous lime in oil cracking processes, is sufficiently described in the appealed counts. They read:

8. The process of converting higher boiling hydrocarbon oils into lower boiling hydrocarbon oils which comprises *heating a flowing stream of liquid oil to raise it to a cracking temperature, passing the heated oil into a converting vessel* under superatmospheric pressure, maintaining the oil in the vessel at a temperature suitable to active decomposition, leading away the evolved vapors, introducing a predetermined quantity of substantially nonaqueous lime *into the fresh oil stream, before it attains a cracking temperature,* and withdrawing during the process residual material and lime from the bottom of the converting vessel to prevent the accumulation of lime in the vessel. [Italics ours.]

9. The process of converting higher boiling hydrocarbon oils into lower boiling hydrocarbon oils which comprises *heating a flowing stream of the liquid oil to raise it to a cracking temperature, passing the heated oil into a converting vessel* under superatmospheric pressure, maintaining the oil in the vessel at a temperature suitable to active decomposition, leading away the evolved vapors, and *continuously* introducing a predetermined quantity of substantially nonaqueous lime *into the fresh oil stream before it attains a cracking temperature.* [Italics ours.]

10. In the process of converting higher boiling hydrocarbon oils into lower boiling hydrocarbon oils characterized by *heating a flowing stream of the oil to a cracking temperature, passing the hot oil into a converting vessel in which a substantial body of liquid oil is maintained,* continuously effecting decomposition of the oil in the vessel under superatmospheric pressure, the step of maintaining a predetermined and substantially constant quantity of substantially non-aqueous lime in the oil subjected to decomposition temperature. [Italics ours.]

Considerable evidence was introduced by the parties.

It is contended by counsel for appellant that the evidence establishes that appellant conceived the invention and disclosed it to others on or about April 7, 1924; that he was continuously active thereafter until he successfully reduced the invention to practice sometime between the first of June and the last of September, 1925; that appellee is not entitled to a date for conception of the invention prior to May 27, 1924; and that, therefore, appellant is entitled to an award of priority.

The Examiner of Interferences held that appellant had failed to establish conception of the invention prior to September 2, 1924; that appellee was entitled to a date as early as May 27, 1924, for conception; and that, as appellee was entitled to the filing date of his application, June 30, 1924, for constructive reduction to practice, he was entitled to an award of priority.

The Board of Appeals affirmed the decision of the Examiner of Interferences, although, in so doing, it expressed the view that appellee was probably entitled to a date in 1923, the precise month not being stated, for conception of the invention.

It appears from the record that in 1924 appellant was assistant manager in charge of research of the oil refining department of the Texas Company, producer and refiner of oil; that his office was located in New York city; and that, on April 7, 1924, he wrote a letter (appellant's Exhibit No. 2) to F. W. Hall, who on that date was chief chemist at the Port Arthur Works of the Texas Company, Port Arthur, Tex.

The pertinent part of Exhibit No. 2 reads:

You have been doing considerable work in testing out a number of distillates from different crudes as to the value of each one for cracking purposes.

I wish you would take a certain amount of distillate and run same through your experimental cracking unit to determine the yield obtained and the tests of the distillate and the residual oil, then take a sample of the same pressure gas oil and use in connection with this oil 2% of magnesium oxide, operate the still under the same pressures and temperatures and test the distillates.

After the use of the magnesium oxide also make a run using 2% of calcium oxide and make tests of the products. Hold the temperatures and pressures exactly the same in all cases.

I wish you would see whether the distillate is freer from hydrogen sulphide in one case than in the other and also whether the gasoline produced is better where the oxide is used in connection with it than where none is used.

If possible the oxide should be introduced with the charge if you are feeding the charge into the apparatus continuously.

Upon receipt of the letter, Hall made the following notation thereon: "Watson: Pl. make tests requested. H."

Watson, who was director of research of distillation and cracking of oils for the Texas Company at the Port Arthur Works, designated two of his subordinates, the witness Stapleton and one Johnston, who did not testify, to make the tests suggested in the letter.

The experimental cracking unit, referred to in appellant's letter (Exhibit No. 2), was described by the witness Stapleton in the following language:

It was a unit set up by the research laboratory at the Port Arthur Works in a manner duplicating Holmes-Manley vertical still operation, and consisted of measur-

ing tanks from which *charge to be processed was pumped to or around a preheater coil into the still*, a still approximately eight inches in diameter and four feet long. *Bottoms were drawn from this still to maintain a constant level.* Vapor from the still passed from the top of the still into the base of a fractionating tower, which was approximately four inches in diameter and six feet long and packed with Lessing rings. This tower was equipped with a closed coil in the top, through which oil was circulated to supply cooling to the tower to effect fractionation of the vapor entering the tower from the still. [Italics ours.]

It appears from the record that appellant's experiments were carried out under the direct supervision of the witness Stapleton, who testified that, although he originally considered using the preheater, he decided not to do so, and that the preheater was not used to heat the oil to a cracking temperature before it was passed into the converting vessel or still in any of the experiments or "runs" made prior to June, 1925, long after appellee had filed his application—June 30, 1924. Instead of using the preheater in the "runs" made on behalf of appellant in 1924, the oil was heated to a cracking temperature in the still itself. Furthermore, in a report, dated May 26, 1924 (appellant's Exhibit No. 41), a copy of which was sent to appellant, it clearly appears that the experts who performed the experiments in response to appellant's letter of April 7, 1924 (appellant's Exhibit No. 2), thought they were complying fully with appellant's request, although the preheater was not used and the oil was not heated to a cracking temperature before it passed into the still.

The first paragraph of the report (appellant's Exhibit No. 41) reads as follows:

Estimate 2000.
Port Arthur Works — Experiment No. 26.
Research Laboratory — May 26, 1924.

Introduction.

All but one of the series of runs *called for by Dr. Gray in his letter* on "Evaluation of Crudes" dated April 7, 1924, *have been made.* The *runs charging 2% calcium oxide* with the Pressure Gas Oil, and the runs charging the Gas Oil alone have been made. The runs charging magnesium oxide will be made in a few days and a detailed report will follow their completion. As outlined by Dr. Gray considerable care was taken to keep the temperatures and pressures exactly the same for all of these runs. The pressure used was 150 pounds, the still temperature 780° F., and the overhead vapor temperature 400° F. [Italics ours.]

Although appellant testified that, at the time he wrote the letter of April 7, 1924 (appellant's Exhibit No. 2), he had in mind that the oil would be heated to a cracking temperature by the preheater before it passed into the still or converting vessel, he must have known, as early as May, 1924, from the reports made by those carrying out the experiments on his behalf that the oil in which lime was introduced was not being preheated. Furthermore, there is nothing in the record to indicate that, prior to August 28, 1924, either appellant or any of the Texas Company's experts thought their experiments would have been more satisfactory had the oil containing lime been heated to a cracking temperature before it was passed into the still.

On August 28, 1924, approximately three months after appellee filed his involved application, appellant wrote a letter (appellant's Exhibit No. 87) addressed to F. T. Manley, Houston, Tex., who, at that time, was manager of the refining department of the Texas Company, in which, after stating that he had had Mr. Hall make some experiments wherein 2% of lime was used *"in the still"* [italics ours] during the experimental cracking, and after stating generally the results of those experiments, he said:

Do you think it would be a good idea to have an experiment made on one of the high pressure batteries by *feeding a certain amount of air-slacked lime in with the pressure gas oil and passing same through the preheater so that the lime would go into the pressure stills?* By so doing we might be able to cause the sulphur compounds to combine with the lime or other alkali and thus prevent the action of the sulphur on the sides of the stills and in the bubble towers. I believe it would result in a great deal less deposit of sulphide of iron in the bubble trays and thus avoid the necessity of having them cleaned as often as we do. The presence of the lime sulphide might have a tendency to keep the sides of the pressure stills cleaner and also, we would have a certain amount of lime sulphide deposit on the stirring mechanism which could be cleaned off very easily, as it is soluble in water.

It might not be possible, however, to pump the lime mixed with the pressure gas oil through the preheaters, due to the fact that the lime might be deposited and baked on the tubes. If such be the case, then it might be possible to pump this lime in the gas oil after it passes through the preheater and before it enters No. 1 still. *I think this is an experiment that should be made.* [Italics ours.]

That letter was received by the witness Manley on September 2, 1924, and appellant was given that date by the Examiner of Interferences for conception of the involved invention.

Each of the involved counts requires that a flowing stream of oil be heated to a cracking temperature before it is passed into the converting vessel. In addition, count 8 requires—

"introducing a predetermined quantity of substantially nonaqueous lime into the fresh oil stream, before it attains a cracking temperature";

count 9 requires that the non-aqueous lime shall be continuously introduced into the fresh oil stream before it attains a cracking temperature; and count 10 requires—

"maintaining a predetermined and substantially constant quantity of substantially non-aqueous lime in the oil subjected to decomposition temperature."

The tribunals of the Patent Office concurred in holding that appellant's letter of April 7, 1924 (appellant's Exhibit No. 2), did not disclose the invention defined by the appealed counts, and, therefore, refused to award appellant that date for conception of the invention. With regard to that exhibit, the Examiner of Interferences stated, in part, as follows:

The letter, Gray's Exhibit 2, itself does not express a complete conception of the invention recited in the counts as will be noted shortly, but it was addressed to those skilled in the art and acquainted with Dr. Gray, and it thus may have meant more as a disclosure than appears on its face. On its face it merely mentions the making of comparative runs in an experimental cracking unit using and not using predetermined amounts of oxides, among which was non-aqueous lime (2% calcium oxide), and using the same pressures and temperatures. It also mentions that the oxide should be fed with the charge if the charge were fed continuously. No preference, however, is voiced as to the continuity of the feed, nothing is stated equivalent to preheating the charge in a flowing stream to raise it to a cracking temperature as required in effect by all three counts and much that is possibly conveyed in it in regard to still structure and procedure, mentioned in the counts, is comprised in the words "your experimental cracking unit".

It will be observed that appellant did not state in Exhibit No. 2 that a flowing stream of oil should be heated to a cracking temperature before it was passed into the converting vessel, nor is there any suggestion of the desirability of such a step, unless the last paragraph of the exhibit contains such a suggestion. It reads:

"If possible the oxide should be introduced with the charge if you are feeding the charge into the apparatus continuously."

That language clearly suggests the desirability of introducing the lime into the charge (the oil) before it attained a cracking temperature, if the "charge" was being fed "into the apparatus continuously". What meaning that language conveyed to those skilled in the art to whom it was addressed, is the question first to be determined. It will be recalled that the witness Stapleton stated that the experimental apparatus consisted, among other things, of a "preheater coil", frequently referred to in the record as a "preheater", and a still or converting vessel, and that the charge could be "pumped to or around" the "preheater coil into the still". The function of the preheater was to heat the charge before it passed into the still. Accordingly, the question is presented, could the charge be fed into the apparatus continuously without heating it to a cracking temperature in the preheater before it was passed into the still? If it could, it is obvious that the exhibit does not suggest heating the charge to a cracking temperature before passing it into the still or converting vessel, as required by the counts.

The Examiner of Interferences was of opinion that the oil could be fed into the apparatus continuously without preheating it to a cracking temperature before it was passed into the converting vessel. In this connection, he said:

Also in the last paragraph of Gray's Exhibit 2 the contingency is noted that the charge might not be fed to the apparatus continuously. Lack of continuous feed through a preheating coil due to danger of coking would render it hard to secure reliable results and to make comparative runs which latter was what Dr. Gray desired * * *. It is considered that had Dr. Gray had in mind definitely to preheat the charge in a flowing stream to a cracking temperature he would have given more positive directions instead of expressing what amounts to an anticipation of non-use of a preheater * * *. Of course, the said last paragraph also infers that the feed might be continuous, *but this could take place without preheating the oil to a cracking temperature.* In this connection it may be noted that the blueprint, Gray's Exhibit 7, if the alterations added during the taking of testimony be disregarded, *shows the laboratory unit arranged for continuous operation and hence continuous charging, without the use of a preheater to raise the oil to a cracking temperature.* This blueprint bears the date, March 18, 1924, which was a scant three weeks before Dr. Gray wrote the letter, Gray's Exhibit 2, and it may have represented the extent of his knowledge at the time as to the laboratory apparatus structure * * *. [Italics ours.]

It clearly appears from appellant's Exhibit No. 7 (referred to in the decision of the Examiner of Interferences) that the experimental cracking unit was so arranged that, without using the preheater to heat the charge, the charge could be fed continuously into the still. Furthermore, it appears from the testimony of the witness Stapleton that, during the spring and summer of 1924, the experimental apparatus was so arranged that the charge could be, and, in fact, was, fed continuously into the still without using the preheater to heat it. Accordingly, the statement in appellant's Exhibit No. 2, that the lime should, if possible, "be introduced with the charge" if the "charge" was being fed "into the apparatus continuously", may have been, and so far as we are able to ascertain from the record was, written by appellant with the understanding on his part that the charge could be fed into the experimental cracking unit continuously without preheating it to a cracking temperature before it was passed into the still. Such an interpretation of the language in the last paragraph of appellant's Exhibit No. 2 is entirely consistent with the activities of appellant's experts, who apparently believed that they were complying fully with appellant's requests in performing the experiments without heating the oil to a cracking temperature (in the preheater) before it was introduced into the "still".

Much stress is laid by counsel for appellant on the fact that the preheater in the Texas Company's experimental cracking unit was not satisfactory when the experiments were performed in the spring and summer of 1924. It is urged by counsel that efforts were being made to secure a satisfactory preheater in order to carry out the suggestions made by appellant in his letter of April 7, 1924 (appellant's Exhibit No. 2), and that a satisfactory preheater was not developed until September or October, 1924. The difficulty with that argument is that it is not supported by the evidence. It clearly appears from the record that appellant's witnesses were attempting to secure a satisfactory preheater prior to the date of appellant's Exhibit No. 2, and that they continued their efforts until a satisfactory preheater was secured in September, 1924; nevertheless, it was not until June, 1925, that an experiment was performed by appellant's experts wherein lime was introduced into the charge, and the charge heated to a cracking temperature in the preheater before it was passed into the converting vessel. Furthermore, it appears from the testimony of appellant's witness Watson that one of the reasons the Texas Company made efforts to secure a satisfactory preheater was to avoid the necessity of applying directly to the wall of the still the high degree of heat necessary to raise the oil to a cracking temperature. The witness also testified that the laboratory results, so far as "quality and yield of the products" were concerned, were the same "when using and when not using the preheater". We quote from his testimony:

Q. 36. You also spoke before of difficulties in heating the still. What were these difficulties?

A. We had one case that I recall quite vividly, when the still ruptured on account of the heat being of too high a temperature. We observed the still to be quite red during the operation, and when the still was dismantled after the run we noticed there had been excessive scaling of the still wall.

Q. 37. And were you doing anything to avoid these difficulties?

A. We were attacking the problem from two standpoints. One of them was to design an internal heater so that the still wall resisting the pressure would not be subjected to the severe conditions. Furthermore, we were working on the design of a preheater so that less heat would be circulated in the still proper.

* * * * * * *

RDQ. 482. And with regard to the occasional use or non-use of the preheater in the experimental unit with relation to the use of the preheater in the Holmes-Manley vertical stills?

A. The results in the laboratory, from the standpoint of quality and yield of the products, were the same when using and when not using the preheater. Consequently, efforts were made to develop a preheater to obviate difficulties inherent to the addition of all the heat to the wall of the still in the laboratory. Furthermore, in either case, when using the preheater or not using the preheater, laboratory results were approximately the

same as the plant results, from the standpoint of yield and quality of products.

* * * * * * *

RXQ. 511. And I believe you testified in your redirect examination, Mr. Watson, that in the experimental still it made no difference whether the preheater was used or not, didn't you?

A. Yes sir, the result from the standpoint of yield and quality is about the same.

It is evident, we think, that the efforts to develop a satisfactory preheater were not made for the purpose of carrying out any suggestion which appellant's experts thought had been made in appellant's letter of April 7, 1924 (appellant's Exhibit No. 2).

We are of opinion that appellant has failed to establish conception of the invention in issue prior to September 2, 1924, when his Exhibit No. 87 was received by the witness F. T. Manley to whom it was addressed. As that date is subsequent to the filing date of appellee (June 30, 1924), it is unnecessary for us to discuss the evidence introduced by appellee relative to his activities prior to his filing date.

Subsequent to the filing of the record in this court, appellee filed a motion suggesting a diminution of the record by adding thereto the following documents:

1. Motion to dissolve on behalf of George W. Gray, filed on or about February 16, 1931.
2. Supplemental motion to dissolve on behalf of George W. Gray, filed on or about May 29, 1931.
3. And any official papers accompanying above items 1 and 2.
4. Twenty-five (25) printed copies of United States patent to Ulysses S. Jenkins, No. 1,226,526, granted May 15, 1917.

The motion was granted, subject, however, to the order of the court that the costs of printing the additional matter requested by appellee should be taxed on final decision.

We are of opinion that the additional matter so certified to the court was unnecessary to a proper determination of the issues in the case. Accordingly, the costs of printing the same will be taxed against appellee.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SCHMIDT

No. 4,041. Decided December 27, 1938

[100 F.(2d) 673]

PATENTABILITY—BORING MACHINE.

Certain claims for improvements in a boring machine *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. George H. Kennedy, Jr., (*Mr. Charles E. Riordon* of counsel) for Schmidt.

Mr. R. F. Whitehead (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for want of patentability over the cited prior art, claims 109, 110, 116, 117, and 118 of appellant's application for a patent. Said decision of the Board also affirmed the decision of the Examiner rejecting twelve other claims of appellant's application, but appellant has not appealed from the rejection of said claims. It appears that twenty-eight claims have been allowed.

Claim 109 illustrates the general subject matter involved and reads as follows:

109. In a double-end boring machine, a base, a reciprocatory carriage on the base, a rotary spindle at each end of the base, a source of power below the carriage and driving connections from said power source to the spindle at each end of the base, each driving connection having a clutch mechanism for controlling the spindle rotation independently of the operation of the power source, and means responsive to movement of the carriage for actuating each of the clutch mechanisms independently.

The references cited are: Barnes et al., 1,880,666, October 4, 1932; Ferris, 1,946,902, February 13, 1934; Alden, 2,000,553, May 7, 1935.

As indicated in the quoted claim, appellant's application relates to a boring machine, and it is contended by him that the claims before us involve improvements over the prior art, and that such improvements are inventive in character.

For present purposes the general nature of the apparatus involved in appellant's application will be outlined. It consists of a boring machine having a double tool head, one mounted at each end of the machine. The machine has a base; upon this base are horizontal guideways, over which is mounted a reciprocating carriage. This carriage carries a workholder, upon which the material to be operated upon is mounted, the workholder moving with the reciprocating carriage toward one or the other of the tool heads. The tool heads are mounted on bridge members placed over opposite ends of the guideways.

The carriage is reciprocated by a fluid motor consisting of a fixed cylinder and a piston connected to the carriage. The boring tools are driven by belts from a common motor. Interposed in the drive is a clutch member for each tool head and a separate brake for each, alternatively driving and stopping the spindles as the work material is advanced toward and retracted from the tools.

The reciprocation of the table is controlled by a system of valves, including a reversing slide valve and pilot valve. The operation is automatic, being accomplished by engagement of the pilot valve with a lever actuated by dogs properly positioned to actuate the valve at the proper time. A bleed port in each end of the reversing slide valve makes necessary an elapse of some time at the end of travel of the carriage for the escape of fluid in sufficient amount to permit reversal, causing a "dwell" of the carriage when it has completed its travel in either direction. Positive stops also place a definite limit on the distance traveled by the carriage. It should also be added that between the reversing valve and each end of the fluid motor cylinder is a rate control valve which, when operated by dogs properly positioned, reduces the rate of movement of the carriage during a certain stage of its travel.

The reversal of the piston in the cylinder in the fluid motor, and consequently the reversal of the carriage, is accomplished by connecting the fluid pressure source and the exhaust line, by means of the valve mechanism shown, alternately to opposite ends of the cylinder.

The clutch brake units are controlled by connections to the fluid lines leading to the ends of the table propelling cylinder. By this means the clutch for either tool head is engaged while the carriage is proceeding toward it, and its brake is energized when the table is reversed. Manual controls for the table and clutch-brake units are also provided, but this feature is not involved in the issue here.

The above is a description in general terms of the mechanism here involved.

The patent to Barnes et al. is for a single head boring machine. In this patent, however, the work table is reciprocated by a cam on a shaft driven by a clutch from a motor. The cam carries a dog for throwing out the clutch to stop the machine at the end of one revolution, which is a complete cycle of operation. The tool head in this patent is driven from a second motor by means of a clutch-brake device; this clutch-brake mechanism is also operated by a cam carried by the same shaft which carries the cam for reciprocating the work table. The sequence of operation consists of engaging the clutch to operate the tool head when the work table approaches the tool, and releasing the clutch and applying the brake as the table is retracted.

The Ferris patent relates to a single head machine, such as a boring machine or lathe; it shows a reciprocable tool carriage which is moved by a fluid pump unit, the direction and rate of movement being controlled by a valve shown. Means is provided for a positive stop to prevent further movement of the carriage when it has reached the end of its travel; means is also provided for delaying the reversing of the carriage at the end of its travel, the period of delay being adjustable by valve means shown.

The Alden reference deals with a double-end machine, having a reciprocating work table controlled in direction and speed by a fluid motor. In this patent the spindles on the separate tool heads are driven by individual motors, which are supplied with brake and clutch mechanisms; each motor has an electric switch which controls it, the switch being closed by a piston when a given motor is to be operated, and the brake for such motor being released by the same piston.

The Board of Appeals considered the claims in four separate groups. Appellant's counsel in his brief intimates that it was improper for the Board to do so, and that perhaps this method of handling the claims resulted in the Board's failure to appreciate what appellant contends are the patentable features of his claims. Responding to this contention, it may be said that the Examiner made separate examination of the claims. Under the doctrine announced in *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78, 433 O. G. 223, the affirmance of the Examiner's decision by the Board has the legal effect of a rejection upon the grounds and references cited by the Examiner, and not expressly reversed by the Board. As a matter of fact the Board allowed one claim, No. 111, which the Examiner had rejected, which would seem to indicate that, while treating the claims in groups for the purpose of its decision, the Board actually considered each claim separately.

With respect to those elements of the claims before us which appellant contends render them patentable, it may be said generally that, for the most part, such elements are not shown in the references, but it was held by the Patent Office tribunals that the placing of such elements in the combination required only the exercise of mechanical skill, or that such elements were merely the equivalents of elements shown in the references.

No useful purpose would be served in analyzing each claim in view of the question involved, but to illustrate the general nature of appellant's contentions we will discuss claim 109 at some length.

This claim was rejected by the Examiner on the references Alden and Barnes. The Examiner held that there was no invention in substituting a single source of power for the whole machine and clutches for the spindle drives instead of the individual motor drives for spindle and fluid pump in the Alden patent, and that such drives are common and are interchangeably used in machines; he further held that the substitution of the common power source and clutches made no difference in the operation of the machine. With reference to the Barnes et al. patent the Examiner held that the single source of power for both tools and table shifting means disclosed by appellant is immaterially different from the separate motors shown in Barnes as connected to those elements. The feature of having tool heads at each end of the machine was held not to be patentable in view of Alden, the Examiner holding that furnishing a common source of power for the two tool heads was an obvious variation of conventional power drives. With respect to the controls for the clutches, the Examiner held this to be met in Barnes et al., and he further held that the control shown in the application is only a mechanical alternative to the identically operated switch control for the motors shown in Alden.

The Board of Appeals considered claim 109 as one of a group of claims, Nos. 101 to 109, inclusive, of which claim 109 alone is before us. With respect to this group the Board stated:

In general, the claims of the first group referred to involve the utilization of a single motor for reciprocating the work support and for rotating the boring tool and the stopping of the tool rotation through the use of clutch and brake mechanism.

In the Barnes et al. patent relied on by the Examiner, the tool is rotated from the motor located underneath the reciprocatory carriage, as specified in certain of these claims, but a separate motor is provided for producing the reciprocation of the carriage.

In the Alden patent a fluid motor is utilized to effect carriage reciprocation and individual electric motors are provided for each spindle, these motors being directly connected to the spindles and being controlled by switches and brakes. It is the Examiner's view that it would not amount to invention to utilize a single motor instead of two motors, as taught by Barnes et al. or to use a single motor in lieu of the several motors employed by Alden.

Appellant urges that it would be impossible with the arrangement shown by Barnes to provide a single source of power for the spindles and carriage reciprocating means. This contention appears to be based on the different rates of speed at which the spindle and cam drum are driven. We see no difficulty in providing suitable gear ratios to give any desired speed rate to these elements.

We think claims such as 101, which involve the mere substitution of a single motor for two motors in a construction such as shown by Barnes et al. are clearly unpatentable. * * * Barnes clearly teaches that a boring tool can be controlled through the use of clutch and brake mechanism when driven by a power means located beneath the work-supporting carriage. The substitution of this driving expedient for the expedient used by Alden seems to us a matter requiring no more than mechanical skill. We also think it an obvious alternative to employ a single motor for all power requirements instead of a plurality of motors, if desired. The obtaining of the proper speed is clearly a matter of proper gear ratio and a problem which could readily be solved by any mechanic.

Appellant argues in his brief that the decisions of the tribunals of the Patent Office were erroneous, and that claim 109 is patentable by reason of that element reading "and means responsive to movement of the carriage for actuating each of the clutch mechanisms independently". He insists that in Barnes et al. the clutch mechanism there shown controls only the one set of boring spindles, and that Barnes had no conception of controlling the clutch mechanism for the spindles by "means responsive to movement of the carriage". With respect to the Alden patent, it is emphasized by appellant that Alden shows two tool heads, each of which has within it a driving motor, and he argues that this distribution of weight was conducive to a top-heavy condition of the machine which was highly undesirable and resulted in vibration being transmitted to the spindles with a resulting adverse effect on the quality of work performed. Appellant makes other contentions regarding the failure of the references to meet claim 109, all of which have been carefully noted and studied.

The gist of appellant's argument seems to be that he has succeeded in accomplishing superior results with his structure. It may be conceded, as we think was done by the tribunals of the Patent Office, that no one of the references or combination of references will show the exact details which he discloses. Even so, the question remains whether such adaptations of prior art disclosures and such changes as appellant has made constitute an exercise of the inventive faculty.

The Patent Office tribunals found in the negative; we have carefully analyzed all of the contentions of appellant in behalf of the patentability of claim 109, with the result that, while we recognize that appellant's structure involved modifications of the prior art structures, we are not convinced that the Patent Office tribunals were clearly wrong in holding that the claim here under discussion did not involve elements which render it patentable, and we therefore think, under the well-established rule, that the decision of the Board with respect to this claim should be affirmed.

With respect to the remaining claims, as hereinbefore indicated, we will not enter into a detailed analysis of each of them.

The Patent Office tribunals have held that these claims lack patentability. We have carefully considered appellant's discussion in the brief of his counsel and upon oral argument respecting those elements of each of said claims which he contends render them allowable, but he has failed to satisfy us that the Patent Office tribunals erred in holding that the addition of such elements did not require the exercise of the inventive faculty.

It should be remembered that the Barnes and Ferris patents are for single head boring machines, and only the patent to Alden is for a double head machine. Naturally, in modifying a single head machine to produce a double head machine, or in adapting a double head machine having multiple power sources to produce a double head machine using a single power source, many elements would be necessarily utilized, the use of which would be obvious to one skilled in the art, with all three of the patents before him. The Patent Office tribunals have, in effect, so characterized the elements in the claims before us and, as above indicated, we are not satisfied that they erred in so doing.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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1,449,252, J. E. Stout, Automatic phonograph; 1,800,803, 1,875,641, W. R. Moore, Jr., Automatic talking machine; 1,837,608, Bodwell & Bellows, Combined talking machine and advertising device; 2,125,706, B. F. Wupper, Phonograph; Re. 20,818, P. H. Smyth, Jr., Selective phonographic playing machine, filed Dec. 14, 1938, D. C., W. D. Ky., Doc. 32, *Rock Ola Mfg. Corp.* v. *J. Weinberger et al.*

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1,495,038, C. Barbieri, Automatic cup forming machine; 1,535,757, same, Sundae cup forming machine; 2,088,832, same, Container; 2,049,418, same, Cup machine; 2,049,419, same, Process of making containers; 1,610,192, same, Conical paper cup and process for making same; 1,495,039, P. T. Potts, Sanitary cup making machine; 1,495,041, same, Cup assembling attachment for cup forming machine; 1,584,736, D. F. Curtin, Paper-cup former; 1,594,617, R. Holman, Cup forming machine with stacking attachment; 1,598,710, H. Carle, Machine for making containers, filed Feb. 11, 1939, D. C., N. D. Ill., E. Div., Doc. 354, *Dixie-Vortex Co.* v. *Paper Container Mfg. Co.*

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1,716,962, H. L. Johnson, Water propulsion device; 1,763,970, same, Stream line construction; 2,067,533, same, Spark plug cover, filed Jan. 19, 1939, D. C., N. D. Ill., E. Div., Doc. 274, *Johnson Bros. Engineering Corp. et al.* v. *Muncie Gear Works, Inc., et al.*

1,719,785, 1,727,908, M. M. Scharf, Sewing machine, filed Feb. 9, 1939, D. C., S. D. N. Y., Doc. 2/331, *M. M. Scharf* v. *Umbrella Tip-On Corp. et al.*

1,719,805, 1,796,649, 1,797,912, L. Hammond, Alternating current clock, D. C. Del., Doc. E 1190, *The New Haven Clock Co.* v. *The Hammond Clock Co.* Consent decree dismissing bill Feb. 6, 1939.

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1,736,544, H. E. Mead, Cigar lighter; 2,117,232, 2,140,311, J. H. Cohen, same, filed Feb. 20, 1939, D. C. Conn. (New Haven), Doc. 97, *The Automatic Devices Corp.* v. *The Cuno Engineering Corp.*

1,763,970. (See 1,716,962.)

1,786,835. (See Re. 18,118.)

1,796,649. (See 1,719,805.) 1,797,912. (See 1,719,805.)

1,799,471. (See Re. 16,878.)

1,800,803. (See 1,449,252.)

1,802,652. (See Re. 18,118.)

1,837,608. (See 1,449,252.)

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1,880,192. (See 1,855,916.)

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1,936,451, O. G. Hildebrand, Portable lamp; Des. 104,845, E. R. Goodman, Wall bracket lamp, filed Feb. 16, 1939, D. C., N. D. Ohio, E. Div., Doc. 19712, *Railley Corp.* v. *The Frankelite Co. et al.*

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1,954,443, C. E. Doolin, Dough dispensing and cutting device; 2,002,053, same, Corn product and method of making same, D. C., S. D. Calif., C. Div., Doc. 1466–RJ, *The Frito West Coast Co. et al.* v. *T. Horton et al.* Dismissed without prejudice Feb. 9, 1939.

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1,963,349. (See 1,855,916 and 1,880,192.)

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2,002,053. (See 1,954,443.) 2,049,418. (See 1,495,038.)

2,049,419. (See 1,495,038.) 2,067,533. (See 1,716,962.)

2,088,832. (See 1,495,038.)

2,093,844, 2,113,355, 2,123,574, 2,123,575, 2,123,576, P. M. McKenna, Hard compositions of matter; 2,093,845, 2,113,356, same, Method of producing hard compositions of matter; 2,113,353, same, Tungsten titanium carbide. $WTiC_2$; 2,113,354, same, Process of preparing tungsten titanium carbide; 2,124,509, same, Carbides of tantalum and like metals and method of producing same, filed Feb. 20, 1939, D. C., W. D. Pa., Doc. 223, *Vanadium-Alloys Steel Co.* v. *P. M. McKenna* (*McKenna Metals Co.*).

2,093,845. (See 2,093,844.) 2,113,353. (See 2,093,844.)

2,113,354. (See 2,093,844.) 2,113,355. (See 2,093,844.)

2,113,356. (See 2,093,844.) 2,117,232. (See 1,736,544.)

2,123,574. (See 2,093,844.) 2,123,575. (See 2,093,844.)

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Re. 19,377. (See Re. 16,878.)

Re. 19,378. (See Re. 16,878.)

Re. 20,818. (See 1,449,252.)

Des. 78,499, R. L. Barton, Combination sink and laundry tray; Des. 78,500, same, Combined wash board and laundry tray, filed Feb. 14, 1939, D. C., S. D. Calif., C. Div., Doc. 236–Y, *R. L. Barton et al.* v. *Crane Co. et al.*

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Des. 104,208. (See Des. 104,206.)

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Des. 104,836, Des. 104,837, H. O. Ebeling, Plate, D. C., S. D. N. Y., Doc. E 86/76, *Ebeling & Reuss, Inc.*, v. *Taiyo Trading Co.* Consent decree for plaintiff (notice Feb. 17, 1939).

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T. M. 343,385, Chapin & Gore, Inc., Whiskey; Label 48,815, same, Straight bourbon whiskey, filed Feb. 15, 1939, D. C., N. D. Ill., E. Div., Doc. 363, *Chapin & Gore, Inc.*, v. *C. O. C. Distributing Co.*

Label 48,815. (See T. M. 343,385.)

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

EX PARTE THE GLIDDEN COMPANY, Serial No. 405,497.

In a decision rendered March 6, 1939 (163 Ms. Dec. 240, 40 U. S. P. Q. 629), *Assistant Commissioner Frazer* held that The Glidden Company, of Cleveland, Ohio, is entitled to register, under the act of 1905, the term "Alpha", as a trade-mark for protein compound for use in adhesives, plastics, paints, etc., overruling the Examiner's objection that the term is merely geographical.

In his decision, after referring to the decision in *Ex parte Tex-O-Kan Flour Mills Co.*, 491 O. G. 713, 37 U. S. P. Q. 416, in which it was held that a particular word or term should clearly appear to have a generally accepted geographical meaning before it could be rejected on that ground, he said:

"I doubt that 'Alpha' is such a word. It is the name of a small town in New Jersey, and in that relation is, of course, geographical; but that is not a generally accepted nor a generally known meaning. Such limited geographical significance as the word may have does not, in my opinion, prohibit its registration as a trade-mark."

EX PARTE THE GLIDDEN COMPANY, Serial No. 389,682.

In a decision rendered March 6, 1939 (163 Ms. Dec. 239, 40 U. S. P. Q. 629), *Assistant Commissioner Frazer* held that The Glidden Company, of Cleveland, Ohio, is not entitled to register, under the act of 1905, the notation "Time-Tested" as a trade-mark for paints, since the mark is merely descriptive of the goods.

In his decision, after stating that the Examiner had held the term is clearly illustrative of durability and giving his reasons for that conclusion, the Assistant Commissioner said:

"Applicant, on the other hand, contends that the mark merely suggests that the products to which it is applied have been 'tested and proved by long time public use and acceptance'. If so understood by the purchasing public it is possible that the mark could be held to be suggestive rather than descriptive. It is my opinion, however, that the Examiner's interpretation would be shared by a great many persons. If so the alternative meaning does not avoid the statutory bar to the registration of marks 'which are descriptive of the goods with which they are used, or of the character or quality of such goods'."

PEPSI-COLA COMPANY *v.* FRANK H. BARANOWSKI, Opposition No. 17,185.

In a decision rendered March 7, 1939 (163 Ms. Dec. 242, 40 U. S. P. Q. 630), *Assistant Commissioner Frazer* held that the opposition was properly dismissed where it appeared that prior to its being reached for hearing another opposition to the registration of the same mark had been sustained and no appeal taken therefrom.

In his decision, after stating the facts, the Assistant Commissioner said:

"Applicant no longer had pending an application to register his mark, and the only relief sought by opposer was that such mark be refused registration. To have rendered a decision on the merits would have been to adjudicate a right no longer claimed to exist and no longer capable of assertion. In refusing to do so futile a thing it is my opinion that the Examiner was clearly warranted, and opposer has cited no authorities to the contrary."

FRANKFORT DISTILLERIES, INCORPORATED, *v.* KASKO DISTILLERS PRODUCTS CORP., Opposition No. 16,743.

In a decision rendered March 7, 1939 (163 Ms. Dec. 241, 40 U. S. P. Q. 630), *Assistant Commissioner Frazer* held that Kasko Distillers Products Corp., of Philadelphia, Pa., is entitled to register the notation "Maryland Rose" as a trade-mark for whisky, notwithstanding the prior adoption, use and registration, by Frankfort Distilleries, Incorporated, of Louisville, Ky., of the mark "Four Roses" registered both in words and pictorial form, as a trade-mark for the same goods.

In his decision, after noting the argument on the question of confusion, the Assistant Commissioner said:

"I am unable to believe that such confusion would be reasonably likely to occur. The marks must be considered as a whole, and when so considered applicant's mark, 'Maryland Rose', has but little in common with opposer's mark, 'Four Roses'. I think that purchasers would have no difficulty in distinguishing between the two.

"Opposer points out that its 'Four Roses' whisky is often referred to by the single word 'Roses'; but no claim is made that this word alone has ever been used by opposer as a trade-mark, or in a manner analogous thereto. Moreover the word does not occur in applicant's mark, nor is there anything in the record to indicate that applicant's similar word, 'Rose', is ever used alone; and the presumption is that it will be used only in association with the equally prominent word, 'Maryland'."

Then, after noting that space in opposer's brief is given to various matters appearing on applicant's labels only, he said:

"The only question here presented, however, is whether or not the trade-mark shown on applicant's drawing is confusingly similar to opposer's trade-mark. Applicant's labels are not in issue, and no opinion need be expressed as to the propriety of their subject matter."

Then, with reference to the refusal of the Examiner of Interferences to enter applicant's disclaimer of the term "Maryland", he said:

"His ruling in that regard will not be disturbed. It does not affect the rights of the parties in so far as this proceeding is concerned, and if applicant finally prevails the disclaimer may be presented to the Examiner of Trade-Marks for appropriate action."

EX PARTE CELANESE CORPORATION OF AMERICA, Serial No. 399,032.

In a decision rendered March 10, 1939 (163 Ms. Dec. 243, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that Celanese Corporation of America, of New York, N. Y., is not entitled to register, under the act of 1905, the notation "Celcool" as a trade-mark for men's and women's underwear and sport shirts, in view of the prior registration of the mark "Celco" for goods which are

in part the same as those described in the applicant's application.

Then, after noting applicant's argument that his mark differs from the registered mark in sound, appearance, and connotation, the Assistant Commissioner said:

"It is my opinion that in sound and appearance the two marks are quite similar. In significance, if that were the only consideration, it may be that they are sufficiently different to insure against confusion; but significance alone is not of controlling importance." (Citing and quoting from *Kroger Grocery & Baking Co. v. Blue Earth Canning Co.*, 24 C. C. P. A. 1098, 88 F.(2d) 725.)

THE VISCOL COMPANY *v.* VALVOLINE OIL COMPANY, Opposition No. 17,131.

In a decision rendered March 10, 1939 (163 Ms. Dec. 244, 40 U. S. P. Q. 670), *Assistant Commissioner Frazer* held that Valvoline Oil Company, of Cincinnati, Ohio, is not entitled to register the term "Viscote", as a trade-mark for lubricating oils and greases, in view of the prior adoption and use by The Viscol Company, of Stamford, Conn., of the term "Viscol" as a trade-mark for "oils and greases for waterproofing, making flexible, stuffing, finishing, and improving the texture of leather and fibrous goods".

In his decision, after stating that he was constrained to agree with the Examiner of Interferences that the goods were of the same descriptive properties and the marks confusingly similar, the Assistant Commissioner said:

"As pointed out by applicant, the goods differ in many respects. They are not used for the same purpose, nor are they ordinarily sold through the same stores or to the same class of purchasers. They are, however, merely different types of 'oils and greases', and to hold that they are not of the same descriptive properties would do violence to the language of the statute as interpreted by the courts.

"Several cases are cited in applicant's brief in support of its argument that the marks are not so nearly similar as to be likely to confuse the public or to deceive purchasers. No useful purpose would be served in discussing these cases, for as was said by the Court of Customs and Patent Appeals in *Langfield* v. *Brady*, 40 U. S. P. Q. 477:

" 'Decisions of this and other courts upon the question of confusing similarity of other marks not here involved cannot of course be controlling here, and are merely persuasive, for each case must be decided upon its own facts.' "

EX PARTE COLUMBIAN STEEL TANK COMPANY, Serial No. 405,383.

In a decision rendered March 14, 1939 (163 Ms. Dec. 246, 40 U. S. P. Q. 671), *Assistant Commissioner Frazer* held that Columbian Steel Tank Company, of Kansas City, Mo., is not precluded from registering a composite mark containing applicant's address written as "Kansas City, Mo. U. S. A." without removal of the letters "U. S. A."

In his decision the Assistant Commissioner said:

"Section 5 of the act of February 20, 1905, prohibits the registration of marks that consist of or comprise 'the flag or coat of arms or other insignia of the United States or any simulation thereof'; and there are decisions to the effect that the letters 'U. S.' or 'U. S. A.' fall within the definition of United States insignia. Standing alone that may be true, though even then it would seem that their geographical significance would constitute a sounder reason for refusing their registration. Here, however, it is obvious that the letters are used merely as a component part of applicant's address, and I think a disclaimer is all that may properly be required."

THE SEVEN-UP COMPANY *v.* JACOB BURSTEIN, Opposition No. 17,065.

In a decision rendered March 14, 1939 (163 Ms. Dec. 247, 40 U. S. P. Q. 671), *Assistant Commissioner Frazer* held that Jacob Burstein, of St. Louis, Mo., is not entitled to register, as a trade-mark for nonalcoholic carbonated beverages, the notation "Hy Up" conspicuously displayed upon a panel in association with what is described as a picture of the man in the moon, and the representation of a star in the sky, in view of the adoption and use by The Seven-Up Company, of St. Louis, Mo., of the terms "Seven Up" and "7 Up", as a trade-mark for nonalcoholic, noncereal, maltless beverages, sold as soft drinks.

In his decision the Assistant Commissioner, after stating that applicant cites numerous cases in support of his argument, and that he was not convinced that confusion was unlikely, said:

"A case more nearly in point than any of those on which applicant relies is that of *King Kola Manufacturing Co. v. Coca-Cola Co.*, (C. C. P. A.), 99 Fed.(2d) 983, decided since applicant's brief was filed. There, as here, the goods involved were so-called soft drinks. The mark sought to be registered, as described in the opinion, was 'the notation "King Kola", printed in block type arranged in V-shaped formation in association with the representation of a crown located within such formation'. The opposer's mark was 'Coca-Cola'."

Then, after quoting from the decision, he said:

"I think that language is equally applicable here, and that it is proper to compare merely the words of applicant's mark with the words of opposer's marks. So compared, it seems to me that the similarity in sound and appearance is at least as close as that existing between the marks considered by the court. I agree with applicant that the notations 'Hy Up' and 'Seven Up' or '7 Up' are different in meaning, but as pointed out in *Kroger Grocery & Baking Co. v. Blue Earth Canning Co.*, 24 C. C. P. A. 1098, 88 Fed.(2d) 725, that fact is not of controlling importance."

Then, with reference to applicant's argument that opposer had failed to prove its ownership of the registrations on which it relies, he said:

"An examination of the record satisfies me that such ownership is sufficiently established; but in view of the fact that these registrations would bar the registration of applicant's mark regardless of their ownership by opposer, I do not think it necessary to analyze the evidence in that regard."

GULF REFINING COMPANY (GULF OIL CORPORATION, ASSIGNEE, SUBSTITUTED) *v.* J. COHEN & SON, Trade-Mark Interference No. 2639.

In a decision rendered March 16, 1939 (163 Ms. Dec. 248, 40 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* held that J. Cohen & Son, of Peoria, Ill., is not entitled, as alleged assignee of The Neville Company, to register as a trade-mark for gasolene, a mark which includes the word "Traffic".

In his decision, after noting that of the four parties to the interference the Gulf Oil Corporation used the word "Traffic" alone and the other three, composite marks, and the Gulf Oil Corporation had proven use of its mark prior to the use of its mark by J. Cohen & Son, that the latter sought registration as assignee of The Neville Company but it did not appear at the time of the assignment or since that J. Cohen & Son had actually used the trade-mark shown on the drawing of, or on the facsimiles of record in, the Neville application which stated

that the mark was applied to the goods by applying it to transparencies that surmount the pumps from which gasolene is served at the service stations, the Assistant Commissioner said:

"Whether the use of the mark by the senior party would have attracted customers familiar with the mark through experience or by reputation, and whether the acquisition by the senior party of such customers would have constituted the acquisition of such good will and business in connection with which the mark was used by the assignor as would have supported the assignment need not be considered, since the assignee has not used the mark and carried on no business thereunder. In my opinion, it appears from the record that the senior party by the assignment did not actually acquire any good will or any business in connection with which the mark was used by The Neville Company, and therefore the assignment is not effective to give the senior party the right to be granted registration on The Neville Company application. *Mayer Fertilizer & Junk Company* v. *Virginia-Carolina Chemical Company*, 35 App. D. C. 425, 1910 C. D. 399."

CHARMS COMPANY *v.* NORRIS INCORPORATED, Cancellation No. 3221.

In a decision rendered March 17, 1939 (163 Ms. Dec. 251, 40 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* held that Norris Incorporated, of Atlanta, Ga., was not entitled to register the word "Charmant" for candy, in view of the prior use by Charms Company, of Bloomfield, N. J., of the word "Charms" as a trade-mark for the same goods, and that the registration of Norris Incorporated for the word "Charmant" should be cancelled.

In his decision after stating that the registrant argued that since its mark was registered by the Patent Office after the registration of the word "Charms" there was a presumption that the Trade-Mark Examiner found no likelihood of confusion and that since the marks had been used concurrently for upwards of eight years with no objection on the part of the Charms Company the inference is that the marks were not confusingly similar, the Assistant Commissioner said:

"All these points are pertinent and should be considered in reaching a conclusion on the issue of confusion. It seems to me, however, that an inference that petitioner, prior to raising objection to registrant's mark, did not then regard the marks confusingly similar, is not justified by the record, since such inference requires that petitioner knew of the use of registrant's mark at that time, and this is not shown definitely by the record. None of petitioner's witnesses testified as to knowledge of the use of registrant's mark at that time, and a mere presumption that petitioner must have known of registrant's mark at that time because of the publicity given the mark by registrant involves considerable doubt. Accordingly, in view of the record, an inference that petitioner, prior to the filing of the petition herein, considered that confusion would be unlikely to result from the concurrent use of the two marks, must be based on the presumption that petitioner was cognizant of the concurrent use, and since such presumption is doubtful, the inference, to my mind, is not established by the record with sufficient certainty to be accepted as supporting a conclusion that without doubt the concurrent use of the two marks would not be likely to result in confusion or mistake in the mind of the public or to deceive purchasers."

SACKRETE, INC., *v.* WILLIAM W. LILLARD, Cancellation No. 3184.

In a decision rendered March 21, 1939 (163 Ms. Dec. 253, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that William W. Lillard, of New York, N. Y., is not entitled to registration, under the act of 1905, of the term "Sackoncrete" as a trade-mark for concrete mixtures consisting of proportioned sand, rock and cement since the mark is merely descriptive of the goods and the petitioner Sackrete, Inc., of Cincinnati, Ohio, had shown injury.

In his decision the Assistant Commissioner said:

"• • • 'Sack' and 'concrete', however, are both commonly used words of well known meaning; and when respondent placed his concrete mixture in sacks and called it 'sack concrete', or 'Sackoncrete', he merely selected words that aptly describe his goods. Obviously the fact that other goods are included in the registration, of which the mark is not descriptive, is of no avail to respondent in this proceeding."

With respect to the question of injury, he said:

"Petitioner applied for registration of the notation 'Sakrete' as a trade-mark for 'sacks of concrete each comprising a commercial package of concrete aggregate', claiming use since July 14, 1936. The application was rejected by the Examiner of Trade-Marks in view of the registration here sought to be cancelled. It was to overcome this ground of rejection that the instant proceeding was instituted."

With respect to the question whether if the registration was cancelled petitioner would be entitled to register his mark, he said:

"• • • it may well be that respondent's use of his mark constitutes a bar to such registration; but that is a matter to be determined in an appropriate opposition proceeding in the event respondent sees fit to oppose. It is not intended that his right to do so shall be prejudiced by this decision. I am constrained to hold, however, that petitioner has been injured by the registration of respondent's mark, and is entitled to its cancellation."

CROWLEY-PEARCE CO. *v.* KELITE PRODUCTS, INC., Opposition No. 16,630.

In a decision rendered March 22, 1939 (163 Ms. Dec. 256, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that Kelite Products, Inc., of Los Angeles, Calif., is not entitled to register the term "Kelite" as a trade-mark for cleaning powders, cleaning paste, etc., in view of the use by Crowley-Pearce Co., of Vernon, Calif., of the term "Crolite" for substantially the same goods.

In his decision the Assistant Commissioner said:

"Resolving doubts against the newcomer, as must be done, I am of the opinion that the opposition was properly sustained. The marks as a whole are different in appearance, but when spoken I think the words 'Crolite' and 'Kelite' sound too nearly alike to be concurrently used on these particular goods without at least some probability of confusion."

WINGET KICKERNICK COMPANY *v.* BLOSSOM PRODUCTS CORPORATION, Oppositions Nos. 15,904 and 15,908.

In a decision rendered March 22, 1939 (163 Ms. Dec. 258, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that Blossom Products Corporation, of Allentown, Pa., is not entitled to register two marks as trade-marks for goods described as "ladies' panties", since these marks are merely descriptive of the goods and their registration would injure the opposer.

In his decision, after stating that one of the marks was described in the decision of the Examiner of Interferences as comprising "a partial representation in silhouette of a side view of a female figure, a dotted line extending thereacross at the waist line and another near the knee, and an approximately U-shaped dotted line appearing below and adjacent to the waist line. The sides of this U-shaped line are close to opposite edges of the figure and conform to its outline", and the other consisted merely of a horseshoe-shaped capital "U", the Assistant Commissioner held that the advertisements of opposer showed that its marks were used in a merely descriptive sense.

Then, with reference to the question of injury, he said:

"As already noted opposer also manufactures a garment of this same type, which may properly be described as having a U-shaped crotch as distinguished from the customary V-shaped crotch. As both of applicant's alleged trade-marks are aptly descriptive of such garments I think that opposer would be damaged by either of the proposed registrations, and by the same token that applicant is not entitled thereto."

HILLERICH & BRADSBY CO. *v.* NORTHWESTERN SPORTING GOODS CO., Opposition No. 17,183.

In a decision rendered March 22, 1939 (163 Ms. Dec. 257, 40 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* held that Northwestern Sporting Goods Co., of Chicago, Ill., is not entitled to register, as a trade-mark for golf clubs, the term "Par-Bilt" in view of the prior adoption and use by Hillerich & Bradsby Co., of Louisville, Ky., of the words "Louisville Power Bilt", for the same goods.

The ground of the decision is that the marks are confusingly similar.

In his decision after noting that the word "Bilt" is descriptive of the goods and disclaimed by the applicant, and that the word "Louisville" is geographical and therefore these words are lacking in trade-mark significance, the Assistant Commissioner said:

"Accordingly, considered as trade-marks, applicant's mark is dominated by the word 'Par' and opposer's mark is dominated by the word 'Power'. There is some similarity in the pronunciations of these words, and it is my opinion that quite likely persons would be apt to pronounce these words so similarly as to cause one to be misunderstood for the other and to result in confusion between them. Since these two words are the words in the marks which have the predominant trade-mark significance, it seems to me that confusion between these words, caused by similarity in their pronunciation, is likely to result in confusion between the entire marks. Confusion due to similarity in sound alone is sufficient to support an opposition to registration."

EX PARTE S. MAKRANSKY AND SONS, INC., Serial No. 369,199.

In a decision rendered March 22, 1939 (163 Ms. Dec. 255, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that S. Makransky and Sons, Inc., of Philadelphia, Pa., is not entitled to register, under the Trade-Mark Act of 1920, the words "Swivel-Weave" as a trade-mark for suits, coats, vests, pants, topcoats, etc., for men, since the mark has no trade-mark significance.

In his decision, after noting applicant did not take issue with the Examiner's ruling that the words themselves are devoid of trade-mark significance, but contended the mark should be held registrable because of its allegedly distinctive display, the Assistant Commissioner said:

"This contention appears to be based upon the fact that the first five letters of the word 'Swivel' are printed with a slightly backward slant, and the last four letters of the word 'Weave' with a correspondingly forward slant. That this arrangement lends nothing to registrability seems too obvious to merit discussion."

EX PARTE WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, Serial No. 77,376.

In a decision rendered March 22, 1939 (163 Ms. Dec. 255, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that the Examiner properly refused to register a print on the ground that it did not identify any article of manufacture.

In his decision, after noting the provision of the rule that a print to be registrable must describe the goods, the Assistant Commissioner said:

"In addition to certain decorative matter, and the word 'Rentschierizing' which admittedly refers to a process, it contains only the explanatory notation: 'Science's latest achievement in food preservation at no extra cost.' In a sense this may be said to be descriptive of the process, but a process is not an article of manufacture."

SCOTT PAPER COMPANY *v.* EAGLE STRAW CORPORATION, Opposition No. 16,904.

In a decision rendered March 24, 1939 (159 Ms. Dec. 260, 40 U. S. P. Q. —), *Assistant Commissioner Frazer* held that the Eagle Straw Corporation, of New York, N. Y., is entitled to register the term "Scotties" as a trade-mark for drinking straws, notwithstanding the prior use and registration by Scott Paper Company of the same word as a trade-mark for facial tissues and also for facial tissues, cleansing tissues, hygienic handkerchiefs made from paper, and absorbent tissues.

In his decision, after quoting from the decision of the Examiner of Interferences as to his reason for holding the mark unregistrable because of the materials from which the goods of the two parties were made, the Assistant Commissioner said:

"Neither party took testimony, so that the facts thus stated by the Examiner are necessarily unsupported by evidence. There is no proof in the record that either party is 'a manufacturer of paper articles', nor that drinking straws are 'commonly made of paper or the like', or they 'are in the nature of paper specialties'. These and the other facts stated were apparently assumed to exist, or to be within common knowledge. Such assumption, in part at least, would seem to be of rather doubtful propriety. *Lever Brothers Co.* v. *Butler Manufacturing Co.*, 24 C. C. P. A. 1000, 88 Fed.(2d) 842."

And then after stating that it might be considered as a matter of common knowledge that paper is sometimes used in the manufacture of drinking straws, he said:

"In all other essential characteristics cleansing tissues and drinking straws are so widely different that I am unable to agree, in the absence of proof, that they have common descriptive properties or belong to the same class of merchandise. This being true, 'confusion in trade will not be likely to result in a statutory sense' by reason of their sale under identical trade-marks. *General Mills, Inc.*, v. *Freed*, 24 C. C. P. A. 1171, 89 Fed.(2d) 664."

LANDON P. SMITH, INC., *v.* WALTER D. OSBORN, Opposition No. 16,421.

In a decision rendered March 30, 1939 (163 Ms. Dec. 261, 40 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* held that Walter D. Osborn, of Chicago, Ill., is not entitled to register a certain mark as a trade-mark for composition packing for shafts, pumps, valves, etc., in view of the prior adoption and use by Landon P. Smith, Inc., of Irvington, N. J., of the same mark as a trade-mark for a wide variety of small tools, machines and specialties, including kitchen dish mops, etc., glass

cutters, and other accessories for the glazier's trade, sand paper and other accessories for the paint trade.

The ground of the decision is that the goods are of the same descriptive properties and therefore the use of the same mark thereon would be likely to cause confusion.

In his decision he noted that it appeared from applicant's labels that his goods are packaged in the form of sticks and that some of the labels are adapted for packages of twelve small and six large packing sticks, and that the opposer's goods are sold in retail stores, hardware stores, etc., and many dealers selling these items also sell packings for pumps. He referred to certain decisions as showing that in determining whether the goods are of the same descriptive properties all factors are to be considered, including the likelihood of confusion and, with reference to decisions on the question of the same descriptive properties of certain goods other than those here involved, said that they are persuasive rather than controlling.

He then stated that while no instances of confusion had been shown, the question of likelihood of confusion was far from being free of doubt.

He noted that the goods of both parties were sold to and by the same dealers and related to the artisan trades, and were comparable in price and packaging, and said:

"* * * it would seem not at all unlikely that persons familiar with opposer's line of products would be confused and deceived as to the source of applicant's packages of pump packing sticks bearing a trade-mark substantially identical to the trade-mark by which opposer's line of goods is known. Further, these circumstances concerning the packaging, distribution and sale are such that when the type and the class of the goods involved and the likelihood of confusion as to their source are also considered, it seems to me applicant's packages of packing sticks and opposer's goods are goods of 'the same descriptive properties' in the sense in which that expression is used in the Trade-Mark Act of February 20, 1905, as amended. *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, [24 C. C. P. A. 956; 88 Fed.(2d) 324; 1937 C. D. 350]. In my opinion the opposition should be sustained."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 25, 1939

[VOL. 501. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 399,962. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 20, 1937.

NARVA

For Wood Pulp.
Claims use since Oct. 21, 1935.

Ser. No. 405,497. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 20, 1938.

ALPHA

For Isolated Vegetable Protein Sold for Use in Making Adhesives, Plastics, Paints, Insecticides, Sizings and Coatings for Paper, Textiles and Similar Fabrics, Medicines and Pharmaceutical Preparations and Food Products.
Claims use since July 3, 1935.

CLASS 2

Receptacles

Ser. No. 405,383. COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Apr. 18, 1938.



The lining on the drawing represents the colors red and yellow. The words "Manufacturers", "Tanks", "Kansas City, Mo.", and "U. S. A." are disclaimed except as used in conjunction with the mark.

For Sheet Metal Tanks, Sheet Metal Bins, Steel Barrels, Sheet Metal Silos, Carrying Cans, Garbage Cans, Trash Cans, Hog Troughs, Mortar Boxes, and Sheep Troughs.

Claims use since Apr. 15, 1915, on sheet metal tanks; since June 15, 1937, on sheet metal bins; since Apr. 21, 1935, on steel barrels; since June 1, 1930, on sheet metal silos; and since Apr. 21, 1935, on carrying cans, garbage cans, trash cans, hog troughs, mortar boxes, and sheep troughs.

Ser. No. 412,332. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed Nov. 3, 1938.

RITE PRICE

For Bags and Merchandise Envelopes of Cellophane or Similar Transparent Sheeting.
Claims use since July 15, 1938.

Ser. No. 415,329. EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 28, 1939.

KING KOOLER

For Insulated Container for Receiving and Preserving Ice Cubes and Foodstuffs.
Claims use since Nov. 18, 1937.

Ser. No. 416,095. THE EMFO CORPORATION, New York, N. Y. Filed Feb. 16, 1939.

TOUCHE

For Perfume Dispensers.
Claims use since Dec. 16, 1938.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 415,256. NATIONAL BRIEF CASE MFG. CO., Chicago, Ill. Filed Jan. 26, 1939.

NATIONAL NBC

For Portable Cases—Viz., Typewriter and Brief Case Combinations, Filing and Luggage Case Combinations, Luggage and Brief Case Combinations, Portable File Cases, Envelope Cases, Brief Cases, Secretarial Cases, Catalog Cases, Insurance Cases, Wallets, Correspondence Cases, and Dressing Cases.
Claims use since 1933.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 412,141. HERCULES POWDER COMPANY, Wilmington, Del. Filed Oct. 28, 1938.



For Soaps—Namely, Soluble Wax Soap, Sulfonated Castor Oil Soap, and Soluble Pine Oils for Use as Detergents or Cleansing Materials.
Claims use since Nov. 17, 1936.

Ser. No. 415,353. SALEM CHEMICAL & SUPPLY CO., Salem, Mass. Filed Jan. 28, 1939. Under 10-year proviso.

Salem

For Glass Cleaner.
Claims use since 1893.

Ser. No. 415,517. LE CLIFF DISTRIBUTING CO., Cedar Lake, Ind. Filed Feb. 2, 1939.

Le·Cliff

For Shoe Creams, Shoe Dressing, and Shoe Polishes.
Claims use since Dec. 16, 1938.

Ser. No. 415,566. GEORGE J. PRAECHTL, Pine Hill, Buffalo, N. Y. Filed Jan. 30, 1939.

TRIX

For Hand Soap Cleaner, Metal Polish, Silver Polish, and General Purpose Cleaner for Cleaning Marble, Terrazzo, Tile, Porcelain, China, Glassware, and the Like.
Claims use since Nov. 9, 1938.

Ser. No. 415,583. DENT-A-FIRM LABORATORIES, INC., Chicago, Ill. Filed Feb. 4, 1939.

DENT-A-FOAM

For Cleaner for Dental Plates.
Claims use since Jan. 28, 1939.

Ser. No. 415,733. THE N & W MANUFACTURING CORPORATION, Dunellen, N. J. Filed Feb. 7, 1939.

REX

For Chemically Treated Polishing Pads for Polishing and Cleaning Chromium Ware and Kitchen Utensils.
Claims use since Jan. 1, 1939.

Ser. No. 416,550. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Mar. 1, 1939.

PEPTEX

For Cleanser in Powdered Form Having Incidental Water-Softening Properties, for Cleaning Receptacles and Containers.
Claims use since Jan. 10, 1939.

Ser. No. 416,551. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Mar. 1, 1939.

SCALITE

For Cleanser in Powdered Form Having Incidental Water-Softening Properties, for Cleaning Receptacles and Containers.
Claims use since Jan. 16, 1939.

Ser. No. 416,552. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Mar. 1, 1939.

SANABRITE

For Cleanser in Powdered Form Having Incidental Water-Softening Properties, for Cleaning Receptacles and Containers.
Claims use since Jan. 23, 1939.

CLASS 5

Adhesives

Ser. No. 416,193. I. F. LAUCKS, INC., Seattle, Wash. Filed Feb. 18, 1939.

BONDITE

For Glues.
Claims use since Feb. 3, 1939.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 404,226. NATIONAL CARBIDE CORPORATION, New York, N. Y. Filed Mar. 18, 1938.

National Carbide

No claim is made to the word "Carbide" apart from the mark. The drawing is lined for red.
For Calcium Carbide.
Claims use since Sept. 12, 1936.

Ser. No. 407,585. ENDO PRODUCTS, INC., New York, N. Y. Filed June 17, 1938.

VITABEE

For Preparation Used to Supply Vitamin B_1 Through Injections.
Claims use since Sept. 1, 1937.

Ser. No. 410,337. THE ORGANITE COMPANY, Detroit, Mich. Filed Sept. 7, 1938.

ORGANITE

For Water and Brine Treating Composition for Rust and Scale Prevention and Removal, and Water Softening.
Claims use since Aug. 1, 1937.

Ser. No. 412,494. BURDICK LABORATORIES, Los Angeles, Calif. Filed Nov. 8, 1938.

TOLO

For Antiseptic Solution.
Claims use since 1903.

Ser. No. 412,565. TRANSPEC COMPANY, Toronto, Ontario, Canada. Filed Nov. 9, 1938.

Transpec

For Skin Lotion.
Claims use since June 22, 1938.

Ser. No. 414,258. ECCLESTONE CHEMICAL COMPANY, INC., Detroit, Mich. Filed Dec. 28, 1938.

BLUE BAND

For Souring Agents for Cleaning Purposes.
Claims use since Jan. 1, 1938.

Ser. No. 414,259. ECCLESTONE CHEMICAL COMPANY, INC., Detroit, Mich. Filed Dec. 28, 1938.

GREEN BAND

For Souring Agents for Cleaning Purposes.
Claims use since Jan. 1, 1938.

Ser. No. 414,260. ECCLESTONE CHEMICAL COMPANY, INC., Detroit, Mich. Filed Dec. 28, 1938.

RED BAND

For Souring Agents for Cleaning Purposes.
Claims use since Jan. 1, 1938.

Ser. No. 414,263. HICKOK OIL CORPORATION, Toledo, Ohio. Filed Dec. 28, 1938.

FILMSEAL

For Solvent Preparations, More Particularly for Use in the Removal of Carbon from the Cylinders of Reciprocating Pumps and Motors.
Claims use since Dec. 23, 1938.

Ser. No. 414,374. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 30, 1938.

PAREDRINOL

For Medicinal Agent to Stimulate Peripheral Neuromuscular Mechanisms Under the Control of the Sympa-

thetic Nervous System Simulating the Effects Produced by Ephedrine.
Claims use since May 16, 1938.

Ser. No. 414,375. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 30, 1938.

VERITOL

For Medicinal Agent to Stimulate Peripheral Neuromuscular Mechanisms Under the Control of the Sympathetic Nervous System Simulating the Effects Produced by Ephedrine.
Claims use since May 16, 1938.

Ser. No. 414,507. PYCOPE INCORPORATED, Jersey City, N. J. Filed Jan. 4, 1939.

Pycopé

PY-KO-PAY

For Tooth Powder.
Claims use since December, 1937.

Ser. No. 414,556. COLTON CHEMICAL CORPORATION, Orange, N. J. Filed Jan. 6, 1939.

AMYLPHEN

For Preparation for the Treatment of Dermatomycoses, Particularly Athlete's Foot.
Claims use since Dec. 22, 1938.

Ser. No. 414,673. THE WOOD RIDGE MANUFACTURING CO., INC., Wood Ridge, N. J. Filed Jan. 10, 1939.

ERBEX

For Medicament for Use on Burns, Scalds, and Minor Skin Diseases.
Claims use since Mar. 3, 1936.

Ser. No. 414,914. HOWARD GUY CRESS, doing business as C. F. P. Laboratories, Monticello, Ga. Filed Jan. 17, 1939.



The words "Cress" and "Foot Powder" are disclaimed apart from the mark. The portrait is fanciful.
For Powder Used in the Treatment of Athlete's Foot or Eczema of the Feet or Skin.
Claims use since Feb. 1, 1938.

Ser. No. 415,354. SALEM CHEMICAL & SUPPLY CO., Salem, Mass. Filed Jan. 28, 1939. Under 10-year proviso.

Salem

For Disinfectants, Germicides, Ammonia, Witch Hazel, Bay Rum, Hydrogen Peroxide, and Insecticides.
Claims use since 1893.

Ser. No. 416,315. COTY, INC., New York, N. Y. Filed Feb. 23, 1939.

Informal Fragrance

The word "Fragrance" is disclaimed apart from the mark.
For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Feb. 20, 1939.

Ser. No. 416,335. THE PEROXIDE CHEMICAL CO., doing business as Western Peroxide Co., St. Louis, Mo. Filed Feb. 23, 1939.

THYMOLOX

For Mouth Wash.
Claims use since October, 1934.

Ser. No. 416,366. JOHN K. BRATER & CO., New York, N. Y. Filed Feb. 24, 1939.

Asmarettes

For Medicinal Cigarettes for the Relief of Asthma and Throat Irritations.
Claims use since Feb. 6, 1939.

Ser. No. 416,382. ORBIS PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 24, 1939.

PRIVATE ESTATES

For Olive Oil for Medicinal Purposes and Oil of Peppermint for Medicinal Purposes.
Claims use since Apr. 13, 1936.

Ser. No. 416,401. KAY COMSTOCK, doing business as Comford Eye-Lets Co., Richmond Hill, N. Y. Filed Feb. 25, 1939.

COMFORD EYE-LETS

For Device Impregnated with Lotion To Be Applied to the Eyes.
Claims use since Oct. 1, 1938.

Ser. No. 416,447. DEL-JAY LABORATORY, Chicago, Ill. Filed Feb. 28, 1939.

E-Z RUB

The word "Rub" is disclaimed as apart from the mark.
For Liniment for External Use to Aid in the Relief of Head and Chest Colds, Coughs, Neuralgia, Muscular Soreness, Backache, Stiff Neck, Tired Aching Feet, and Wherever Aches and Pains Can Be Relieved with External Application.
Claims use since Feb. 15, 1932.

Ser. No. 416,695. ADELE MOREL, New York, N. Y. Filed Mar. 4, 1939.

Adele Morel

The trade-mark is the signature of the applicant.
For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Oct. 11, 1930.

Ser. No. 416,696. ADELE MOREL, New York, N. Y. Filed Mar. 4, 1939.

PARADISE EVE

For Face Powder, Dusting Powder, Toilet Water, Perfume, Suntan Oil, Skin and Hair Lotions, Brilliantine, Rouge Compacts, Powder Compacts, Lipsticks, Sachet Powders, Face Creams, Bath Salts, Talcum Powders, Rouges.
Claims use since Mar. 1, 1939.

Ser. No. 416,702. PEGGY SAGE, INC., New York, N. Y. Filed Mar. 4, 1939.

GOLDRUSH

For Nail Polish.
Claims use since Mar. 1, 1939.

Ser. No. 416,703. PEGGY SAGE, INC., New York, N. Y. Filed Mar. 4, 1939.

HEARTBREAK

For Nail Polish.
Claims use since Mar. 1, 1939.

Ser. No. 416,877. STEIN, HALL & COMPANY, INC., New York, N. Y. Filed Mar. 9, 1939.

CETOSOL

For Sizing or Finishing Agents for Textile Materials.
Claims use since Mar. 15, 1938.

Ser. No. 417,053. FINK-ROSELIEVE CO., INC., New York, N. Y. Filed Mar. 14, 1939.



For Photographic Preparations and Photographic Chemicals in Powder and Liquid Form.
Claims use since Sept. 24, 1938.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 416,425. GENE KAPP, New York, N. Y. Filed Feb. 25, 1939.

INSURANCE

For Pipes, Cigar Holders, and Cigarette Holders.
Claims use since Dec. 24, 1938.

Ser. No. 416,426. GENE KAPP, New York, N. Y. Filed Feb. 25, 1939.

SURETY

For Pipes, Cigar Holders, and Cigarette Holders.
Claims use since Dec. 24, 1938.

CLASS 10

Fertilizers

Ser. No. 402,705. ANACONDA COPPER MINING COMPANY, Anaconda, Mont., and New York, N. Y. Filed Feb. 5, 1938.



For Treble Superphosphate and Phosphate Used Either Separately as a Complete Fertilizer or in Combination with Other Materials in the Manufacture of Fertilizing Products.
Claims use since July 14, 1921.

Ser. No. 412,152. RADIX SOCIEDAD DE RESPONSABILIDAD, LIMITADA, Buenos Aires, Argentina. Filed Oct. 28, 1938.

RADIX

For Plant Growing Compounds in the Nature of a Chemical Substance to Cause and Subsequently Regulate the Development of Roots and Also to Bring About the Taking or Knitting of Grafts and the Remargination of the Surface Tissues of Plants.
Claims use since Oct. 24, 1938.

CLASS 12

Construction Materials

Ser. No. 403,094. SEMON BACHE & COMPANY, New York, N. Y. Filed Feb. 16, 1938.

MURAGLAS

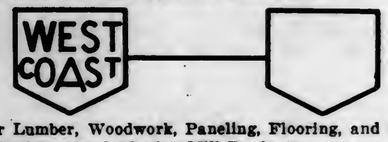
For Colored Glass Tiles.
Claims use since Oct. 9, 1937.

Ser. No. 412,479. WEST COAST LUMBERMEN'S ASSOCIATION, Seattle, Wash. Filed Nov. 7, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.

WEST COAST

For Lumber, Woodwork, Paneling, Flooring, and Other Standard Saw and Planing Mill Products.
Claims use since May 10, 1929.

Ser. No. 412,480. WEST COAST LUMBERMEN'S ASSOCIATION, Seattle, Wash. Filed Nov. 7, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.



For Lumber, Woodwork, Paneling, Flooring, and Other Standard Saw and Planing Mill Products.
Claims use since June 1, 1927.

Ser. No. 414,320. THE INSULITE COMPANY, Minneapolis, Minn. Filed Dec. 29, 1938.

AIRLITE

For Low Density Fiber Composition Board Blocks and the Like.
Claims use since Dec. 12, 1938.

Ser. No. 414,544. VEREINIGTE DEUTSCHE METALLWERKE AKTIENGESELLSCHAFT, Frankfort-on-the-Main-Heddernheim, Germany. Filed Jan. 5, 1939.

HEKU

For Bituminous Cements for Metal Clad Insulating and Waterproofing Material for Building Purposes.
Claims use since 1929.

Ser. No. 414,809. THE INSULITE COMPANY, Minneapolis, Minn. Filed Jan. 13, 1939.

BRIKLITE

For Coated Fiber Board Whose Coating Simulates Masonry Construction.
Claims use since July, 1938.

Ser. No. 415,098. ALLIED CONSTRUCTION CO., INC., Newark, N. J. Filed Jan. 23, 1939.

PERMOMETAL

For Plain and Enameled Metal Tile, Metal Partitions.
Claims use since Jan. 3, 1939.

Ser. No. 415,392. THE INSULITE COMPANY, Minneapolis, Minn. Filed Jan. 30, 1939.

INSULITE

For Sound Absorbing Board and Blocks, Asbestos Siding, Waterproof Fiber Board, Hot Pressed Boards, Waterproof and Tempered, Mineral Wool in Form of Batts, Loose and Granular, Roof Insulation, Plaster Base, Coated Fiber Board, Wallboard, Low Density Fiber Board, Building Papers, Plain and Waterproof, Fiber Board Coated to Simulate Masonry Construction.

Claims use on sound absorbing board and blocks since 1928; on asbestos siding since 1938; on waterproof fiber board since 1930; on hot pressed boards, waterproof and tempered, since 1930; on roof insulation since 1925; on plaster base since 1926; on coated fiber board since 1938; on wallboard since 1933; on low density fiber board since 1933; on building papers, plain and waterproof, since 1938; and on fiber board coated to simulate masonry construction since 1938.

Ser. No. 415,908. NATIONAL ENGINEERING PRODUCTS, INC., Washington, D. C. Filed Feb. 10, 1939.

BATTLESHIP

For Joint Sealing Compound.
Claims use since Oct. 11, 1938.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 413,957. PEQUOT WIRE CLOTH CO. INC., South Norwalk, Conn. Filed Dec. 17, 1938.



The word "Brand" is disclaimed apart from the mark.
For Wire Cloth.
Claims use since Jan. 4, 1918.

Ser. No. 414,125. TRU TEST MARKETING & MERCHANDISING CORP., Chicago, Ill. Filed Dec. 22, 1938.

TRU-TEST

For Radiator Air Valves, Faucets, Shower Fixtures, Wash Basins of Base Metal, Shoe Cleats, Globe Valves, Nails, Adjustable Window Screens of Wire Cloth, Baking Pans of Base Metal, and Metal Fence Posts.
Claims use since Sept. 14, 1938.

CLASS 15

Oils and Greases

Ser. No. 409,113. STATEN ISLAND HOME UTILITIES, INC., Port Richmond and Staten Island, N. Y. Filed July 30, 1938.



The word "Gasoline" is disclaimed apart from the mark.
For Gasoline.
Claims use since Jan. 3, 1936.

Ser. No. 415,682. W. H. BARBER COMPANY, Minneapolis, Minn. Filed Feb. 4, 1939.

PARAMOUNT

For Gasoline, Kerosene, Fuel Oil, Lubricating Oils, and Greases.
Claims use since Aug. 1, 1937.

Ser. No. 415,948. HAMMAN EXPLORATION COMPANY, Houston, Tex. Filed Feb. 11, 1939.



No claim is made to the words "Extra Good Gasoline" apart from the mark.
For Gasoline, Fuel and Lubricating Oil, and Greases.
Claims use since Nov. 5, 1938.

CLASS 16

Paints and Painters' Materials

Ser. No. 412,143. INDIA PAINT & LACQUER CO., doing business as India Lacquer Co., Los Angeles, Calif. Filed Oct. 28, 1938.



No claim is made to the word "India" apart from the mark.
For Paints in Dry, Paste, and Ready-Mixed Form; Paint Enamels, Prepared Shellac, Varnish, Lacquers, Stains, Lacquer Cutter in the Nature of a Thinner, Fillers, Sealer, Thinner, Turpentine, Boiled and Raw Linseed Oils, Enamel Oil, Gloss Oil, Enamel Reducer, Driers, Antique Paste in the Nature of a Finish for Painted Surfaces, Shingle and Fence Paint, Asphaltum Paint, Putty, Traffic Line Paint, Aluminum Paint, Synthetic Primer-Surfacer, Titanium Lead Zinc Paste, Synthetic Enamel, Raw Sienna in Oil, and Screen Lacquer.
Claims use since Dec. 8, 1928.

Ser. No. 412,498. CON-FERRO PAINT & VARNISH COMPANY, doing business as Evn-Cote Paint Co., St. Louis, Mo. Filed Nov. 8, 1938.



No claim is made to the word "Evn-Cote" apart from the mark.

For Varnish Stains and Paint Enamels.

Claims use since Sept. 19, 1938.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 410,447. ATLANTIC-PACIFIC MFG. CORP., New York, N. Y. Filed Sept. 12, 1938.

APCO

For Life Floats, Ring Buoys, Sea Anchors, Sea Anchor Drags, Boat Fenders, Mooring Buoys, Life Line Floats, Pick Up Buoys, Spray Hoods and Aprons, All for Use on or in Connection with Water Vehicles.

Claims use since July 12, 1938.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 415,938. CONGOLEUM-NAIRN INC., Kearny, N. J. Filed Feb. 11, 1939. Under 10-year proviso.

NAIRN

For Plain and Inlaid Linoleum for Floors, Walls, Counter and Desk Tops; Linoleum Tile, Cork Carpet, and Printed Felt Base Rugs and Floor Coverings.

Claims use since 1889.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 403,564. SIGNAL ENGINEERING & MFG. CO., New York, N. Y. Filed Mar. 1, 1938.

Wheelock STANDARDS

The word "Wheelock" consists of a facsimile of a portion of the signature of John H. Wheelock. No claim is made to the word "Standards" apart from the mark.

For Electric Signalling Apparatus, Comprising Bells, Relays, Horns, Circuit Controlling Devices, Fire Alarm Apparatus, and Telephone Signal Call Code Setting Devices and Signal Code Transmitting Devices.

Claims use since Jan. 1, 1937.

Ser. No. 411,697. KNAPP-MONARCH COMPANY, St. Louis, Mo. Filed Oct. 17, 1938.

GAD-A-BOUT

For Electric Curling Irons, Electric Food Mixers, Electric Corn Poppers, Electric Stoves, Electric Heaters, Electric Sadirons, Electric Toasters, Electric Sandwich Toasters, Electric Percolators, Electric Waffle Irons, and Electric Fans.

Claims use since May 21, 1938.

Ser. No. 412,568. THE UNIVERSAL MOTOR OILS COMPANY, Wichita, Kans. Filed Nov. 9, 1938.

EX-STA

The drawing is lined for red.

For Storage Batteries.

Claims use since June 29, 1938.

Ser. No. 413,147. LOUIS F. SCHWARZ, doing business as South Jersey Photo Laboratories, Oaklyn, N. J. Filed Nov. 25, 1938.

SYNCRO-FLASH

No claim is made to the word "Flash" apart from the mark.

For Electric Switches for Synchronizing the Operation of Lights with the Operation of Camera Shutters.

Claims use since Oct. 29, 1935.

Ser. No. 414,304. N. V. HOLLANDSCHE DRAAD-EN KABELFABRIEK, Amsterdam, Netherlands. Filed Dec. 29, 1938.

OZURIET

For Electric Cables, Wires, and Cords; Materials and Supplies Used for Mounting Electric Cables, Wires, and Cords; and Insulating Coverings for Electric Cables, Wires, and Cords.

Claims use since 1932.

Ser. No. 414,496. O. B. HUSKEY, doing business as Ignition-Ite Products Co., Los Angeles, Calif. Filed Jan. 4, 1939.

IGNITION-ITE

For Liquid Coating for Protecting Electrical Ignition Wires, Spark-Plugs, Distributor Caps, and the Like.

Claims use since Sept. 15, 1931.

Ser. No. 414,692. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Jan. 11, 1939.

BIKEALITE

For Electric Bicycle Lights.

Claims use since Jan. 3, 1939.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 412,411. JOHN J. FENNESSY, Scarsdale, N. Y. Filed Nov. 5, 1938.

FENNY

For Game Played with Movable Balls Similar to Billiard Balls.

Claims use since Oct. 1, 1938.

Ser. No. 416,784. JAY JOHNSON, Evanston, Ill. Filed Mar. 1, 1939.

IMPALI

For Tails for Artificial Flies.

Claims use since Jan. 15, 1935.

Ser. No. 417,280. WILLIS E. HASELWOOD, doing business as The Edwood Company, Elkhart, Ind. Filed Mar. 20, 1939.

Sun spot

For Fishing Lures.

Claims use since Feb. 1, 1939.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 396,004. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Aug. 4, 1937.



Applicant disclaims the words "Easy Cut" apart from the mark.

For Axes, Hatchets, Draw Knives, Chisels, Snips, and Bits.

Claims use since July 1, 1935.

Ser. No. 411,670. LOUIS ADLER, Hillcrest, Spring Valley, N. Y. Filed Oct. 17, 1938.

RELDA AIR STERILIZER & CLEANER

No claim is made to the words "Air Sterilizer and Cleaner" apart from the mark.

For Air Sterilizing Apparatus for Use as Accessory to Beer Tapping Systems.

Claims use since Aug. 24, 1938.

Ser. No. 412,473. UTICA CUTLERY COMPANY, Utica, N. Y. Filed Nov. 7, 1938.

KUTMASTER

For Base Metal, Hand Operated Grass, Hedge, Kitchen, Pruning, Bankers', Household, Pinking, Tailors', and Barbers' Shears; Base Metal Scissors—Viz., Ladies' Pocket Scissors, Paper Scissors, Electric Razors, and Paring Knives.

Claims use since September, 1937.

Ser. No. 412,943. CHERRY-BURRELL CORPORATION, Chicago, Ill. Filed Nov. 19, 1938.

Superplate

For Liquid Heat Exchangers of the Type Comprising a Plurality of Heat Transfer Elements Movably Mounted in Juxtaposed Relation in a Supporting Frame.

Claims use since Nov. 12, 1936.

Ser. No. 412,980. JACOB MILHANDER, Los Angeles, Calif. Filed Nov. 19, 1938.

CAP-WELD VAPOR CURE PROCESS

The words "Vapor Cure Process" are disclaimed apart from the mark.

For Vapor Cure Vulcanizing Steam Chamber and Tire Building Machine, a Unitary Article.

Claims use since Feb. 10, 1938.

Ser. No. 413,577. ECLIPSE COUNTERBORE COMPANY, Detroit, Mich. Filed Dec. 8, 1938.

MIKRO-LOK

The word "Lok" is disclaimed apart from the mark.

For Metal Boring Machine Tools.

Claims use since Nov. 5, 1938.

Ser. No. 413,683. THE PORTLAND COMPANY, Portland, Maine. Filed Dec. 10, 1938.

PORTCO

For Apparatus for Use in Cleaning or Otherwise Treating Interior or Exterior Surfaces or Both of Containers, Drums, Barrels, and the Like, with Fluids Under Pressure or Under Heat and Pressure, to Prepare Such Containers for Use or Re-use.

Claims use since Nov. 30, 1937.

Ser. No. 413,704. ECLIPSE COUNTERBORE COMPANY, Detroit, Mich. Filed Dec. 12, 1938.

MIKROLOK

The word "Lok" and the representation of the tool are disclaimed apart from the mark.
For Metal Boring Machine Tools.
Claims use since Dec. 2, 1938.

Ser. No. 414,079. JAMES H. OKELL, doing business as Okell Rotary Rig Company, Los Angeles, Calif. Filed Dec. 21, 1938.



OKELL

No claim is made to the surname "Okell" apart from the mark.
For Well Drilling Machinery—Namely, Portable Rotary Drilling Machines and Their Parts; Duplex Horizontal, Triplex Vertical Plunger Mud Pumps and Their Parts; Rotary Drilling Tables and Their Parts; Oil Well Drilling Equipment—Namely, Swivels and Their Parts, Friction Clutches and Their Parts, Hoisting Drums and Their Parts, Core Barrels and Their Parts.
Claims use since January, 1914.

Ser. No. 414,253. THE ACROTORQUE DRIVE AND POWER COMPANY, New Haven, Conn. Filed Dec. 28, 1938.

ACROTORQUE

For Hydraulic Hydro-Mechanical and Hydro-Electrical Transmissions and Mechanical Machine Valves for Fluid Control.
Claims use since June 8, 1938.

Ser. No. 414,457. HERBERT H. MACK, doing business as The Mosby-Mack Equipment Company, Topeka, Kans. Filed Jan. 3, 1939.

MO-MAK

For Turntables.
Claims use since Jan. 1, 1937.

Ser. No. 414,627. EVERSON MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 9, 1939.

STERELATOR

For Chlorine and/or Ammonia Metering, Feeding, and Absorbing Apparatus Used Where Water or Sewage is to be Treated with Chlorine or Ammonia Gas.
Claims use since Sept. 10, 1938.

Ser. No. 415,445. ENGINEERING AND RESEARCH CORPORATION, Riverdale, Md. Filed Jan. 31, 1939.

ERCO

For Machinery—Namely, Automatic Punching and Riveting Machines, Sheet Metal Forming Machines, Sheet Metal Shrinking Machines, Sheet Metal Stretching Presses, and Propeller Profiling Machines, and Parts for Such Machines, and Aircraft Engines and Parts Thereof.
Claims use as to automatic punching and riveting machines since on or about September, 1933; sheet metal forming machines since on or about February, 1934; propeller profiling machines since on or about August, 1935; sheet metal shrinking machines since on or about April, 1938; sheet metal stretching presses since on or about July, 1938; and aircraft engines and parts thereof since on or about December, 1938.

Ser. No. 415,487. J. K. SMIT & SONS, INC., New York, N. Y. Filed Feb. 1, 1939.

CLUSTERTITE

For Diamond Dressing Tools Comprising a Metal Holder and a Cutting or Abrasive Element Such as a Commercial Diamond.
Claims use since May 6, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 401,800. PHIL H. LASHER, doing business as Western Movie Supply Co., San Francisco, Calif. Filed Jan. 11, 1938.

Wesco

For Photographic Apparatus and Supplies—Namely, Cameras, Projectors, Carrying Cases for Cameras, Tripods, Neckpods, Tripod Heads, Projection Screens, Camera Projector Supports and Stands, Film Splicing Outfits, Including Film Splicer and Cement; Film Developing Outfits, Including Tanks and Hangers and Developing Thermometers; Print Tongs, Print Rollers, Photographic Lighting Equipment; Apparatus for Reproducing, Copying and Enlarging Photographic Pictures and Parts Thereof; Exposure Guides; Film Holding Containers; Color Film Assembly, Including Lens, Lens Mount, and Filters and Holding Clips.
Claims use since Aug. 30, 1937.

Ser. No. 412,255. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed Nov. 1, 1938. Under section 5b of the act of 1905 as amended in 1920.

HAMILTON

For Timing Machines, Speedometers, Tachometers, Odometers, Multometers, Electric Tachometer, Camera, Camera Speed Controls, Revolution Indicators, Instrument Dials and Scales, Electric Meters, Pointers, Springs, Pivots, Hands, and Jewels for Measuring and Scientific Instruments, Gauges, and Watch Rate Testing Machines.
Claims use since July 30, 1917.

Ser. No. 416,135. COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J. Filed Feb. 17, 1939.

GLAMOUR GIRL

For Sun Glasses.
Claims use since Feb. 14, 1939.

Ser. No. 416,342. SELSI COMPANY, INC., New York, N. Y. Filed Feb. 23, 1939.

LA REINE

For Opera Glasses.
Claims use since Sept. 11, 1937.

Ser. No. 416,373. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Feb. 24, 1939.

ALERT

For Bicycle Speedometers.
Claims use since Dec. 16, 1938.

Ser. No. 416,403. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind. Filed Feb. 25, 1939.

CHROMAT

For Ophthalmic Blanks and Lenses Tinted to Reduce Glare.
Claims use since Jan. 10, 1939.

CLASS 27

Horological Instruments

Ser. No. 416,232. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Clocks.
Claims use since June, 1923.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 410,137. HOFFMAN-GOODMAN MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 31, 1938.

CURVEX

For Finger Rings.
Claims use since Mar. 12, 1938.

Ser. No. 416,005. SOL E. WEINREICH, doing business as Weinreich Brothers Company, New York, N. Y. Filed Feb. 13, 1939.

L'Opéra

For Pearls.
Claims use since Oct. 15, 1928.

Ser. No. 416,579. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Mar. 1, 1939.

Fortune

For Silver Plated Flatware and Cutlery.
Claims use since Jan. 10, 1939.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 412,784. JOE WEIL, New York, N. Y. Filed Nov. 15, 1938.



The word "Whisk" is disclaimed apart from the mark.
For Whisk Brooms, Rubber Brushes, and Clothes Brushes.
Claims use since Mar. 17, 1938.

Ser. No. 416,231. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

For Brushes—Namely, Hair, Hat, Cloth, Nail, Tooth, Hand, and Baby Brushes.
Claims use since June, 1927.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 416,293. THE EDWIN M. KNOWLES CHINA COMPANY, East Liverpool, Ohio, and Newell, W. Va. Filed Feb. 21, 1939.

AMERICAN TRADITION

No claim is made to "American" apart from the mark.
For Ceramic Dinnerware.
Claims use since Feb. 11, 1939.

CLASS 31

Filters and Refrigerators

Ser. No. 417,160. CHARLES W. BALL, Seattle, Wash. Filed Mar. 17, 1939.

DRICYAIRE

For Dry Ice Refrigerators.
Claims use since Jan. 23, 1939.

Ser. No. 417,167. FILTERMASS MANUFACTURING CO., INC., Long Island City, N. Y. Filed Mar. 17, 1939.

FILTRU

For Filter Material for the Filtration and Clarification of Beer or Other Liquids.
Claims use since Mar. 7, 1939.

CLASS 32

Furniture and Upholstery

Ser. No. 414,085. THE SHOTT MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Dec. 21, 1938.

Glida-Rolla

For Outdoor and Indoor Gliding Furniture (the Product Being More Commonly Known in the Industry as Gliders).
Claims use since Dec. 15, 1938.

Ser. No. 416,700. PERCY POLITZ, doing business as Pennsylvania Manufacturing Company, Washington, D. C. Filed Mar. 4, 1939.



PENN-CRAFT

The representation of the goods apart from the mark as shown is disclaimed.
For Venetian Blinds.
Claims use since Oct. 7, 1937.

Ser. No. 416,999. THE COLUMBIA MILLS, INC., New York, N. Y. Filed Mar. 13, 1939.

VILLA

REDI-MADE

The term "Redi-Made" is disclaimed apart from the mark.
For Mounted Shades, Window Shades, and Shade Rollers.
Claims use since Feb. 1, 1939.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 412,246. ANTHRACITE INDUSTRIES, INC., New York, N. Y. Filed Nov. 1, 1938. Under act of Feb. 20, 1905, as amended June 10, 1938.



For Equipment for Use with Anthracite Coal—Namely, Boilers, Mechanical Stokers, Furnaces, Hot-Water Heating Flow-Control Units; Humidifiers, Space-Heaters, Furnace-Blowers, Service Water-Heaters, Brooder Stoves, Fireplaces, Mechanical Chimney Draft-Regulators, Clock-Actuated Mechanical Furnace Draft-Regulators, Kitchen Ranges, and Combinations of Two or More of the Foregoing Units.
Claims use since June 10, 1938.

Ser. No. 416,279. AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Feb. 21, 1939.

Magic Chef

For Domestic Gas Ranges, Heavy Duty or Restaurant Gas Ranges, Gas Heated Broilers, Bake Ovens, Hot Plates, Friers and Grills, Oil Stoves, Coal and Wood Cooking Stoves, Combination Oil and Gas Ranges, Combination Coal or Wood and Gas Ranges, Combination Gas Heating and Cooking Ranges.
Claims use since July, 1932.

CLASS 36

Musical Instruments and Supplies

Ser. No. 401,083. WINTER & CO., New York, N. Y. Filed Dec. 20, 1937.

GILDEMEESTER

For Pianos and Organs.
Claims use since Sept. 10, 1937.

Ser. No. 416,494. WICKS ORGAN COMPANY, Highland, Ill. Filed Feb. 27, 1939.

AMPLITONE

For Pipe Organs.
Claims use since Jan. 11, 1939.

CLASS 37

Paper and Stationery

Ser. No. 408,322. MCLAURIN-JONES CO., Brookfield, Mass. Filed July 8, 1938.

PYROTAK

For Gummed Paper and Gummed Paper Tape.
Claims use since June 30, 1938.

Ser. No. 414,535. SALES RESEARCH, INCORPORATED, Cleveland, Ohio. Filed Jan. 5, 1939.



For Books of Blank Forms To Be Filled in and Used for Sales Promotional Purposes.
Claims use since Dec. 9, 1938.

Ser. No. 416,048. HARRY J. DEERWESTER, SR., doing business as No-Mek Pen Co., Chicago, Ill. Filed Feb. 15, 1939.

NO-MEK

For Pens.
Claims use since Nov. 30, 1938.

Ser. No. 416,051. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Feb. 15, 1939.

EMINENCE

For Typewriter Paper.
Claims use since Apr. 1, 1928.

Ser. No. 416,052. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Feb. 15, 1939.

SOUVENIR

For Typewriter Paper.
Claims use since Feb. 4, 1907.

Ser. No. 416,053. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Feb. 15, 1939.

VESPER

For Typewriter Paper.
Claims use since Oct. 15, 1906.

Ser. No. 416,110. BYRON H. O'BRIEN, doing business as Load Log Company, West Springfield, Mass. Filed Feb. 16, 1939.

Tel-ur-Load

For Record Sheets for Recording Data in Connection with Deliveries of Fuel Such as Coal, Oil, Etc.
Claims use since Jan. 31, 1939.

Ser. No. 416,184. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Feb. 18, 1939.

Esterbrook

Trade-mark consists of the name "Esterbrook" in the handwriting of Richard Esterbrook, deceased, the founder of applicant's business.
For Writing, Drawing, and Lettering Pens; Fountain Pens, Feeds, Caps, and Barrels Therefor; Penholders, Mechanical Pencils, Erasing Pen, Inkwells, Desk Sets, and Spring Clips.
Claims use since 1860 on writing, drawing, and lettering pens; since Apr. 29, 1932, on fountain pens, feeds, caps, and barrels therefor; since 1890 on penholders; since Oct. 10, 1934, on mechanical pencils; since 1916 on erasing pen; since June 19, 1936, on inkwells; since June, 1932, on desk sets; and since 1921 on spring clips.

Ser. No. 416,318. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich. Filed Feb. 23, 1939.

MERCURY

For Manifold Paper.
Claims use since Jan. 4, 1939.

Ser. No. 416,462. CAREY GARFIELD GREGORY, doing business as Gregory Fount-O-Ink Company, Los Angeles, Calif. Filed Feb. 27, 1939.

FOUNT-N-GRAPH

For Ink Stands and Writing Desk Sets.
Claims use since Jan. 26, 1939.

CLASS 38

Prints and Publications

Ser. No. 411,113. CHARLES BENNETT, doing business as American Efficiency Bureau, St. Louis, Mo. Filed Sept. 28, 1938.



For Leaflets Relating to the Subject of Salesmanship Published from Time to Time.
Claims use since July 1, 1937.

Ser. No. 412,293. FARRELL PUBLISHING CORPORATION, New York, N. Y. Filed Nov. 2, 1938.

The WOMAN

For Periodical.
Claims use since June, 1938.

Ser. No. 413,471. JOHN A. DUNCAN, doing business as Jad's Service, Cleveland, Ohio. Filed Dec. 5, 1938.

STRANGELY ENOUGH

For News Feature or Column of a Periodical Publication.
Claims use since Sept. 6, 1938.

Ser. No. 415,864. FRANCIS C. SMITH, Allen, Okla. Filed Feb. 9, 1939.



For Souvenir Post Cards.
Claims use since Jan. 29, 1939.

Ser. No. 416,009. THE AMERICAN ASSOCIATION OF PORT AUTHORITIES, New Orleans, La. Filed Feb. 14, 1939.

WORLD PORTS

For Monthly Publication.
Claims use since March, 1921.

Ser. No. 416,158. ELEANOR MEDILL PATTERSON, doing business as Times-Herald, Washington, D. C. Filed Feb. 17, 1939.

Times Herald

For Daily Newspaper Published in Washington, D. C.
Claims use since Feb. 1, 1939.

Ser. No. 416,194. ETHEL TRAPHAGEN LEIGH, doing business as Ethel Leigh Studio, New York, N. Y. Filed Feb. 18, 1939.



Applicant disclaims the representation of the label per se and all notations except "Co-State Buddies" apart from the mark.
For Artistic Drawings for Textile Designs.
Claims use since Feb. 1, 1939.

Ser. No. 416,201. NEA SERVICE, INC., Cleveland, Ohio. Filed Feb. 18, 1939.

LITTLE BEAVER

Trade-mark consists of the name "Little Beaver", the name of a fanciful or fictitious character appearing from day to day in applicant's comic strip.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Feb. 5, 1939.

Ser. No. 416,202. NEA SERVICE, INC., Cleveland, Ohio. Filed Feb. 18, 1939.



Trade-mark consists of the portrait of "Little Beaver", a fanciful or fictitious character appearing from day to day in applicant's comic strip.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Feb. 5, 1939.

Ser. No. 416,406. DIESEL ENGINES, INC., New York, N. Y. Filed Feb. 25, 1939.

DIESEL PROGRESS and DIESEL AVIATION

For Regularly Issued Monthly Magazine.
Claims use since Feb. 1, 1939.

CLASS 39

Clothing

Ser. No. 403,872. HYMAN BROS., Philadelphia, Pa. Filed Mar. 9, 1938.

Lu Lu

For Children's, Juniors', Misses', and Ladies' Aprons, Bathing Suits, Bathrobes, Beach-Robes, Housecoats, Bloomers, Blouses, Outer Skirts, Dresses, Frocks, Smocks, Belts for Outer Wear, Vestees, Tunics, Boleros, Capes, Coats, Scarfs, Underwear, Pajamas, and Dress, Sport, and Athletic Suits.
Claims use on housecoats since March, 1936; on beach-robes, outer skirts, smocks, vestees, tunics, boleros, and scarfs since September, 1932; and on the rest of the garments herein listed since Feb. 15, 1928.

Ser. No. 405,257. J. HÜCKEL'S SÖHNE, Novy Jicin, Czechoslovakia. Filed Apr. 14, 1938.

1799 Hückel
VIENNE 1873 PHILADELPHIA 1876
PARIS 1878 CHICAGO 1893
PARIS 1900 GRAND PRIX
ST. PETERSBOURG 1902/3
VIENNE 1910

All notations except "Hückel 1799" and "JHS" are disclaimed apart from the mark.
For Hats and Caps for Men, Women, and Children; Bonnets, Berets, Tam-o-Shanters, Sun Visors, Hat Bodies, and Parts Thereof—Namely, Hat and Cap Linings, Sweatbands, and Hat Frames.
Claims use since June, 1934.

Ser. No. 412,635. THE GOODIMATE COMPANY, Philadelphia, Pa. Filed Nov. 12, 1938.



"Lady MacDonald"

The words "Lady MacDonald" are disclaimed apart from the mark.
For Misses', Juniors', and Ladies' Wearing Apparel—Namely, Coats and Suits.
Claims use since Apr. 5, 1938.

Ser. No. 412,887. GREENSBURG GARMENT COMPANY, INC., Greensburg, Pa. Filed Nov. 18, 1938.

Spunray

For Women's, Misses', and Children's Dresses of Woven Fabrics.
Claims use since Sept. 14, 1938.

Ser. No. 412,888. DUNRITE TROUSER COMPANY, New York, N. Y. Filed Nov. 19, 1938.

TOUCHDOWN SPORTSWEAR
GENUINE
Leath-o-Roy
"WEARS LIKE LEATHER"
MFD. BY
DUNRITE TROUSER CO. N.Y.C.

The words "Sportswear", "Genuine", "Wears Like Leather", "Mfd. By", "Dunrite Trouser Co.", and "N. Y. C." are disclaimed apart from the mark.
For Men's and Boys' Long Trousers, Knickers, Lumber Jackets, Mackinaws, Bushcoats.
Claims use since Sept. 1, 1937.

Ser. No. 413,249. STYLE GARMENT COMPANY INC., Los Angeles, Calif. Filed Nov. 28, 1938.

CALIFORNIA
Feather Krush
EXCLUSIVE FABRIC

Applicant disclaims the wording "Feather Krush", "Exclusive Fabric", and "California" apart from the mark.
For Ladies' Cloaks, Coats, and Suits.
Claims use since Feb. 1, 1938.

Ser. No. 413,348. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Dec. 1, 1938.

AZURE

For Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter-Belts.
Claims use since Nov. 30, 1938.

Ser. No. 413,361. PERFECT BRASSIERE CO. INC., Jersey City, N. J. Filed Dec. 1, 1938.

DURA-SATIN

The word "Satin" is disclaimed apart from the mark.
For Brassières.
Claims use since Apr. 8, 1938.

Ser. No. 413,631. GOLDWATERS MERCANTILE CO., Phoenix, Ariz. Filed Dec. 9, 1938.

Goldwater's
PHOENIX ARIZONA
NIJONI
ORIGINAL
DESERT FASHION
REGISTERED

The words "Goldwater's", "Phoenix, Arizona", "Original", "Fashion", and "Registered" are disclaimed except as shown.
For Ladies' and Girls' Dresses.
Claims use since September, 1938.

Ser. No. 414,154. KUTTNER-DE COSTA & Co., Philadelphia, Pa. Filed Dec. 23, 1938.

San Anita

For Ladies' Blouses, Dresses, and Suits.
Claims use since Dec. 1, 1938.

Ser. No. 414,524. GALE-ROSENBAUM COMPANY, St. Louis, Mo. Filed Jan. 5, 1939.

Lady Dorella

For Wearing Apparel—Namely, Ladies' and Children's Short-Nighties, Slips, Half-Slips, Gowns, Pajamas, House Coats, Slacks, Culottes, Play-Suits, and Sweaters.
Claims use since December, 1936.

Ser. No. 414,728. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Jan. 12, 1939.

TWINBAR

For Ladies' Rayon Underwear, Pajamas, Nightgowns, and Dresses.
Claims use since Oct. 15, 1938.

Ser. No. 414,930. JACOB WOLF, doing business as Rhythm Hosiery Company, Baltimore, Md. Filed Jan. 17, 1939.



The words "Stockings", "Lady", and "Full Fashioned Stockings" when disassociated from other features of the mark are disclaimed.
For Ladies' Silk Stockings.
Claims use since Sept. 22, 1938.

Ser. No. 414,969. S. STROOCK & CO., INC., New York, N. Y. Filed Jan. 18, 1939.

Royal Trophy

For Women's Coats of Camel Hair.
Claims use since Dec. 6, 1938.

Ser. No. 415,298. R. H. MACY & CO., INC., New York, N. Y. Filed Jan. 27, 1939.

CHILDREN OF THE WORLD

For Children's Sweaters, Dresses, Outer Shorts, and Hats.
Claims use since Jan. 2, 1939.

Ser. No. 415,419. SPEARE GLOVE COMPANY, Gloversville, N. Y. Filed Jan. 30, 1939.

AFRICAN LAVOKID

Applicant disclaims the word "African" apart from the mark.
For Leather Gloves.
Claims use since December, 1938.

Ser. No. 415,668. A. SAGNER & SONS, INC., Baltimore, Md. Filed Feb. 6, 1939.

ANGLO-ISLE

The word "Anglo" is disclaimed apart from the mark.
For Men's and Women's Coats and Suits.
Claims use since Dec. 12, 1938.

Ser. No. 415,703. COLUMBIA SHIRT CO., INC., New York, N. Y. Filed Feb. 7, 1939.

Fair Time

For Ladies' and Men's Pajamas and Men's Outer Shirts.
Claims use since Dec. 1, 1938.

Ser. No. 415,770. FRANK & MEYER NECKWEAR COMPANY, St. Louis, Mo. Filed Feb. 8, 1939.

Regal-Aire

For Men's and Boys' Neckties.
Claims use since Dec. 8, 1938.

Ser. No. 415,798. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Feb. 8, 1939.

LOOMCRAFT SUPERIOR

The word "Superior" is disclaimed apart from the mark.
For Ladies' Chemises, Princess Slips, Bloomers, Step-Ins, and Nightgowns of a Textile Fabric.
Claims use since May 15, 1931.

Ser. No. 415,810. VANITY FAIR SILK MILLS, Reading, Pa. Filed Feb. 8, 1939.

BASKET

For Underwear for Men, Women, and Children.
Claims use since Jan. 12, 1939.

Ser. No. 415,956. MILLINERY MERCHANDISING EXECUTIVES ASSOCIATION, INC., New York, N. Y. Filed Feb. 11, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938.

Executive Blue

Applicant disclaims the word "Blue" apart from the mark.
For Ladies' Hats.
Claims use since Feb. 6, 1939.

Ser. No. 415,966. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Feb. 11, 1939.

CHAMELEON CASUALS

The word "Casuals" is disclaimed apart from the mark.
For Women's Hats.
Claims use since Feb. 2, 1939.

Ser. No. 416,063. GOLDBERG, SQUIRE, LESSER & COHEN, INC., New York, N. Y. Filed Feb. 15, 1939.

Excello Cravats

The word "Cravats" is disclaimed except when used in connection with the mark.
For Neckties.
Claims use since Feb. 1, 1939.

Ser. No. 412,888. DUNRITE TROUSER COMPANY, New York, N. Y. Filed Nov. 19, 1938.



The words "Sportswear", "Genuine", "Wears Like Leather", "Mfd. By", "Dunrite Trouser Co.", and "N. Y. C." are disclaimed apart from the mark.
For Men's and Boys' Long Trousers, Knickers, Lumber Jackets, Mackinaws, Bushcoats.
Claims use since Sept. 1, 1937.

Ser. No. 413,249. STYLE GARMENT COMPANY INC., Los Angeles, Calif. Filed Nov. 28, 1938.



Applicant disclaims the wording "Feather Krush", "Exclusive Fabric", and "California" apart from the mark.
For Ladies' Cloaks, Coats, and Suits.
Claims use since Feb. 1, 1938.

Ser. No. 413,348. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Dec. 1, 1938.

AZURE

For Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter-Belts.
Claims use since Nov. 30, 1938.

Ser. No. 413,361. PERFECT BRASSIERE CO. INC., Jersey City, N. J. Filed Dec. 1, 1938.

DURA-SATIN

The word "Satin" is disclaimed apart from the mark.
For Brassières.
Claims use since Apr. 8, 1938.

Ser. No. 413,631. GOLDWATERS MERCANTILE CO., Phoenix, Ariz. Filed Dec. 9, 1938.



The words "Goldwater's", "Phoenix, Arizona", "Original", "Fashion", and "Registered" are disclaimed except as shown.
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Ser. No. 414,524. GALE-ROSENBAUM COMPANY, St. Louis, Mo. Filed Jan. 5, 1939.

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Claims use since December, 1936.

Ser. No. 414,728. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Jan. 12, 1939.

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Ser. No. 414,930. JACOB WOLF, doing business as Rhythm Hosiery Company, Baltimore, Md. Filed Jan. 17, 1939.



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Claims use since Jan. 2, 1939.

Ser. No. 415,419. SPEARE GLOVE COMPANY, Gloversville, N. Y. Filed Jan. 30, 1939.

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Claims use since December, 1938.

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Claims use since May 15, 1931.

Ser. No. 415,810. VANITY FAIR SILK MILLS, Reading, Pa. Filed Feb. 8, 1939.

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Claims use since Jan. 12, 1939.

Ser. No. 415,956. MILLINERY MERCHANDISING EXECUTIVES ASSOCIATION, INC., New York, N. Y. Filed Feb. 11, 1939. Under act of Feb. 20, 1905, as amended June 10, 1938.

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For Ladies' Hats.
Claims use since Feb. 6, 1939.

Ser. No. 415,966. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Feb. 11, 1939.

CHAMELEON CASUALS

The word "Casuals" is disclaimed apart from the mark.
For Women's Hats.
Claims use since Feb. 2, 1939.

Ser. No. 416,063. GOLDBERG, SQUIRE, LESSER & COHEN, INC., New York, N. Y. Filed Feb. 15, 1939.



The word "Cravats" is disclaimed except when used in connection with the mark.
For Neckties.
Claims use since Feb. 1, 1939.

Ser. No. 416,104. LANSBURGH & BRO., Washington, D. C. Filed Feb. 16, 1939.

WHITE QUEEN

For Nurses' Uniforms.
Claims use since Jan. 15, 1939.

Ser. No. 416,137. DAVID D. DONIGER & Co., New York, N. Y. Filed Feb. 17, 1939.

SEAS 'PORT

For Men's, Women's, and Children's Bathing Trunks and Bathing Suits.
Claims use since Jan. 13, 1937.

Ser. No. 416,220. WHELLKIN COAT CO. INC., New York, N. Y. Filed Feb. 18, 1939.

Chamley

For Women's, Misses', and Juniors' Coats and Suits.
Claims use since Nov. 2, 1938.

Ser. No. 416,312. CARADINE HAT COMPANY, St. Louis, Mo. Filed Feb. 23, 1939.

NUTROX

For Men's and Boys' Fur Felt Hats.
Claims use since Feb. 10, 1939.

Ser. No. 416,330. M. MERLIER, INC., New York, N. Y. Filed Feb. 23, 1939.

WASHAM

For Leather and Fabric Gloves.
Claims use since Feb. 10, 1939.

Ser. No. 416,331. M. MERLIER, INC., New York, N. Y. Filed Feb. 23, 1939.

WASHEVER

For Leather and Fabric Gloves.
Claims use since Feb. 10, 1939.

Ser. No. 416,378. KATZ UNDERWEAR CO., Honesdale, Pa. Filed Feb. 24, 1939.

PURR.

JAMAS

For Pajamas and Nightgowns.
Claims use since Aug. 18, 1938.

Ser. No. 416,388. SALFAIR, INC., New York, N. Y. Filed Feb. 24, 1939.



For Ladies' Hats.
Claims use since Jan. 17, 1939.

Ser. No. 416,437. RALPH CORN UNDERWEAR, INC., New York, N. Y. Filed Feb. 25, 1939.

Saucy-Girl

For Ladies' Pajamas and Underwear—Namely, Slips, Nightgowns, Panties, and Chemises.
Claims use since Oct. 15, 1938.

Ser. No. 416,482. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 27, 1939.



For Women's, Girls', and Misses' Dresses, Play Suits, and Slacks.
Claims use since Jan. 19, 1939.

Ser. No. 416,509. GOODYEAR FOOTWEAR CORPORATION, Providence, R. I. Filed Feb. 28, 1939.

UNIWELD

For Rubber, Canvas, and Leather Footwear—Namely, Shoes, Overshoes, Boots, Rubbers, Sandals, Slippers, and Gaiters.
Claims use since Feb. 16, 1939.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 414,979. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed Jan. 19, 1939.

"OPALRA"

For Hat Braid Made of Tubes Simulating Straw, Manufactured of Cellophane with a Core of Ramie.
Claims use since Jan. 10, 1939.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 410,437. S. T. PALAY TEXTILE CORPORATION, New York, N. Y. Filed Sept. 10, 1938.

QUALIROY

For Textile Fabric—Namely, Corduroy.
Claims use since August, 1938.

Ser. No. 413,022. CLIFFORD W. MAISH, doing business as Comfo-Nille Co., Cincinnati, Ohio. Filed Nov. 21, 1938.

COMFO-NILLE

For Article of Bedding in the Nature of a Combined Spread and Comfort or Blanket.
Claims use since Nov. 8, 1938.

Ser. No. 413,647. S. M. SCHWAB JR. & Co., New York, N. Y. Filed Dec. 9, 1938.

Selected Vats

The word "Selected" is disclaimed apart from the mark.
For Cotton Piece Goods.
Claims use since Nov. 15, 1934.

Ser. No. 414,146. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Dec. 23, 1938.

Water Color Tweed

The word "Tweed" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since Dec. 1, 1938.

Ser. No. 416,346. S. STEIN & Co., New York, N. Y. Filed Feb. 23, 1939.

"SUNFLEX"

For Woolen Goods in the Piece and in Cut Lengths.
Claims use since Feb. 20, 1939.

Ser. No. 416,368. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 24, 1939.

CELKNIT

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Feb. 21, 1939.

Ser. No. 416,369. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Feb. 24, 1939.

CELWYND

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Feb. 21, 1939.

Ser. No. 416,419. HODGES CARPET COMPANY, Indian Orchard, Mass. Filed Feb. 25, 1939.

RATTANIA

For Woven Fabrics Composed Mainly or Wholly of Paper Threads.
Claims use since July 18, 1912.

Ser. No. 416,434. MARY MUFFET, INC., St. Louis, Mo. Filed Feb. 25, 1939.

SNOWSPUN

For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Spun Rayon, Cotton, Linen, and Wool.
Claims use since January, 1939.

Ser. No. 416,597. BARTMANN & BIXER INC., New York, N. Y. Filed Mar. 2, 1939.

KENNETH
Catspaw

For Window Curtains.
Claims use since Dec. 1, 1938.

Ser. No. 416,687. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Mar. 4, 1939.

Twill Topper

The word "Twill" is disclaimed apart from the mark.
For Woolen Piece Goods.
Claims use since Feb. 15, 1939.

CLASS 43

Thread and Yarn

Ser. No. 409,573. INDUSTRIAL RAYON CORPORATION, Cleveland, Ohio. Filed Aug. 13, 1938.

Premier RAYON

The word "Rayon" is disclaimed apart from the mark.
For Rayon Yarn in the Form of Skeins, Cones, Etc., for Use in the Production of Fabrics or Articles of Wearing Apparel.
Claims use since May 20, 1938.

Ser. No. 412,909. KEASBEY & MATTISON COMPANY, Ambler, Pa. Filed Nov. 18, 1938.

K&M best in asbestos

No claim is made to the words "Best in Asbestos" apart from the mark.
For Asbestos Textiles, Comprising Asbestos Thread, Asbestos Yarn, Asbestos Flat Thread Tapes Adapted for Use in Weaving Cloth, and Used in Clothes Manufacture.
Claims use since March, 1937.

Ser. No. 416,228. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Feb. 18, 1939. Under section 5b of the act of 1905 as amended in 1920.

DU PONT

Applicant owns registration Number 57,420 effected under the 10-year proviso.
For Thread and Yarn.
Claims use since February, 1929.

Ser. No. 416,252. H. ERNST & CIE, Aarwangen, Switzerland. Filed Feb. 20, 1939.

merrylaine

For Woolen Yarns.
Claims use since 1932.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 414,334. JOSEPH EDWARD BELLAS, doing business as The Collins Clinic, Peoria, Ill. Filed Dec. 30, 1938.

PLASTIGUT C C

For Surgical Sutures.
Claims use since July 21, 1937.

Ser. No. 415,533. BELTX CORPORATION, St. Louis, Mo. Filed Feb. 2, 1939.

GLENETTE

For Sanitary Belts.
Claims use since Oct. 15, 1929.

Ser. No. 415,788. HATTIE S. MAYER, New York, N. Y. Filed Feb. 8, 1939.

„Le Bu Lex"

For Protective Rubber Covers for Sanitary Napkins.
Claims use since August, 1938.

CLASS 45

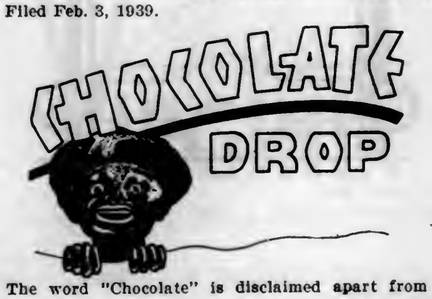
Beverages, Nonalcoholic

Ser. No. 409,371. TRY-ME BOTTLING COMPANY, doing business as Greenbelt Distributors, Washington, D. C. Filed Aug. 8, 1938.

GREENBELT

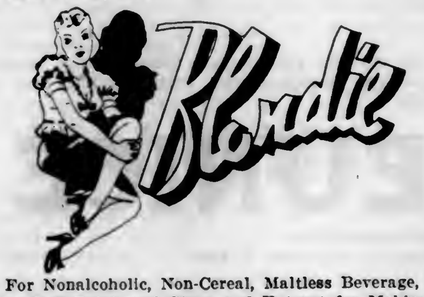
For Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Aug. 4, 1938.

Ser. No. 415,544. FOOTE & JENKS, INC., Jackson, Mich. Filed Feb. 3, 1939.



The word "Chocolate" is disclaimed apart from the mark.
For Nonalcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since July 1, 1938.

Ser. No. 415,546. FOOTE & JENKS, INC., Jackson, Mich. Filed Feb. 3, 1939.



For Nonalcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since July 1, 1938.

Ser. No. 415,547. FOOTE & JENKS, INC., Jackson, Mich. Filed Feb. 3, 1939.



For Nonalcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since July 1, 1938.

Ser. No. 415,548. FOOTE & JENKS, INC., Jackson, Mich. Filed Feb. 3, 1939.



The portrait is fanciful.
For Nonalcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since July 1, 1938.

Ser. No. 416,363. BARQ'S ROOT BEER COMPANY, Biloxi, Miss. Filed Feb. 24, 1939.

GULF CLUB

For Nonalcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Sirups, Extracts, and Flavors Used for Making the Same.
Claims use since Dec. 12, 1938.

Ser. No. 416,364. BARQ'S ROOT BEER COMPANY, Biloxi, Miss. Filed Feb. 24, 1939.

MOON-GLO

For Nonalcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Sirups, Extracts, and Flavors Used for Making the Same.
Claims use since Nov. 15, 1938.

Ser. No. 416,601. OTIS VERNON CLARK, Bowling Green, Ky. Filed Mar. 2, 1939.



For Nonalcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Jan. 28, 1939.

Ser. No. 416,610. ISADORE BENJAMIN KRAUT, doing business as Mt. Clemens Products Co., New York, N. Y. Filed Mar. 2, 1939.

Spa-King

For Mineral Water and for Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Jan. 5, 1939.

Ser. No. 416,617. MATTHIAS ROTHSTEIN, doing business as Drink-Mor Beverage Company, Wilkes-Barre, Pa. Filed Mar. 2, 1939.

Dr. J

For Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirup and Extract for Making the Same.
Claims use since Jan. 12, 1939.

Ser. No. 416,632. GRANDPA BRANDS COMPANY, Cincinnati, Ohio. Filed Mar. 1, 1939.

Laff

For Nonalcoholic Maltless Beverages Sold as Soft Drinks and for the Concentrates Thereof.
Claims use since Jan. 19, 1939.

CLASS 46

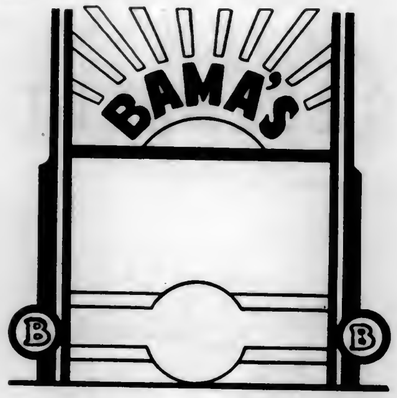
Foods and Ingredients of Foods

Ser. No. 408,943. DEXTRO PRODUCTS, INC., Terre Haute, Ind. Filed July 27, 1938.

WHEATMORE

For Dextrinized Cereal Grains Used as Cereal Breakfast Foods or as Ingredients of Food Products Such as Bread, Muffins, Pancakes, Mush, Etc.
Claims use since July 19, 1938.

Ser. No. 410,655. HENRY C. MARSHALL, doing business as Bama Pie Company, Dallas, Tex. Filed Sept. 16, 1938.



For Fried Pies.
Claims use since Jan. 1, 1929.

Ser. No. 411,997. KARSTEN & SONS, Chicago, Ill. Filed Oct. 24, 1938.

CORN BLOSSOM

For Eggs and Dressed Poultry.
Claims use since Oct. 1, 1930.

Ser. No. 413,857. JOÃO DA CRUZ GARGALO, doing business as João C. Gargalo, Setubal, Portugal. Filed Dec. 15, 1938.

EUNICE

For Preserved Fish.
Claims use since May 12, 1925.

Ser. No. 414,029. JOE GREAVES, Townsend, Mont. Filed Dec. 20, 1938.



For Whole-Wheat Cereal.
Claims use since Feb. 1, 1937.

Ser. No. 414,862. COTTON PRODUCTS COMPANY, INC., doing business as Opelousas Oil Refinery and also as Opelousas Oil Mill, Opelousas, La. Filed Jan. 16, 1939.

"LOU-ANA"

For Cottonseed Salad Oil, Cooking Oil, and Shortening.
Claims use since Oct. 8, 1938, on salad oil and shortening; and since Nov. 15, 1938, on cooking oil.

Ser. No. 414,874. A. GIOLITTI, Sanger, Calif. Filed Jan. 16, 1939.

Baby VIRGINIA

No claim is made to the name "Virginia" apart from the mark.
For Fresh Grapes.
Clams use since Oct. 17, 1938.

Ser. No. 414,957. JOE LOWE CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

MALTSICLE

For Frozen Confections and Malt Powder for Use in Flavoring Frozen Confections, Ice Cream, Ice Milk, Frozen Custard and the Like, Candy, and Other Food Products.
Claims use since Dec. 21, 1938.

Ser. No. 414,958. JOE LOWE CORPORATION, New York, N. Y. Filed Jan. 18, 1939.

MALTSTIKL

For Frozen Confections and Malt Powder for Use in Flavoring Frozen Confections, Ice Cream, Ice Milk, Frozen Custard and the Like, Candy, and Other Food Products.
Claims use since Dec. 20, 1938.

Ser. No. 414,981. BIRDSEY FLOUR MILLS, Macon, Ga. Filed Jan. 19, 1939.

4 BROTHERS

For Wheat Flour and Coffee.
Claims use since 1928 on flour; and since 1931 on coffee.

Ser. No. 415,006. MAPLE GROVE, INC., St. Johnsbury, Vt. Filed Jan. 19, 1939.

MAPLE CABIN

For Maple Sugar Candies.
Claims use since Oct. 31, 1932.

Ser. No. 415,214. CLAY EVERHARD, doing business as Citraland Farms, Pharr, Tex. Filed Jan. 25, 1939.

TEXAS QUEEN

The word "Texas" is disclaimed apart from the mark.
For Fresh Citrus Fruits.
Claims use since September, 1933.

Ser. No. 415,328. THE DUNK DONUT CO., Cleveland, Ohio. Filed Jan. 28, 1939.

DUNK DONUTS

The word "Donuts" is disclaimed apart from the mark.
For Crullers, Doughnuts, and Fried Cakes.
Claims use since Mar. 1, 1936.

Ser. No. 415,403. THE W. E. LONG CO., Chicago, Ill. Filed Jan. 30, 1939.

Pantry Package

For Bread.
Claims use since Jan. 12, 1939.

Ser. No. 415,550. LE ROY GOFF, 2d, Ardmore, Pa. Filed Feb. 3, 1939.

WHITE LABEL

No claim is made to the exclusive use of a white label.
For Canned Food for Dogs and Cats.
Claims use since Feb. 18, 1938.

Ser. No. 415,551. GUM INCORPORATED, Philadelphia, Pa. Filed Feb. 3, 1939.

RAW! RAW! RAW!

For Chewing Gum.
Claims use since Jan. 20, 1939.

Ser. No. 415,722. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 7, 1939.

Popsicle Pete

For Frozen Confections and Syrups or Concentrates for Making the Same.
Claims use since Jan. 12, 1939.

Ser. No. 415,724. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 7, 1939.

POPSIKOTE

For Chocolate and Butter-Scotch Coatings, Frozen Confections and Flavored Syrups or Concentrates for Making the Same.
Claims use since Jan. 23, 1939.

Ser. No. 415,883. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Feb. 10, 1939.



For Tea.
Claims use since Sept. 1, 1932.

Ser. No. 416,068. KELLEY-CLARKE CO., Seattle, Wash. Filed Feb. 15, 1939.

BLUE JACKET

For Canned Fish.
Claims use since Jan. 15, 1899.

Ser. No. 416,094. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Feb. 16, 1939.



Applicant is the owner of certificate of registration No. 117,428 registered July 10, 1917. No claim is made to the word "Coffee" apart from the mark. The drawing is lined for red, blue, and gold.
For Coffee.
Claims use since June 15, 1917.

Ser. No. 416,176. BEAR CREEK ORCHARDS, doing business as Rosenberg Bros., Medford, Oreg. Filed Feb. 18, 1939.



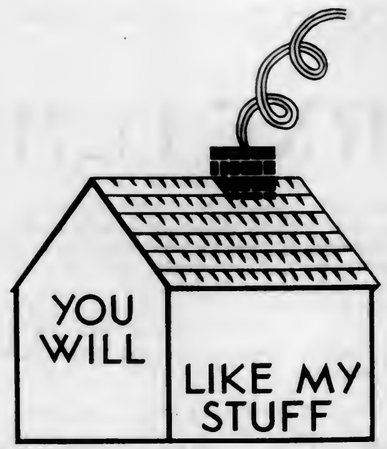
The words "Delicacies" and "Rosenberg Bros., Medford, Oregon" are disclaimed apart from the mark.
For Canned Fruits.
Claims use since April, 1937.

Ser. No. 416,204. THE PALMER CORPORATION, Chicago, Ill. Filed Feb. 18, 1939.

PHILLIPPE RIVER

Applicant is the owner of registration No. 305,322.
For Fresh Oranges and Fresh Grapefruit.
Claims use since Dec. 15, 1938.

Ser. No. 416,241. AWFUL FRESH MACFARLANE, Berkeley, Calif. Filed Feb. 20, 1939.



For Salted Nuts, Candy, and Chocolate Coated Nuts.
Claims use since Oct. 1, 1937.

Ser. No. 416,294. RONALD MEYER, doing business as Ronald Meyer Popcorn Company, Carnarvon, Iowa. Filed Feb. 21, 1939.

YELLOW TIGER



For Yellow Popcorn in Its Natural State.
Claims use since Nov. 9, 1935.

Ser. No. 416,380. LEGHORN TRADING CO. INC., New York, N. Y. Filed Feb. 24, 1939.

CONDOR

For Edible Oils—Namely, Olive Oil.
Claims use since Dec. 1, 1938.

Ser. No. 416,455. COLORADO POTATO GROWERS EXCHANGE, Denver, Colo. Filed Feb. 27, 1939.



For Potatoes.
Claims use since Jan. 14, 1939.

Ser. No. 416,463. JANE W. HAMILTON, Chicago, Ill. Filed Feb. 27, 1939.

SLICICLES

For Preserved Cucumbers.
Claims use since Jan. 28, 1939.

Ser. No. 416,567. JUNGE BAKING COMPANY, Joplin, Mo. Filed Mar. 1, 1939.

Fonda

For Soda Crackers.
Claims use since Feb. 16, 1939.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 415,438. BARDSTOWN DISTILLERY, INC., Bardstown, Ky. Filed Jan. 31, 1939.

Cat 'n the Fiddle

For Whiskey.
Claims use since Dec. 5, 1938.

Ser. No. 415,439. BARDSTOWN DISTILLERY, INC., Bardstown, Ky. Filed Jan. 31, 1939.

Old Banjo

For Whiskey.
Claims use since Dec. 13, 1938.

Ser. No. 416,691. KRAUS BROS. & CO., INC., New York, N. Y. Filed Mar. 4, 1939.

VAT 11

For Whiskies, Gins, and Alcoholic Cordials.
Claims use since February, 1939.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 416,190. IVERS-LEE COMPANY, Newark, N. J. Filed Feb. 18, 1939.

RXF FILM

The word "Film" is disclaimed apart from the mark.
For Transparent Sheet Material Consisting of a Rubber Composition for Making Packages.
Claims use since Mar. 16, 1938.

Ser. No. 416,203. IRWIN OLENIK, New York, N. Y. Filed Feb. 18, 1939.

HELLO - I'M FROM

For Lapel Buttons, Badges, Medallions, Buttons with Pins, and Metal Identification Tags.
Claims use since Aug. 15, 1938.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

APRIL 25, 1939

366,618. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed October 28, 1936. Serial No. 384,884. PUBLISHED FEBRUARY 14, 1939. Class 42.

366,619. CANDY MINTS. D. H. POWELL, doing business as Mayfair Candy Co., Seattle, Wash.
Filed June 23, 1937. Serial No. 394,423. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,620. FOODS AND INGREDIENTS OF FOODS—NAMELY, SEASONINGS FOR IMPROVING SOUPS, SAUCES, GRAVIES, ETC. MAGGI CO., INC., New York, N. Y.
Filed August 7, 1937. Serial No. 396,142. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,621. VEHICLE TIRES AND INNER TUBES MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY, Chicago, Ill., and Chicopee Falls, Mass.
Filed September 22, 1937. Serial No. 397,652. PUBLISHED FEBRUARY 14, 1939. Class 35.

366,622. MACARONI PRODUCTS, SPAGHETTI, NOODLES, AND ALIMENTARY PASTES. NATIONAL MACARONI CO., Libertyville, Ill.
Filed October 16. 1937. Serial No. 398,586. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,623. FRIED FOOD PRODUCTS MADE OF CORN AND OTHER INGREDIENTS, IN THE NATURE OF CRACKERS OR MEXICAN TORTILLAS. FILLER MANUFACTURING COMPANY, Dallas, Tex.
Filed November 3, 1937. Serial No. 399,271. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,624. LAUNDRY AND DRY CLEANER TAGS. THE TAGIT COMPANY, Rockford, Ill.
Filed November 11, 1937. Serial No. 399,628. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,625. GEAR SHIFTING MECHANISMS FOR AUTOMOTIVE VEHICLES AND ON TRACTORS. EVANS PRODUCTS COMPANY, Detroit, Mich.
Filed November 22, 1937. Serial No. 399,999. PUBLISHED FEBRUARY 22, 1938. Class 23.

366,626. UNFINISHED CASTINGS OF FERROUS METAL. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed December 7, 1937. Serial No. 400,563. PUBLISHED FEBRUARY 14, 1939. Class 14.

366,627. APPARATUS FOR SPRAYING MOLTEN METAL AND COMPONENT PARTS THEREOF. METALS COATING COMPANY OF AMERICA, Philadelphia, Pa.
Filed December 8, 1937. Serial No. 400,607. PUBLISHED FEBRUARY 14, 1939. Class 23.

366,628. INK. C. HOWARD HUNT PEN COMPANY, Camden, N. J.
Filed December 9, 1937. Serial No. 400,646. PUBLISHED FEBRUARY 7, 1939. Class 11.

366,629. RESPIRATORS. WAHLERT PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed December 14, 1937. Serial No. 400,861. PUBLISHED FEBRUARY 14, 1939. Class 44.

366,630. UNFINISHED IRON AND STEEL CASTINGS GENERALLY. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa.
Filed January 7, 1938. Serial No. 401,673. PUBLISHED FEBRUARY 14, 1939. Class 14.

366,631. ELECTRIC FANS. DOMINION ELECTRICAL MANUFACTURING COMPANY, Mansfield, Ohio.
Filed January 14, 1938. Serial No. 401,892. PUBLISHED FEBRUARY 14, 1939. Class 21.

366,632. DISTILLED ALCOHOLIC SPIRITS—NAMELY, WHISKEY, RUM, GIN, ALCOHOLIC CORDIALS, AND LIQUEURS. LICORERIA MARIN INC., Mayaguez, P. R.
Filed February 12, 1938. Serial No. 402,980. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,633. ALCOHOLIC CORDIALS AND LIQUEURS. LICORERIA MARIN INC., Mayaguez, P. R.
Filed February 12, 1938. Serial No. 402,981. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,634. TRUNKS, BILL FOLDS, BRIEF CASES, SUIT CASES, DRESSING CASES, TRAVELING BAGS, SCHOOL BAGS, POCKETBOOKS, PORTFOLIOS, PURSES, LADIES' HANDBAGS, VALISES, GRIPS, WALLETS, AND SATCHELS. STIX, BAER AND FULLER COMPANY, St. Louis, Mo.
Filed March 2, 1938. Serial No. 403,617. PUBLISHED FEBRUARY 7, 1939. Class 3.

366,635. LIVE CANARIES. AMERICAN BIRD PRODUCTS, INC., Chicago, Ill.
Filed March 3, 1938. Serial No. 403,630. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,636. AUTOMOBILE TRUCK ADVERTISING SOLD TO THE TRADE AS SUCH. TRUKADS, INTERNATIONAL, St. Louis, Mo.
Filed March 21, 1938. Serial No. 404,335. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,637. SOAP, IN BOTH SOLID CAKE AND POWDER FORM. JAMES A. SMITH, Philadelphia, Pa.
Filed March 28, 1938. Serial No. 404,587. PUBLISHED MAY 17, 1938. Class 4.

366,638. BOOKS, PAMPHLETS, CIRCULARS, AND FOR A PERIODICAL PUBLISHED FROM TIME TO TIME FOR THE FURTHERANCE OF ITS OBJECT. INTERNATIONAL BROTHERHOOD OF TEAMSTERS, CHAUFFEURS, STABLEMEN & HELPERS OF AMERICA, Indianapolis, Ind., and Washington, D. C.
Filed May 20, 1938. Serial No. 406,552. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,639. PAINT CLEANER PREPARATION; FILM REMOVER PREPARATION FOR REMOVING ROAD FILM, DIRT, OIL, AND GREASE; ETC. BRAVO PRODUCTS COMPANY, Ann Arbor, Mich.
Filed May 21, 1938. Serial No. 406,577. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,640. MATTRESSES, BOX-SPRINGS, BED-SPRINGS. SUN-CHAIRS, PILLOWS, GLIDERS, COUCHES, PADS, AND COTS. BURTON-DIXIE CORPORATION, Chicago, Ill.
Filed May 21, 1938. Serial No. 406,578. PUBLISHED FEBRUARY 14, 1939. Class 32.

366,641. ICE CREAM MIX SCALES. DE-RAEF CORPORATION, Kansas City, Mo.
Filed May 23, 1938. Serial No. 406,635. PUBLISHED FEBRUARY 14, 1939. Class 26.

366,642. PORK SANDWICHES. LEROY F. VANDEGRIFT, Shawnee, Okla.
Filed June 9, 1938. Serial No. 407,289. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,643. READY MIXED PAINT, PAINT PASTES, AND PAINT ENAMEL. ROCKFORD PAINT MANUFACTURING CO., Rockford, Ill.
Filed July 5, 1938. Serial No. 408,207. PUBLISHED OCTOBER 18, 1938. Class 16.

366,644. SERIES OF PRINTED LECTURES OR LESSONS. WILLIAM P. TAYLOR, doing business as The Mayans, Del Rio, Tex.
Filed July 22, 1938. Serial No. 408,815. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,645. METAL ATOMIZERS AND SPRAYS. NICHOLAS KEMENY, Chicago, Ill.
Filed July 28, 1938. Serial No. 409,004. PUBLISHED FEBRUARY 14, 1939. Class 44.

366,646. COAL. DUGGER DOMESTIC COAL CO., Dugger, Ind.
Filed August 5, 1938. Serial No. 409,263. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,647. PRINTED CONTRACT FORMS AND PRINTED FORMS FOR PERSONAL LOAN AND LOAN AGREEMENT, SOLD AS SUCH IN TRADE. VERNON L. BUCHMAN, doing business as Vee Bee Service Company, Memphis, Tenn.
Filed August 8, 1938. Serial No. 409,343. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,648. LUMBER. SOUTHERN PINE ASSOCIATION, New Orleans, La.
Filed August 11, 1938. Serial No. 409,493. PUBLISHED FEBRUARY 14, 1939. Class 12.

366,649. REDEEMABLE COUPONS. STALEY MILLING COMPANY, Kansas City, Mo.
Filed September 6, 1938. Serial No. 410,312. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,650. BRANDY. SIMON FRERES LTD., Jarnac, France.
Filed September 8, 1938. Serial No. 410,374. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,651. WHEAT FLOUR. SILBERNAGEL & COMPANY, Pine Bluff, Ark.
Filed September 16, 1938. Serial No. 410,662. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,652. NONALCOHOLIC, MALTLESS, AND NONCEREAL BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. COUNTRY CLUB SODA CO., INC., Springfield, Mass.
Filed September 19, 1938. Serial No. 410,721. PUBLISHED FEBRUARY 14, 1939. Class 45.

366,653. HOSIERY. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa.
Filed September 29, 1938. Serial No. 411,070. PUBLISHED FEBRUARY 21, 1939. Class 39.

366,654. PUBLICATIONS OF OCCASIONAL ISSUE COVERING SUBJECT MATTER PERTAINING TO FINANCE AND MANAGEMENT OF CORPORATIONS. G. HARVEY PORTER, Baltimore, Md.
Filed October 18, 1938. Serial No. 411,753. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,655. TYPEWRITER RIBBONS. REMINGTON RAND INC., Buffalo, N. Y.
Filed October 20, 1938. Serial No. 411,840. PUBLISHED FEBRUARY 7, 1939. Class 11.

366,656. SETS, EACH COMPRISING A TOASTER, TOGETHER WITH ANCILLARY EQUIPMENT, PARTICULARLY SETS EACH CONSISTING OF A TOASTER, DISHES, ETC. MCGRAW ELECTRIC COMPANY, Chicago, Ill.
Filed October 21, 1938. Serial No. 411,879. PUBLISHED FEBRUARY 14, 1939. Class 50.

366,657. SETS, EACH COMPRISING A TOASTER, TOGETHER WITH ANCILLARY EQUIPMENT, PARTICULARLY SETS EACH CONSISTING OF A TOASTER, A TOAST CUTTING BOARD, DISHES, ETC. MCGRAW ELECTRIC COMPANY, Chicago, Ill.
Filed October 21, 1938. Serial No. 411,885. PUBLISHED FEBRUARY 14, 1939. Class 50.

366,658. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed October 26, 1938. Serial No. 412,070. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,659. DOG FOOD. HEALTHWIN PACKING COMPANY, Napoleon, Ohio.
Filed October 28, 1938. Serial No. 412,136. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,660. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. JAMES EMORY CLARK, Nashville, Tenn.
Filed October 29, 1938. Serial No. 412,169. PUBLISHED FEBRUARY 14, 1939. Class 45.

366,661. CEREAL FOOD PRODUCTS, PARTICULARLY FLOUR AND MORE PARTICULARLY WHEAT FAMILY FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed October 29, 1938. Serial No. 412,179. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,662. LIQUID GLASS CLEANER, CHEMICALLY-TREATED POLISHING CLOTHS, METAL CLEANING PADS FOR CLEANING HOUSEHOLD ALUMINUM SUCH AS COOKING UTENSILS, WOVEN METAL CLEANERS, AND STEEL WOOL. S. H. KRESS AND COMPANY, New York, N. Y.
Filed October 29, 1938. Serial No. 412,189. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,663. PNEUMATIC TIRE RECAPPING AND RETREADING MATERIAL KNOWN AS CAMELBACK. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed November 1, 1938. Serial No. 412,265. PUBLISHED FEBRUARY 14, 1939. Class 35.

366,664. TOY AEROPLANES, TOY BALLET DANCERS, TOY DIAL SAFES AND COIN BANKS, TOY GARAGES, ETC. LOUIS MARX & COMPANY, INC., New York, N. Y.
Filed November 4, 1938. Serial No. 412,382. PUBLISHED FEBRUARY 14, 1939. Class 22.

366,665. PICTURES, ENGRAVINGS, ETCHINGS, COLOUR PRINTS, AND PRINTED PUBLICATIONS RELATING TO ART. FROST & REED LIMITED, Bristol, England.
Filed November 5, 1938. Serial No. 412,483. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,666. WHISKEY AND GIN. NATIONAL HOTEL MANAGEMENT CO., INC., New York, N. Y.
Filed November 8, 1938. Serial No. 412,523. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,667. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, ETC. SHULTON, INC., New York, N. Y.
Filed November 12, 1938. Serial No. 412,676. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,668. FRESH AVOCADOS. EARL H. DAHLMAN, doing business as E. H. Dahlman & Company, Vista, Calif.
Filed November 14, 1938. Serial No. 412,698. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,669. GLASS CLEANER FOR WINDOWS, MIRRORS, ETC. PARAGON OIL CO., INC., Brooklyn, N. Y.
Filed November 14, 1938. Serial No. 412,729. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,670. PRESSING CLOTH OF ALL WOOL OR OF A MIXTURE OF WOOL, COTTON, HAIR, AND RAYON USED ON LAUNDRY MACHINERY. ARMS TEXTILE MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 16, 1938. Serial No. 412,792. PUBLISHED FEBRUARY 14, 1939. Class 42.

366,671. PHOTOGRAPHIC APPARATUS — NAMELY, FILM WIPERS, FILM CLIPS, DEVELOPING TANKS, DEVELOPING THERMOMETERS, TIMERS, AND FILM RACKS. FINK-ROSELIEVE CO. INC., New York, N. Y.
Filed November 16, 1938. Serial No. 412,807. PUBLISHED FEBRUARY 14, 1939. Class 26.

366,672. TOBACCO PRODUCTS, MORE PARTICULARLY CIGARS. THE HOUSE OF CRANE, INCORPORATED, Indianapolis, Ind.
Filed November 17, 1938. Serial No. 412,860. PUBLISHED FEBRUARY 14, 1939. Class 17.

366,673. SPRING CLIPS ADAPTED FOR DISPOSITION OVER CONTACT PRONGS ON ELECTRIC PLUGS. ACORN PRODUCTS CORPORATION, Chicago, Ill.
Filed November 18, 1938. Serial No. 412,893. PUBLISHED FEBRUARY 14, 1939. Class 21.

366,674. ACCORDIONS. ATLAS ACCORDIONS, INC., New York, N. Y.
Filed November 18, 1938. Serial No. 412,896. PUBLISHED FEBRUARY 14, 1939. Class 36.

366,675. AGENT PREPARED FROM NATURAL EARTH AND USEFUL FOR THE DECOLORIZING OR RECLAIMING OF OILS OR CLEANING SOLVENTS. FLORIDIN COMPANY, Warren, Pa.
Filed November 18, 1938. Serial No. 412,905. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,676. FOLDER COVERS, LOOSE LEAF BINDERS, AND LOOSE LEAF SHEETS. THE GUARDIAN LIFE INSURANCE COMPANY OF AMERICA, New York, N. Y.
Filed November 18, 1938. Serial No. 412,906. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,677. NONMETALLIC PLASTIC COMPOUND USED PRIMARILY FOR FILLING CAVITIES IN METAL BODIES. PLA-STEELE COMPANY, Cleveland, Ohio.
Filed November 18, 1938. Serial No. 412,923. PUBLISHED FEBRUARY 14, 1939. Class 50.

366,678. SHOE-INNERSOLE STOCK MADE OF COMPOSITION MATERIAL. BROWN COMPANY, Portland, Maine, and Berlin, N. H.
Filed November 19, 1938. Serial No. 412,940. PUBLISHED FEBRUARY 14, 1939. Class 50.

366,679. PULP CUTTING AND REFINING MACHINES. DILTS MACHINE WORKS, INC., Fulton, N. Y.
Filed November 21, 1938. Serial No. 413,006. PUBLISHED FEBRUARY 14, 1939. Class 23.

366,680. METAL CANS. CROWN CAN COMPANY, Philadelphia, Pa.
Filed November 22, 1938. Serial No. 413,038. PUBLISHED FEBRUARY 7, 1939. Class 2.

366,681. CLEANSER FOR VITREOUS, STONE, METAL, AND PAINTED SURFACES AND THE LIKE. THE DU BOIS SOAP CO., Cincinnati, Ohio.
Filed November 23, 1938. Serial No. 413,065. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,682. DRY ALKALINE CLEANSING PREPARATIONS. MACDERMID, INCORPORATED, Waterbury, Conn.
Filed November 23, 1938. Serial No. 413,075. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,683. CORN KERNELS FOR POPPING, POP CORN DRESSING COMPOSED OF NATURAL VEGETABLE OIL AND ARTIFICIAL COLORING, SALT SEASONING FOR POPPED KERNELS, AND CHEESE FLAVORING FOR POPPED KERNELS. SYRACUSE POP CORN MACHINE & SUPPLY CO., INC., Syracuse, N. Y.
Filed November 23, 1938. Serial No. 413,087. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,684. WHISKEY. VON BREMEN-ASCHE-DE BRUYN, INCORPORATED, New York, N. Y.
Filed November 23, 1938. Serial No. 413,088. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,685. CHEWING GUM AND FOR CACHOUS. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed November 25, 1938. Serial No. 413,094. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,686. MECHANICAL PENCILS AND LEADS FOR MECHANICAL PENCILS. RITE-RITE MFG. CO., Chicago, Ill.
Filed November 25, 1938. Serial No. 413,142. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,687. PENETRATING OILS. THE SHALER COMPANY, Waupun, Wis.
Filed November 25, 1938. Serial No. 413,152. PUBLISHED FEBRUARY 7, 1939. Class 15.

366,688. WEEKLY PUBLICATION. THE BUREAU OF NATIONAL AFFAIRS, INC., Washington, D. C.
Filed November 26, 1938. Serial No. 413,179. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,689. MALT BEVERAGES CONTAINING NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT—NAMELY, ALE. GARDEN CITY BREWING COMPANY, San Jose, Calif.
Filed November 26, 1938. Serial No. 413,182. PUBLISHED FEBRUARY 14, 1939. Class 48.

366,690. CUTICLE AND NAIL SCISSORS, CUTICLE AND NAIL NIPPERS, FINGERNAIL CLIPS, TWEEZERS, NAIL FILES, ETC. A. HENKEL & SON, INC., Keene, N. H.
Filed November 28, 1938. Serial No. 413,225. PUBLISHED FEBRUARY 14, 1939. Class 44.

366,691. GREETING CARDS. NORCROSS, New York, N. Y.
Filed November 28, 1938. Serial No. 413,235. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,692. GREETING CARDS. NORCROSS, New York, N. Y.
Filed November 28, 1938. Serial No. 413,236. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,693. COAL. PEABODY COAL COMPANY, Chicago, Ill.
Filed November 29, 1938. Serial No. 413,274. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,694. CLEANSER FOR GENERAL USE HAVING INCIDENTAL WATER SOFTENING PROPERTIES. FITZPATRICK BROS., INC., Chicago, Ill.
Filed December 1, 1938. Serial No. 413,340. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,695. WINDOWS. GENERAL BRONZE CORPORATION, Long Island City, N. Y.
Filed December 1, 1938. Serial No. 413,342. PUBLISHED FEBRUARY 14, 1939. Class 12.

366,696. GAME DEVICE FOR PRACTICING CERTAIN STROKES OF THE GAME OF GOLF. REMO CO., INC., Meriden, Conn.
Filed December 1, 1938. Serial No. 413,364. PUBLISHED FEBRUARY 14, 1939. Class 22.

366,697. NONALCOHOLIC MALTLESS SOFT DRINKS MADE UP FOR THE MOST PART OF A COMBINATION OF FRUIT JUICES. ANNA MARIE WILKINS, Mobile, Ala.
Filed December 1, 1938. Serial No. 413,373. PUBLISHED FEBRUARY 14, 1939. Class 45.

366,698. PERIODICAL. A. D. S. PUBLISHING CO., INC., New York, N. Y.
Filed December 3, 1938. Serial No. 413,429. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,699. PADS AND PADDING FOR LAUNDRY ROLLERS, PRESSING ROLLERS, AND PRESSING MACHINES. METALLIC PAD CORPORATION, Orange, N. J.
Filed December 3, 1938. Serial No. 413,449. PUBLISHED FEBRUARY 7, 1939. Class 24.

366,700. PADS AND PADDING FOR LAUNDRY ROLLERS, PRESSING ROLLERS, AND PRESSING MACHINES. METALLIC PAD CORPORATION, Orange, N. J.
Filed December 3, 1938. Serial No. 413,450. PUBLISHED FEBRUARY 7, 1939. Class 24.

366,701. PLYWOOD, THE PLIES OF WHICH ARE BONDED TOGETHER WITH SYNTHETIC RESIN. VENEERCRAFT LIMITED, London, England.
Filed December 3, 1938. Serial No. 413,461. PUBLISHED FEBRUARY 14, 1939. Class 12.

366,702. NEWS FEATURE APPEARING IN A PUBLICATION. CABELL-EANES, INC., New York, N. Y.
Filed December 5, 1938. Serial No. 413,469. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,703. FRESH CITRUS FRUIT. WESTERN FRUIT GROWERS, INC., Los Angeles, Calif.
Filed December 5, 1938. Serial No. 413,497. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,704. GREETING CARDS. NORCROSS, New York, N. Y.
Filed December 6, 1938. Serial No. 413,519. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,705. INFANTS' FOOD CONSISTING OF HOMOGENIZED, STERILIZED EVAPORATED MILK MODIFIED WITH DEXTRIN AND MALTOSE. NESTLE'S MILK PRODUCTS, INC., New York, N. Y.
Filed December 7, 1938. Serial No. 413,556. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,706. SUCTION BOX COVERS FOR USE IN PAPER MAKING MACHINES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed December 7, 1938. Serial No. 413,575. PUBLISHED FEBRUARY 14, 1939. Class 23.

366,707. PORTABLE ELECTRIC AIRPORT LIGHTING SYSTEM. LIGHTS, INCORPORATED, Los Angeles, Calif.
Filed December 8, 1938. Serial No. 413,585. PUBLISHED FEBRUARY 14, 1939. Class 21.

366,708. PERIODICAL PUBLICATION. MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y.
Filed December 8, 1938. Serial No. 413,587. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,709. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed December 8, 1938. Serial No. 413,606. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,710. MAGAZINE PUBLISHED PERIODICALLY. ST. LOUIS UNIVERSITY DENTAL ALUMNI ASSOCIATION, St. Louis, Mo.
Filed December 9, 1938. Serial No. 413,648. PUBLISHED FEBRUARY 14, 1939. Class 38.

366,711. SALTED, SWEETENED, AND CHEESE FLAVORED POPCORN. DWIGHT HAMLIN COMPANY, Pittsburgh, Pa.
Filed December 9, 1938. Serial No. 413,662. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,712. SPARK PLUGS. A. L. DOERING MFG. CORP., New York, N. Y.
Filed December 10, 1938. Serial No. 413,669. PUBLISHED FEBRUARY 14, 1939. Class 21.

366,713. LUBRICATING OIL AND GASOLINE. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed December 12, 1938. Serial No. 413,746. PUBLISHED FEBRUARY 14, 1939. Class 15.

366,714. RUBBER TUBES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed December 13, 1938. Serial No. 413,771. PUBLISHED FEBRUARY 14, 1939. Class 35.

366,715. MONTHLY MAGAZINE. DISTRIBUTION AND WAREHOUSING PUBLICATIONS, INC., New York, N. Y.
Filed December 13, 1938. Serial No. 413,776. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,716. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed December 13, 1938. Serial No. 413,790. PUBLISHED FEBRUARY 7, 1939. Class 38.

366,717. SILK AND RAYON PIECE GOODS. SUSSBERG & FEINBERG, INC., New York, N. Y.
Filed December 13, 1938. Serial No. 413,803. PUBLISHED FEBRUARY 14, 1939. Class 42.

366,718. WOOLEN AND WORSTED FABRICS IN THE PIECE. BOTANY WORSTED MILLS, Passaic, N. J.
Filed December 14, 1938. Serial No. 413,814. PUBLISHED FEBRUARY 14, 1939. Class 42.

366,719. WHISKEY. LONDON & COMPANY, INC., Elizabeth, N. J.
Filed December 14, 1938. Serial No. 413,833. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,720. CHEESES. W. S. POPE & SON, Philadelphia, Pa.
Filed December 14, 1938. Serial No. 413,840. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,721. PICKLED HERRING. UNITED HERRING CO., INC., Chicago, Ill.
Filed December 14, 1938. Serial No. 413,845. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,722. BOND, LEDGER, MIMEO, AND DUPLICATING PAPERS. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis.
Filed December 15, 1938. Serial No. 413,875. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,723. POULTRY FEED. G. FARRELL WEBB, doing business as Pro-Gro Company, Kansas City, Mo.
Filed December 15, 1938. Serial No. 413,886. PUBLISHED FEBRUARY 14, 1939. Class 46.

366,724. OFFICE, HOUSEHOLD, AND FACTORY CHAIRS. DOMORE CHAIR COMPANY, INC., Elkhart, Ind.
Filed December 16, 1938. Serial No. 413,899. PUBLISHED FEBRUARY 14, 1939. Class 32.

366,725. LEAD PENCILS, CRAYON PENCILS, INK PENCILS, AND MECHANICAL PENCILS. A. W. FABER, INC., doing business as Johann Faber, Newark, N. J.
Filed December 16, 1938. Serial No. 413,901. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,726. MOLDING COMPOUND. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 17, 1938. Serial No. 413,937. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,727. MOLDING COMPOUNDS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 17, 1938. Serial No. 413,938. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,728. WOOD PULP. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y.
Filed December 17, 1938. Serial No. 413,941. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,729. WOOD PULP. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y.
Filed December 17, 1938. Serial No. 413,942. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,730. REFRIGERATING APPARATUS. COLVIN-TEMPLETON, INC., San Francisco, Calif.
Filed December 19, 1938. Serial No. 413,979. PUBLISHED FEBRUARY 14, 1939. Class 31.

366,731. MATTRESSES, STUDIO COUCHES, BOX SPRINGS, AND PILLOWS. EAGLE MATTRESS COMPANY INC., Boston, Mass.
Filed December 20, 1938. Serial No. 414,024. PUBLISHED FEBRUARY 14, 1939. Class 32.

366,732. LEATHER. MITCHELL & PEIRSON, INC., Philadelphia, Pa.
Filed December 20, 1938. Serial No. 414,037. PUBLISHED FEBRUARY 14, 1939. Class 1.

366,733. WAXED PAPER, GREASEPROOF PAPER, AND SULPHITE PAPER. THE HAMERSLEY MANUFACTURING COMPANY, Garfield, N. J.
Filed December 21, 1938. Serial No. 414,070. PUBLISHED FEBRUARY 14, 1939. Class 37.

366,734. THERAPEUTIC APPARATUS. JOHN M. BRASINGTON, Bennettsville, S. C.
Filed December 22, 1938. Serial No. 414,093. PUBLISHED FEBRUARY 14, 1939. Class 44.

366,735. PISTON RINGS, RUBBER HOSE, TIRES, TUBES, LEATHER BELTING, JAR RINGS, AND BICYCLE TIRES. TRU TEST MARKETING & MERCHANDISING CORP., Chicago, Ill.
Filed December 22, 1938. Serial No. 414,124. PUBLISHED FEBRUARY 14, 1939. Class 35.

366,736. FIBER WALL BOARD. THE CELOTEX CORPORATION, Chicago, Ill.
Filed December 23, 1938. Serial No. 414,140. PUBLISHED FEBRUARY 14, 1939. Class 12.

366,737. FIBER WALL BOARD. THE CELOTEX CORPORATION, Chicago, Ill.
Filed December 23, 1938. Serial No. 414,141. PUBLISHED FEBRUARY 14, 1939. Class 12.

366,738. WHISKIES, GINS, AND ALCOHOLIC CORDIALS. KRAUS BROS. & CO., INC., New York, N. Y.
Filed December 29, 1938. Serial No. 414,301. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,739. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed December 29, 1938. Serial No. 414,308. PUBLISHED FEBRUARY 14, 1939. Class 49.

366,740. CLEANSER FOR FALSE TEETH. WILLIAM J. CORSELLO, doing business as Dent-X Laboratories, Pittsburgh, Pa.
Filed December 30, 1938. Serial No. 414,338. PUBLISHED FEBRUARY 14, 1939. Class 4.

366,741. PARLOR GAME TO BE PLAYED WITH BOARDS AND CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed December 31, 1938. Serial No. 414,417. PUBLISHED FEBRUARY 14, 1939. Class 22.

366,742. FURNITURE—NAMELY, CHAIRS, TABLES, STOOLS, AND RACKS. AMERICAN FIXTURE AND MFG. CO., St. Louis, Mo.
Filed January 3, 1939. Serial No. 414,428. PUBLISHED FEBRUARY 14, 1939. Class 32.

366,743. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 3, 1939. Serial No. 414,444. PUBLISHED FEBRUARY 14, 1939. Class 35.

366,744. CIGARETTES AND SMOKING TOBACCO. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed January 5, 1939. Serial No. 414,516. PUBLISHED FEBRUARY 14, 1939. Class 17.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

366,745. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 21, 1937. Serial No. 391,613.

Charing Cross

For Biscuits.
Claims use since Mar. 24, 1937.

366,746. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDDIE C. ROYAL, doing business as Royal Candy Company, Durham, N. C. Filed June 28, 1937. Serial No. 394,635.

Toast-Rite

For Cheese Crackers, Buttered Toast, Figs Covered with Chocolate, Raisin Sandwiches, Fig Bars, Salted Peanuts, and Salted Nuts.
Claims use since Apr. 20, 1937.

366,747. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRI BENDEL INC., New York, N. Y. Filed Oct. 19, 1937. Serial No. 398,659.

Si Rare

For Perfumes.
Claims use since Oct. 14, 1937.

366,748. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUISE LEIBHOLZ, doing business as Medicosane Laboratories, New York, N. Y. Filed Nov. 13, 1937. Serial No. 399,715.

MEDICOPASTE BANDAGE

For Medicated Bandage.
Claims use since Aug. 1, 1936.

366,749. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ROMNEY FASHIONS INC., New York, N. Y. Filed Nov. 17, 1937. Serial No. 399,858.

ROMNEY

For Women's and Children's Handbags and Pocketbooks.
Claims use since Sept. 28, 1937.

366,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BULLOCK'S, INC., Los Angeles, Calif. Filed Jan. 19, 1938. Serial No. 402,086.

Wilshire man

For Toilet Water.
Claims use since Jan. 8, 1937.

366,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 1, 1938. Serial No. 402,570.

SANTOCURE

For Compound Used as a Vulcanization Accelerator in the Curing of Rubber Articles.
Claims use since Jan. 18, 1938.

366,752. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio. Filed Feb. 10, 1938. Serial No. 402,893.

CONTI-LITE

For Electrical Special Ray Projection Apparatus and Lamps for the Illumination of Signs and the Like, Particularly Where Some Fluorescent Effect is Involved.
Claims use since Feb. 4, 1938.

366,753. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHEFFIELD COMPANY, New London, Conn. Filed Feb. 23, 1938. Serial No. 403,333.

Mentho Menthal

For Menthol Containing Medicinal Preparations for the Treatment of Head Colds, Chapped Hands, Chafing, and Sunburn, and After-Shaving Lotion Containing Menthol.
Claims use since Feb. 15, 1938.

366,754. (CLASS 12. CONSTRUCTION MATERIALS.) WEATHER-SEAL, INC., Barberton, Ohio. Filed Feb. 24, 1938. Serial No. 403,381.

WEATHER-SEAL

For Interchangeable Storm Windows and Window Screens.
Claims use since November, 1936.

366,755. (CLASS 37. PAPER AND STATIONERY.) MILDRED F. KELLOW, doing business as Kellow-Brown Co., Los Angeles, Calif. Filed Mar. 9, 1938. Serial No. 403,873.

COMMERCIAL SAFETY PAPER

For Prepared Paper for Checks, Drafts, Stock Certificates, Bonds, and Financial Papers of All Descriptions.
Claims use since Feb. 15, 1938.

366,756. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE DAVIS, doing business as Davis Manufacturing Co., Tampa, Fla. Filed Mar. 10, 1938. Serial No. 403,909.

LADY DAVIS

For Preparation for Treating the Hair and Scalp.
Claims use since February, 1937.

366,757. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ST. DENIS, New York, N. Y. Filed Mar. 11, 1938. Serial No. 403,959.

RELAX-IN-FOAM

For Bath Salts, Bath Powders, Bath Crystals, and Bath Tablets.
Claims use since Feb. 7, 1938.

366,758. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTISTIC PILE FABRICS, INC., North Bergen, N. J. Filed Mar. 17, 1938. Serial No. 404,157.

Artistic Velvet

For Silk Velvet and Satin Back Velvet Piece Goods.
Claims use since Mar. 9, 1938.

366,759. (CLASS 15. OILS AND GREASES.) THE TEXAS COMPANY, New York, N. Y. Filed Mar. 18, 1938. Serial No. 404,237.

MIRA

For Lubricating Oils.
Claims use since Feb. 25, 1938.

366,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCIS B. MASTIN, doing business as Mastin Products Co., New York, N. Y. Filed Mar. 21, 1938. Serial No. 404,320.

RELAX-EYE-PAK

For Impregnated Bandage Applied Over the Eyes for Alleviating Eye Fatigue and Improving the Condition of the Skin About the Eyes.
Claims use since Mar. 9, 1938.

366,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. A. SALOMON & BRO., New York, N. Y. Filed Mar. 30, 1938. Serial No. 404,665.

KLEENFLO

For Filtering and Bleaching Powder for Solvents.
Claims use since Jan. 15, 1938.

366,762. (CLASS 15. OILS AND GREASES.) PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed May 28, 1938. Serial No. 406,876.

Paraproducts

For Lubricating Oils and Greases and Fuel Oils Including Diesel Oils.
Claims use since Dec. 21, 1936.

366,763. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WOOD, NATHAN AND VIRKUS COMPANY, INCORPORATED, New York, N. Y. Filed July 22, 1938. Serial No. 408,819.

Domore

For Automatic Process Embossers Which Produce a Plastic Relief on Paper Without Use of Dies or Plates.
Claims use since June, 1930.

366,764. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOMINION CHEMICAL CO. INC., New York, N. Y. Filed Aug. 12, 1938. Serial No. 409,510.

Hi-Test FUELADE

For Dry Chemical, in Powder Form, Used to Improve Combustion and Increase the Heating Power of Fuel Oil.
Claims use since May 1, 1937.

366,765. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Sept. 8, 1938. Serial No. 410,375.

TETLEY'S "Flavor Crushed"

For Tea.
Claims use since October, 1937.

366,766. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGUERITA WARD, Chicago, Ill. Filed Nov. 16, 1938. Serial No. 412,836.

MARGUERITA WARD'S ORIGINAL 32

For Face Powders.
Claims use since Nov. 10, 1937.

366,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURE CARBONIC, INCORPORATED, New York, N. Y. Filed Nov. 25, 1938. Serial No. 413,141.

CRYSTAL PURE

For Liquefied Carbon Dioxide.
Claims use since Sept. 2, 1937.

366,768. (CLASS 15. OILS AND GREASES.) CHESTER S. ALLEN, Warren, Pa. Filed Nov. 26, 1938. Serial No. 413,172.

ONEIDA

For Lubricating Oils and Greases.
Claims use since Apr. 20, 1933.

366,769. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMILE MARGHAB, INCORPORATED, New York, N. Y. Filed Dec. 10, 1938. Serial No. 413,679.

MARGHAB

For Table Cloths, Napkins, Doilies, Mat Sets, Pillow Cases, Towels, Sheetings, and Fabrics in the Piece.
Claims use since December, 1936.

366,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCMILLEN FEED MILLS, INC., Fort Wayne, Ind. Filed Jan. 11, 1939. Serial No. 414,704.

LiverLac

For Animal Food—Namely, for Hogs, Sheep, and Calves.
Claims use since Jan. 10, 1938.

366,771. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE BROOKS BOTTLING COMPANY, Columbus, Ohio. Filed Jan. 20, 1939. Serial No. 415,031.

Bob Brooks

For Nonalcoholic, Maltless Carbonated Beverages.
Claims use since Jan. 1, 1938.

366,772. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Filed Feb. 13, 1939. Serial No. 415,990.

VALENCIA

For Canned Olives and Bottled Olives.
Claims use since 1933.

366,773. (CLASS 32. FURNITURE AND UPHOLSTERY.) SUPERIOR FELT & BEDDING CO., Chicago, Ill. Filed Feb. 17, 1939. Serial No. 416,166.

STEEL - MODE

For Studio Couches.
Claims use since Feb. 1. 1932.

366,774. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOSEPH WARNER FURNITURE CORP., New York, N. Y. Filed Mar. 3, 1939. Serial No. 416,666.



For Old English and Colonial Bedroom, Living Room, Dining Room, Parlor, and Kitchen Suites, and Old English and Colonial Office Furniture.
Claims use since Apr. 1, 1937.

366,775. (CLASS 32. FURNITURE AND UPHOLSTERY.) ERO MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 9, 1939. Serial No. 416,844.

"STA-PUT"

For Seat Pads and Cushions Made of Cloth, Fibre, and Combinations of Cloth and Fibre.
Claims use since Jan. 2, 1937.

366,776. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEEM-ELECTRIC CORPORATION, St. Louis, Mo. Filed Apr. 3, 1939. Serial No. 417,738.

STEEM-ELECTRIC

For Garment or Other Material Pressing Steam Electric Irons.
Claims use since Feb. 15, 1936.

TRADE-MARK REGISTRATIONS RENEWED

124,687. PETROLEUM, KEROSENE, MOTOR-BENZIN, AUTOMOBILE-BENZIN, NAPHTHA, GASOLENE. Registered March 11, 1919. DE BATAAFSCHE PETROLEUM MAATSCHAPPIJ, The Hague, Netherlands. Renewed March 11, 1939, to Shell Oil Company, San Francisco, Calif., a corporation of California, assignee.

124,904. HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered March 18, 1919. CHARLES ALBRIGHT WANNER, Fleetwood, Pa. Renewed March 18, 1939.

124,937. SODIUM SILICATE. Registered March 25, 1919. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 25, 1939.

125,358. COTTON PIECE GOODS. Registered May 13, 1919. PEPPERELL MANUFACTURING COMPANY. Renewed May 13, 1939, to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts, assignee.

125,499. SODIUM SILICATE. Registered May 20, 1919. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 20, 1939.

125,561. METALLIC FENCE-POSTS. Registered May 27, 1919. CHICAGO STEEL POST COMPANY. Renewed May 27, 1939, to Inland Steel Company, Chicago, Ill., a corporation of Delaware, assignee.

125,843. MEN'S OUTER WEARING-APPAREL — NAMELY, COATS, OVERCOATS, AND SUITS. Registered June 17, 1919. SAKS & COMPANY, New York, N. Y., a corporation of New York. Renewed June 17, 1939.

125,983. BAKING-POWDER. Registered July 22, 1919. R. B. DAVIS COMPANY, Hoboken, N. J., a corporation of New Jersey. Renewed July 22, 1939.

125,984. BAKING-POWDER. Registered July 22, 1919. R. B. DAVIS COMPANY, Hoboken, N. J., a corporation of New Jersey. Renewed July 22, 1939.

126,119. CERTAIN NAMED ALUMINUM UTENSILS FOR HOUSEHOLD USE. Registered July 29, 1919. ALUMINUM WARE MANUFACTURING CO., INC., Elmira, N. Y. Renewed July 29, 1939, to Marjorie J. Pearl, executrix of the estate of Herman H. Pearl, deceased, Floral Park, Long Island, N. Y., successor.

126,244. A CEREAL FOOD-DRINK. Registered August 19, 1919. THE JOHN F. BAUER CO., Elmira, N. Y., a corporation of New York. Renewed August 19, 1939.

126,341. GROWING AND PRESSING HAIR-OIL. Registered August 19, 1919. MALINDA RICHIE & CO., Jacksonville, Fla., a firm. Renewed August 19, 1939.

126,445. FUMIGATING-CANDLES. Registered August 26, 1919. WILLIAM G. LENTZ, West Hoboken, N. J. Renewed August 26, 1939, to Charles H. Mumma, doing business as Hobs Laboratories, Union City, N. J., assignee.

126,507. NON-FERROUS ALLOYS—VIZ., BEARING-BRONZE, BABBITT METALS, AND ANTIFRICTION METALS. Registered September 16, 1919. A. ALLAN & SON, Harrison, N. J., a firm. Renewed September 16, 1939.

126,564. BUNDLE AND PACKAGE TYING MACHINES. Registered September 16, 1919. NATIONAL BUNDLE TYER COMPANY, Blissfield, Mich., a corporation of Michigan. Renewed September 16, 1939.

LABELS

REGISTERED APRIL 25, 1939

52,858.—*Title:* NUTS 2-U. For Salted Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published January 17, 1939.

52,859.—*Title:* AWFUL FRESH MACFARLAND, THE SCOTCH CANDYMAKER. For Half Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published January 17, 1939.

52,860.—*Title:* BOTTLERS LEMON JUICE. For Bottlers Lemon Juice. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Published March 9, 1939.

52,861.—*Title:* THAT TRIM LOOK. For Envelopes. CARMAN & CO., INC., New York, N. Y. Published December 15, 1938.

52,862.—*Title:* DUGAN'S POTATO BREAD. For Potato Bread. DUGAN BROS. OF NEW JERSEY INC., Newark, N. J. Published November 20, 1938.

52,863.—*Title:* DELICIOUS! DUNK DONUTS. For Doughnuts. THE DUNK DONUT CO., Cleveland, Ohio. Published March 8, 1938.

52,864.—*Title:* BAKON KRISPIES. For Bacon Cracklings. FEDERAL FOODS CORPORATION, Los Angeles, Calif. Published December 1, 1938.

52,865.—*Title:* TANG. For a Stimulating and Refreshing Concentrated Mouth Wash. THE FOSS CHEMICAL COMPANY INC., New York, N. Y. Published January 10, 1939.

52,866.—*Title:* THE WORLD IN ARMS. For Picture Cards and Bubble Gum. GUM INCORPORATED, Philadelphia, Pa. Published March 20, 1939.

52,867.—*Title:* KAD-FLAX. For a Medical Compound. HERNANDEZ & HERNANDEZ, San Antonio, Tex. Published March 16, 1939.

52,868.—*Title:* FLORIN GOLD STRAWBERRIES. For Strawberries. INDEPENDENT DISTRIBUTING COMPANY, Seattle, Wash. Published March 22, 1939.

52,869.—*Title:* MY FRIEND. For Straight Bourbon Whiskey. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Published March 29, 1939.

52,870.—*Title:* LIANE SHAMPOO. For a Shampoo. LIANE INCORPORATED, Freeport, Ill. Published March 10, 1939.

52,871.—*Title:* H T H BLEACH. For a Bleach. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Published January 3, 1939.

52,872.—*Title:* TOPP'S SHOES ARE TOPS. For Shoes. FRANK C. MEYER CO. INC., New York, N. Y. Published January 10, 1938.

52,873.—*Title:* PALMER. For Sarsaparilla. SAMUEL C. PALMER CO., INC., Washington, D. C. Published March 16, 1939.

52,874.—*Title:* SNO SHEEN. For Cake Flour. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Published January 11, 1939.

52,875.—*Title:* RELIABLE NON-INFLAMMABLE FAMOUS PAINT, VARNISH & LACQUER REMOVER. For a Paint, Varnish, and Lacquer Remover. RELIABLE REMOVER & LACQUER CORPORATION, Long Island City, N. Y. Published October 10, 1938.

52,876.—*Title:* TRIPLE "R" BRAND. For Cancellation Ink for Liquor Stamps. R. R. ROEHRIG, Los Angeles, Calif. Published June 22, 1938.

52,877.—*Title:* SHELLCRAFT. For Sea Shells for Handicraft Purposes. SHELLCRAFT CO., Newark, N. J. Published March 9, 1939.

52,878.—*Title:* SHERWIN'S WATERPROOFING PROCESS. For a Powdered Compound for Waterproofing Purposes. GEORGE SHERWIN, Shorewood, Wis. Published February 15, 1939.

52,879.—*Title:* "NICO-FUME" TOBACCO POWDER PRESSURE-FUMIGATOR FOR FUMIGATING GREENHOUSES. For Tobacco Powder Pressure-Fumigators for Fumigating Greenhouses. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION INCORPORATED, Louisville, Ky. Published March 20, 1939.

52,880.—*Title:* MASH-NIC. For Nicotized Powder for Use in Flock Feeds for Roundworm (Ascaridia Lineata) Control. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION INCORPORATED, Louisville, Ky. Published March 28, 1939.

52,881.—*Title:* DR. WEST'S MIRACLE-TUFT. For Brushes. WECO PRODUCTS COMPANY, Chicago, Ill. Published August 31, 1938.

52,882.—*Title:* BUB-L-JOY MILK BATH. For a Soapless Suds Bath Powder. WETALENE LABORATORIES, INC., Columbus, Ohio. Published March 8, 1939.

PRINTS

REGISTERED APRIL 25, 1939

17,362.—*Title:* AUTO TRAFFIC SAFETY PATROL-PARENTS. For Knitted Caps. FISHER & SANG, INC., Buffalo, N. Y. Published January 20, 1939.

17,363.—*Title:* PROPER LUBRICATION FOR GUNS AND REELS. For Lubricating Oil. FRANK A. HOPPE, INC., Philadelphia, Pa. Published March 27, 1939.

17,364.—*Title:* INDUSTRIAL UNIFORMS. For Uniforms, Shirts and Pants, One-Piece Suits, Service or Shop Coats, Blouses, Pants, Breeches, Lettering and Emblem Service. THE H. D. LEE MERCANTILE COMPANY, Kansas City, Mo. Published April 25, 1938.

17,365.—*Title:* AN APPLE A DAY IN THE EASIEST WAY. For Apple Juice. JOHN C. MORGAN COMPANY, Traverse City, Mich. Published October 4, 1937.

17,366.—*Title:* CONDITIONS OFTEN RELATED TO WEAK FEET, NATURE INTENDED HEALTH SPOT SHOES. For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published March 30, 1939.

17,367.—*Title:* BE SURE, BE SAFE, BE THRIFTY—FEED NUTRENA. For Chick Starting Feeds. NUTRENA MILLS, INC., Kansas City, Kans. Published October 28, 1938.

17,368.—*Title:* FIT RIGHT. For Ladies' and Misses' Dresses. ELIAS ABRAHAM ZAKIBE, Montreal, Quebec, Canada. Published September 14, 1937.

REISSUES

APRIL 25, 1939

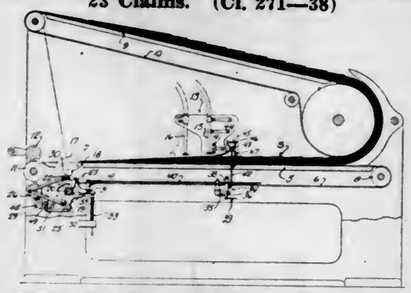
21,055

SHEET FEEDING MACHINE

Frank R. Belluche, Racine, Wis.

Original No. 2,127,714, dated August 23, 1938, Serial No. 171,508, October 28, 1937. Application for reissue February 8, 1939, Serial No. 255,349

23 Claims. (Cl. 271—38)



1. In a sheet feeding machine of the continuous type having a feed board to support a bank of sheets, separating and forwarding mechanism operable on the topmost sheet, and means for advancing the bank of sheets over the board: intermittent drive mechanism for said sheet advancing means to properly position the topmost sheet with respect to the separating and forwarding mechanism, said sheet advancing means being operable throughout a complete cycle of the machine so that the advance of the bank of sheets to the separating and forwarding mechanism is substantially continuous.

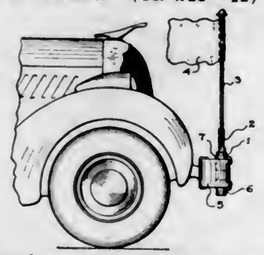
21,056

BUMPER ATTACHMENT

Shelby D. Bosket, Cleveland, Ohio, assignor to Max E. Gottlieb, Cleveland, Ohio

Original No. 2,093,951, dated September 21, 1937, Serial No. 61,102, January 27, 1936. Application for reissue March 30, 1938, Serial No. 199,026

2 Claims. (Cl. 248—41)



2. A display device, comprising in combination, a sleeve having a bottom longitudinal split and a top staff retaining socket, a fixed clamp section attached to the sleeve bottom, a slideable clamp section fitting the said sleeve and longitudinally moveable thereon between the fixed clamp section and the staff retaining socket, both of the said clamp sections having oppositely disposed co-acting hook members, and a spring member attached to the bottom of the said sleeve operating therein contiguous to the longitudinal split and engaging the slideable clamp section in a manner whereby the said hook members are urged in the direction of each other.

21,057

CONVERSION OF STARCHY POLYSACCHARIDES

George V. Caesar, Dongan Hills, Staten Island, N. Y., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Original No. 2,131,724, dated October 4, 1938, Serial No 98,071, August 26, 1936. Application for reissue December 29, 1938, Serial No. 248,361

14 Claims. (Cl. 127—33)

4. The process which consists in heating starch in the air-dry state to a temperature of about 130° C. without destroying the starch structure, then adding about 2% to about 5% urea, and continuing the heating to a temperature at which the urea melts and materially decomposes and a starch conversion product is formed which has substantially the original granular structure of the starch and disperses in water at ordinary temperatures without substantial granular disorganization.

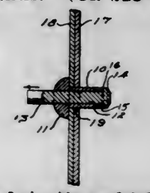
21,058

RIVET AND METHOD OF SETTING THE SAME

Louis C. Huck, Grosse Pointe, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan

Original No. 2,030,165, dated February 11, 1936, Serial No. 545,004, June 17, 1931. Application for reissue July 22, 1937, Serial No. 155,146

47 Claims. (Cl. 218—29)



6. The method of riveting which comprises providing a tubular member having a continuously annular body portion and a shank extending through the member and which projects beyond one end thereof and has a head for applying axially compressive forces against the outer end of the body portion, which comprises holding the end of the body portion adjacent the projecting end of the shank, pulling the latter end of the shank and applying axially compressive forces to the outer end of the body portion through said head while simultaneously causing the forces applied to said outer end of the body portion to be directed at an angle to and towards the axis of the rivet, and continuing the pull to form an annular outwardly bulbed head from said body portion between the ends and inwardly at the outer end of the latter.

21,059

VEHICLE WHEEL

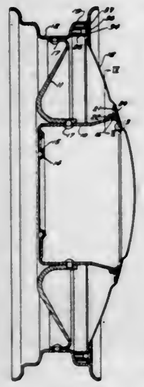
J Harold Hunt and Harry J. Horn, Lansing, Mich., assignors, by mesne assignments, to George Albert Lyon, Detroit, Mich.

Original No. 2,132,298, dated October 4, 1938, Serial No. 4,172, January 30, 1935 which is a division of Serial No. 620,064, June 30, 1932. Application for reissue December 15, 1938, Serial No. 245,951

17 Claims. (Cl. 301—37)

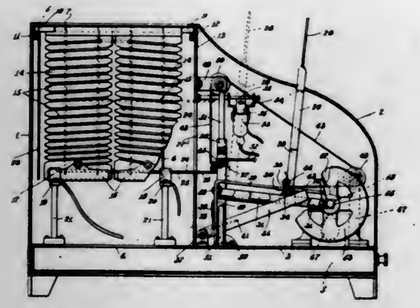
15. In combination with a wheel including a

rim and a hub part provided with a wheel mounting means, a circular part of relatively thin metallic sheet material for concealing said wheel mounting means and formed to be snapped into retained engagement with said hub part, said hub part including a rigid circular shoulder and the circular part including a resilient edge cooperable



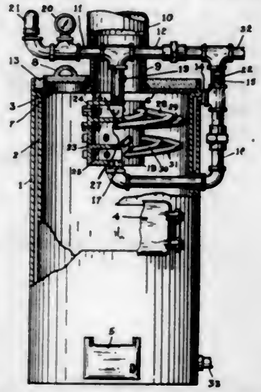
therewith to retain said circular part under tension on the wheel, portions of said edge and shoulder being separated by a plurality of projections on one of said parts which cause flexure of said portoins of said edge, to resiliently bind said circular part under resilient tension to said hub part.

21,060
ELECTRIC TOASTER
George Lavenburg, New York, N. Y.
Original No. 2,046,471, dated July 7, 1936, Serial No. 664,493, April 5, 1933. Application for reissue December 16, 1938, Serial No. 246,231
11 Claims. (Cl. 161—16)



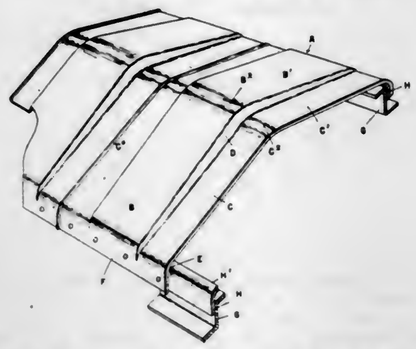
10. A bread toaster comprising an oven having a movable bread support, an electric heating means associated with the said oven, a switch for controlling the circuit of the heating means, a handle adapted to be moved from a normal position to any one of a plurality of advanced positions for lowering the bread within the oven adjacent the said heating means and means for automatically opening said switch after a lapse of various intervals of time depending upon the advanced position to which the handle has been moved, said last mentioned means including frictional means for holding the handle in any advanced position, and a device for overcoming the frictional means.

21,061
WATER HEATER
Peter Swan, Portland, Oreg.
Original No. 2,015,296, dated September 24, 1935, Serial No. 713,988, March 5, 1934. Application for reissue October 5, 1936, Serial No. 104,088
7 Claims. (Cl. 122—170)



5. A water tube unit for water boilers, comprising a vertically disposed cylinder containing a series of superposed chambers separated by horizontally disposed partitions, a series of helical water tubes connecting said adjacent chambers, and relatively small ports connecting said adjacent chambers to provide for the egress of gaseous accumulations.

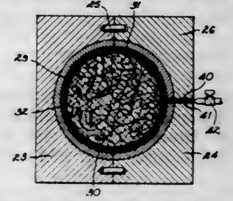
21,062
CAR ROOF
William D. Thompson and David W. Hawksworth, Birmingham, Mich., assignors, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Original No. 2,136,657, dated November 15, 1938, Serial No. 30,381, July 8, 1935. Application for reissue March 6, 1939, Serial No. 260,179
6 Claims. (Cl. 108—5.4)



4. In a car roof, comprising alternate upper and lower plane portions extending from eaves to eaves and connected by substantially vertical portions, a load supporting bracket having a portion fitting against one of said substantially vertical portions and welded thereto, and a flange extending laterally from said welded portion beneath said upper plane portion and below the plane of said lower plane portion.

21,063
METHOD OF MAKING BALLS
William J. Voit, Los Angeles, Calif.
Original No. 2,127,487, dated August 16, 1938, Serial No. 95,088, August 10, 1936, which is a division of Serial No. 57,907, January 7, 1936. Application for reissue October 24, 1938, Serial No. 236,830
8 Claims. (Cl. 154—16)

7. A method of making a substantially solid ball including the steps of: forming a core from material pervious to air, placing vulcanizable rubber cover material around the core, inserting said core and rubber in a mold having a cavity of less volume than that of said core and rubber, closing said mold to thereby compress said core and rubber, injecting air under a desired pressure into said core to force said rubber into engagement with said mold, applying heat to vulcanize said rubber while maintaining said pressure, relieving said pressure after vulcanization, opening said mold and removing the finished ball from said mold.



PLANT PATENTS

GRANTED APRIL 25, 1939

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

328
NECTARINE
George Edward Alexander, Venice, Calif., assignor to Karl K. Snyder, Hughson, and A. D. Di Grazia, San Francisco, Calif.
Application September 6, 1938, Serial No. 228,691
1 Claim. (Cl. 47—62)

The herein described variety of nectarine tree bearing a fruit which is characterized by its large size, the reddish purple color in its substantial entirety when ripe, its thick and tough skin, its firm well flavored flesh, and its long keeping quality in storage.

329
PHLOX
John J. Grullemans, Mentor, Ohio, assignor to The Wayside Gardens Company, Mentor, Ohio, a corporation of Ohio
Application November 5, 1938, Serial No. 239,074
1 Claim. (Cl. 47—60)

A phlox as described and characterized by the hardy, vigorous, semi-dwarf plant; prolific growth, size and compactness of bloom heads; size and character of flowers; and flower color, which is principally a white having an overcast or hue of blue merging into a distinct blue flower center having a purplish tone.

PATENTS

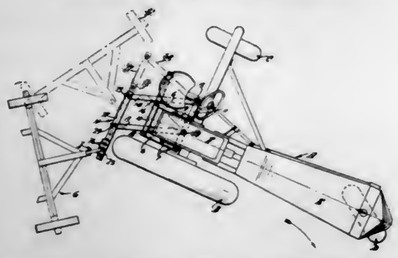
GRANTED APRIL 25, 1939

2,155,378
ASPARAGUS SORTING MACHINE
John Albertoli, San Francisco, Calif.
Application June 1, 1936, Serial No. 82,792
3 Claims. (Cl. 209—91)



1. An asparagus sorting machine comprising a conveyor, a pair of shafts extending along one side of the conveyor, rollers mounted in pairs upon the shafts, the rollers of the pairs being variously spaced to engage the butt ends of stalks of asparagus of progressively smaller diameter carried by the conveyor, and a toothed roller mounted in the plane of the stalks for aligning the butt ends of the stalks with said ends overhanging the edge of the conveyor and in line with the rollers.

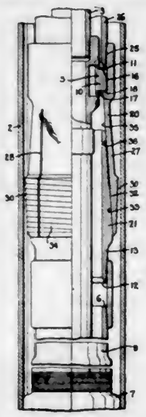
2,155,379
TRACTOR HITCH
Victor N. Albertson, St. Louis Park, Minn., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application August 1, 1938, Serial No. 222,387
14 Claims. (Cl. 280—33.10)



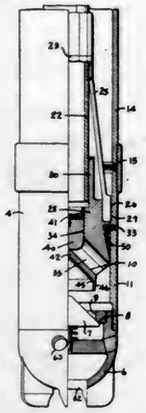
1. In combination with a tractor having a single laterally disposed rear traction wheel, a draft assembly for connecting an implement behind the tractor, the same comprising a transverse hitch bar having at one end and at a point normally in rear of the traction wheel a draft connection for the implement, and parallel connected members extended between the tractor and the bar and supporting the latter for transverse shifting movement behind the tractor in response to angular force exerted on the bar by the drawn implement.

2,155,380
PACKER LOCK
Ruric N. Bean, Houston, Tex., assignor to Leslie A. Layne
Application March 13, 1937, Serial No. 130,629
9 Claims. (Cl. 166—12)

1. In a well bottom assembly for use with a packer, a setting string therefor, a setting tool on said string, a hold-down above said packer, said hold-down comprising a coupling having a head and a base, a skirt on said head, means on said packer to receive said setting tool, and additional means on said head to thereafter receive said setting tool to telescope said skirt over said base.

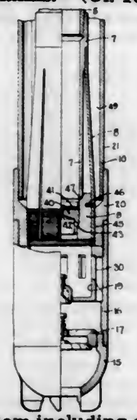


2,155,381
BOTTOM CONNECTION HYDRAULIC SETTING TOOL
Ruric N. Bean, Harold C. Block, and Leslie A. Layne, Houston, Tex.; said Bean and said Block assignors to said Layne
Application September 25, 1937, Serial No. 165,634
9 Claims. (Cl. 166—20)



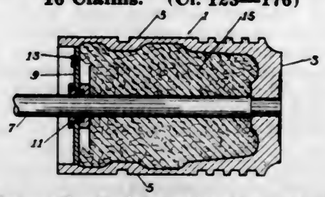
1. The combination of a well bottom assembly and a setting string and setting tool therefor comprising a plurality of spring fingers on said string, a wash valve and expander block beneath said fingers, a set shoe, shear means holding said valve in place so that said fingers are connected to said set shoe, hydraulically operable means to shear said means and move said valve to release said connection and to move said valve to closed position.

2,155,382
HYDRAULIC RELEASE FOR WELL BOTTOMS
Ruric N. Bean, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex.
Application September 27, 1937, Serial No. 165,798
13 Claims. (Cl. 166—20)



13. A well bottom including a set shoe, strainer, packer and liner, a wash valve in said bottom, a setting string including a setting tool to set said packer, a wash line to wash through said valve, a connection between said line and said bottom, and hydraulically operable means to release said connection, said connection including radially movable spring fingers.

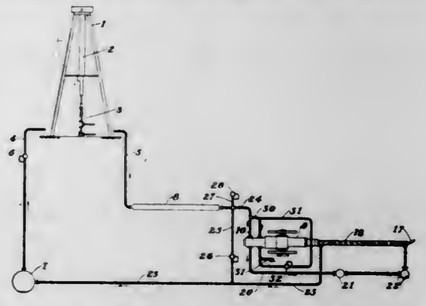
2,155,383
METHOD AND APPARATUS FOR TRANSFERRING HEAT
Richard H. Carr, Evanston, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application December 2, 1935, Serial No. 52,506
16 Claims. (Cl. 123—176)



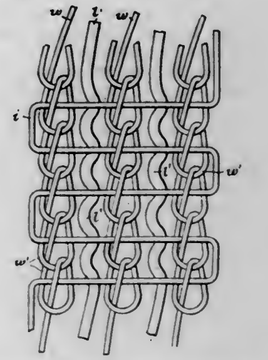
1. The method of transferring heat from one portion to another portion of a closed hollow body which comprises filling the body with a gaseous medium, partially filling the body with a dust of relative high heat conductivity, said dust being sufficiently fine to remain suspended as a fog in said gaseous medium upon shaking said body, closing said body and shaking said body whereby to produce a continuous heat conducting medium comprising dust laden gas by means of which heat passes from a hotter to a cooler portion of said body.

2,155,384
PUMPING SYSTEM AND METHOD OF OPERATING SAME
Richard H. Carr, Evanston, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application August 24, 1934, Serial No. 741,254
8 Claims. (Cl. 60—59)

7. In the method of operating a motor cylinder, the piston of which is loaded with a gravity load, comprising compressing fluid, feeding the compressed fluid to said cylinder whereby to actuate said piston, heating the compressed fluid prior to its delivery to said cylinder, expanding the fluid in said cylinder against said piston by shutting off the fluid supply thereto prior to the end of the working stroke, forcing the fluid from said cylinder back to the compressor under superatmospheric pressure by means of the weight of the gravity load, and cooling the fluid prior to its return to said compressor, the improvement which consists in accumulating a predetermined amount of makeup fluid equal in volume to the volumetric displacement of the compressor piston less the volume of the piston rod, during the compression stroke of the compressor piston, and adding said makeup fluid to the return fluid from the motor cylinder during the suction stroke of the compressor piston only when the pressure of the return fluid falls below a predetermined value.

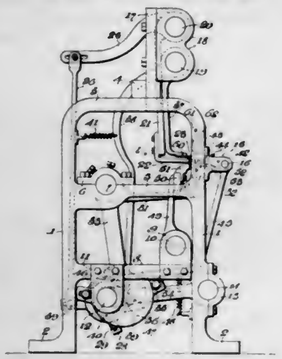


2,155,385
PILE FABRIC AND METHOD OF MAKING SAME
Roy C. Amidon, Fort Plain, N. Y., assignor of one-third to Walter S. Becker, Little Falls, N. Y., and one-third to Lewis M. Fowler, St. Johnsville, N. Y.
Application February 11, 1938, Serial No. 190,101
Renewed August 29, 1938
17 Claims. (Cl. 66—191)



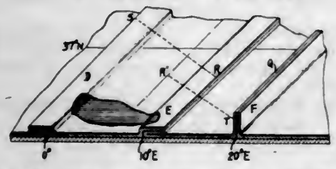
1. A knit pile fabric comprising a plurality of rows of warp chains cross-connected by runs of inlay thread combined with pile threads underlying the runs of inlay thread between the adjacent rows of warp chains and extending up between the adjacent runs of inlay thread to form piles.

2,155,386
KNITTING MACHINE
Roy C. Amidon, Fort Plain, N. Y., assignor of one-third to Walter S. Becker, Little Falls, N. Y., and one-third to Lewis M. Fowler, St. Johnsville, N. Y.
Application March 21, 1938, Serial No. 197,253
13 Claims. (Cl. 66—85)



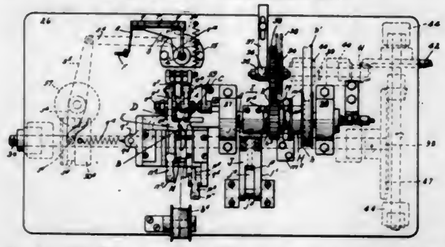
1. In a knitting machine, means to knit parallel chains of warp threads, means to connect said chains by cross threads, means to lay pile threads beneath the cross threads, and means to pull said pile threads through between adjacent cross threads to form pile-loops between said adjacent cross threads.

2,155,387
MAP
William C. Anderson, Montclair, N. J.
Application August 22, 1936, Serial No. 97,426
13 Claims. (Cl. 35—40)



1. A flat map of a portion of the earth's surface adjacent one of the poles, said map being of segmental form provided with a set of radial lines equiangularly spaced apart and representing portions of circles of longitude passing through the pole-indicating-apex of the map and provided with a set of equidistantly spaced apart concentric lines representing coacting portions of circles of latitude, both sets of lines being laid off to a true scale and measured in preselected units of distance, a plurality of flaps, one for each longitude line and hingedly connected at one edge to its associate longitude line and adapted to be swung in opposite directions into position parallel to the face of the map, each of said flaps having its maximum width adjacent its midlength and reducing gradually therefrom in width towards its opposite ends, and the free edges of the flaps representing the true meridians and when the flaps are parallel to the face of the map, the distance between points on the outer free edges of a pair of adjacent flaps when disposed in position relatively turned away from each other on the map surface being equal to the actual distance apart of these two points on the earth's surface when measured in said preselected units of distance.

2,155,388
COIL FILAMENT MANUFACTURE
Victor Anderson, Cliffside Park, and Donald G. Trutner, North Arlington, N. J., assignors to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application October 15, 1937, Serial No. 169,226
33 Claims. (Cl. 153—67)



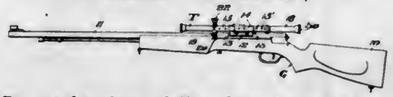
1. A coil filament making machine comprising in combination, a rotary mandrel adapted to be free at one end and upon which by its rotation the filament wire is wound, a spindle with chuck holding the other end of the winding mandrel, drive means for rotating the spindle during winding and having a clutch for causing rotation and stop means to bring the spindle to rest in a definite position when unclutched, a gripper on the spindle for holding the first end of the wire adjacent to the mandrel during winding, a wire guide through which runs the wire from a supply to the mandrel under tension, timed connections to shift the guide to and from the mandrel and longitudinally thereof in a manner to cooperate in applying the wire to the gripper and in advancing or feeding with the progress of the winding to form a helix and in forming and bending a straight stretch of wire into longitudinal position after winding, a severer having timed means operating it to sever midway the bent stretch of wire, thus detaching the wound filament from the supply, a retractible rest for the free end of the mandrel adapted to give it bearing during winding, bending and severing and having timed means to retract it thereafter, and an outfeeding device having timed means to shift it adjacent to the mandrel and to engage the detached coil when the rest is retracted and to slide the coil from the mandrel and transport it to a delivery position.

2,155,389
SIGHTING MEANS FOR GUNS
Thomas R. Arden, Baldwin, N. Y., assignor to Ultrad Products, Incorporated, a corporation of New York
Application March 9, 1937, Serial No. 129,951
15 Claims. (Cl. 33—50)



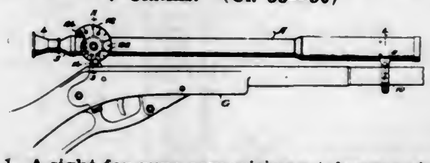
1. In a telescopic sight for a gun having a barrel, a telescope disposed longitudinally relative to the gun, an adjustable range finder included in said telescope so that sighting therethrough to ascertain the range of a target can be effected only by sighting the target through the telescope, means mounting said telescope on the gun for movement therewith and in a fixed operative position longitudinally with respect thereto and means, responsive to adjustment of said range finder to ascertain the distance to a target, to effect a vertical angular adjustment of the line of sight through the telescope relative to the axis of the gun barrel, such that, for a given projectile having a given muzzle velocity, sighting of the target through said telescope will result in the gun being disposed at the proper elevation to cause the projectile to strike the target at a point in definite relationship to the point of striking of the line of sight thereon.

2,155,390
SIGHTING MEANS FOR GUNS
Thomas R. Arden, Baldwin, N. Y., assignor to Ultrad Products, Incorporated, Jamaica, N. Y., a corporation of New York
Application November 1, 1937, Serial No. 172,241
7 Claims. (Cl. 33—50)



7. In mechanism of the class described, a telescope barrel, a fixed stadia hair therein, a yoke element rockably mounted in said telescope barrel, a stadia hair carried by said yoke element for movement toward and away from said fixed stadia hair responsive to rocking of said yoke element, a cam slidable on the telescope barrel, a cooperating cam follower on said yoke element, and spring means tending constantly to rock said yoke in a direction to urge said cam follower into contact with said cam.

2,155,391
SIGHT FOR TOY GUNS
Thomas R. Arden, Baldwin, N. Y., assignor to Ultrad Products, Incorporated, a corporation of New York
Application April 4, 1938, Serial No. 199,740
7 Claims. (Cl. 33—50)



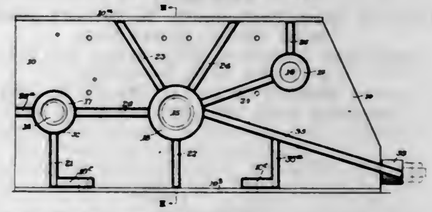
1. A sight for guns comprising a telescope simulating barrel, a magnifying lens and a cooperating reticle mounted within said barrel near its forward end, a peep sight carried by said barrel near its rear end, means for pivotally mounting said barrel upon a gun, a cam follower to be mounted on the gun, and a cam mounted on the barrel near its rear end for cooperation with said cam follower to mount the rear end of the barrel upon the gun for vertical adjustments responsive to actuation of said cam.

2,155,392
METHOD OF FORMING PRINTING CYLINDERS
Ernest S. Ballard, Berkeley, Calif., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Original application April 16, 1928, Serial No. 270,367. Divided and this application November 30, 1932, Serial No. 645,077
4 Claims. (Cl. 204—6)

1. A printing cylinder consisting of a base provided with a barrier layer of nickel polished to a mirror-like finish, and a layer of copper electrodeposited on said base, said layer having a thickness not materially greater than just sufficient to permit the etching therein of the printing surface in the copper layer.

3. The method of providing a printing cylinder with a copper layer suitable for etching, which consists in providing a cylindrical base with a passivating layer of nickel having a smooth-polished finish resistant to the action of the electrolyte of a copper electroplating apparatus, immersing said cylinder in the electrolyte of a copper electroplating apparatus, rotating said cylinder on a substantially horizontal axis through the electrolyte at a relatively high surface speed in manner to cause a continual circulation of the electrolyte during the deposition of the copper and to allow of a voltage which will insure a high current density, and causing current of approximately two hundred amperes per square foot of cylinder immersed in the electrolyte to flow until a dense non-porous layer of copper of sufficient thickness is produced without burning.

2,155,393
CRUSHER FRAME
William A. Battey, Haverford Township, Delaware County, Pa., assignor to Pennsylvania Crusher Company, New York, N. Y., a corporation of New York
Application June 16, 1933, Serial No. 676,138
1 Claim. (Cl. 83—53)

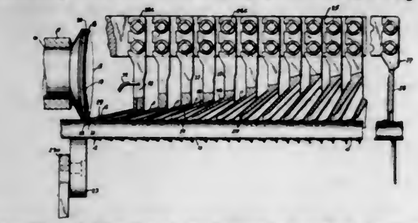


A unit frame for roll crushers comprising vertical side walls in parallel relation and each of said walls having a plurality of openings of which some are larger than others; said openings being in transverse alignment, bearing housings mounted in said larger openings and welded to said walls; said walls consisting of integral rolled plate members with outturned top and bottom flanges horizontally disposed, reinforcing ribs welded to the outer surface of said walls between the bearing housings and between the bearing housings and said flanges of the side walls for reinforcing said side walls and supporting said bearing housings, a cross member of channel form transversely disposed between the vertical side walls at one end of the frame and extending from top to bottom of the same, a cross member at the opposite end of the frame transversely disposed above one set of the bearing housings; said cross-members defining the longitudinal dimensions of the crushing chamber and being welded at their end edges to said side walls, a base plate disposed between said side walls at one end of the frame and having its end edges welded to said side walls, and a vertical end plate connected to said base plate and the side walls; one pair of said reinforcing ribs extending from the outer surface of said vertical side walls around said end plate.

2,155,394
METHOD OF AND APPARATUS FOR MAKING HEAT EXCHANGING ELEMENTS
Alfred J. Berg, Portsmouth, N. H., and John O. Huse, United States Navy
Application February 14, 1936, Serial No. 63,895
7 Claims. (Cl. 29—157.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of making a heat exchange device including a heat exchange element provided

with a heat exchange fin secured thereto, comprising the steps of securing a portion of a metal strip to a heat exchange element to form at least one convolution thereabout and then progressively bending the unsecured portion of the strip outwardly of the heat exchange element and angularly with respect to its secured portion to directly form by the bending operation a heat exchange fin circumferentially secured to a heat exchange element.

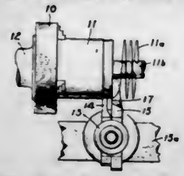


2,155,395

METHOD OF MAKING A HEAT EXCHANGING ELEMENT

Alfred J. Berg, Portsmouth, N. H., and John O. Huse, United States Navy

Application August 4, 1937, Serial No. 157,379
5 Claims. (Cl. 29—157.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of making an apertured helical heat exchange fin, comprising progressively cutting a bar of heat conductive metal continuously at its end and in the direction of its length to a depth that leaves an uncut portion of the bar to directly form by the cutting operation an apertured helical heat exchange fin, simultaneously as a part of the aforesaid cutting operation severing the fin at its inner periphery from the uncut portion of the bar, and supporting the apertured helical heat exchange fin thereon during the cutting operation.

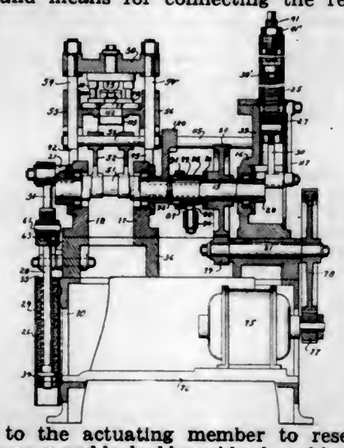
2,155,396

FLYING SHEAR

Alexander Borzym, Detroit, Mich., assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio

Application February 9, 1934, Serial No. 710,430
20 Claims. (Cl. 164—49)

1. In a device of the character described, a frame, a traveling carriage carried thereby, a cutting element carried by the carriage and movable toward and from the same, an actuating member carried by the frame, means connecting said actuating member and cutting element for operating the latter, means for applying power to the actuating member to move it and the cutting element from its initial position through a desired working phase, means operated by said actuating member for controlling the movement of the carriage relative to the movement of the cutter, releasable means operable to lock said power means in set position with said actuating member in its initial position, resetting means operable independently of said member and element, and means for connecting the resetting means to the actuating member to reset said power means and locked by said releasable means.

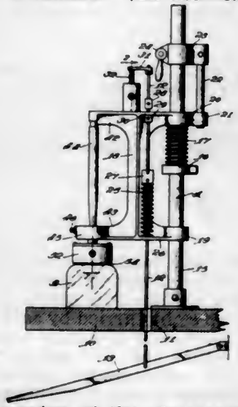


2,155,397

CONTAINER AND MEANS FOR EXHAUSTING AIR THEREFROM

Wayne D. Brandon, Glenview, Ill., assignor to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware

Application August 7, 1935, Serial No. 35,181
4 Claims. (Cl. 226—82)



1. In apparatus of the character set forth, a support for a container, a standard extending above said support, a frame movably mounted on said standard, spring means urging said frame toward raised position, a valve rod extending through said frame, means for depressing said valve rod, and a spring associated with said valve rod, said spring being stronger than said first-mentioned spring so as to bring about a movement of said frame downwardly before said valve rod is actuated the required distance, a sealing head carried by said frame and adapted to form an air-tight chamber about at least a portion of said container, and means connecting said head with a reduced pressure line.

2,155,398

WRAPPING MACHINE

Wilhelm B. Bronander, Montclair, N. J.

Application July 11, 1936, Serial No. 90,091
19 Claims. (Cl. 93—2)

1. In a wrapping machine, a support, an endless carrier, a plurality of spaced feeding elements mounted on said carrier and movable successively over said support to feed articles to be wrapped, means for positioning wrapper blanks in the path of the articles fed along said support, a second support, folding means at the sides of said support, a second endless carrier and a plurality of spaced feeding elements mounted thereon and successively engageable with articles on the second support for feeding the articles and wrappers along said second support, said two carriers and feeding elements being so relatively arranged that the two sets of feeding elements will operate without interference with each other, the feeding elements on the second carrier having spaced portions, one portion being engageable with the rear edge of the article being fed and the other portion being disposed below said first portion, the lower end flap of the wrapper being disposed between said portions during the feeding movement.

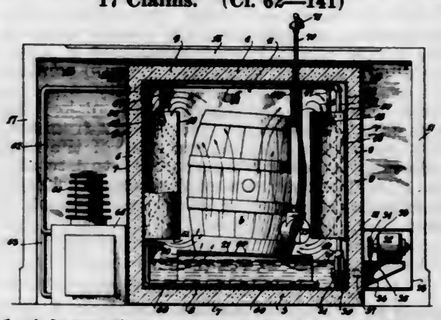


2,155,399

APPARATUS FOR COOLING BREW

John M. Bruce, New York, N. Y.

Application November 8, 1937, Serial No. 173,311
17 Claims. (Cl. 62—141)



1. A brew-dispensing installation including, an insulated cabinet adapted to accommodate a brew transportation barrel therein, means for supporting a brew barrel in dispensing position within said cabinet, a receptacle for cooling liquid in said cabinet, refrigerating means including a cooling element operative to cool a liquid in said receptacle, means for saturating air in said cabinet with said liquid and effecting a circulation of the liquid-laden air around the transportation barrel to bring the brew in the barrel to, and maintain it within, a predetermined dispensing temperature range.

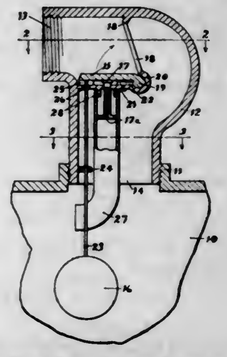
2,155,400

COMBINATION OVERFLOW AND PRESSURE VALVE

Nemo V. Caminiti, Springfield, Long Island, N. Y.

Application December 24, 1936, Serial No. 117,487
Renewed July 28, 1938
7 Claims. (Cl. 137—68)

1. A device of the class described, comprising a valve body for guiding the passage of fuel into a tank and having a recessed horizontal portion and a substantially vertical valve seat portion, a valve element hingedly mounted at one side and normally disposed horizontally on said horizontal portion and adapted to be closed by being raised by the passage of fuel through said valve body when slightly lifted from its horizontal position and a float device to slightly lift said valve when the liquid in said tank reaches a pre-determined level.

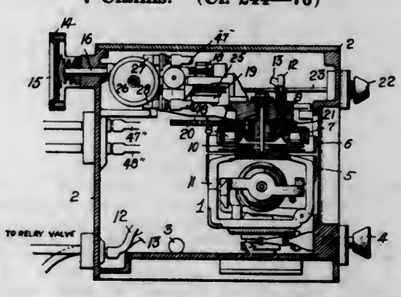


2,155,401

RATE CONTROL COURSE CHANGING MEANS FOR AUTOMATIC PILOTS

Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 10, 1937, Serial No. 152,888
7 Claims. (Cl. 244—76)



1. In an automatic pilot for dirigible craft having a rudder, the combination with course maintaining means, of a rudder servomotor, a controller at said means for controlling the rudder, a second servomotor for turning said controller to cause turning of the craft, a variable speed device between said last mentioned motor and said controller, and means for setting the desired rate of turn into said device.

2,155,402

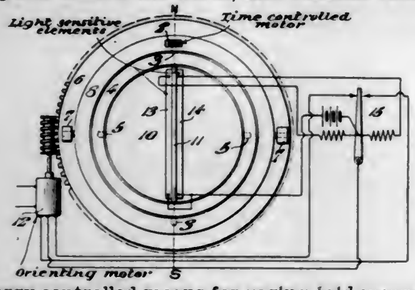
SUN COMPASS

Joseph C. Clark, Merchantville, N. J., assignor, by mesne assignments, of one-half to Charles Townsend Ludington, Ardmore, Pa., and one-half to Nicholas S. Ludington, Ardmore, Pa.

Application July 6, 1934, Serial No. 734,057
26 Claims. (Cl. 33—61)

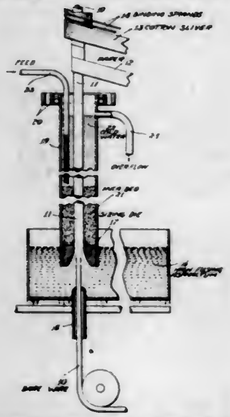
1. In a compass, means adjustable in azimuth to lie in a true north and south line, light sensitive means responsive to the radiant energy of the sun, and means controlled by said light-sensitive means to adjust the first means to a predetermined relation to the north-south direction upon deviation of the said means from such relation.

3. In a compass, means adjustable in azimuth to point toward the north, and celestial radiant



energy controlled means for urging said means to point toward the north.

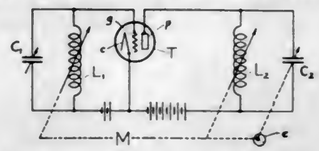
2,155,403
METHOD OF MAKING INSULATED WIRE
William E. Cook, New York, N. Y.
Application June 13, 1936, Serial No. 85,065
7 Claims. (Cl. 174—244)



1. The herein described method of making insulated wire embodying therein the steps of passing a wire vertically through a bath of an asphaltum compound having a high melting point, removing from the wire excess compound, immediately thereafter hardening or chilling the compound on the wire, applying a dam or barrier stratum of non-deformable material impenetrable by the heavier constituents of said compound, to said hardened or chilled inner stratum, laying an outer stratum of fibrous material upon said dam or barrier stratum, and saturating or impregnating said body of fibrous material with an asphaltum compound having a lower melting point than the compound in said inner stratum.

2,155,404
AMPLIFIER CIRCUIT
Liva Morgan Craft, Cedar Rapids, Iowa, assignor, by mesne assignments, to Collins Radio Company, a corporation of Iowa
Application December 26, 1935, Serial No. 56,266
1 Claim. (Cl. 179—171)

An electron tube amplifier circuit comprising an electron tube having anode, control grid, and cathode electrodes with inherent capacity (C_{gp}) between said grid and plate electrodes, a tunable input circuit connected with said control grid and cathode electrodes, a tunable output circuit connected with said anode and cathode electrodes, variable capacitive elements in said input and output circuits for tuning said circuits inductive elements (L_1 and L_2) in said input and output circuits providing substantially the entire inductance in said circuits and being arranged with mutual inductance therebetween, and means operative in conjunction with one of said tunable



circuits for varying said mutual inductance, said means being adapted to cause the coefficient of said mutual inductance (M) to vary as the square of the frequency (f) to which said tunable circuit is tuned, in accordance with the relation $M=(2\pi f)^2 C_{gp} L_1 L_2$, said coefficient of mutual inductance being substantially less than unity and effective in a positive, non-regenerative sense.

2,155,405
ELECTRICAL CONDUCTOR
Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application April 28, 1938, Serial No. 204,912
8 Claims. (Cl. 173—13)

1. An electrical conductor characterized by a combination of high electrical conductivity and high tensile strength and formed of a copper-base alloy and treated to give the said combination of high electrical conductivity and high tensile strength, and containing: nickel from about 0.25% to about 3%; phosphorus from about 0.05% to about 0.6% and the ratio of the nickel to phosphorus being from about 3.5 to 1 to about 7 to 1; and copper; the said copper, nickel and phosphorus constituting 93% or more of the alloy.

2,155,406
ELECTRICAL CONDUCTOR
Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application April 28, 1938, Serial No. 204,913
9 Claims. (Cl. 173—13)

1. An electrical conductor characterized by a combination of high electrical conductivity and high tensile strength, and formed of a copper-base alloy heat-treated and cold-worked and containing: iron from about 0.3% to about 3%; phosphorus from about 0.1% to about 0.6% and the ratio of iron to phosphorus being from about 2.5 to 1 to about 5.5 to 1; metal selected from a group consisting of tin and zinc, the tin not exceeding about 1.5% and the zinc not exceeding about 10%, the total per cent of tin and/or zinc being such that the

$$\frac{\%\ \text{tin}}{1.5}\ \text{plus}\ \frac{\%\ \text{zinc}}{10}$$

is from about 0.05 to about 1; and the combination of high electrical conductivity and high tensile strength being due primarily to the combined effect of the iron, phosphorus, tin and/or zinc, heat-treatment and cold-working.

2,155,407
ELECTRICAL CONDUCTOR
Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application April 28, 1938, Serial No. 204,914
7 Claims. (Cl. 173—13)

1. An electrical conductor characterized by a combination of high electrical conductivity and high tensile strength, and formed of a copper-base alloy and treated to give the said combination of high electrical conductivity and high tensile strength, and containing: nickel from about 0.25% to about 3%; phosphorus from about 0.05% to about 0.6% and the ratio of the nickel to phosphorus being from about 3.5 to 1 to about 7 to 1; metal selected from a group consisting of cadmium, tin and zinc, the cadmium not exceeding about 1.5%, the tin not exceeding about 1.5% and the zinc not exceeding about 10%, the total per cent of cadmium and/or tin and/or zinc being such that the

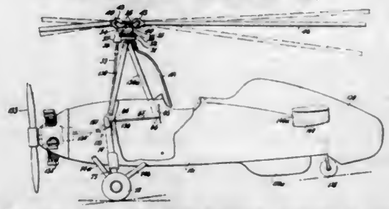
$$\frac{\%\ \text{cadmium}}{1.5}\ \text{plus}\ \frac{\%\ \text{tin}}{1.5}\ \text{plus}\ \frac{\%\ \text{zinc}}{10}$$

is not greater than about 1; and copper; the said copper, nickel, phosphorus, cadmium and/or tin and/or zinc constituting 93% or more of the alloy.

2,155,408
COPPER BASE ALLOYS
Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
No Drawing. Application April 28, 1938, Serial No. 204,915
7 Claims. (Cl. 75—159)

1. A copper-base alloy characterized by a combination of age-hardenability and small-grain size and containing: beryllium from about 0.4% to about 2.5%; nickel from about 0.1% to about 2%; phosphorus from about 0.02% to about 0.4% and the ratio of the nickel to phosphorus being from about 3.5 to 1 to about 7 to 1; and copper; the said copper, beryllium, nickel and phosphorus constituting substantially all of the alloy.

2,155,409
AIRCRAFT WITH AUTOROTATIVE WINGS
Juan de la Cierva, Madrid, Spain, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application January 15, 1936, Serial No. 59,293
In Great Britain January 16, 1935
42 Claims. (Cl. 244—18)



1. In an aircraft sustaining rotor, a hub, a blade and pivots connecting the blade with the hub, the pivots including one having its axis angled upwardly and outwardly with reference to the longitudinal blade axis and another having its axis angled upwardly and inwardly with reference to the longitudinal blade axis.

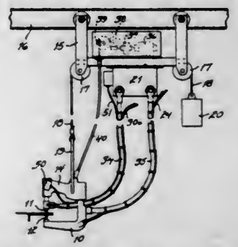
2,155,410
PRODUCTION AND TREATMENT OF ARTIFICIAL TEXTILE MATERIALS CONTAINING ORGANIC DERIVATIVES OF CELLULOSE
Henry Dreyfus, London, England
No Drawing. Application February 4, 1936, Serial No. 62,329. In Great Britain March 7, 1935
7 Claims. (Cl. 18—54)

1. Process for the manufacture of artificial textile materials of improved properties, which comprises stretching at temperatures of at least 50° C. artificial filaments, yarns and like textile materials having a basis of an organic derivative of cellulose, containing a proportion of at least 40% on the weight of the cellulose derivative of a plasticizer for such cellulose derivative which is compatible therewith in a proportion of at least 50% and containing substantially no volatile softening agent.

2,155,411
MANUFACTURE OF CELLULOSE DERIVATIVE MATERIALS
Henry Dreyfus, London, England
No Drawing. Application January 12, 1937, Serial No. 120,221. In Great Britain March 7, 1935
4 Claims. (Cl. 8—132)

1. Process for increasing the tensile strength of artificial materials, which comprises stretching by at least 50% of their original length in a hot aqueous fluid which is at a temperature above 100° C., which is free from organic softening agents and which is selected from the group consisting of wet steam and hot water, artificial filaments, foils and similar materials made of organic derivatives of cellulose and containing plasticizers which are compatible with the cellulose derivatives in a proportion of at least 50%.

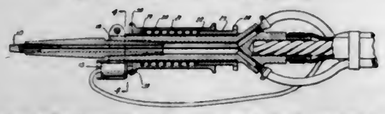
2,155,412
WELDING APPARATUS
Merll L. Eckman, Cleveland, Ohio, assignor to American Coach and Body Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1937, Serial No. 123,369
11 Claims. (Cl. 219—4)



1. In combination, a portable electric welding tool having a pair of electrodes, one of said electrodes being mounted for movement toward and away from the other electrode, a lever carried by said tool to move the movable electrode, power-operated actuating mechanism for said lever including a constantly operating motor remotely mounted relative to the tool, a travelling support for said motor, a flexible conduit interconnecting said support and said tool, a flexible metallic member carried by said conduit and interconnected between the motor and the lever, timing mechanism carried upon said support for controlling a welding circuit for said electrodes, and means operatively connecting the flexible

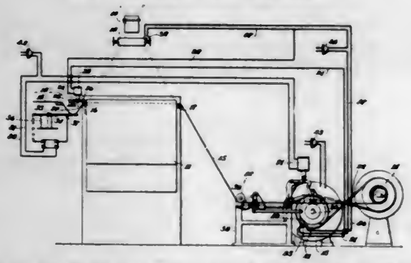
metallic member and timing mechanism in a manner to cause establishment of the circuit in relation to a predetermined position of said flexible member.

2,155,413
WELDING APPARATUS
Meril L. Eckman, Cleveland, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application April 7, 1937, Serial No. 135,514
6 Claims. (Cl. 219—4)



3. An electric welding apparatus of the class described, comprising in combination, an electrode, a holder therefor, a handle mounted for axial movement upon the holder, a stop on the holder, means for normally holding said handle against said stop, and a controller carried by the holder for controlling the flow of welding current to said electrode, such controller being actuated only upon relative axial movement between said holder and handle.

2,155,414
TAPE ADVANCING MACHINE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application February 7, 1929, Serial No. 338,065
Renewed April 17, 1934
24 Claims. (Cl. 88—24)

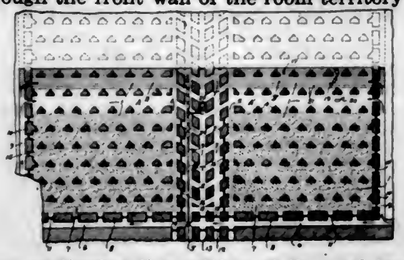


1. In a stock quotation projecting machine, the combination with a stock ticker adapted to discharge ticker tape as it is marked, of a projecting device, and means for drawing the tape in a step by step manner through said device to advance the successive areas of the tape into and out of a predetermined position of rest within said device; said means being automatically operable by the tape portions which are discharged from said ticker during periods of rest in said device.

21. In combination, a telegraph printing apparatus adapted to eject tape therefrom, a support, a tape puller for moving said tape across the support, tape engaging means operable to grip the tape to arrest its motion when there is a predetermined amount of tape between the printing apparatus and support, and electromagnetic means for releasing the tape after a predetermined length thereof, corresponding to a plural number of characters, has been ejected by the printing apparatus.

2,155,415
COAL MINING SYSTEM
James H. Fletcher, Wilmette, Ill.
Application November 19, 1936, Serial No. 111,567
4 Claims. (Cl. 262—1)

1. In the method of mining coal in a panel in which a series of entries and a series of rooms are formed, with elongated rooms extending laterally from a main tunnel to the side of the panel, the steps of mining the coal in each room which comprise driving a series of spaced entries through the front wall of the room territory and



then continuing the cutting of the coal lengthwise of the room territory in a series of cuts along the length of the room territory to remove elongated strips of coal and provide communication between the room and the tunnel, and removing a plurality of elongated strips of coal to provide the desired width of the room.

2,155,416
TUBE EXPANDER
George A. Geyer, Richmond Hill, N. Y.
Application March 19, 1938, Serial No. 196,898
1 Claim. (Cl. 153—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A tube expander comprising a frusto-conical member having a shoulder terminating its greatest diameter and an internally conical externally spherical diagonally slit expanding member carried on said frusto-conical member, whereby when said members are forced through a tube to be expanded, said spherical member may expand until it abuts said shoulder to then expand the tube, and when said members are retracted, said spherical member may contract to permit easy removal.

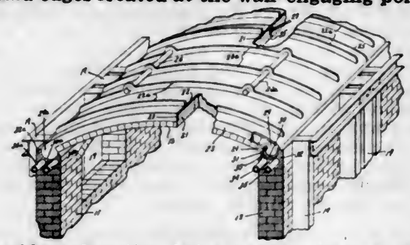
2,155,417
MANUFACTURE OF PROTEIN COMPOSITION
Carroll L. Griffith, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application September 11, 1937, Serial No. 163,353
9 Claims. (Cl. 99—18)

3. A dry solid product comprising essentially the dried residue of a homogeneous liquid containing hemoglobin of animal blood and casein of animal milk, in which dry product the hemoglobin and casein comprise the predominant protein material and are intimately associated with each other.

2,155,418
FURNACE CONSTRUCTION
John O. Griggs, Lakewood, and Bert H. Leeks, Bedford, Ohio
Application September 22, 1936, Serial No. 101,970
4 Claims. (Cl. 263—46)

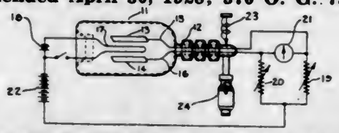
1. In an open hearth furnace having a bottom, front and back walls, ends, and a roof, a semi-

cylindrical trough at the top of one of said walls, a roof section engaging the top of said wall and including a metallic frame having flanged edges, a refractory lining held by said frame, and one of said edges located at the wall-engaging portion



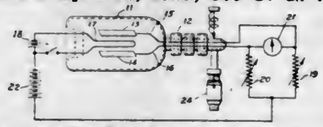
of said roof section being bent to form a cylindrical portion complementary to said trough, interfitting therewith and adapted to rotate therein to form a pivotal mounting for said roof section.

2,155,419
APPARATUS FOR THE DETECTION OF DISPLACEMENTS
Ross Gunn, Washington, D. C.
Application December 4, 1936, Serial No. 114,111
12 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



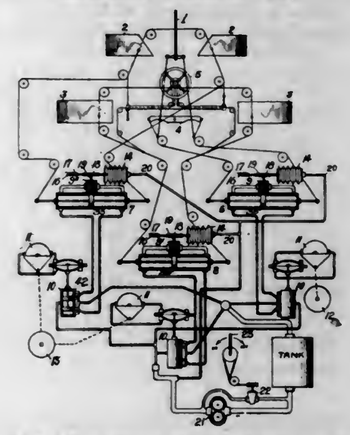
2. A space discharge device comprising an envelope enclosing at least three electrodes, said electrodes including at least one immovably mounted cathode and at least one movably mounted anode, the said three electrodes being mounted for simultaneous cooperation and being disposed to cause an increase in one anode cathode resistance simultaneously with a decrease in a like resistance, and means operable to impart rotational movement to at least one of said three electrodes to cause simultaneously thereamong a decrease in electrical resistance between the first and second electrode and an increase in electrical resistance between the first and third electrode.

2,155,420
APPARATUS FOR THE DETECTION OF DISPLACEMENTS
Ross Gunn, Washington, D. C.
Application December 4, 1936, Serial No. 114,112
5 Claims. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



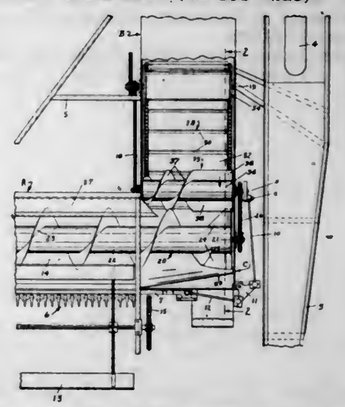
1. An apparatus for detecting mechanical displacements comprising in combination an envelope enclosing at least three electrodes, at least one of which is electron emissive and at least one of which is movable, means responsive to the mechanical displacement to be detected for imparting movement to at least the movable electrode, and means unaffected by any change in electron emissivity for indicating any detected displacement.

2,155,421
SAFETY DEVICE FOR HYDRAULIC SERVO-MOTORS
Theodore W. Kenyon, Huntington, Stephen J. Zand, Forest Hills, and Bert G. Carlson, Freeport, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 9, 1937, Serial No. 178,972
4 Claims. (Cl. 244—78)



2. In a fluid pressure servo system for aircraft, a source of fluid pressure, a plurality of servo cylinders, a rotary bypass valve for each cylinder, metallic bellows means responsive to loss of pressure in the operating fluid for opening said valves, and manual means for substantially reducing said pump pressure to cause all said valves to open simultaneously.

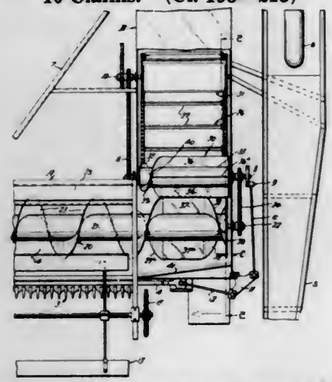
2,155,422
COMBINE
Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application February 8, 1937, Serial No. 124,650
8 Claims. (Cl. 198—213)



1. In a combine, a conveyor system for transferring grain from the cutter to the separator and comprising a feed screw for initially conveying the grain from the cutter, a conveyor for conveying the grain to the separator from the feed screw, and a separate rotary device having beater

blades and a screw acting means for reception of the grain from the feed screw to carry the grain to the beater blades.

2,155,423
COMBINE
Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application December 20, 1937, Serial No. 180,780
10 Claims. (Cl. 198—213)



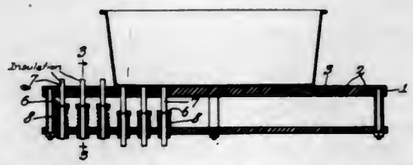
1. In a combine, a conveyor device for transferring grain from the cutter to the separator conveyor, a feed screw for initially conveying the grain from the cutter and having a helical vane leading toward the said separator conveyor, the said vane terminating first in a straight beater blade in alignment with the transverse central portion of the separator conveyor and then in a reversely turned helical vane extended to the extremity of the screw, and another beater blade located oppositely to the first mentioned blade and terminating in reversely turned and oppositely extending helical vanes extended along the feed screw.

2,155,424
WINDOW SCREEN
George A. Kreuscher, Kenosha, Wis., assignor to W. J. Dennis & Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1937, Serial No. 120,416
3 Claims. (Cl. 156—14)



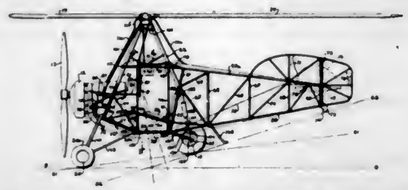
1. In a window screen, the combination with a window casing having a recess therein and outer stops associated therewith, of upper and lower screen frames positioned within said casing and in substantially vertical alignment, said frames having overlapping cooperating portions on their respective adjacent ends and cooperable with said outer stops for maintaining said frames in such alignment, cooperating means mounted rigidly on said lower frame and said stops, respectively, for securing the lower frame snugly against the stops and within said casing, and a spring actuated manually operated fastening member slidably mounted in said upper frame and engageable with said recess for securing the upper frame in operative position with relation to said stops and within the window casing.

2,155,425
ELECTRIC STOVE OR THE LIKE
Frank J. La Mere, Minneapolis, Minn.
Application October 3, 1936, Serial No. 103,935
5 Claims. (Cl. 219—37)



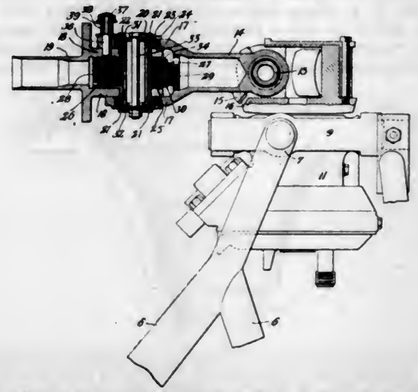
4. In an electric cooking stove or the like a heating unit including a group of separate concentric heating elements normally insulated from each other, and means controlled by the deposit of an article to be heated on the stove and by the diameter of the article for selecting and energizing those elements of the group beneath and in position to heat the article.

2,155,426
ROTATIVE-WINGED AIRCRAFT
Agnew E. Larsen, Huntingdon Valley, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application September 9, 1935, Serial No. 39,671
23 Claims. (Cl. 244—18)



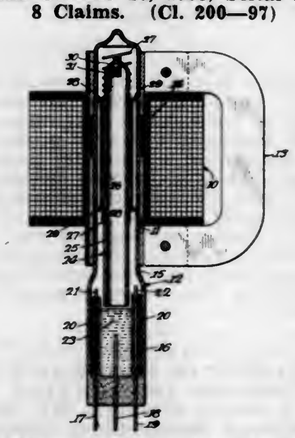
1. In an aircraft, sustention means comprising rotary wings and a hub, propulsion means and alighting mechanism, the hub, the propulsion means and a major load-carrying element of the alighting mechanism being centered adjacent the vertical longitudinal midplane of the craft, and a body or fuselage incorporating, as its major load carrying structure, a triangulated frame lying substantially in the central longitudinal vertical plane, having means for mounting and receiving the lift from the rotor hub adjacent the upper apex of said triangular frame, means for mounting and receiving the thrust of the propulsion means adjacent the forward apex of said frame, and means for mounting and receiving the compression loads of said major load carrying element adjacent the rear apex of said triangular frame.

2,155,427
AIRCRAFT SUSTAINING ROTOR
Agnew E. Larsen, Huntingdon Valley, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application October 19, 1936, Serial No. 106,343
10 Claims. (Cl. 244—18)



1. For an aircraft sustaining rotor having a hub and a blade pivotally secured thereto, a pair of blade mounting members each of which is forked and the prongs of one of which are fitted between the prongs of the other, the interfitting prongs of the two forks being apertured to receive pivot parts, a pair of pivot parts one of which projects through the apertures in one prong of each member and the other of which projects through the apertures in the other prong of each member, a friction disc device for controlling pivotal movement of said members about the axis of said parts including a plurality of discs interposed between the pivot parts, and adjustable means for advancing said pivot parts toward and away from each other to adjust the pressure of the friction discs.

2,155,428
MERCURY SWITCH
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application October 10, 1935, Serial No. 44,398
8 Claims. (Cl. 200—97)

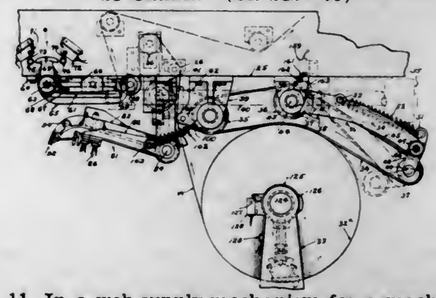


1. In a mercury switch relay, the combination of a coil, a mercury switch associated with the coil comprising a switch envelope, a mercury fill, an armature adapted to move in response to the coil to displace more or less mercury according to the direction of movement, a gas fill, a plurality of electrodes projecting into the envelope, one of which is positioned exteriorly of the armature above the high mercury level, and means for closing the circuit through said one electrode and one other for a predetermined time in response to said coil, said means including a time delay element associated with the armature.

2,155,429
METHOD OF MOLDING CORK PRODUCTS AND SIMILAR MATERIAL
Michael Levin, Buffalo, N. Y., assignor of fourtenths to Jacob T. Basseches, New York, N. Y.
No Drawing. Application December 23, 1931, Serial No. 582,877
11 Claims. (Cl. 18—48)

1. The method of making a formed artificial cork which comprises mixing a granular cork base with a fluid binding material including dispersed rubber and a heat irreversible albumen taken from the group consisting of egg albumen and blood albumen, packing the mass into a mold in the wet state, heating to form a self-sustaining mass and to coagulate the albumen and coalesce the dispersed rubber and render the entire mass non-reactive to aqueous vehicles.

2,155,430
WEB SUPPLY MECHANISM
Arvid Lundquist, Raymond A. Freeman, and William C. Wieking, New York, N. Y., assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 2, 1933, Serial No. 700,652
28 Claims. (Cl. 242—75)

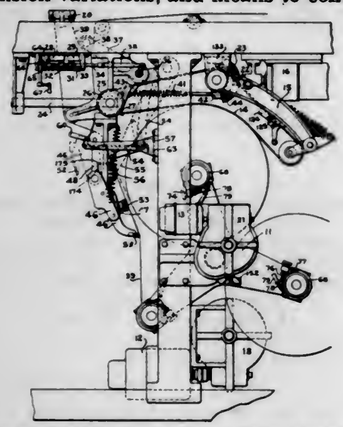


11. In a web supply mechanism for a machine operating upon a web drawn from a web roll, a roll controlling belt engaging the periphery of the roll, pulleys to support said belt, a swinging arm to support one of said pulleys, means to drive said belt, and means to swing said arm whereby the wrap of the belt around the web roll may be increased or decreased in varying degree in response to variation in web tension.

2,155,431
WEB ROLL CONTROL MECHANISM FOR PRINTING MACHINES
William C. Wieking, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 31, 1935, Serial No. 56,883
28 Claims. (Cl. 242—75)

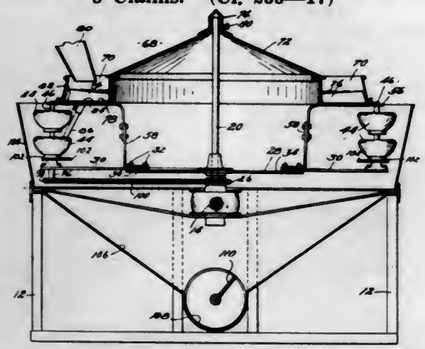
4. In a web supply mechanism, a web tensioning device including a movable web roll engaging member, means to move said member, a swingable arm movable by variations in web tension, means actuated by movements of said arm to control

said member moving means to compensate for web tension variations, and means to control the



operation of said member moving means to cause it to operate in intermittent steps.

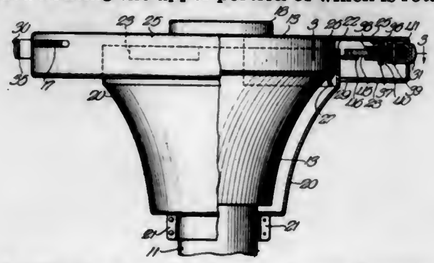
2,155,432
ROTARY CONCENTRATOR
Rockwell M. MacCormac, Kansas City, Mo.
Application June 24, 1935, Serial No. 28,155
5 Claims. (Cl. 233—17)



4. A concentrator comprising a stationary frame; a vertically disposed shaft rotatably carried by said frame; a horizontally disposed turntable carried by and rotatable with said shaft; a plurality of vertically disposed series of rotatably mounted vertically disposed concentrating cups having a smooth uninterrupted inner surface in the direction of travel, carried by the table and arranged concentrically with said shaft and adapted to retain the heavy materials; a circular feed distributor carried by said shaft above said cups, having a trough with an outwardly and downwardly inclined outer wall and having means for delivering substantially equal quantities of material to each of said cups; means for simultaneously rotating said table in one direction and the cups about their respective axes in the opposite direction; and a stationary means whereby material is delivered to said distributing means.

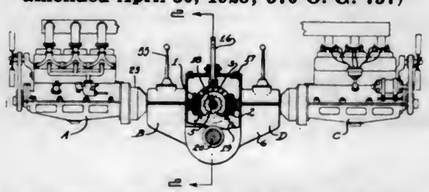
2,155,433
AUTOMATIC DIRECTION SIGNALING DEVICE FOR VEHICLES
Ralph Markham, Chicago, Ill.
Application November 23, 1936, Serial No. 112,253
5 Claims. (Cl. 200—59)

1. An automobile turn signaling device for attachment to the steering wheel and steering column, comprising an integral annular upper casing attached to the rotatable steering wheel and having four walls defining an annularly-extending transversely angular space, a generally cup-shaped lower casing attached to the stationary steering column with the open upper end disposed in a plane lying above the bottom line of said annular space defined by said upper casing, said casings forming an exteriorly substantially closed housing the upper portion of which is rotat-



able with the steering wheel, horizontally-extending switching means carried only in said annular upper casing, a push button for said switching means protruding laterally from said upper casing for actuating said switching means, and cam means carried by said cup-shaped stationary lower casing substantially at the upper open end thereof and within the annular space defined by the top and bottom walls of said annular rotatable casing for automatically restoring said switching means depending on the direction of rotation of said steering wheel.

2,155,434
TRANSMISSION MECHANISM
John W. Marsh, Washington, D. C.
Application October 20, 1936, Serial No. 106,574
5 Claims. (Cl. 74—389)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

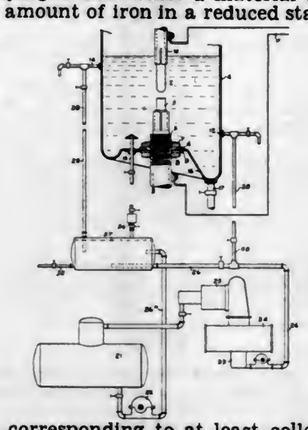


1. In a power transmission assembly, the combination of two prime movers, an independent clutch and an independent gear-ratio-changing mechanism associated with each prime mover, a reversing mechanism to which the power output shafts from said ratio changing mechanisms are connected, said reversing mechanism including means alternately coacting with the clutch and gear-ratio-changing mechanism of the respective prime-movers to permit a change in the ratio of power transmission from one prime mover without interrupting the delivery of power from the other prime mover.

2,155,435
TREATMENT OF FEED WATER FOR BOILERS AND THE LIKE
James P. A. McCoy, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 14, 1930, Serial No. 444,064
10 Claims. (Cl. 210—16)

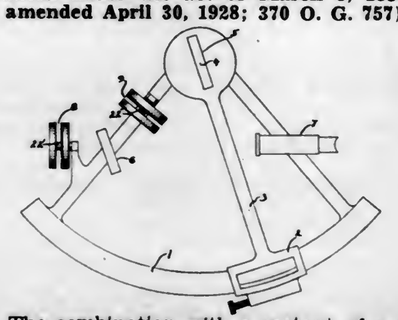
1. A process of treating water fed to boilers or

the like to remove scale therefrom and inhibit further formation of scale thereon, which consists in supplying to said water a material containing a small amount of iron in a reduced state of sub-



division corresponding to at least colloidal condition and in association with an agent effective to assist in maintaining said iron in dispersed condition in the water.

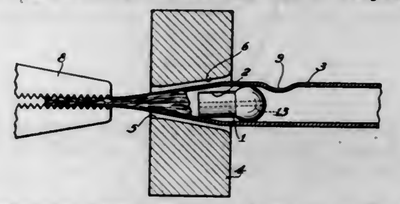
2,155,436
OPTICAL INSTRUMENTALITY PROVIDED WITH A VARIABLE LIGHT FILTER
James A. McNally, United States Navy
Application February 26, 1937, Serial No. 127,939
2 Claims. (Cl. 88—2.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a sextant of a variable light filter, said filter comprising a plurality of relatively movable polarizing bodies, means for mounting and securing one of said polarizing bodies on and to the sextant and in an optical path of the same, a second means for mounting and adjustably securing another of said polarizing bodies on and to the sextant to enable the selective positioning of this body into and out of an optical path of the sextant but independently of the first mentioned body, and means operable to vary the orientation of the polarizing axis of one of said bodies with respect to the polarizing axis of another body.

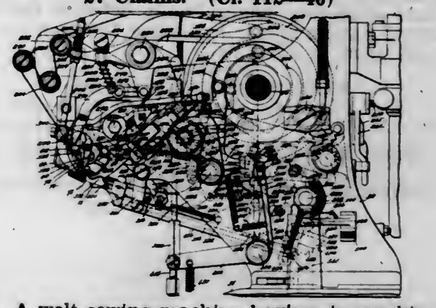
2,155,437
TUBE DRAWING METHOD
Theodore Moore, deceased, late of New Kensington, Pa., by Charles Miller Herr, administrator, New Kensington, Pa., and George E. Nighthart, New Kensington, Pa., assignors to Aluminum Company of America, a corporation of Pennsylvania
Application October 12, 1937, Serial No. 168,572
4 Claims. (Cl. 205—8)

1. The method of drawing tubing which includes positioning a loose mandrel inwardly from the end of a tube, swaging the tube end, inserting the swaged end in a drawing die having a flared entry surface, indenting the tube at a point inwardly from the end of the mandrel opposite the swaged end of the tube, gripping the end of the tube and pulling said tube through said die until a portion of the mandrel adapted to define the internal diameter of the tube is in cooperative



relationship with a portion of the die adapted to define the periphery of the tube, stopping the further entry of the mandrel into the die opening by contact of a limited area of an enlarged portion of said mandrel with the tube within the flared entry of the die, and continuing to draw the tube around the mandrel and through the die while relieving the vacuum formed between the gripped end of the tube and the mandrel by an aperture extending through said mandrel.

2,155,438
SHOE MACHINE
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 9, 1933, Serial No. 655,934
27 Claims. (Cl. 112—46)

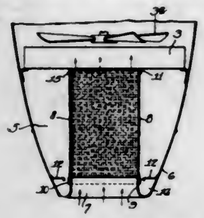


1. A welt sewing machine having, in combination, stitch forming devices, a reciprocatory welt slashing knife, means for guiding a welt controlled by the reciprocatory movement of the knife to bend the welt and bring the said bent portion into the path of the knife on the cutting stroke thereof, and mechanism for automatically starting and stopping the reciprocation of the knife to slash that portion of the welt only which registers with the toe of the shoe.

2,155,439
CONTROLLING MEANS FOR COOLING SYSTEMS OF INTERNAL COMBUSTION ENGINES
Willard L. Morrison, Lake Forest, Ill.
Application April 1, 1936, Serial No. 72,137
13 Claims. (Cl. 257—132)

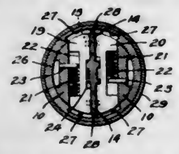
1. A controlling means for cooling systems of internal combustion engines on movable devices, comprising a radiator, a casing surrounding the radiator having an opening at the front thereof, and a conduit on the interior of the casing and

extensible longitudinally toward the radiator, the inner end thereof being in proximity to said radiator and being smaller in cross sectional area than



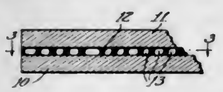
the cooling surface of the radiator, so as to limit the passage of the air through the radiator to a portion of such radiator.

2,155,440
LOCK
Phillip W. Olson, Grand Rapids, Mich., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application March 25, 1937, Serial No. 132,937
12 Claims. (Cl. 70—358)



1. A lock having segments together forming a keyway with tumbler slots at the sides, and a plate extending longitudinally between the segments having means to engage the segments to hold them in alignment.

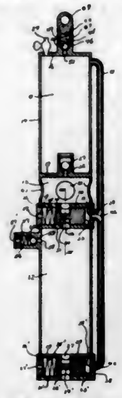
2,155,441
TOWEL
Bruce Osborne, Detroit, Mich., assignor to Norman H. Gerlach, as trustee
Application August 19, 1936, Serial No. 96,748
3 Claims. (Cl. 154—46)



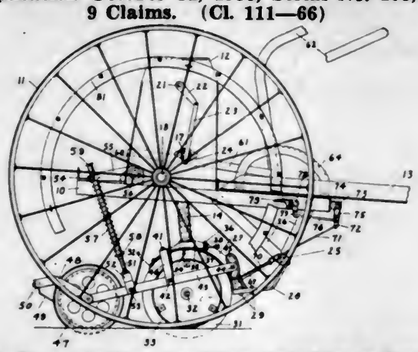
1. A towel comprising two sheets of bibulous paper tissue, and an integral perforate sheet or film of rubber deposited from latex therebetween connecting the sheets of paper tissue permanently together.

2,155,442
MEANS FOR SAMPLING A LIQUID
Douglas L. Parkhurst, Chevy Chase, Md., assignor to the Government of the United States, as represented by the Secretary of Commerce and his successors in office
Application September 24, 1938, Serial No. 231,577
18 Claims. (Cl. 137—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for taking a sample of liquid, such as sea water, at any desired depth, comprising a chamber having ports for the ingress and egress of liquid, valve means for controlling flow through said ports, means responsive to increasing pressure of the surrounding liquid for maintaining said ports open, and means effective on a decrease in pressure of the surrounding liquid for causing said valve means to close said ports.

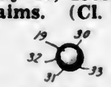


2,155,443
PLANTER
Orville J. Parks, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application October 31, 1936, Serial No. 108,552
9 Claims. (Cl. 111—66)



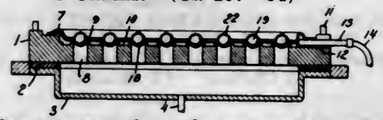
2. In a planting machine, including a frame, a planter unit pivotally supported by its frontal extremity from the frame for movement in a vertical plane, a coverer unit, a frame device supporting the coverer unit rearwardly of the planter unit, the said frame device being fulcrumed on the planter unit at the rear portion thereof and extended forwardly therefrom into slidable and pivotal engagement with the planter unit at its frontal portion and means for applying yielding downward pressure on the frame device rearwardly of its fulcrum point.

2,155,444
HEXYLRESORCINOL CAPSULE
Paul S. Pittenger and John W. Jester, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Application May 10, 1935, Serial No. 20,859
3 Claims. (Cl. 167—83)



1. Hexyl resorcinol capsules having the center of solid hexyl resorcinol coated with a thin layer of inert material such as starch and hermetically sealed in a continuous, tough, tenacious adhering layer of soluble elastic material of practically uniform thickness throughout, said layer of material being made up of two parts with the edges integrally united together.

2,155,445
MANUFACTURE OF HEXYLRESORCINOL CAPSULES
Paul S. Pittenger and John W. Jester, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
Original application May 10, 1935, Serial No. 20,859. Divided and this application August 20, 1935, Serial No. 37,095
8 Claims. (Cl. 107—54)



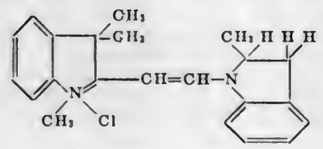
2. The process of producing coated pills of solid hexyl resorcinol which comprises preforming depressions in a sheet of soluble elastic coating material supported by a mold member and by the application of a vacuum thereto, inserting solid hexyl resorcinol pills in said depressions, applying another sheet of such material to enclose the pills, applying a vacuum between the two sheets to form depressions in the second sheet corresponding to and opposite to those formed in the first sheet, applying a mold member to mold the sheets together while the vacuum is still maintained, releasing the vacuum and subjecting the mold members to pressure to cut the two sheets of material to cause the edges of the cut portions to adhere together to form hermetically sealed coated pills.

2,155,446
PROCESS FOR THE PRODUCTION OF β-METHYLCHOLINE ETHERS AND SALTS THEREOF
Georg Roeder, Rahway, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 30, 1937, Serial No. 123,152
8 Claims. (Cl. 260—584)

1. A process for the production of salts of β-methylcholine ethers which comprises reacting 1-chloro-2-ethoxypropane with dimethylamine under the pressure generated by the reaction mixture at the operating temperature in a closed system, and converting the tertiary base into the quaternary ammonium salt by treatment with alkylating agents.

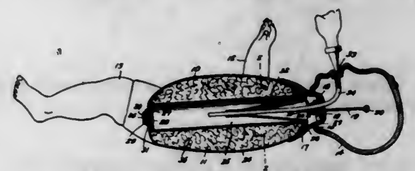
2,155,447
POLYMETHINE DYESTUFFS AND A PROCESS OF MAKING SAME
Nikolaus Roh, Ludwigshafen-on-the-Rhine, and Paul Wolff and Gustav Schäfer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 25, 1936, Serial No. 92,684. In Germany August 16, 1935
7 Claims. (Cl. 260—240)

5. The polymethine dyestuff corresponding to the formula



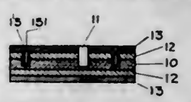
which is soluble in water, which forms in the dry state yellow crystals, and which dyes cotton mordanted with tannic acid clear yellow shades.

2,155,448
DOLL
Edward G. Schaeffer, Holyoke, Mass., assignor to American Character Doll Co. Inc., New York, N. Y., a corporation of New York
Application July 16, 1937, Serial No. 153,985
4 Claims. (Cl. 46—141)



1. In a doll, a head having a mouth opening, a stuffed body provided with an outer casing, a tubular member extending longitudinally thereof protruding from the upper end of the doll body and about which the upper portion of the casing is secured, an element sealed about the upper end of said tubular member having a restricted opening therein, a conduit extending from the mouth opening through said opening in said element for conveying liquid received through the mouth opening into said tubular member, said element preventing the counterflow of the liquid from said tubular member into the head of the doll, and a closure for the lower end of said tubular member about which the lower portion of said doll casing is secured, said closure having an outlet for permitting the escape of the liquid received in said tubular member.

2,155,449
SELF-LUMINOUS ARTICLE
Ellsworth F. Seaman, Washington, D. C.
Application October 24, 1938, Serial No. 236,715
8 Claims. (Cl. 250—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

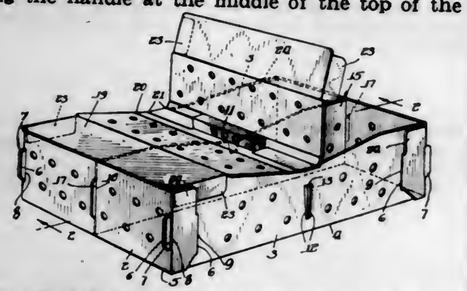


1. A self-luminous article, comprising a transparent medium, opaque reflecting material enclosing the surface of said transparent medium, self-luminous material extending into apertures within said transparent medium, and indicia engraved into said transparent medium and extending through the opaque covering thereof.

2,155,450
CHICK BOX
Louis A. Shoemaker, Carleton, Mich.
Application October 5, 1936, Serial No. 103,979
19 Claims. (Cl. 229—6)

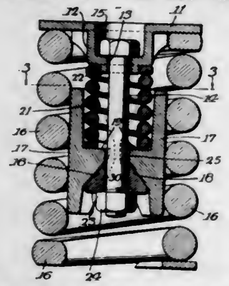
1. A chick box comprising a body and two upwardly opening integrally connected top covers therefor, and a handle section formed from a single blank separate from the covers and disposed between the two covers and having downwardly converging flat walls extending to the bottom of the box and forming a transverse hollow partition for the interior of the box, with the

integral hollow upper end of said partition forming the handle at the middle of the top of the



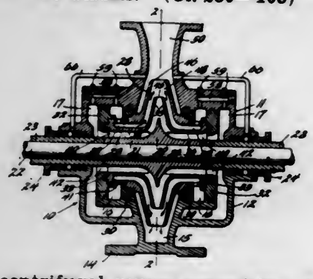
box, which handle is open at each end and serves as a ventilator.

2,155,451
BOLSTER SPRING UNIT
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application October 16, 1936, Serial No. 105,859
9 Claims. (Cl. 267—9)



1. In a spring unit, an outer spring, friction shoes frictionally engaging said spring, said shoes having wedging surfaces, a wedge member engaging said surfaces, a cap engaging the upper end of said spring, and a second spring engaging said shoes and cap for causing said shoes to frictionally engage said outer spring when said unit is compressed.

2,155,452
PUMP
Frank E. Stelzer, Lynbrook, N. Y.
Application November 5, 1935, Serial No. 48,411
10 Claims. (Cl. 230—108)



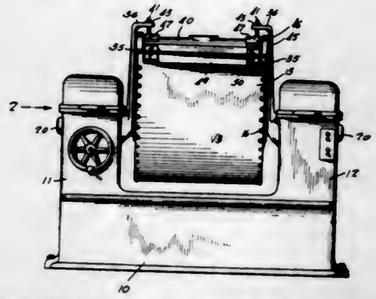
1. A centrifugal pump comprising, in combination, a casing enclosing an annular volute impeller chamber having a discharge opening at its periphery, a plurality of annular intake chambers spaced axially from said impeller chamber and from each other by bearing ring seats, a rotary impeller having radially extending vanes and shrouds disposed within said impeller chamber, said impeller being extended axially to form a tubular portion directed toward said intake chambers, bearing ring seats formed upon said impeller, and bearing rings between corresponding seats on the casing and the impeller, a partition dividing the radially extending portion of the impeller into two compartments and extended axially to correspondingly divide said tubular portion into annular conduits communicating respectively with the several intake chambers between the bearing rings.

2,155,453
PROCESS OF PREPARING FRUIT PRODUCTS
Chauncey R. Stuntz, Seattle, Wash.
Application November 23, 1936, Serial No. 112,244
13 Claims. (Cl. 99—204)



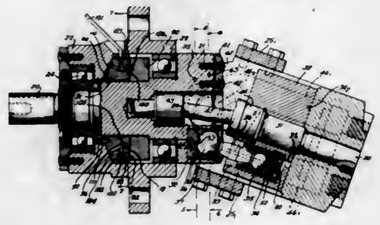
6. A process of dehydrating a fruit pulp which, upon heating, tends to become gelatinous, thereby hindering escape of moisture, which process comprises the steps of spreading the pulp upon a surface in a layer which is of such thickness that it will initially permit ready escape of moisture from the bottom through the top, but after initial heating from below will become gelatinized in its lower portion more greatly than in its upper portion, heating the surface and the pulp thereon to remove moisture from such lower portion, thereafter heating the upper portion of the layer to remove moisture therefrom, meanwhile maintaining the drying temperature in the lower portion, to prevent impregnation of the dried lower portion by moisture from the upper portion.

2,155,454
DOUGH MIXING APPARATUS
Robert M. Temple, Philadelphia, Pa.
Application July 9, 1936, Serial No. 89,731
9 Claims. (Cl. 220—41)



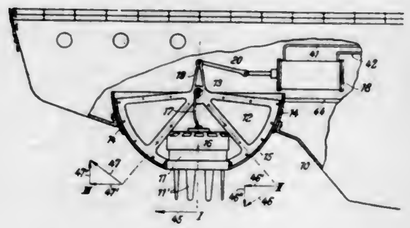
1. Mixing apparatus of the character described comprising supporting structure, a mixing chamber tiltably carried by said supporting structure and having an open top, a canopy cover also carried by the supporting structure and positioned above said open top, said cover being movably supported by the supporting structure and movably incident to tilting movement of the mixing chamber, and cam means including a part engaging one edge of the said cover for upraising said edge incident to tilting movement of the mixing chamber.

2,155,455
HYDRAULIC MOTOR AND PUMP
Hans Thoma, Karlsruhe, Germany
Application April 20, 1935, Serial No. 17,409
In Germany November 24, 1932
19 Claims. (Cl. 103—162)



1. A hydraulic displacement device adapted to pump or to be operated by a fluid comprising in combination a rotatable shaft serving to operate a disc having a plurality of seats, a cylinder block formed with a like plurality of cylinder bores and having its axis at an angle to said disc, pistons within said cylinder bores, a piston rod for each of said pistons articulated at one end to its piston and at its other end to said disc in the seats thereof and means for conducting lubricating fluid from a cylinder which at the moment is under high pressure to the articulations of the piston rod of a cylinder which at the moment is under lower pressure comprising an annular passage within said disc and to which are connected passages leading through each of said piston rods and said pistons and communicating with said articulations, a thrust bearing for said shaft comprising engaging surfaces, and means for lubricating said surfaces comprising a passage connecting with said annular passage.

2,155,456
STABILIZING DEVICE FOR SHIPS
Carl von den Steinen, Bergedorf, near Hamburg, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application January 18, 1938, Serial No. 185,579
In Germany January 18, 1937
2 Claims. (Cl. 115—52)



1. The combination with a ship's body; of a propeller having a plurality of blades arranged parallel with the axis of rotation of the propeller; means for mounting said propeller on said body for movement about a tilting axis normal to the axis of rotation of the propeller and substantially normal to the longitudinal axis of the ship; and means responsive to longitudinal inclinations of the ship with respect to the horizontal for inclining the axis of rotation about said tilting axis, whereby the propeller is caused to exert a force on the ship counteracting the longitudinal inclinations of the ship.

2,155,457
COMPOSITION GASKET
William M. West, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Original application May 22, 1935, Serial No. 22,891, now Patent No. 2,087,942, dated July 27, 1937. Divided and this application January 7, 1937, Serial No. 119,529
3 Claims. (Cl. 288—1)



1. A gasket comprising a body material of fibers, and polymerized chlorobutadiene and bodied tung oil in amount to constitute a binder.

2,155,458
METHOD OF AND APPARATUS FOR PRINTING
William J. Wilkinson, Eastchester, N. Y., assignor of one-half to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 13, 1935, Serial No. 36,019
17 Claims. (Cl. 95—5.7)

1. In the method of making a hemi-tone positive-transparency for use in the preparation of an intaglio printing-plate, the steps of spacing a screen in front of a light-sensitive photographic-plate at such a distance therefrom and exposing said plate through said screen to light controlled by a continuous-tone negative of the original subject to be reproduced for such a period of time, said space and exposure both being sufficiently less than would produce an ordinary half-tone positive-transparency with the other conditions the same, that the exposed plate, when developed, will represent the solids, if any, of the subject at substantially one-half tone value by relatively-large practically-unconnected dots and will represent all lesser tones of the subject by dots of corresponding lesser areas, and developing said exposed plate to produce a positive-transparency having said characteristics, all said dots being of substantially the same density.

2,155,459
POLYMETHINE DYESTUFFS AND A PROCESS OF MAKING SAME
Carl Winter and Nikolaus Roh, Ludwigshafen-on-the-Rhine, and Paul Wolff and Gustav Schaefer, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 31, 1936, Serial No. 93,572. In Germany August 16, 1935
12 Claims. (Cl. 260—240)

1. Dyestuffs of the polymethine series corresponding to the general formula

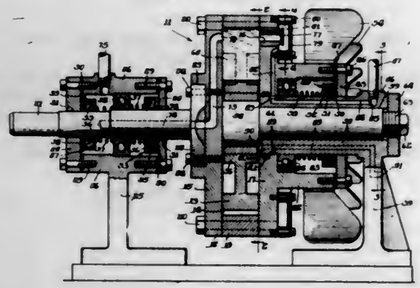
B—CH=CH—NH—Ar—NH—CH=CH—B

wherein Ar stands for an aromatic radicle, and wherein B stands for the radicle of a 1.3.3-trimethyl indoline which is attached to the methine group in alpha-position to the heterocyclic nitrogen atom.

2,155,460
COMPRESSOR
William W. Wishart, Chicago, Ill.
Application August 17, 1935, Serial No. 36,631
9 Claims. (Cl. 230—140)

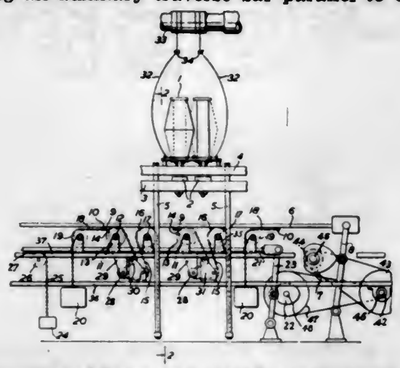
1. A compressor comprising a pair of spaced

apart end plates and an intermediate annular ring clampingly secured together to form a cylindrical working space, a shaft connected to one of said end plates and extending axially of said cylinder, said one end plate having a radial duct therein communicating with said working space adjacent the peripheral portions thereof and forming an inlet for a work medium to said work space, said other end plate having an opening, a sleeve in said opening, bearing means for said other end plate on said sleeve, said other end plate having an integral annular wall embracing said sleeve and defining an annular chamber therewith, a cover plate on said wall for closing said chamber, a seal on said sleeve and operably associated with said cover plate for preventing leakage through said cover plate along the outer surfaces of said sleeve, said other end plate having a fluid outlet opening, an annular channeled element secured to the outer surfaces of said other end plate and forming therewith a receiving chamber for a work medium expelled through said outlet opening, a valve for said outlet opening on said other end plate within said receiving chamber whereby to expose said valve for inspection, repair or replacement upon removal of said annular element from said other end plate, said sleeve having interconnected duct portions therein comprising an outlet passage and including a duct portion opening on the sleeve outwardly of said cover plate and seal, and another duct portion opening laterally on the sleeve inwardly of said cover plate and seal, and means forming a connecting conduit interconnecting said receiving chamber with said duct portion which opens laterally of the sleeve and inwardly of said cover plate and seal.

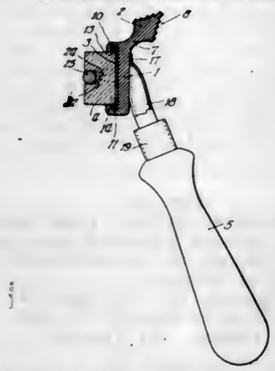


2,155,461
WINDING OF YARNS
Charles Wesley Addy and Reginald Henry John Riley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 28, 1936, Serial No. 92,966
In Great Britain August 31, 1935
2 Claims. (Cl. 242—43.3)

1. Apparatus for winding cops and like packages, comprising means for rotating a package support, a traverse member movable lengthwise of the support, a flexible member connected to the traverse member, means including a traverse bar for alternately pulling and releasing the flexible connection so as to move the traverse member over a length less than the length of the support, and further means operating at a different frequency to increase and decrease alternately the effective length of the flexible connection so as to extend the field of action of the traverse member first towards one end of the support and then towards the other, said further means comprising an auxiliary traverse bar parallel to the first mentioned traverse bar and operatively connected thereto by means of said flexible member.



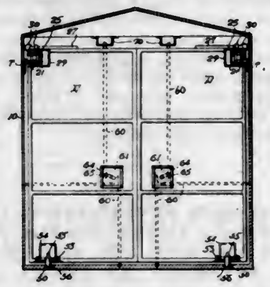
2,155,462
WINDSHIELD CLEANER
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application September 28, 1935, Serial No. 42,652
4 Claims. (Cl. 15—118)



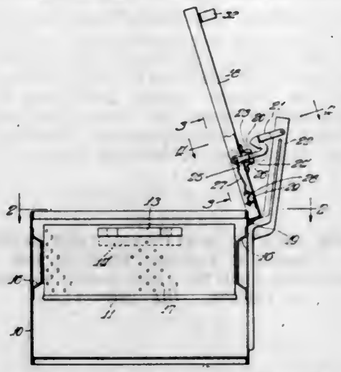
1. A cleaning device comprising a substantially flat base member of resilient compressible material, said base member having an elongated recess formed in one of its face portions, a stiffening plate positioned in said recess, said base member having inwardly extending portions adapted to overlie and cover the edges of said plate for securing the plate in said recess, and a moisture retaining pad secured to said plate and extending outwardly from said recess beyond the adjacent face of said base member.

2,155,463
FREIGHT CAR
Baron M. Angell, Indianapolis, Ind.
Application May 13, 1937, Serial No. 142,349
10 Claims. (Cl. 105—376)

1. In a freight vehicle, a trolley track arranged longitudinally of the body of the vehicle adjacent an upper corner, a trolley carriage slidably mounted in said track, a bulkhead pivotally supported at its upper outer corner on a vertical axis on said carriage, pivot-forming anchoring means carried by the lower outer corner of said bulkhead and shiftable into and out of vertical alignment with said pivotal support of the upper corner of the bulkhead and into and out of pivotal engagement with the floor of the body, and bolting means carried by the bulkhead and shiftable into engagement with adjacent portions of the vehicle body to lock the same against swinging.



2,155,464
WASH TANK
Rudolph J. Anschicks, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application December 18, 1937, Serial No. 180,599
3 Claims. (Cl. 220—89)

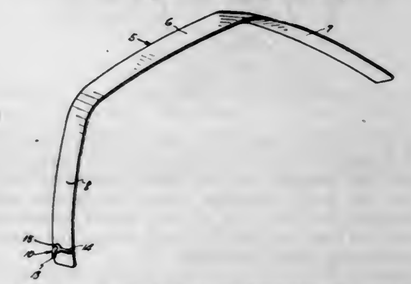


1. A wash tank of the kind described having a hinged cover arranged to close by gravity, a latch member tiltably mounted on the cover, a fusible element mounted on the inside of the cover operatively related to said latch member to prevent tilting thereof, a latch member mounted on the tank adapted to operatively engage said cover latch member and hold the cover open, said element when fused permitting said cover latch member to move by gravity to disengage the tank latch member and the cover thereby to be closed by gravity.

2,155,465
FLUORESCENT SCREEN FOR CATHODE RAY TUBES
Rudolf Behne, Berlin-Lichterfelde, and Heinrich Hinderer, Berlin-Zehlendorf, Germany, assignors to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
No Drawing. Application January 21, 1938, Serial No. 186,252. In Germany January 12, 1937
2 Claims. (Cl. 250—164)

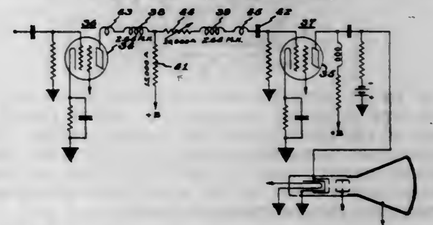
1. A fluorescent screen for cathode ray apparatus or the like comprising a deposition of a mixture of zinc silicate and cadmium silicate and a coating of an alkaline earth metal thereover.

2,155,466
TOOL FOR APPLYING EMERGENCY CHAINS TO AUTOMOBILE TIRES
John C. Bishop, Savannah, N. Y.
Application June 14, 1937, Serial No. 148,002
1 Claim. (Cl. 81—15.8)



In a tool for applying emergency tire chains of the type comprising dual chains and a fastening strap therefor, an elongated bowed strip, a strap engaging hook journaled adjacent one end of the strip, and a strap engaging clasp finger journaled on the hook.

2,155,467
HIGH FREQUENCY AMPLIFIER
Rene A. Braden, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 19, 1935, Serial No. 50,520
7 Claims. (Cl. 179—171)

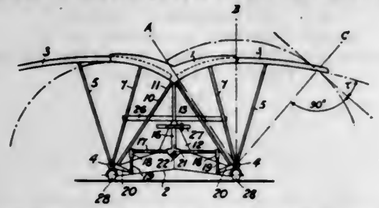


2. An amplifier comprising an electric discharge tube having a plate electrode, a second succeeding electric discharge tube, means for coupling said plate electrode to said succeeding electric discharge tube, said coupling means including a first inductance coil and a second inductance coil connected in series between said plate electrode and said succeeding tube, there being substantially no inductive coupling between said coils, said coils having such values of inductance that they resonate with the capacity of said tubes at the high frequency end of the operating range of the amplifier, and a plate resistor connected between a source of plate voltage and a point between said two coils.

2,155,468
FLAPPING WING SYSTEM
Friedrich Budig, Marlow, England
Application August 22, 1936, Serial No. 97,465
In Germany August 24, 1935
4 Claims. (Cl. 244—22)

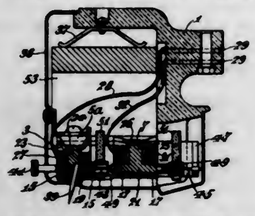
1. A flapping wing system using the effect of oblique attack for producing propulsion for water

vehicles or propulsion and lifting force for aircraft, comprising at least one pair of curved wings or blades, a mechanism for imparting oscillating movement to each such wing or blade about an axis radially spaced from such wing or blade and extending substantially in the direc-



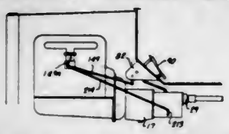
tion of drive, said wing or blade being curved in such a manner that the angle of the curvature between the tangent to the circle produced by a point of the wing or blade when oscillating and the tangent to the curve at said point increases towards the free end and at least along the outer portion of said wing or blade.

2,155,469
SIGNAL TRANSLATING APPARATUS
Alexander D. Burt, Narberth, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1936, Serial No. 82,602
17 Claims. (Cl. 179—100.41)



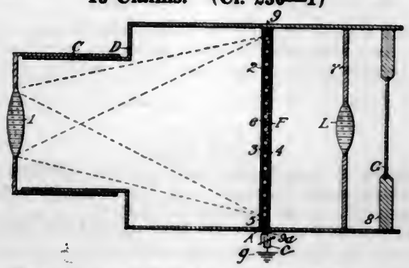
7. In an electric signal translating device of the type adapted to cooperate with a record, a pair of vibratory armatures spaced axially from each other along a common vibratory axis, compliant means coupling said armatures to each other, and means carried by at least one of said armatures for scanning the record.

2,155,470
COMBINED CLUTCH AND TRANSMISSION CONTROL
Eugene S. Bush, St. Louis, Mo., assignor to Bush Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Original application July 9, 1934, Serial No. 734,328. Divided and this application March 10, 1937, Serial No. 130,033
15 Claims. (Cl. 192—.01)



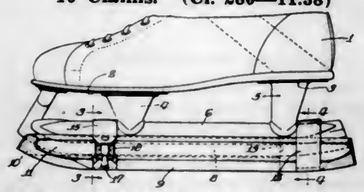
1. In an engine, transmission and clutch assembly, a combined gear-ratio controlling and clutch-actuating member, a shifting element therefor, electromagnets arranged in spaced relation, a plunger operable by said magnets, a connection between the plunger and said shifting element, a control shaft, shaft-operating means comprising a pivoted rack member engaging a pinion on said control shaft, a magnet control switch assembly of rotary type, operated by said control shaft, and a plurality of magnet energizing circuits controlled by said switch assembly, arranged for effecting a sequential energization of the magnets, upon actuation of said rack member in one direction, whereby to effect gear-ratio control, as well as shifting and clutching movements of the first said element.

2,155,471
FOG AND MIST PENETRATING DEVICE
Aloysius J. Cawley, Pittston, Pa.
Application March 19, 1931, Serial No. 523,791
13 Claims. (Cl. 250—1)



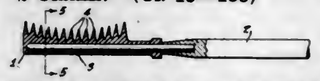
1. The process of forming images which consists in refracting electromagnetic waves to form an invisible image, converting said waves of said images into corresponding electric currents, constituting an electric image producing a corresponding visible image by converting said electric image into corresponding directly visible luminous discharges of varying degree of intensity.

2,155,472
ICE SKATE WALKING APPLIANCE
Charles C. Colbert, Elkhart, Ind.
Application April 28, 1938, Serial No. 204,785
10 Claims. (Cl. 280—11.38)



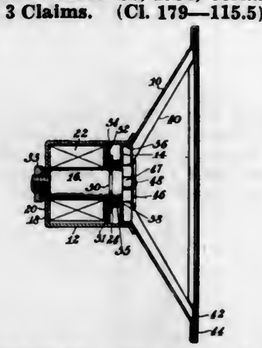
1. An ice skate walking appliance comprising a ground treading support adapted to hold an ice skate erect thereon, said support having a longitudinal groove to receive the skate blade and having in its rear portion a recess open at the top and communicating with said groove, means for holding the rear portion of said support to the rear portion of the skate frame comprising a keeper secured across the top of said recessed rear portion of the support and engageable over the rear portion of the skate frame by backing the latter thereunder while holding the skate applied to the support in an inclined position with the toe of the skate elevated from said support, said keeper being tensioned by upward thrust of the rear portion of the skate frame thereagainst when the skate is brought to normal rest position on the support, and additional attaching means cooperating with said keeper to secure the support in operative relation to the skate.

2,155,473
DENTAL BRUSH
Daniel R. Coleman, Roselle Park, N. J.
Application September 26, 1936, Serial No. 102,719
2 Claims. (Cl. 15—188)



1. A dental brush comprising a handle having a tang, in combination with a hollow resilient and flexible stock having a cavity extending longitudinally thereinto from one end thereof to a point adjacent the opposite end of the stock, with longitudinally adjacent rows of juxtaposed wedge shaped teeth integral with one side of the stock, the cavity in said stock being normally of lesser length than the length of the tang and of lesser cross sectional area than the tang and the stock being drawn upon the tang and held in place thereon with the stock in longitudinally stretched condition and with all parts of the interior wall surface of the cavity in contact with the tang, to place the stock and the base portions of the individual teeth under tension in a direction longitudinally of the brush to maintain said teeth in stable equilibrium.

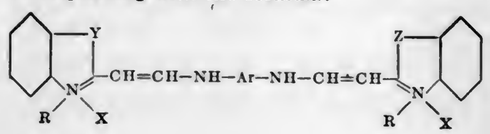
2,155,474
LOUDSPEAKER
Frederick L. Creager, Camden, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 30, 1934, Serial No. 755,408
3 Claims. (Cl. 179—115.5)



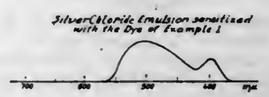
1. A loudspeaker comprising a yoke part formed from a single sheet of ferrous material, a cone-housing part and a yoke-plate part formed integrally from a single sheet of ferrous material, said yoke-plate part frictionally fitting within said yoke part adjacent the juncture thereof with said cone-housing part, said friction fit constituting the sole means of uniting said yoke-plate part with said yoke part.

2,155,475
SENSITIZING SILVER HALIDE EMULSIONS
Walter Dieterle, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application October 20, 1936, Serial No. 106,575
In Germany July 23, 1936
4 Claims. (Cl. 95—7)

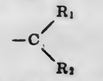
1. A silver halide emulsion comprising a dye corresponding with the formula:



in which Y and Z stand for a member selected from

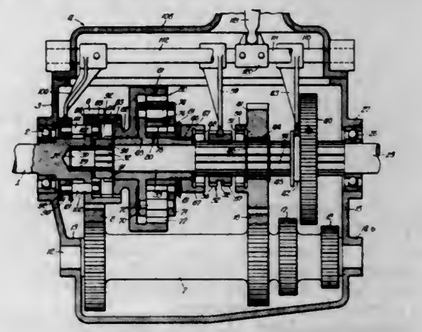


the group consisting of S, Se, —CH=CH—, and



wherein R_1 and R_2 stand for alkyl groups, R stands for alkyl, Ar stands for an aromatic radical which contains at least one benzene nucleus but no more than two benzene nuclei, X stands for an anion capable of precipitating the dye.

2,155,476
TRANSMISSION
Delmar D. Dooley, Rock Island, Ill., assignor of one-fourth to Clarence H. Dooley, Rock Island, Ill., one-fourth to H. Keith Dooley, Los Angeles, Calif., and one-fourth to Herbert C. Snow, Auburn, Ind.
Application August 3, 1936, Serial No. 93,938
26 Claims. (Cl. 74—328)



1. In a transmission, the combination of a driving part, a driven part, an epicyclic gear unit adapted to connect said parts and including a pair of relatively rotatable members, one connected to rotate with the driving part, clutch means movable in one direction from a disengaged position to connect the other member with said driven part, and clutch mechanism separate from said clutch means and movable relative thereto in the other direction for directly connecting said parts together.

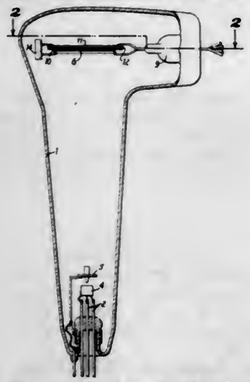
2,155,477
PROCESS FOR THE MANUFACTURE OF SALTS BY BASE EXCHANGE BY MEANS OF ZEOLITE
Maxence Drujon, Aix-en-Provence, France
No Drawing. Application April 26, 1937, Serial No. 138,999. In France May 8, 1936
1 Claim. (Cl. 23—64)

Process for the simultaneous manufacture of alkaline metal salts and magnesium salts which consists in dissolving calcined magnesium oxide in water charged with carbonic acid gas under pressure, passing the solution while maintaining said pressure over alkaline zeolite, and regenerating the zeolite to recover the magnesium salts.

2,155,478
MEANS FOR PRODUCING INCANDESCENT IMAGES

Philo T. Farnsworth, San Francisco, Calif., and Harry S. Bamford, Philadelphia, Pa., assignors, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Application May 7, 1935, Serial No. 20,159
3 Claims. (Cl. 250—164)

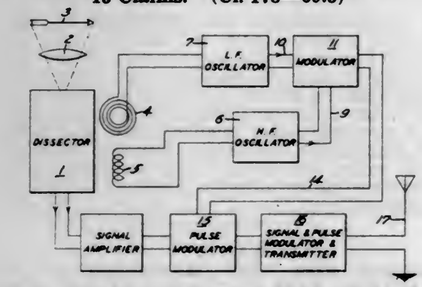


1. Means for producing a visual image comprising an envelope containing means for producing a cathode ray beam, an open mesh fabric screen, means for directing said beam over successive elemental areas of said screen to produce an incandescent image thereon by the impact of electrons intercepted thereby, and transparent means for returning beam electrons to said screen that pass therethrough, said transparent means being positioned between said screen and an observer viewing said screen.

2,155,479
MEANS AND METHOD FOR TRANSMITTING SYNCHRONIZING PULSES IN TELEVISION

Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware

Application July 11, 1936, Serial No. 90,173
13 Claims. (Cl. 178—69.5)



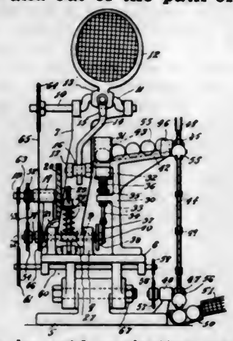
7. In television, the method of synchronizing which comprises the steps of generating a series of unidirectional synchronizing pulses, and reducing the amplitude of a group of said pulses at regular intervals.

2,155,480
TENNIS PLAYING MACHINE

Jeremiah J. Fazioli, Hartford, Conn.

Application July 12, 1935, Serial No. 31,085
20 Claims. (Cl. 273—29)

20. In an automatic tennis playing machine, the combination of a frame, ball projecting means carried by said frame, ball elevating means mounted on said frame and cooperating with said ball projecting means to successively elevate and deliver balls to the latter, means carried by said frame for delivering balls to said elevating means, ball striking means pivotally mounted on said frame above said projecting means and movable into and out of the path of balls projected

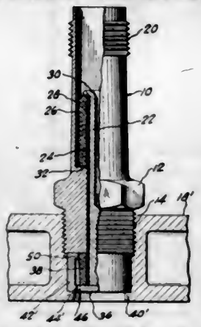


vertically by said projecting means, means for oscillating said ball striking means on a horizontal axis to strike and propel such projected balls, means for elevating and lowering said ball striking means while it is being moved on its said horizontal axis, and means for oscillating said ball striking means on its longitudinal axis while it is being elevated and lowered and swung toward and away from the path of said projected balls.

2,155,481
SPARK PLUG

Edward Howell Fenn, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 1, 1938, Serial No. 199,477
10 Claims. (Cl. 123—169)



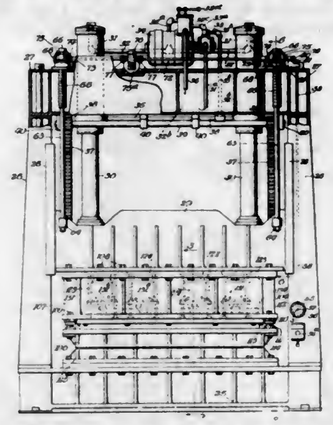
1. In a spark plug adapted to be inserted in an engine cylinder head, a unitary center portion including a center electrode, and a separate ground electrode adapted to be associated with said center portion by said cylinder head.

2,155,482
DIE FITTING MACHINE

Rudolph William Glasner and Einar K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner

Application March 5, 1937, Serial No. 129,286
14 Claims. (Cl. 76—4)

1. A die fitting machine embodying a frame, a stationary die mounted upon the frame, a movable die, means for moving and means for limiting movement of the movable die toward the stationary die, the last said means embodying a plurality of sets of units, the units of one of said sets embodying two elements one of which is vertically adjustable with respect to the other, the units of the other of said sets constituting an abutment for the respective said adjustable ele-

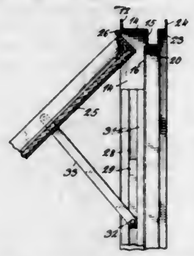


ments, one of said sets of units being mounted upon the frame with the said stationary die, and the other of said sets of units being mounted upon the movable die support for movement therewith, and means for simultaneously adjusting the said adjustable elements at will, the last recited means being mounted upon the same part of the machine upon which the units containing the said adjustable elements are mounted.

2,155,483
CASEMENT WINDOW

Harry H. Goldberg, Denver, Colo.

Application December 17, 1937, Serial No. 180,417
2 Claims. (Cl. 189—75)

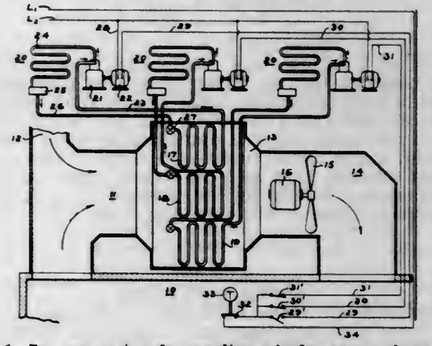


1. A window frame constructed from sheet metal, comprising a Z-bar having flanges of unequal width connected by a web, the wider flange having the material along its free edge formed into a groove for the reception of a weatherstrip, and a second bar integrally connected with the outer edge of the flange having the groove, the second bar having two angularly related sides, one paralleling the bottom and the other the side walls of the weatherstrip groove, one of said sides being perpendicular to and the other parallel with the flanges of the Z-bar, the last mentioned side of the second bar terminating in a narrow wall extending outwardly at an angle of substantially 90 degrees, the outer end of the wall terminating in a flange substantially parallel with the flanges of the Z-bar, whereby a rabbet is formed for the reception of a screen frame.

2,155,484
AIR CONDITIONING APPARATUS

Jacob Gottlieb, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 12, 1935, Serial No. 1,475
4 Claims. (Cl. 62—6)

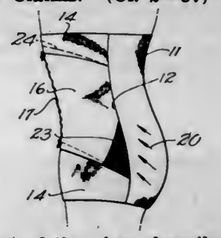


1. In apparatus for cooling air for an enclosure, the combination of a plurality of evaporators, a refrigerating unit for each evaporator for supplying refrigerant thereto, means for conveying air over said evaporators in parallel and delivering the same to said enclosure, said means including a fan common to the several evaporators, manually actuated means for individually rendering each refrigerating unit and its evaporator operable or inoperable at will, and means responsive to a condition of the air in the enclosure for starting and stopping operation of all the operable refrigerating units and evaporators simultaneously.

2,155,485
CORSET

Mary S. Graves, Santa Barbara, Calif.

Application February 23, 1937, Serial No. 127,133
3 Claims. (Cl. 2—37)

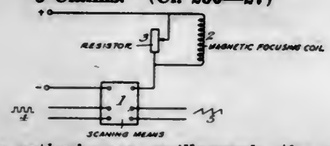


1. In a corset of the class described, the combination of: a fabric back and elastic front attached at its side edges to the side edges of said back adapted to surround the body from a place below the bust to the upper thighs, said back surrounding the buttocks; and fabric flaps secured to said back and adapted to be secured together at the front, said flaps being of less height than said back or said elastic front, and extending upwardly from their points of attachment to said back to the point where they are secured together, and an elastic insert in the lower part of at least one of said flaps where it joins said back.

2,155,486
STARTING CIRCUIT FOR CATHODE RAY TUBES

Johannes Günther, Zehlendorf, near Berlin, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany

Application April 2, 1936, Serial No. 72,408
In Germany April 9, 1935
3 Claims. (Cl. 250—27)

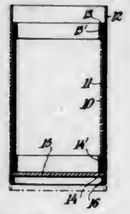


3. In a cathode ray oscillograph, the method of beam production which comprises directing a modulated unfocused beam of electrons upon a screen, energizing deflecting coils through a magnetic focusing solenoid connected in series therewith, and so proportioning the fields of said coils and solenoid that said unfocused beam may be concentrated only by the passage of a desired current through said deflecting coils.

2,155,487
PAPER CAN BODY

Alexander G. Hatch, Rochester, N. Y., assignor to Fibre Can Development Corporation, Rutland, Vt., a corporation of Vermont

Application November 7, 1936, Serial No. 109,625
9 Claims. (Cl. 229—5.5)

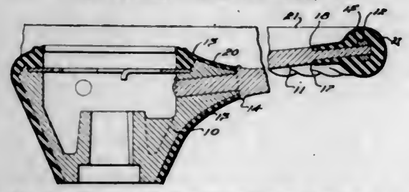


1. A tubular paper can body comprising a single blank of paper stock formed into an inner shell and an outer shell, with the inner shell in juxtaposition to the outer shell and secured thereto, said inner shell having at least one of its ends inwardly spaced from the adjacent end of the outer shell to provide a shoulder within said outer shell and said shoulder being provided, at least in part, by an outwardly folded back marginal portion of the blank from which the inner shell is formed.

2,155,488
RUBBER STEERING WHEEL

George S. Hendrie, Grosse Pointe Farms, Mich., assignor to Detroit Macoid Corporation, Detroit, Mich., a corporation of Michigan

Application June 14, 1937, Serial No. 148,033
5 Claims. (Cl. 74—552)

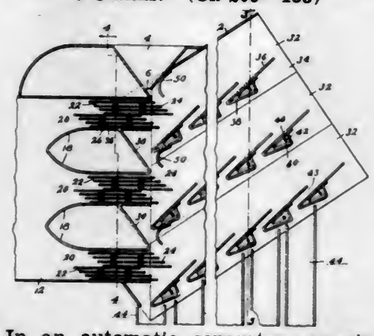


1. A steering wheel comprising a hub, a rim, radial spokes joining the rim and hub, said rim comprising a core having a covering of yieldable or resilient material, and a flexible cellulosic coating encasing said covering material and having edge portions thereof anchored in grooves at the localities of the spokes.

2,155,489
AUTOMATIC SEPARATOR

Charles W. Herrin, Kansas City, Mo.

Application June 15, 1936, Serial No. 85,344
7 Claims. (Cl. 209—135)

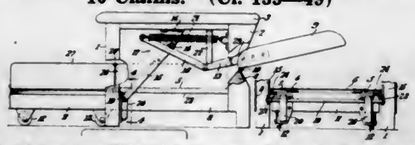


1. In an automatic separator, an air duct, means above the discharge end of said air duct for feeding a falling stream of material to be separated, superimposed segregators communicating with the discharge end of the air duct and adapted to receive and separate the material, main partitions spaced one above another in the discharge end of the air duct and having rear walls sloping downward towards the receiving ends of the respective segregators for directing the material into the latter, supplemental partitions interposed between the main partitions and the upper and lower walls of the air duct spaced apart to leave intervening air passages paralleling said air duct, other supplemental partitions located between the main partitions and spaced apart to leave intervening air passages paralleling the air duct, all of the foregoing supplemental partitions comprising parallel plates arranged in step formation to coact with the sloping rear walls of the main partitions in directing the material into the segregators, and means for forcing an air blast through the air duct and the segregators to coact with the latter in separating the material.

2,155,490
CONVERTIBLE CHAIR BED

Charles Hoehl, Brooklyn, N. Y.

Application April 12, 1938, Serial No. 201,476
10 Claims. (Cl. 155—49)

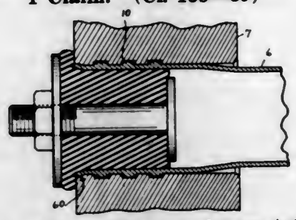


1. A convertible chair comprising a chair frame, a chair seat, a hinged back adapted to swing downwardly and rearwardly from normal upright position, a bed extension frame normally under the chair seat, means connecting the chair back to the bed extension frame to project the bed extension frame forwardly beyond the chair seat by the downward swinging movement of the chair back, and spring means connected to the chair frame and to the said means for projecting the bed extension frame forward, said spring means serving to hold the back and the bed extension frame in their normal chair-forming positions, and also serving to hold the back and the bed extension frame extended in their bed-forming positions.

2,155,491
CONDENSER TUBE SEAL

Frank C. Jacobs, New Kensington, Pa.

Application August 7, 1937, Serial No. 157,848
1 Claim. (Cl. 138—89)

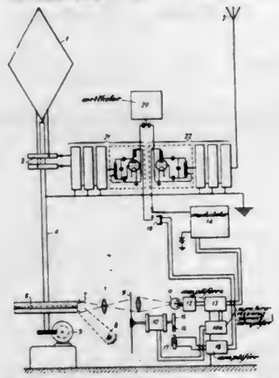


In combination with a condenser tube having an end secured in an opening in a tube-sheet, a sealing device including a cylindrical body of rubber of relatively great elasticity extending into the bore of said tube and a rubber flange extending outward at the mouth of the tube radially beyond the seam between the outer surface of the tube and the tube-sheet, a member of relatively inelastic material arranged at each of the opposite ends of the flanged cylinder of rubber, such two members being of unequal diameters and severally commensurate with the diameters of the ends of the cylinder against which they are positioned, a screw-threaded shank extending through said rubber cylinder and flange and the larger of said members, and a nut screwed tight on said shank, with said cylindrical body of rubber radially expanded in secure engagement with the internal wall of the tube and said flange compressed axially of the assembly against both the peripheral edge of the tube and the outer wall of the tube-sheet adjacent thereto.

2,155,492
RADIO DIRECTION FINDER

Roland John Kemp and Donald Leopold Plaistowe, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware

Application March 27, 1936, Serial No. 71,282
In Great Britain March 27, 1935
5 Claims. (Cl. 250—11)



1. A navigation aiding directional radio system comprising, at a transmitting station, means for directionally transmitting indicating signals, means for changing the direction of the null-point of such transmission in a predetermined manner, means for omni-directionally and continuously transmitting upon the same wave length as said indicating signals signals corresponding to television pictures indicative of the instantaneous directivity of said null-point in the directional transmission; and, at a receiving station, means for continuously receiving the transmitted television picture signals, means for reproducing images in response to the reception of said picture signals, means including a light source for at times flood lighting and concealing the reproduced images, and means operative when released by the arrival at said receiving station of the null-point of the directional diagram of said directionally transmitted signals for extinguishing said light source, thereby to disclose the then transmitted television picture.

2,155,493
MONOAZO DYESTUFFS

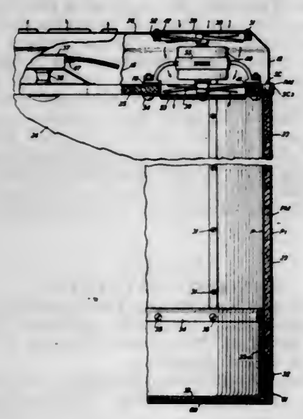
Arthur Howard Knight and Frank Lodge, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 12, 1936, Serial No. 110,458. In Great Britain November 21, 1935
7 Claims. (Cl. 260—163)

1. A compound represented by the formula

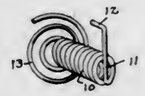
$$\begin{array}{l} \text{ROOC—Ar—N=N—X} \\ \quad\quad\quad\

2,155,495
TELEPHONE BOOTH
Frank A. Kuntz, Woodhaven, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 12, 1936, Serial No. 100,430
4 Claims. (Cl. 189—2)



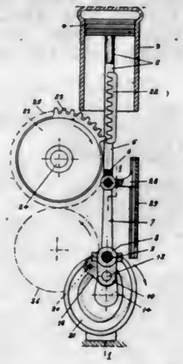
1. A telephone booth having a plurality of walls, a door, a ceiling and a roof supported by said walls, said roof and said ceiling having each an opening forming an air path leading to the interior of the booth, a fan wheel in each opening these fan wheels cooperating with each other to generate a current of air toward the interior of the booth, a motor for actuating said fan wheels, the blades of said fan wheels forming a complete circumference and the blades of one of said fan wheels being disposed at an angle relative to the blades of the other of said fan wheels for preventing visibility through the openings in said ceiling and said roof.

2,155,496
ATTACHING BUTTON
Fred O. Lane, Indianapolis, Ind., assignor to Gates Manufacturing Company, Indianapolis, Ind.
Application October 23, 1937, Serial No. 170,567
1 Claim. (Cl. 24—255)



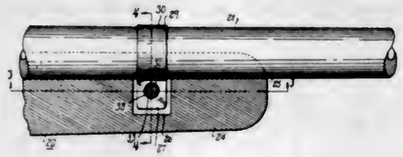
An attaching button comprising a single piece of spring wire coiled in a central hollow neck yieldingly extensible, the end of the wire at one end of the neck leaving tangentially therefrom and thence being outwardly helically coiled in a common plane to extend normally around that end as a flat head, and the other end of the wire at the opposite neck end being bent diametrically across that neck end normally of the neck axis to terminate at an appreciable distance beyond the side of the neck, and the other free end of said diametrically bent end being bent toward said head in the nature of a hook.

2,155,497
TRANSFORMING ALTERNATING RECTILINEAR MOVEMENT INTO CONTINUOUS ROTARY MOVEMENT
Adrien Latil, Marseille, France
Application April 4, 1938, Serial No. 199,939
In Germany April 10, 1937
2 Claims. (Cl. 74—30)



1. Device for transforming alternating rectilinear movement of a piston into continuous rotary motion comprising a piston, two rods connected to said piston, a cross bar connecting the free ends of said rods, a rack carried by said rods, a main shaft, a toothed sector mounted on said main shaft for intermittent engagement with said rack, a connecting rod at one end connected to said cross bar, means guiding said connecting rod, an auxiliary shaft, a crank on said auxiliary shaft, means pivotally connecting the other end of said connecting rod to said crank, a plate carried by said crank, gearing connecting main shaft to the auxiliary shaft, a stationary cam, a roller carried by the plate engaging a race in said cam and arms pivotally connected together and pivotally connected with said plate, said arms constituting the limbs of the crank.

2,155,498
STOCK ATTACHING DEVICE FOR FIREARMS
Albert F. Laudensack, New Haven, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application September 9, 1937, Serial No. 162,998
12 Claims. (Cl. 42—75)



1. The combination with a firearm having a barrel and a stock adjacent thereto; of a stock-attaching device, comprising: a coupling-band extending around said barrel and having a draft-tongue projecting therefrom; and a wedging-member carried by and extending in the said stock and movable transversely with respect to the draft-tongue of the said coupling-band, and having wedging engagement therewith to draw the said stock and barrel toward each other.

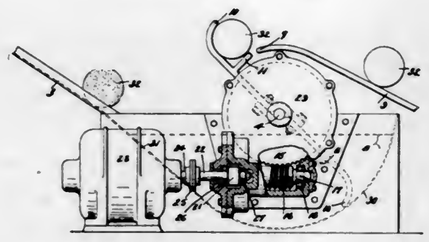
2,155,499
METHOD OF WATERPROOFING HYGROSCOPIC MATERIALS
Walter E. Lawson, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1935, Serial No. 12,647
12 Claims. (Cl. 52—19)

1. An explosive composition comprising an ingredient imparting water-resistant properties to the water-soluble materials thereof by being present as a water protective coating thereon, said ingredient consisting of a resinous mixed ester of a polyhydric alcohol, a polycarboxylic acid and a fatty acid of at least six carbon atoms.

6. A composition of matter for use in explosive charges comprising a granular water soluble material normally having a tendency to cake on standing, and incorporated therewith to form a water protective coating thereon, a resinous mixed ester of a polyhydric alcohol, a polycarboxylic acid and a fatty acid of at least six carbon atoms.

11. The method of rendering water-resistant, a material comprising sodium chlorate, which comprises incorporating with said material at least one resinous mixed ester of a polyhydric alcohol, a polycarboxylic acid and a fatty acid of at least six carbon atoms.

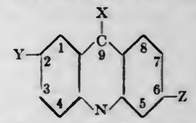
2,155,500
BRIQUETTE COATING MACHINE
Albert J. Lundwall, Muskegon, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application July 27, 1937, Serial No. 155,890
3 Claims. (Cl. 91—46)



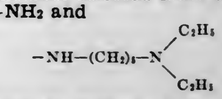
1. A briquette coating machine comprising in combination a tank having therein a briquette coating mixing portion and a briquette coating portion, the said portions separated from each other by a partition having an aperture therethrough whereby the briquette coating mixture can be delivered from the said mixing portion to the said coating portion, a rotatable shaft extending transversely of the said tank and carried in bearings thereon, mixing means for said mixture comprising a plurality of paddles having blades inclined to the axis of said shaft, secured to the shaft and extending into the said mixing portion of the said tank, a plurality of arms secured to said shaft and extending into the coating portion of the tank and having their outer end portions curved and extending in the direction of the shafts rotation and a member thereon in spaced relation to the end thereof also extending in the direction of said shafts rotation, a gear secured to the said shaft for rotating the said shaft, and a gear engaging the first said gear whereby the machine is operated, a rollway for delivering the briquettes into said coating portion of the tank and against said arms in opposite direction to the rotation thereof and a rollway for receiving the briquettes from said arms when elevated thereby from the coating portion of said tank.

2,155,501
PHOTOGRAPHIC TREATING BATH
Georg L. Maiser, Dessau, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application April 7, 1937, Serial No. 135,491. In Germany April 11, 1936
4 Claims. (Cl. 95—88)

1. A bath comprising an aqueous solution of a photographic treating agent and a stabilizing agent consisting of an acridine derivative corresponding to the following general formula:

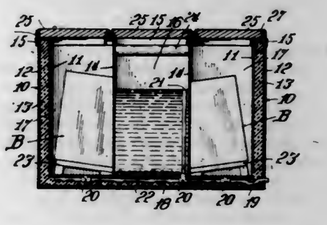


X being a member selected from the group consisting of $-NH_2$ and



Y being a member selected from the group consisting of $-OCH_3$, OC_2H_5, and H, Z being a member selected from the group consisting of H, NH_2, and Cl.

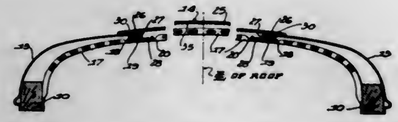
2,155,502
MILK COOLING CABINET
Arthur A. McMurray, Norristown, Pa., assignor of one-half to Ronald L. Hectorne, Bridgeton, N. J.
Application February 8, 1937, Serial No. 124,715
5 Claims. (Cl. 62—75)



1. A milk cooling cabinet comprising a receptacle provided with transverse partitions of conducting material and of height coextensive with the height of the walls of the receptacle whereby the receptacle is divided into separate compartments, the intermediate compartment constituting the milk can holding compartment while the compartments at opposite sides constitute ice holding compartments, the latter compartments being without communication with the former compartment, all of said compartments having drain outlets in the bottoms; an air sealed drain pipe common to all of said drain outlets; sloping grids in the bottoms of the ice holding compartments whereby the ice in said compartments is

constantly held against said partitions; and a separately operable closure member for each compartment.

2,155,503
MOTOR VEHICLE
Pearle N. Miller, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1935, Serial No. 2,499
3 Claims. (Cl. 296—137)



1. A sheet metal roof structure for vehicles comprising front, rear and side metal panels defining a top opening and having their inner edge portions bent downwardly and then inwardly, an insertable sheet metal top for covering the opening having its edge portion doubled under in spaced relation and then bent downwardly and inwardly, the doubled under portion of the top resting on said panels outside of said downwardly bent edge portions, the downwardly bent portion of said top being spaced inwardly from the downwardly extending portions of the panels, the marginal inwardly extending portion of said top resting on the inwardly extending marginal portions of said panels and welded thereto, and a sealing compound filling the space between the doubled under and downwardly extending portions of said top and the adjacent surfaces of said panels, the under portion of said top being flexible to move a limited extent with any one of the panels to which it is fixed without transmitting such movement across the overlying portion of the top to the opposite panel.

2,155,504
DISINFECTING MEANS
Wilhelm Neugebauer, Wiesbaden-Biebrich, Germany, assignor, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 2, 1936, Serial No. 77,545. In Germany May 2, 1935
5 Claims. (Cl. 167—22)

1. A disinfecting and sterilizing agent comprising a higher molecular sulphonium compound.

4. A disinfecting and sterilizing agent comprising dodecyl-benzyl-methyl-sulphonium-methylsulfate.

5. A disinfecting and sterilizing agent comprising 2,6-dichlorbenzyl-decyl-methyl-sulphoniummethylsulfate.

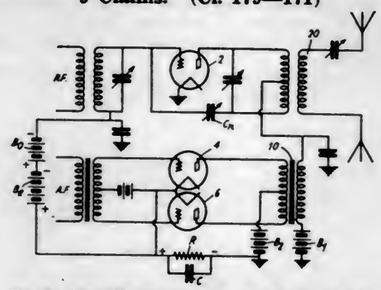
2,155,505
YARN HOLDER
Fred W. Paffen, Forest Hills, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application December 11, 1936, Serial No. 115,285
1 Claim. (Cl. 139—207)

An attachment for cop tubes or pirns comprising a base, a split hollow spindle integral therewith and having a tapering inner wall, said base and spindle being screw threaded, a shaft, having a conical tip, threaded in said base and spindle and means on said shaft for imparting movement thereto relative to said spindle, the conical tip on said shaft cooperating with the tapering inner wall for expanding said hollow spindle so



as to lock the cop tube or pirn in position on said attachment.

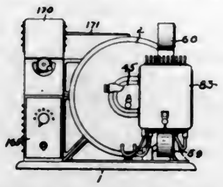
2,155,506
CONTROLLED CARRIER MODULATION
John L. Reinartz, Manchester, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application February 14, 1936, Serial No. 63,823
9 Claims. (Cl. 179—171)



1. In a signalling system, a carrier wave amplifier tube having a grid electrode and a cathode coupled to a source of potentials of carrier wave frequency and output electrodes coupled to a load circuit, a modulator tube having input electrodes coupled to a source of modulating potentials and output electrodes coupled to an electrode of said amplifier tube, biasing means in the direct current grid circuit of said amplifier tube for controlling the gain thereof, and biasing means in a direct current circuit of said modulator tube connected with said first named biasing means to oppose the control thereof in accordance with average modulating potential intensity.

2,155,507
WAVE RECORD ANALYZER
Frank Rieber, Los Angeles, Calif., assignor of one-half to Continental Oil Company
Application January 31, 1938, Serial No. 187,989
10 Claims. (Cl. 181—0.5)

1. A wave record analyzer comprising means for driving a trace record, means for driving a phonographic record in fixed space relation to the movement of said trace record, means for simultaneously reproducing a plurality of sound tracks from said phonographic record into a common sound channel, a recording point connected to be driven from said sound channel and positioned



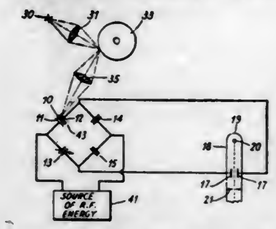
to form a trace on said trace record, and means for altering the relative time phase relationship of the points on the various sound tracks from which reproduction occurs.

2,155,508
WAVE GUIDE IMPEDANCE ELEMENT AND NETWORK
Sergei A. Schelkunoff, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1936, Serial No. 114,129
18 Claims. (Cl. 178—44)



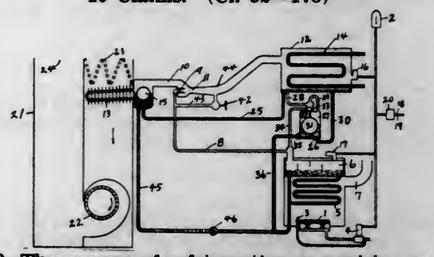
1. An impedance element in a high frequency transmission system comprising a metallic pipe split longitudinally and carrying within it high frequency electromagnetic waves that are accompanied by the flow of corresponding conduction currents peripherally around said pipe.

2,155,509
ELECTRO-OPTICAL SIGNALING
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 29, 1936, Serial No. 103,083
In Germany September 24, 1935
7 Claims. (Cl. 178—7.2)



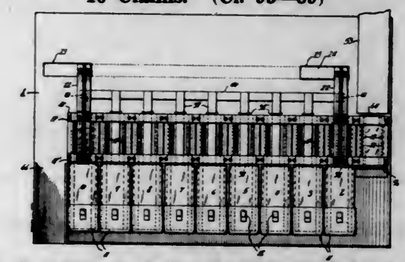
1. In an electro-optical signaling system, the method of converting varying light intensities representative of an image to be transmitted into electrical signaling impulses, which comprises the steps of actino-dielectrically producing potential variations in accordance with the varying light intensities, producing a beam of electrons, controlling the produced beam of electrons by the produced potential variations to vary the number of electrons in the beam reaching a predetermined point, collecting the electrons reaching the predetermined point, and producing electrical signaling impulses of an amplitude proportional to the number of collected electrons.

2,155,510
AIR CONDITIONING SYSTEM
William B. Shepperd, St. Louis, Mo., assignor to Lewis L. Scott, St. Louis, Mo.
Application March 16, 1935, Serial No. 11,396
10 Claims. (Cl. 62—178)



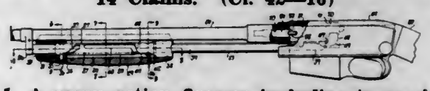
2. The process of refrigeration comprising extracting heat from space surrounding a liquid refrigerant by evaporation intensified by entraining vapors from said liquid in a stream of expanding refrigerant gas to reduce the pressure on said liquid, said refrigerant comprising one of the group of halo-fluoro derivatives of an aliphatic hydrocarbon, including fluoro-dichloro-methane, fluoro-trichloro-methane and trichloro-trifluoroethane.

2,155,511
APPARATUS FOR DEVELOPING PHOTOGRAPHIC PRINTS
Luther G. Simjian, New Haven, Conn.
Application November 16, 1936, Serial No. 111,043
16 Claims. (Cl. 95—89)



1. In an apparatus for developing photographic prints, a plurality of tanks containing processing liquid, a transversely movable carriage member having a plurality of pairs of opposed guide members for conveying and positioning films over said tanks, and vertically movable finger means arranged to project into the space between the guide members of each pair of guide members and operable for receiving the films from said carriage member for immersing the same in the liquid of said tanks and for agitating the films therein.

2,155,512
PUMP-ACTION FIREARM
Carl G. Swebilius, Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware
Application September 9, 1937, Serial No. 162,990
14 Claims. (Cl. 42—16)



1. A pump-action firearm including in combination: a barrel having a cartridge-chamber; a cartridge-extractor for extracting cartridges

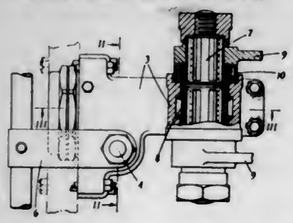
from the cartridge-chamber of the said barrel; a reciprocating operating-handle for operating the said cartridge-extractor; and force-multiplying means operatively interposed between the said reciprocating operating-handle and the said extractor and constructed and arranged to multiply the force applied to the said operating-handle and transmit the movement of the latter to the said extractor to move the same rearwardly at a relatively-slow rate to free a cartridge-case from the cartridge-chamber, and then transmit the said movement at a more rapid rate to further rearwardly move the said extractor to complete the extraction of the said cartridge-case.

2,155,513

HINGE MECHANISM FOR THE MOVING OR CONTROL SURFACES OF AIRCRAFT

René Tampier, Boulogne-sur-Seine, France

Application June 25, 1938, Serial No. 215,938
In Great Britain July 29, 1937
8 Claims. (Cl. 74—469)



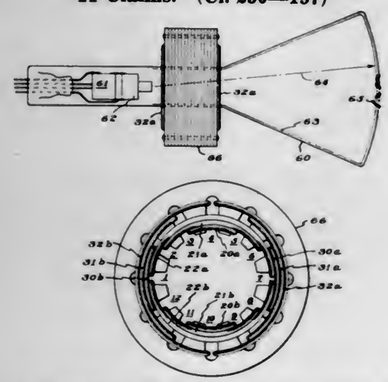
1. Hinge mechanism for the moving or control surfaces of aircraft, comprising a casing, a lever or hinge arm secured upon a shaft rotatably mounted in bearings at one end of said casing, a control lever, secured to a shaft disposed at right angles to the first mentioned shaft, mounted in bearings at the opposite end of the casing, crank members extending from each shaft within the casing, and means for connecting the free ends of said crank members together.

2,155,514

DEFLECTING COIL FOR CATHODE RAY TUBES

William A. Tolson, Westmont, N. J., and Ioury G. Maloff, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application November 30, 1935, Serial No. 52,318
11 Claims. (Cl. 250—157)



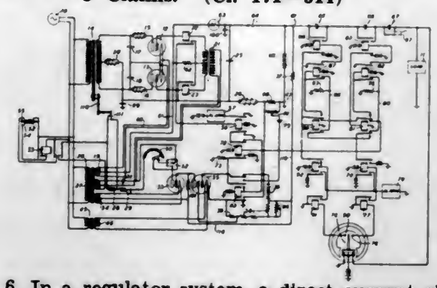
9. In combination, a cathode ray tube having therein means for producing an electron beam, and deflecting means for deflecting said electron beam, said deflecting means comprising a pair of diametrically opposed distributed windings.

2,155,515

REGULATOR SYSTEM

David E. Trucksess, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 31, 1936, Serial No. 61,681
8 Claims. (Cl. 171—314)



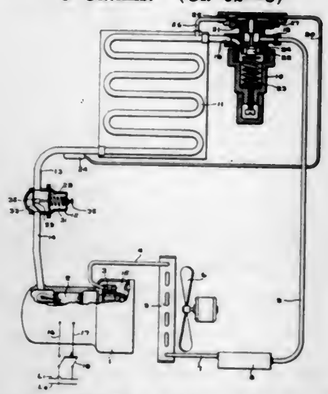
6. In a regulator system, a direct current circuit, an alternating current supply circuit, means comprising a three-element space discharge rectifier tube connected to supply rectified current to said direct current circuit, means for regulating the output current of said rectifier in accordance with the voltage of said direct current circuit, and means responsive to the failure of said alternating current source for causing the rectifier output to be regulated independent of the voltage of said direct current circuit upon reestablishment of the alternating current supply.

2,155,516

REFRIGERATION APPARATUS

Robert H. Tull, Springfield, Mass., and Bartel J. Homkes, Detroit, Mich., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1936, Serial No. 99,180
5 Claims. (Cl. 62—3)



1. In a refrigerating system wherein a refrigerant is compressed, condensed, and evaporated in a continuous cycle, the combination of an evaporator in which the evaporation of refrigerant takes place, means for effecting continuous operation of the system and, therefore, continuous evaporation of refrigerant in said evaporator, and means for maintaining the temperature of the evaporator substantially constant during continuous operation of the system and regardless of the heat load on said evaporator.

2,155,517

SHAFT FOR GOLF CLUBS

John Henry Turner, Abingdon, Berkshire, England

Application May 24, 1937, Serial No. 144,446
In Great Britain July 29, 1936
2 Claims. (Cl. 273—80)



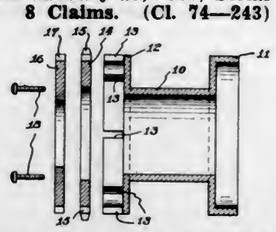
1. A golf club shaft comprising in combination a long metal shaft, a wooden handle having a longitudinal slit therein, said handle extending lengthwise from said shaft and secured thereto, said slit extending from the end of said handle remote from said shaft and terminating at a point spaced from the upper end of the latter, and resilient filling within said slit, said filling being made of spring steel, whereby during operation of said club a flail action of the metal shaft is obtained.

2,155,518

FILM SPROCKET

John M. Wehner, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 29, 1937, Serial No. 122,941
8 Claims. (Cl. 74—243)



1. A sprocket of the class described comprising a cylindrical drum having longitudinal slots therein, an annular member fitting within said drum and having sprocket teeth thereon passing through said slots, and means for securing said members to said drum.

2,155,519

TEXTILE YARN AND FABRIC AND METHOD OF MAKING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 18, 1936,
Serial No. 91,423
8 Claims. (Cl. 57—140)

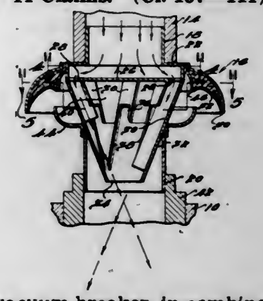
1. Process for producing crepe yarns which comprises forming yarns having a varying denier from an organic derivative of cellulose, twisting the yarns while the yarns are under the influence of steam, whereby the ratio of the degree of twist inserted in the thin portion of the yarns to the degree of twist inserted in the thick portion of the yarns is greater than the inverse ratio of the square roots of the deniers of said portions.

2,155,520

VACUUM BREAKER

Joseph P. Wolff, Detroit, Mich.

Application May 21, 1938, Serial No. 209,240
11 Claims. (Cl. 137—111)



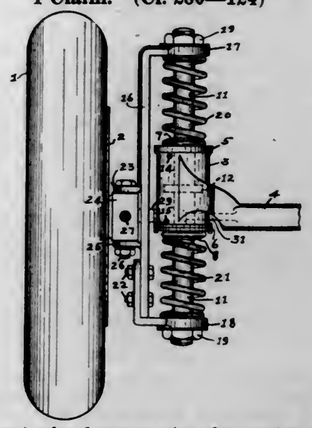
1. In a vacuum breaker, in combination, an inlet connection adapted to receive a solid stream of water, means for separating said stream into a plurality of smaller streams, and means for directing said smaller streams for flow over the surface of an imaginary cone toward the apex thereof.

2,155,521

FRONT WHEEL SUSPENSION FOR MOTOR VEHICLES

Raphael Zavarella, Pittsburgh, Pa., assignor of one-half to Cornelius D. Scully, and one-fourth to Harold K. Brooks, both of Pittsburgh, Pa., and one-fourth to John A. Rykaczewski, Braddock, Pa.

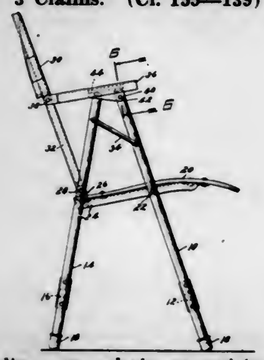
Application April 23, 1936, Serial No. 75,988
Renewed September 15, 1938
1 Claim. (Cl. 280—124)



In a front wheel suspension for motor vehicles, the combination with a vehicle chassis, of a vertically disposed cylinder fixed in position to the chassis, a connecting yoke revolubly supporting a vehicle wheel, a piston rod extending vertically through said cylinder and projecting beyond respective ends of the latter adjustably connected to said yoke, a piston disposed in said cylinder

fixed on said rod, operating fluid carried in said cylinder, the wall of the bore of said cylinder provided with a pair of vertically extending diametrically disposed passages, each of said pair of passages increasing in capacity area from the respective ends thereof toward its transverse center for varying the rate of displacement of said fluid during the reciprocal travel of said piston in said cylinder, a pair of coil springs mounted on respective projecting ends of said rod and engaging respective ends of said yoke and of said cylinder, a forwardly projecting arm fixed to said cylinder, and a bracing bar having a pivotal connection with the outer end of said arm and with said yoke for regulating the radial position of the latter relatively to the axis of said cylinder.

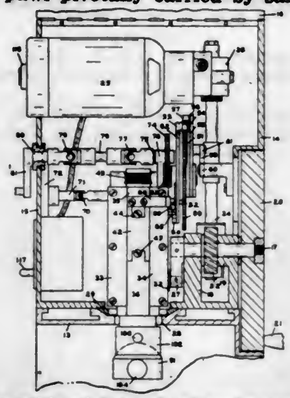
2,155,522
FOLDING ARMCHAIR
John B. Adler, Crystal Lake, Ill.
Application June 4, 1937, Serial No. 146,469
3 Claims. (Cl. 155—139)



3. A folding arm chair comprising, in combination, a pair of front legs, a pair of rear legs, a seat pivoted intermediate its ends between the front legs and pivoted at its rear end between the rear legs, a back pivoted at its lower end between the rear legs, a pair of arms pivoted at their rear ends to the back, said front legs extending above their pivotal connection to the seat and pivotally connected at their upper ends with the arms adjacent to the forward ends of the arms, said rear legs extending above their pivotal connection with the seat and adapted to detachably engage said arms rearwardly of their pivotal connection with the front legs when the chair is unfolded to occupant supporting position, a pair of links pivotally connecting the front legs with the rear legs in spaced apart relationship to the pivotal connections of said legs with the seat, said front and rear legs adapted to fold together and said seat and back adapted to fold together between the front and rear legs.

2,155,523
MICROTOME
Edward Bausch, Rochester, and Gustave Fassin, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 26, 1935, Serial No. 18,484
12 Claims. (Cl. 88—40)

1. In a microtome a base, a carriage reciprocably carried by said base, means for reciprocating said carriage, an object support slidably mounted on said carriage, a screw mounted on said carriage for moving said object support, a ratchet wheel mounted upon said carriage for rotating said screw, a pawl, an actuating link for said pawl pivotally carried by said base for



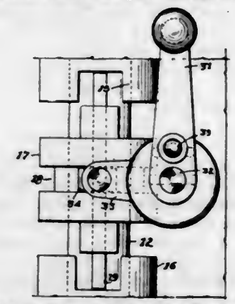
actuating said ratchet wheel and means for disengaging said pawl from said ratchet upon predetermined movement of said object support in one direction.

2,155,524
ELECTRIC IGNITER FOR GAS BURNERS
Leslie W. Beebe, Oak Park, Ill., assignor of one-half to Dunbar W. Lewis, Glencoe, Ill.
Application August 13, 1937, Serial No. 158,885
4 Claims. (Cl. 175—115)

1. The combination with a gas oven having an opening in a wall thereof, of a housing attached to said wall over said opening, a spark igniter mounted in said housing and projecting through said opening, and a thermostatic switch having a bi-metallic member mounted on said igniter and a cooperating axially adjustable contact pin mounted in said housing and projecting through said opening, said housing and above named parts mounted therein being appliable to and removable from said wall as a unit.

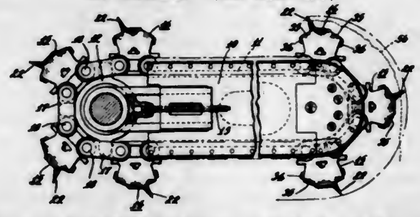
2,155,525
WRINGER DRIVE MECHANISM
Ferdinand Bendheim and Dave Hirstel, San Francisco, Calif.
Application February 5, 1935, Serial No. 5,050
6 Claims. (Cl. 68—255)

1. In a wringer support and drive comprising a stationary supporting member, a wringer bracket pivoted on the supporting member so as to be swingable about a vertical axis, and a transmission carried by the bracket and including an element shiftable vertically into three positions, the drive to the wringer being in one direction when the element is in one extreme position, in the other direction when the element is in the other extreme position, and being disconnected when the element is in its intermediate position; a swing lock comprising a fixed annular track on the stationary supporting member concentric with the axis about which the wringer bracket can swing and having upwardly and downwardly facing horizontal surfaces interrupted by recesses in the track, a latch vertically slidable in guides carried by the bracket, connected to the vertically shiftable transmission



element so as to move vertically with it, and having portions placed so as to slide on the horizontal track surfaces when the shiftable transmission element is in its intermediate position and the wringer bracket is swung about its vertical axis and to fit into the recesses in the track when the shiftable transmission element is moved to its extreme positions.

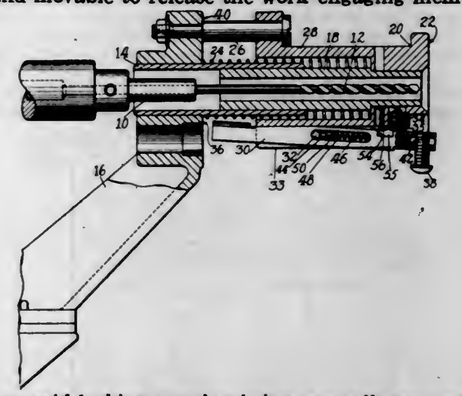
2,155,526
REVERSIBLE MINING MACHINE CHAIN
Charles L. Bowman, Canton, Ohio, assignor to The Bowdil Company, Canton, Ohio, a corporation of Ohio
Application December 12, 1936, Serial No. 115,491
10 Claims. (Cl. 262—33)



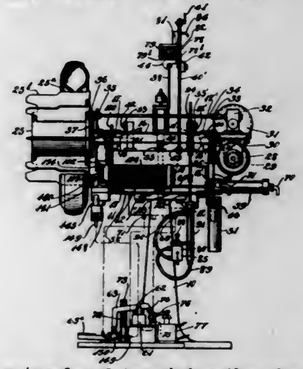
1. A reversible mining machine chain lug adapted to hold a rhomboidal shaped bit comprising, in combination, a chain lug having opposed recesses for respectively receiving the bit for forward or reverse cutting, each of said recesses having an abutting surface against which the rear face of the bit abuts, said abutting surfaces sloping downwardly and inwardly to form a common bottom for both recesses and to form a substantially large lug portion between, and to give strength to, the two abutting surfaces with a minimum of longitudinal distance between the cutting point of the bit and a line passing vertically through the center of the lug, and a set screw for each recess to engage the forward face of the bit to hold same therein.

2,155,527
MACHINE FOR OPERATING UPON THE HEEL-PORTIONS OF SHOES
Francis Low Brandt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 2, 1937, Serial No. 123,657
9 Claims. (Cl. 144—93)

1. In a machine for operating upon the heel-portions of shoes, a rotatable tool, a work-engaging member movable along the tool, and a locking member arranged to hold the work-engaging member against movement by the work and movable to release the work-engaging member, said locking member being normally secured against movement in a direction to effect such release while movable in another direction to free it for such release.



2,155,528
BALANCING MACHINE
Charles C. Cadden, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 3, 1935, Serial No. 29,667
16 Claims. (Cl. 73—51)

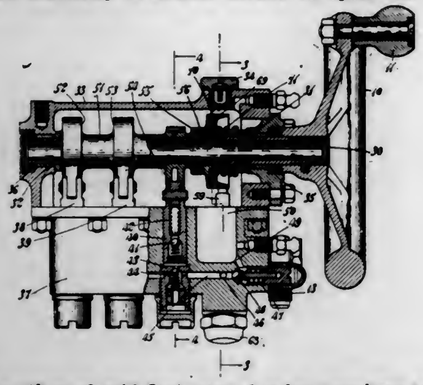


1. Apparatus for determining the characteristics of an unbalanced force affecting balance of a rotatable object about its axis, said apparatus comprising a balanced beam, means carried thereby for supporting and rotating the object on an axis coincident with the axis of oscillation of the beam, means including an element attached to the beam for indicating the deflection of the beam due to the unbalanced force, and means actuated by movement of said element for arresting the beam at its deflected position.

2,155,529
LIQUID PRESSURE REMOTE CONTROL SYSTEM
Edward Claude Shakespeare Clench, Leamington Spa, England, assignor to Automotive Products Company Limited, London, England
Application February 4, 1937, Serial No. 124,153
In Great Britain February 5, 1936
4 Claims. (Cl. 103—2)

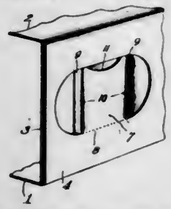
1. In a liquid pressure remote control system, the combination with a pair of pipe lines of means

including a liquid reservoir, and a transmitter pump for energization of said pipe lines, valve means including a pair of valve members for placing said pump in communication with a selected one of said pipe lines, manually reversible means for actuating said valve members, a pair of by-pass valves which, when open, connect said reservoir with the two pipe lines, respectively, and a slipping friction clutch device movable with said manually reversible means to open one or



the other of said first-named valve members and concurrently close one or the other of the by-pass valves according to the direction of movement of the manually reversible means, thus placing the corresponding pipe line out of communication with the reservoir, whereby the pressure liquid from the pump is delivered to the said pipe line, and means for concurrently holding the other by-pass valve open, to permit liquid returned from the other pipe line to pass into the reservoir.

2,155,530
DIE CUT LOCK TOP FOR PAPER BOXES
William V. Crook, Kansas City, Mo.
Application June 28, 1937, Serial No. 150,695
4 Claims. (Cl. 229—45)

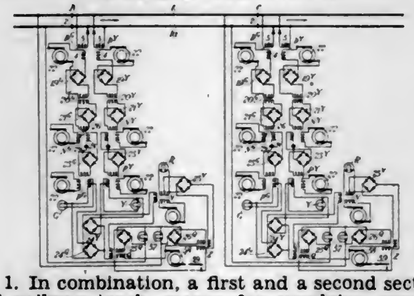


1. A lock for telescopic paper boxes comprising top and bottom box members having side walls in telescoping relation, the inner wall having a pair of spaced vertically extending slots with their ends terminating intermediate the height of said wall, and the outer wall being formed with a tongue of oblong rectangular shape, the long axis being parallel to the bottom of the box, said tongue being cut free of the box wall except for a limited area along its bottom edge to prevent outward bulging of the bottom edge of the outer wall when the two walls are interlocked, the ends of the tongue constituting extensions and being engaged with the slots of the inner wall only by swinging the tongue outwardly around its attached edge and then bending the extensions upwardly to substantially right angles to the body of the tongue and into alinement with the slots in the inner wall.

2,155,531
ARTIFICIAL CONSTRUCTION STONE
Frank L. Decker, Kimble, Pa.
No Drawing. Application July 28, 1937, Serial No. 156,233
5 Claims. (Cl. 106—31)

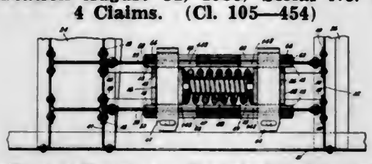
1. The method of preparing a synthetic molding composition adaptable for the manufacture of artificial stone for building purposes comprising mixing shale and a bituminous binder with hot water whereby a paste of substantial consistency is obtained, incorporating in said paste melted rubber and pigment, and molding the same under pressure.

2,155,532
RAILWAY SIGNALING SYSTEM
Philip H. Dowling, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application April 22, 1931, Serial No. 532,028. Divided and this application July 14, 1938, Serial No. 219,243
14 Claims. (Cl. 246—34)



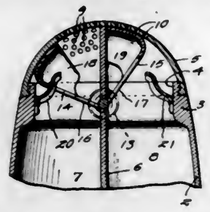
1. In combination, a first and a second section of railway track, means for supplying current to the rails of said first section, a first magnetizable device having a control winding which receives energy from the rails of said first section and having an impedance winding linked magnetically with said control winding by means of a common magnetizable core, a second magnetizable device, means including a source of periodically varied current and said impedance winding for energizing said second magnetizable device, and means governed by said second magnetizable device for supplying rail current to said second section.

2,155,533
CAR CONSTRUCTION
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 31, 1936, Serial No. 98,635
4 Claims. (Cl. 105—454)



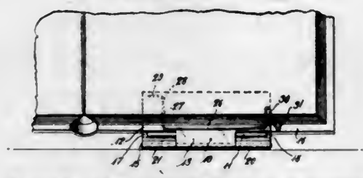
4. In a railway car, the combination with an underframe structure including center sills, side sills, end sills, a transverse bolster at each end of said underframe and transverse cross-bearers connecting the side and center sills; of a lading carrying body slidingly mounted on said underframe; cooperating pairs of longitudinally extending beams on said body and underframe, said pairs of cooperating beams being arranged in sets at opposite sides of each end of the car, the body beams being rigidly fixed to said body and each underframe beam having its opposite ends fixed respectively to the corresponding bolster and the adjacent cross-bearer, each beam of each pair having front and rear key slots; removable keys extending through the front and rear slots of the pairs of each set of beams for detachably connecting the car body to the underframe; and cushioning means yieldingly opposing relative movement of said keys to cushion shocks between said body and underframe.

2,155,534
CONDIMENT HOLDER
Gertrude E. Edwards, Modesto, Calif.
Application July 1, 1938, Serial No. 217,042
1 Claim. (Cl. 65—45)



A condiment holder comprising a base, a substantially oval shaped hollow body fixed on and rising from the base and having an open upper end, a partition dividing the body into separate compartments, a substantially dome shaped cap threaded on the upper end for closing the same and having a group of discharge openings disposed above each compartment, said partition extending into the cap for engagement therewith, bushings secured in diametrically opposite sides of the body, a handled shaft mounted for rotation in the bushings, valve means for each group of openings and including arms having right angled bent ends fixed in the shaft, hood shaped portions formed on the arms and curved to follow the curvature of the cap for wiping engagement therewith for alternately opening and closing the openings whereby the contents of the compartments can be independently discharged therefrom, said valve means including arched portions, and spring fingers secured to the body and curved to provide seats for frictionally receiving the arched portions for holding the valve means in either of their positions.

2,155,535
BOOK HOLDER
Seth E. Elliott, Indianapolis, Ind.
Application May 29, 1937, Serial No. 145,572
2 Claims. (Cl. 45—80)



1. A book holder comprising, in combination: a cover clasping portion applicable to the bottom edge of a book cover; a foot portion hinged to an edge of said clasping portion, swingable from a position of contact with the inner surface of a book cover clasped by the first-named portion through an arc of at least 270° to a book-supporting position; and parts of said portions interengaging to hold the book in reading position.

2,155,536
THIMBLE
Arnold R. Fauria, Los Angeles, Calif.
Application November 3, 1937, Serial No. 172,625
2 Claims. (Cl. 24—123)



2. A thimble of the class described, comprising a main portion having a channel in which a cable is positioned, said main portion having openings through which crossed portions of cable are extended, securing the cable on the thimble, a guard member housing the crossed portion of the cable, said guard member being tapered in a direction away from the main portion of the thimble, and means for securing the guard against movement with respect to the cable.

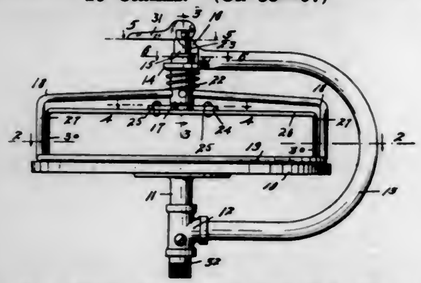
2,155,537
HIGH FREQUENCY ELECTRICAL SWITCH DETAIL
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Original application August 5, 1933, Serial No. 683,861. Divided and this application July 23, 1936, Serial No. 92,261
5 Claims. (Cl. 200—171)



4. In an electrical switch, a switch arm comprising a tubular conductor of substantially elliptical cross-section, opposite sides of said tubular conductor being flattened into contact with each other at one end of said conductor, a flexible connector looped and having the end portions thereof disposed in the opposite end of said conductor in the recesses at opposite ends of the major axis of the elliptical cross-section of said

conductor, a plug having recesses for said connector and shaped to fit within the open end of said conductor between the end portions of said connector, said conductor and said plug being centrally apertured on the minor axis of the elliptical cross-section of said conductor, and a pin member mounted in the aperture for maintaining said plug in position and pivotally mounting said tubular conductor for movement in the direction of the major axis of the substantially elliptical cross-section thereof.

2,155,538
SURVEYOR'S PLANE TABLE
Ebenhard S. Gandrud, Pipestone, Minn.
Application April 19, 1937, Serial No. 137,612
16 Claims. (Cl. 33—67)



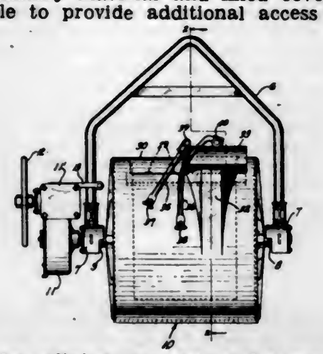
1. In a device of the kind described, the combination with a table, of a sighting bar with straightedge located above said table, supported on a central axis with the intermediate portion of the straightedge free from obstructions, and mounted for rotary movements over said table and for raising and lowering movements in respect to said table, means tending to press said sighting bar and straightedge downward, combined with means for readily lifting said bar and straightedge.

2,155,539
PIGMENTED RUBBER COMPOSITION
Henry A. Gardner, Washington, D. C.
No Drawing. Application March 13, 1936, Serial No. 68,777
6 Claims. (Cl. 106—23)

1. A rubber composition consisting essentially of a rubber mass containing dispersed therethrough a metallic phthalate in an amount at least equal to 30% by weight of the rubber content of the composition.

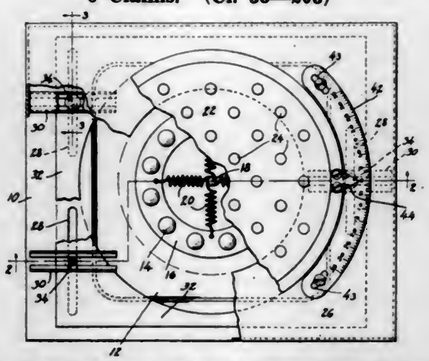
2,155,540
COVERED LADLE
Max W. Goldberg, Port Washington, Wis., assignor to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application October 31, 1936, Serial No. 108,557
4 Claims. (Cl. 22—81)

2. A metal ladle comprising a substantially horizontally disposed cylinder, a heat resisting lining in said cylinder, means for supporting said cylinder for rotation on its longitudinal axis, there being an opening in the cylindrical wall of the ladle, a fixed cover closing part of said opening and having its outer surface depressed below the outer surface of the cylindrical wall, refractory material superimposed on said cover and having its outer surface substantially flush with the outer surface of the cylindrical wall, a movable cover normally positioned at one side of said fixed cover to close the remainder of said opening, said refractory material and fixed cover being removable to provide additional access to the



interior for relining purposes, and a spout projecting from a portion of said cylindrical wall.

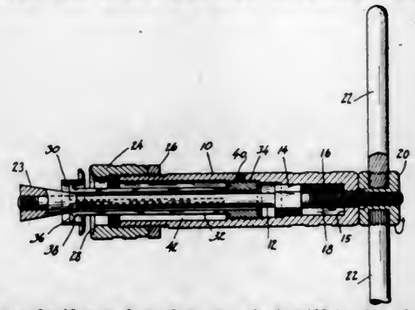
2,155,541
RADIUS TURNING GAUGE
George M. Graham, Detroit, and Arthur E. Price, Jackson, Mich., assignors to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application April 22, 1935, Serial No. 17,652
6 Claims. (Cl. 33—203)



1. A radius turning gauge comprising, in combination, a base having guideways extending in one direction, a plate superposing said base and provided with guideways extending angularly with respect to those in the base and adapted to superpose the same, an element between said base and said plate provided with studs fixed therein and extending into the guideways of the base and the guideways of the plate for sliding movement therein, said plate having a circular aperture, and a wheel supporting disc rotatably carried in said aperture.

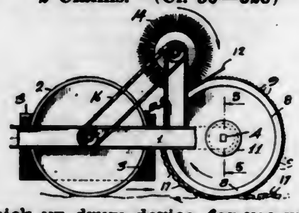
2,155,542
FERRULE EXPANDING TOOL
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application January 19, 1938, Serial No. 185,650
3 Claims. (Cl. 153—80)

1. A ferrule expanding tool comprising, in combination, a tubular body, a sleeve fixed at one end within the body against rotation and extending away from said fixed end axially through the body spaced therefrom and having its opposite end projecting beyond the end of the body and provided therebeyond with an outwardly projecting ferrule seating face bevelled on the side facing the end of the body, said sleeve being slitted lengthwise toward said opposite fixed end, a cap having an annular ferrule seating outer end face threaded upon the end of the body to project therebeyond toward the ferrule seating face on the end of the sleeve but spaced therefrom, said cap being threadedly adjustable lengthwise upon the body toward and away from the ferrule seating face of the sleeve, a rod extending axially through the sleeve and body projecting beyond



the ends thereof and supported within the body against rotation but slidable lengthwise therethrough, that end of the rod which projects beyond the split end of the sleeve being tapered and of a diameter greater than the internal diameter of the split end of the sleeve to expand such split end of the sleeve as the rod is drawn thereinto, and means threaded upon the opposite end of the rod engaging the end of the body and operable upon rotation to move the rod lengthwise of the body.

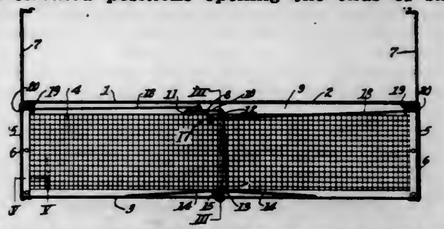
2,155,543
FRUIT PICKER
Juvenal Grignolo, San Francisco, Calif.
Application June 5, 1937, Serial No. 146,655
2 Claims. (Cl. 56—328)



1. A pick-up drum device, for use with a fruit gatherer having a carriage and a chute, of a square shaft rigidly mounted transversely of said carriage; a plurality of vertically slotted bearings slidably mounted for limited vertical movement on said shaft; and a fruit-impaling wheel rotatably mounted upon each bearing for conveying fruit from a surface over which said carriage and wheels are moved to convey fruit from said surface to said chute.

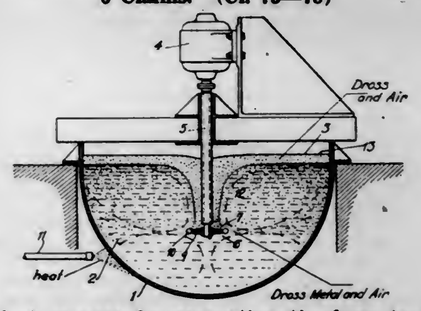
2,155,544
TRAP
Fred Harlow, Newark, Ohio
Application January 31, 1938, Serial No. 187,861
7 Claims. (Cl. 43—61)

1. A trap for animals or fowls comprising a box-like casing open at the ends thereof, door plates having openings therein for closing said open ends, vertical guides carried by the ends of said casing for the slidable reception of said door plates, a rock shaft journaled transversely in the casing intermediately of the ends thereof, a crank element fixed to oscillate with said shaft within the interior of said casing contiguous to its top, latch rods having their inner ends connected with opposite portions of said crank element, the outer ends of said rods being slidably supported in connection with the outer portions of said casing and receivable within the openings formed in said door plates whereby to maintain said plates in elevated positions opening the ends of said



trap, a movable floor plate arranged in the bottom of said trap intermediate of the ends thereof, a link uniting said floor plate with said rock shaft, and means normally acting on said rock shaft to maintain said floor plate in an elevated position and said latch rods in their extended door latching positions.

2,155,545
REMOVAL OF TIN FROM LEAD CONTAINING TIN AND OTHER IMPURITIES
Thomas E. Harper, Jr., and Gustave Reinberg, La Oroya, Peru, assignors, by mesne assignments, to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application March 23, 1938, Serial No. 197,672
In Peru July 13, 1935
6 Claims. (Cl. 75—78)

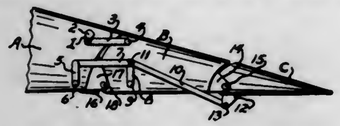


1. A process for separating tin from impure lead which comprises stirring a mass containing lead oxide and air into a molten bath of such lead at a temperature above about 950° F. with a disintegrating impeller immersed in the bath, at a speed of at least about 900 R. P. M. to form a vortex extending to the impeller, thereby causing a stream containing said lead oxide and some air to pass into the vortex and into contact with the impeller, the latter being of a character including shape and size to disintegrate the stream containing lead oxide at the speed mentioned, projecting the disintegrated stream by the impeller into the metal bath and mixing it therewith.

2,155,546
VARIABLE AIRFOIL STRUCTURE
Rowland M. Hill, Detroit, and Robert D. Wiley, Oakland, Mich.
Application May 3, 1937, Serial No. 140,290
1 Claim. (Cl. 244—44)

An airfoil comprising a fixed primary section, an intermediate trailing section pivotally connected to the primary section and forming an

air passage between the sections when said intermediate section is depressed, an outer trailing section pivotally connected to the intermediate section and forming an air passage between the intermediate and outer sections when the outer section is depressed, a mechanical operating linkage extending from the primary section to the intermediate section and adapted to swing the latter about its pivotal axis, a mechanical operating linkage extending from the primary section to the outer section and adapted to swing the latter about its pivotal axis, means connect-



ing said last mentioned operating linkage to said intermediate section at a point spaced from the pivotal axis thereof, said connecting means affecting the operation of said last mentioned operating linkage in such manner that it causes the outer section to swing about its pivotal axis at the same time as the intermediate section is swung about its pivotal axis, the connection of the last mentioned operating linkage to the outer section being such that when the intermediate section is swung about its pivotal axis the outer section is swung proportionately thereto and in the same direction.

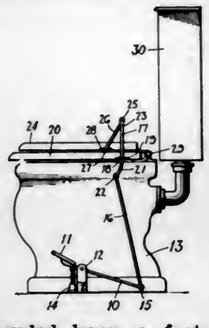
2,155,547
TRAILER BRAKE
Roy Hinton, Panhandle, Tex.
Application August 16, 1937, Serial No. 159,386
3 Claims. (Cl. 188—112)



1. A device of the character set forth comprising a coupler for detachably connecting a trailer to a towing vehicle and adapted to permit a limited sliding movement of the trailer relative to the towing vehicle and permitting the trailer and towing vehicle to pivot relative to each other, a brake rod connected to a brake mechanism of the trailer and slidably supported by the coupler, an adjustable abutment plate carried by the coupler to operate the brake rod and thereby bring about application of the trailer brake when the speed of the trailer exceeds the speed of the towing vehicle, and means adaptable for operation from a remote position on said towing vehicle for adjusting the abutment plate and for retaining the latter in any of its adjusted positions and permitting the abutment plate to be moved entirely out of the path of movement of the brake rod to permit backing movement of said trailer by said towing vehicle.

2,155,548
TOILET COVER AND SEAT LIFT
George Hompesch, Irvington, N. J.
Application August 10, 1938, Serial No. 224,057
7 Claims. (Cl. 4—251)

1. In combination with a toilet having a seat and cover hingedly mounted thereon, means for limiting the upward movement of said seat and cover, a lever extending upwardly pivotally mounted intermediate its length on said toilet seat one end of said lever extending above said toilet seat when the same is in its closed position, a lever having one end pivotally connected to said toilet cover forward of the pivot point of said first-mentioned lever on the toilet seat and having the other end pivotally connected to the up-



wardly extended lever, a foot lever pivotally mounted at the base of said toilet, and a rod pivotally connected to one end of said foot lever and extending upwardly the other end of said rod being connected to said upwardly extending lever, the connection between said upwardly extending lever and said rod being forward of the pivotal connection between said rod and the foot lever.

2,155,549
CASH DRAWER LINING INSERT
Herbert E. House, Kansas City, Mo.
Application October 17, 1938, Serial No. 235,425
1 Claim. (Cl. 133—11)

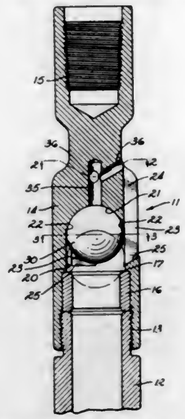


A metal liner for cash drawer compartments comprising a resilient metal plate of width corresponding to a compartment and comprising only front, bottom and back walls, the upper edges of the front and back walls being formed with a series of outwardly projecting teeth for embedment into corresponding walls of the compartment, the liner being tensioned when fitted into position whereby its reaction maintains the teeth embedded in the front and back walls of the compartment.

2,155,550
VALVE CONSTRUCTION
Frank M. Hudson, Walnut Park, Calif., assignor to Pacific Pump Works, Huntington Park, Calif., a corporation of California
Application July 12, 1937, Serial No. 153,208
1 Claim. (Cl. 251—121)

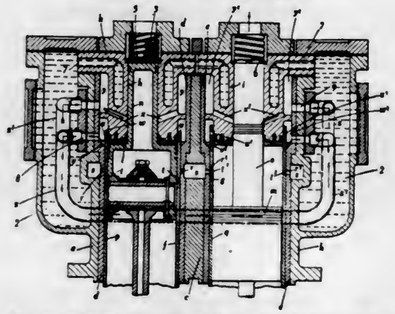
In a pump, a valve structure comprising: a cage having a groove formed in the exterior thereof intermediate of its ends, said cage being provided with a central cylindrical cavity connected to said groove through slots cut in the periphery of the lower portion of said cage; a ball slightly smaller in diameter than said cavity; and a ball seat upon which said ball may rest when said valve is closed, said cavity being sufficiently long to allow said ball to rise from said seat and allow a free flow of liquid through said seat when said valve is open, the upper end of

said cavity having a concave ball seat conforming to the curvature of said ball, an opening



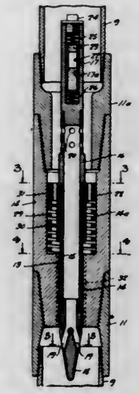
being provided through said concave ball seat connecting said cavity to said groove.

2,155,551
AIR OR GAS COMPRESSOR
William Frederick Jennings, Worthing, England
Application October 14, 1936, Serial No. 105,606
In Great Britain October 16, 1935
4 Claims. (Cl. 230—183)



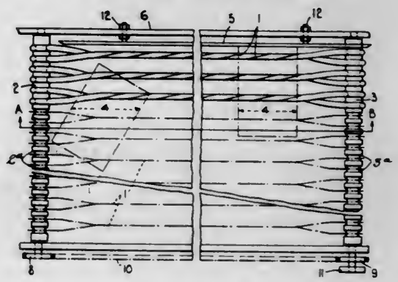
1. A two-stage air or gas compressor comprising a plurality of units each including superimposed high and low pressure cylinders and superimposed high and low pressure pistons in trunk form in said cylinders, an inlet chamber common to and communicating with the low pressure cylinders, an independent inlet chamber for each of the high pressure cylinders, an outlet chamber for each low pressure cylinder, conduits connecting the outlet chamber of the low pressure cylinder of one unit with the inlet chamber of the high pressure cylinder of the other unit, and a sleeve valve for each unit comprising a tubular element arranged between the low pressure pistons and the low pressure cylinders and formed with a series of openings to be associated with the inlet ports of the cylinders in a predetermined position of the element and an upper series of ports at all times in registry with the outlets of the cylinders, said element operating to control communication between the common inlet chamber and the low pressure cylinder and also serving to control communication between the outlet of each low pressure cylinder of one unit with the inlet of the high pressure cylinder of the other unit.

2,155,552
WELLHOLE INCLINOMETER
Harry H. Jones, Los Angeles, Calif., assignor, by mesne assignments, to Technical Oil Tool Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application June 5, 1929, Serial No. 368,728
10 Claims. (Cl. 33—205.6)



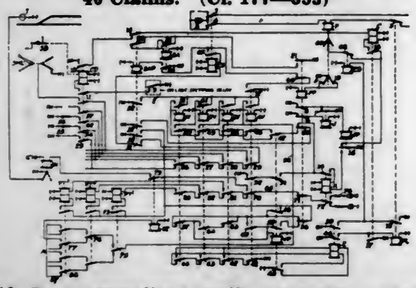
1. A device as described comprising a holder having an intermediate shoulder thereon and arranged to contain an instrument capable of recording its position with respect to the vertical, said holder being adapted to fall by gravity through a string of pipe, an abutment in said string of pipe adapted to register with said shoulder and yielding means interposed between said shoulder and abutment to yieldingly arrest the fall of said holder.

2,155,553
CONVEYER
Kenneth Warner Jones, Enfield, England
Application February 4, 1938, Serial No. 188,754
In Great Britain February 10, 1937
9 Claims. (Cl. 271—49)



1. A conveyer, comprising a plurality of endless flexible belts passing in tension around rollers, each belt consisting of a plurality of strands which for at least the forward run of the belt between selected locations spaced longitudinally of the conveyer are twisted together to provide a plurality of helical members, means being provided to engage the belts at each of said locations and separate the strands thereof whilst permitting forward travel of the belts, thereby effecting rotation about their axes of the forwardly running portions of the belts obtaining between said strand separating means.

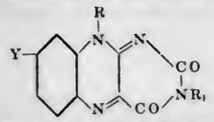
2,155,554
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application September 27, 1932, Serial No. 635,062
40 Claims. (Cl. 177—353)



40. In a centralized traffic controlling system for railroads, a control office, a field station, traffic controlling devices at said field station, a single line circuit connecting said control office and said field station and energized only by a direct current source located at said control office, and means for simultaneously transmitting controls to said devices and indications from said devices between said control office and said field station over said single line circuit, said means including means at said control office for impressing a control code comprising a series of code elements each including a distinctive current impulse from said direct current source on said line circuit and a time space and means at said field station for distinctively and individually modifying some of the individual code elements of said series of code elements.

2,155,555
ISO-ALLOXAZINE DERIVATIVES AND PROCESS FOR THE MANUFACTURE OF SAME
Paul Karrer, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 9, 1935, Serial No. 30,565. In Germany August 18, 1934
2 Claims. (Cl. 260—211)

2. The compounds of the formula

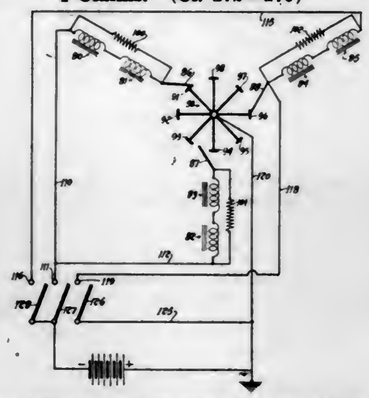


wherein Y is an alkyl radical, R_1 is selected from the group consisting of hydrogen and alkyl radicals, and R is a hydroxylated side chain, the compounds dissolving in water with yellow coloring, being very sensitive to light and having an influence upon the weight increase of test aminals characteristic of vitamin B_2.

2,155,556
PHOSPHATIC FERTILIZER
Friedrich P. Kerschbaum, Winter Haven, Fla., assignor to Harold T. Stowell, Washington, D. C.
No Drawing. Application September 30, 1936, Serial No. 103,458. In Austria October 7, 1935
5 Claims. (Cl. 71—46)

1. Process for the production of phosphatic materials suitable for fertilizers, comprising heating a mixture of a mineral phosphate and a trialkali metal orthophosphate, in the proportion of at least 0.8 mole of P_2O_5 in the alkali metal phosphate to each mole of P_2O_5 in the mineral phosphate, to a temperature of from about 1000° to about 1200° C.

2,155,557
MOTOR CONTROL
Hermann E. Kranz, Elmhurst, Ill., assignor to Elsbert Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois
Application August 14, 1937, Serial No. 159,130
4 Claims. (Cl. 172—179)



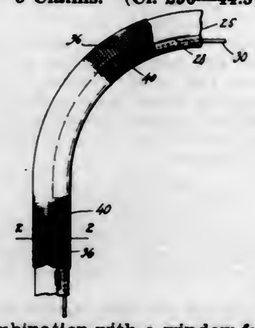
1. An electric impulse motor system comprising a rotor having a plurality of teeth of magnetically permeable material spaced around its periphery, a stator having a plurality of poles distributed around said rotor, each of said poles having a magnetizing coil and a core of magnetically permeable material within said coil, contactor means connected to a supply circuit for periodically energizing each of said coils and switching means for disconnecting said supply circuit from said contactor means and short circuiting at least one coil for obtaining an index stopping action.

2,155,558
PRESSURE REGULATOR
Clyde M. Laughlin, Wenatchee, Wash.
Application May 23, 1938, Serial No. 209,608
6 Claims. (Cl. 137—153)



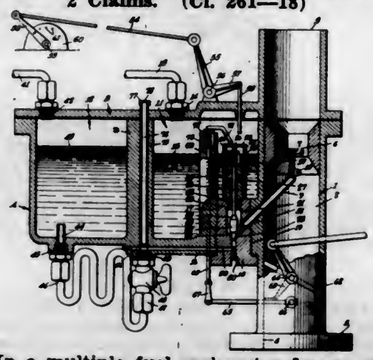
1. In a liquid pressure regulator having an inlet chamber an outlet chamber and an intermediate check valve, an overflow port and a pressure closed valve between the inlet chamber and the overflow port, the combination with a casing having a pressure chamber communicating with the outlet chamber, a piston in the pressure chamber having a stem adapted to unseat the overflow valve, said casing having a second pressure chamber and a balancing piston therein adapted to co-act with the first piston, and a spring-closed check valve controlling communication between said pressure chambers.

2,155,559
GLASS RUN FOR SLIDABLE WINDOWS
Emil B. Lefevre, Detroit, Mich., assignor to Detroit Gasket and Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 28, 1936, Serial No. 98,359
5 Claims. (Cl. 296—44.5)



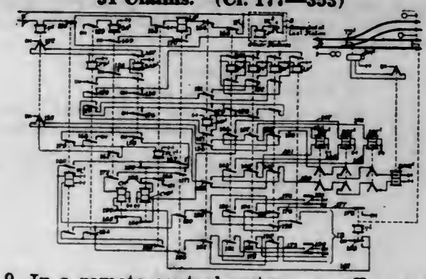
1. In combination with a window frame having a rabbet adapted to receive a glass pane for slidable movement, a glass run mounted within the rabbet to directly engage the slidable pane, said run including a side wall strip formed throughout of rubber and provided with an outer marginal tubular bead, said side wall provided with an interior reinforcement consisting solely of a reinforcing core of deformable wire extending slidably through the tubular bead and a finish covering over said bead.

2,155,560
CARBURETOR
Abraham M. Malouf, Los Angeles, Calif.
Application October 11, 1937, Serial No. 168,356
2 Claims. (Cl. 261—18)



1. In a multiple fuel carburetor for supplying fuel to an internal combustion engine, a reservoir for a light fuel, a reservoir for a heavy fuel, means defining an air passage, a jet in said passage through which fuel from either of said reservoirs may be supplied to the air stream passing through said air passage, a fuel passage from one of said reservoirs communicating with said jet, a second fuel passage from the other of said reservoirs communicating with said jet, valve means interposed in said fuel passages comprising a valve body defining a portion of the fuel passage for said light fuel, a valve seat thereon, a valve seat in the other of said fuel passages, a valve member movable from seating relation with one of said seats to seating relation with the other of said seats, means for moving said valve member between said two positions including a cap slidable upon said body, a metering orifice extending longitudinally relative to said body and communicating with the fuel passage in said valve body whereby movement of said cap relative to said body controls the effective size of the fuel passage for said light fuel.

2,155,561
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Neil D. Preston and Charles S. Bushnell, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application November 30, 1932, Serial No. 645,037
31 Claims. (Cl. 177—353)

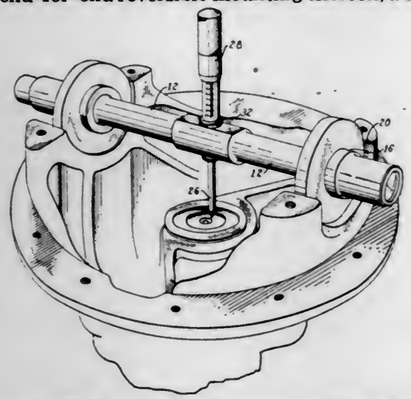


9. In a remote control system, an office and a station, a line wire connecting the office and station, stepping apparatus for transmitting a series of time-spaced impulses of current one at a time in sequence from the office to the station over said line wire, a series of movable devices at the station, a series of indicators at the office including one for each device, means at the station for selectively controlling the length of each impulse and of each interval between impulses of said series, means at the office for selectively controlling the relative polarity of each of said impulses, means for controlling said devices each in accordance with the relative polarity of a selected impulse of said series, means for controlling certain of said indicators of said series each in accordance with the relative length of a selected impulse of said series, and means for controlling the remaining indicators of said series each in accordance with the relative length of a selected interval between impulses of said series.

2,155,562
DIFFERENTIAL PINION GAUGE
Arthur E. Price, Jackson, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a corporation of Michigan
Application September 26, 1938, Serial No. 231,683
4 Claims. (Cl. 33—181)

1. A pinion setting gauge comprising in combination a spindle, gauge mechanism supported by said spindle intermediate the ends thereof, said gauge mechanism including indicatng means and a part adjustably movable in a direction normal to the axis of the spindle, sleeves of sub-

stantial length compared to that of half the length of the spindle mounted on said spindle on each side of the gauge mechanism and capable of end-for-end reversible mounting thereon, a sup-



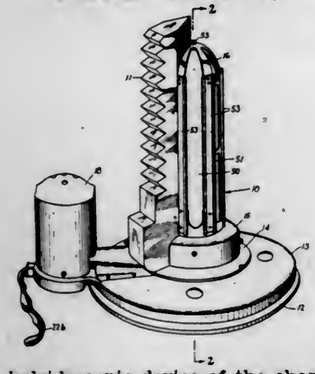
porting seat having an arcuate peripheral portion slidably mounted on each sleeve adjacent an end thereof, and means for positively positioning said seats upon said sleeves in definite axial relation thereto.

2,155,563

KALEIDOSCOPIC DEVICE

Wilhelm Schmidt, Berlin-Schmargendorf, Germany, assignor to Erika Annemarie Mulert, New York, N. Y.

Application March 26, 1938, Serial No. 198,244
5 Claims. (Cl. 40—77)



1. A kaleidoscopic device of the character described comprising a rotatable frame and means for rotating the same, a plurality of displays having transparent areas according to the image to be produced supported on said frame and rotatable therewith, a stationary light source mounted within said frame, movable means for confining the light to a single one of said displays, and clutch means controlled by the rotation of said frame to move said light confining means stepwise with respect to said frame to illuminate successively said displays.

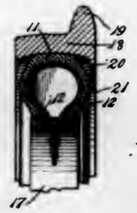
2,155,564

WHEEL AND TIRE ASSEMBLY

Henry F. Schippel, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application February 14, 1936, Serial No. 63,872
4 Claims. (Cl. 295—12)

2. A wheel and tire assembly comprising, in combination, a cord-reinforced pneumatic tire mounted on a rim and having all the reinforcing elements including the cords in the greater part of the active portion of the tire disposed in substantially radial positions only, and a metal ring for transmitting accelerating and braking forces along the tread portion of the tire, said reinforc-



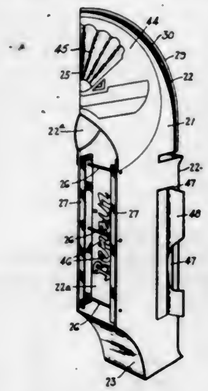
ing elements by virtue of their solely radial disposition in the tire being effective to permit the descent of the rim with relation to the tread portion of the tire under load without substantial downward pull by said elements on the tread portion of the tire at the fore and aft, axle-high positions of the tread.

2,155,565

PATTERN FOR KALEIDOSCOPIC DEVICE

Wilhelm Schmidt, Berlin-Schmargendorf, Germany, assignor to Erika Annemarie Mulert, New York, N. Y.

Application March 26, 1938, Serial No. 198,245
17 Claims. (Cl. 40—77)



1. A pattern for a kaleidoscopic device, comprising a casing of opaque material, transparent areas in the walls of said casing, arranged thereon according to the design to be produced, whereby said pattern when illuminated and rotated rapidly will produce a luminescent image of the design.

2,155,566

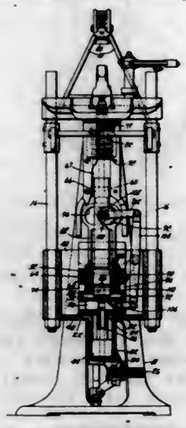
FASTENING-INSERTING MACHINE

Thomas H. Seely, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 10, 1937, Serial No. 158,387
39 Claims. (Cl. 1—32)

1. In a fastening-inserting machine, a work-support, fastening-inserting mechanism co-operating therewith, fluid-pressure mechanism for

imparting to the inserting mechanism its operating movement, and means movable under the



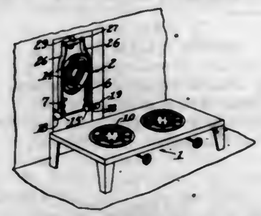
power of the machine for stopping such operating movement at a predetermined point.

2,155,567

WATER HEATER

Jess C. Sherrick, Columbus, Ohio

Application March 10, 1937, Serial No. 130,043
4 Claims. (Cl. 126—53)



3. In a water heater adapted to be connected with a pair of spaced axially aligned pipe sections, a frame having spaced arm members mounted at one end for pivotal movement about the axis of said pipe sections, a hand grip joining the opposite ends of said arm members, an inverted pan-like casing secured to the intermediate portions of said arms, and a water-receiving coil disposed within said casing and having the inlet and outlet ends thereof joined by means of swivel connections with said pipe sections.

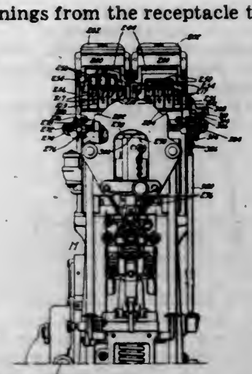
2,155,568

FASTENING-DISTRIBUTING MECHANISM

John F. Standish, Winthrop, and Lester S. Macdonald, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application May 28, 1937, Serial No. 145,320. Divided and this application October 1, 1937, Serial No. 166,862
32 Claims. (Cl. 1—39)

1. In a fastening-distributor, a raceway, a nail-receptacle provided with a bottom wall hinged to move between opposite side walls, means for releasably securing the bottom wall to move between the side walls from a closed fastening-retaining position to an open fastening-discharging position, in the latter position the bottom and side walls serving as a fastening-chute, and means situated at the hinge of the bottom wall for elevating fastenings from the receptacle to the race-



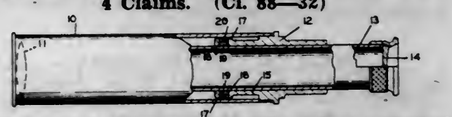
way and to which said bottom wall delivers in its closed position.

2,155,569

TELESCOPE OR THE LIKE

Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 27, 1936, Serial No. 98,214
4 Claims. (Cl. 88—32)



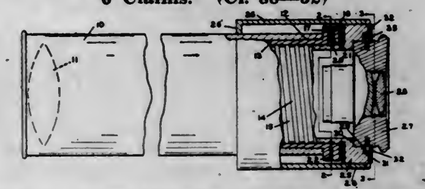
1. In a telescope an outer tube, a lens mounted in said tube adjacent one end thereof, a reducing sleeve mounted in the other end of said tube, a smooth-walled inner tube slidably mounted within said sleeve, a lens mounted in said inner tube, said sleeve having a slot therein within said outer tube, a friction element slidably mounted in said slot and a spring ring surrounding said sleeve for urging said element against said inner tube.

2,155,570

FOCUSING MECHANISM

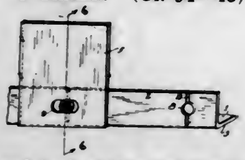
Otto E. Trautmann, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application October 27, 1937, Serial No. 171,245
6 Claims. (Cl. 88—32)



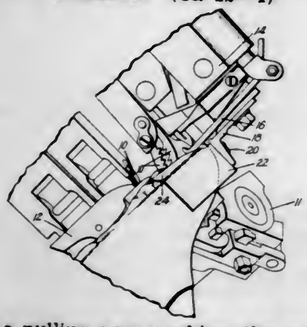
1. In an optical instrument, a focusing mechanism comprising two telescoping tubes, one of said tubes having a helical groove in the surface next to the second tube, the second tube being provided with a plurality of slots extending substantially radially therethrough, a member slidably mounted in one slot, means for urging said member into said groove, a friction element slidably mounted in each of the other slots, and means for urging each friction element into engagement with the first-named tube each friction element being wider than the groove so that said elements will not enter the groove.

2,155,571
ROAD TOOL
Jasper G. Tullis, Cleveland, Ohio, assignor to The Cleveland Formgrader Company, Cleveland, Ohio, a corporation of Ohio
Application February 13, 1937, Serial No. 125,538
3 Claims. (Cl. 94—45)



1. In a road tool of the character described, a sheet metal channel having a web portion and lateral upturned flanges along the lateral margins thereof, each of said flanges having a plurality of apertures therethrough spaced longitudinally of the channel, slots extending from the upper ends of the flanges substantially to the upper face of said web portion and intersecting the apertures, face plates disposed in juxtaposition with the outer faces of said flanges and extending lengthwise of the channel, said plates having apertures registering with the apertures in the flanges, and means received through the registered apertures for clamping said plates to said flange, and said plates terminating at their lower edges substantially in the plane of the bottom face of the web member.

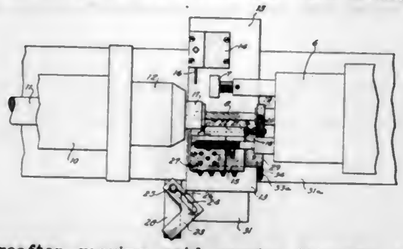
2,155,572
MANUFACTURE OF SHOES
Harold Warren, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 1, 1937, Serial No. 172,120
5 Claims. (Cl. 12—4)



4. In a pulling over machine, the combination with means for pulling an upper over a last at the end and the sides of the forepart of the last, of an end wiper for wiping the marginal portion of the upper inwardly over an insole on the last at the end of the toe, and means movable only lengthwise of the last for bending the marginal portion of the upper inwardly over the insole at the corners of the toe.

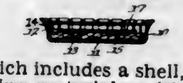
2,155,573
MACHINE TOOL
Elmer J. Wells, Alhambra, Calif.
Application January 11, 1938, Serial No. 184,398
7 Claims. (Cl. 29—39)

1. In mechanism of the character disclosed, the combination of a tool holding turret, rotatable gripping means for the stock, mechanism for moving longitudinally said turret toward and away from stock carried by said gripping means, a finishing tool carrier, means for feeding said carrier longitudinally forward toward said stock in the thrust of the turret, and cam means for



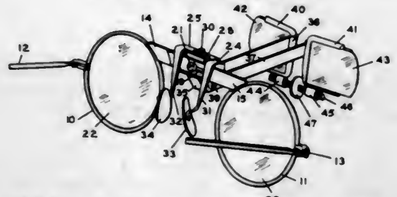
thereafter moving said carrier laterally away from said stock and back to its initial position.

2,155,574
CLOSURE
Scott Ira Wilbur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application May 29, 1936, Serial No. 82,635
1 Claim. (Cl. 215—38)



In a cap which includes a shell, a cushion liner, a layer of facing material positioned on the latter and a stratum of adhesive interposed between the facing and the liner and uniting the two, said stratum comprising between substantially three and ten parts of ethyl ester of shellac to one part of a compound selected from a group consisting of cellulose esters and vinyl resins.

2,155,575
BINOCULAR LOUPE
Carl H. O. Wittig, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 24, 1937, Serial No. 138,781
4 Claims. (Cl. 88—41)

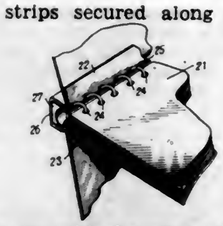


1. A binocular loupe comprising a block, a pair of eyewires, a bar extending from the nasal side of each eyewire, means for slidably securing said bars to said block whereby the distance between said eyewires may be vared, a pair of pad arms, a nose pad at one end of each pad arm, a second bar at the other end of each pad arm, means for slidably securing said second bars to said block whereby the space between said nose pads can be varied, a support secured on the front end of said block and projecting forwardly therefrom and a pair of magnifying lenses secured on the outer end of said support.

2,155,576
LEAF ASSEMBLY BINDING
Morris Wolfson, Brooklyn, N. Y., assignor of one-half to Fay Margolis, New York, N. Y.
Application September 12, 1936, Serial No. 100,457
5 Claims. (Cl. 281—29)

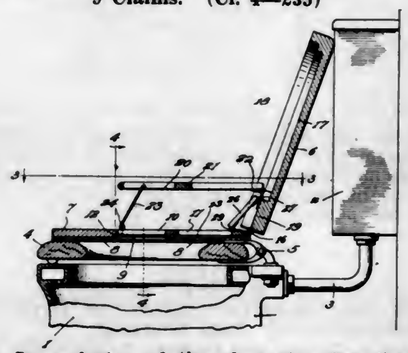
1. In combination with a leaf assembly binding, a cover for said leaf binding, a shaped back member for shaping the back of said cover, said back member being interposed between the cover back and the binder of said leaf assembly, and

attaching strips secured along opposite mar-



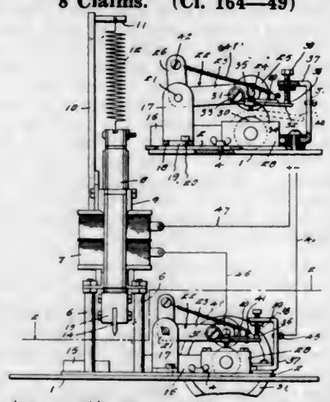
ginal edges to said shaped back member and leaf binder respectively.

2,155,577
CLOSET SEAT FOR INFANTS
George J. Zaio, Iron Mountain, Mich.
Application July 5, 1938, Serial No. 217,516
9 Claims. (Cl. 4—235)



1. In a device of the character described, a main seat, a cover, an auxiliary seat between the cover and the main seat and formed with an opening for registering with an opening in the main seat when the auxiliary seat is in a lowered position upon the main seat, a closure for the opening in the auxiliary seat, and a connection between the closure and said cover for imparting movement to the closure into and out of closing relation to the opening in the auxiliary seat when the cover and the auxiliary seat are moved relative to each other.

2,155,578
CUTTING MACHINE
Thomas A. Anderson, Hartwell, Ga.
Application September 28, 1937, Serial No. 166,222
8 Claims. (Cl. 164—49)

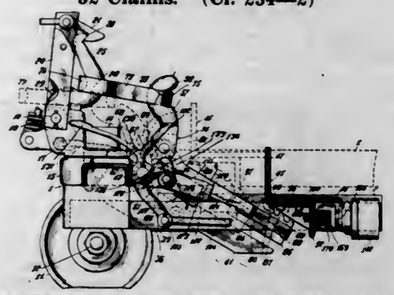


8. A tape cutter comprising a pair of rollers disposed one upon the other, means for turning said rollers, a frame supporting one of the rollers for oscillatory movement away from the other roller, means for guiding tape material between the rollers to be gripped thereby, the gripped tape raising the said one of the rollers, a knife disposed in spaced relation with the rollers and supported for movement across the path of travel of the tape, electrical means coupled with the knife which when energized moves the knife for a cutting operation and switch means controlling the flow of current to said electrical means, said switch means being closed when said tape is engaged between and maintaining said one roller raised to energize said electrical means for the actuation of said knife to cut the tape.

2,155,579
DIAZODINITROPHENOL AND METHOD OF PREPARATION OF THE SAME
Leon W. Babcock, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1937, Serial No. 181,028
5 Claims. (Cl. 260—141)

1. The method for producing diazodinitrophenol in a free-flowing form which includes diazotizing a picramate in the presence of a nitrite and water by adding thereto acid in atomized form beneath the surface of said picramate, nitrite and water.

2,155,580
LIFT TRUCK
Arthur M. Barrett, Winnetka, Ill., assignor to Barrett-Cravens Company, Chicago, Ill., a corporation of Illinois
Application February 25, 1935, Serial No. 8,029
Renewed February 7, 1936
32 Claims. (Cl. 254—2)



1. A lift truck comprising wheeled supporting means, a lifting frame movably connected therewith, means for raising said frame including a lifting arm movably mounted on said supporting means, a link operatively connected with said arm, pawl and ratchet mechanism carried by said link and said lifting frame, and a spring pressed member operatively holding said link up in position with said ratchet means in engagement, whereby oscillations of said lifting arm serve to raise said frame, and means for rocking said spring pressed member away from said link to permit the latter to fall away from said lifting frame and thereby disengage said ratchet mechanism.

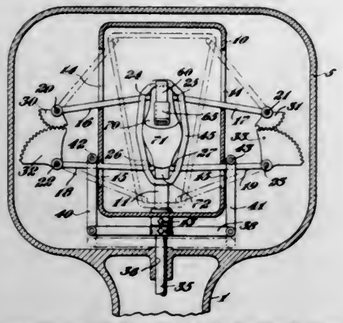
19. A lift truck comprising wheeled supporting means, a lifting frame movably connected therewith, and hydraulic means for checking the descent of said frame and comprising a generally horizontally disposed cylinder and a piston disposed therein having a restricted bore therein communicating with the pressure side of the piston at the upper part of the latter so as to provide for the removal of any entrapped air.

2,155,581

MACHINE FOR USE IN APPLYING HEELS TO SHOES

Edward H. Bastable, Clifton, Mass.

Application January 3, 1938, Serial No. 183,040
5 Claims. (Cl. 12—1)



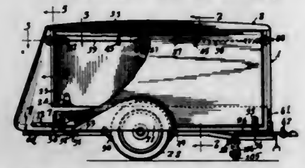
1. A machine of the class described comprising a support adapted to receive and hold in fixed position an assembled heel and lasted shoe, a plurality of relatively movable fingers disposed in spaced relation about said support, and means for effecting relative movement of said fingers in a direction away from each other and away from said support, said fingers normally being arranged to fit within and support an expansible, self-contractible, clamping member so as to cause the clamping member to expand to an extent sufficient to permit an assembled heel and lasted shoe upper to be positioned on said support.

2,155,582

FOLDING TRAILER

Charles L. Bond, Los Angeles, Calif.

Application December 23, 1936, Serial No. 117,346
12 Claims. (Cl. 296—23)



1. In a trailer, the combination of a body having side floors with means for connecting the same to the body with the side floors in a substantially horizontal position, wheels for the body located under the extended side floors and movable fenders mounted over the wheels, said side floors operating to rest on the fenders when the same are in their extended position, and latch means for normally supporting said fenders clear of the wheels and releasable to permit said fenders to rest on the wheels, whereby the weight of said side floors, when they are in extended position, is transferred through the fenders to the wheels.

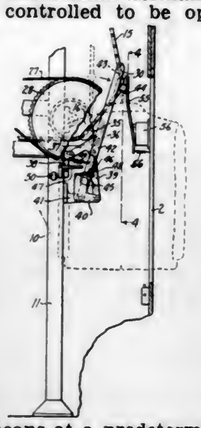
2,155,583

MERCHANDISE DISPLAY APPARATUS

Benjamin H. Bonnar, Toledo, Ohio; Alys E. Bonnar, Toledo, Ohio, executrix of Benjamin H. Bonnar, deceased, assignor to Alys E. Bonnar, Toledo, Ohio

Application February 9, 1938, Serial No. 189,640
11 Claims. (Cl. 211—1.5)

3. In a display apparatus of the class described, an endless conveyor having a plurality of merchandise carrying cross bars in predetermined spaced relation therearound, means for driving and guiding said conveyor, cam means on the conveyor in association with each cross bar, and bar advancing mechanism normally inoperative and manually controlled to be operated by a



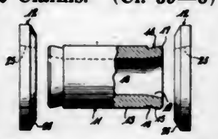
selected cam means at a predetermined point in a movement of the conveyor to effect a predetermined movement of the associated cross bar laterally of the path of travel of the conveyor to "presenting" position.

2,155,584

METHOD OF MAKING BUSHINGS AND BUSHED CHAIN LINKS AND THE ARTICLES PRODUCED BY SAID METHOD

Jerrus M. Bryant and Herbert A. McAninch, Indianapolis, Ind., assignors to Link-Belt Company, a corporation of Illinois

Application April 19, 1938, Serial No. 202,976
20 Claims. (Cl. 59—8)



1. A method of constructing bushed chain links which comprises the steps of forming a bushing with an annular exterior groove adjacent each end and with an annular internal relief area at each end of its bore which extends axially of the bushing a distance substantially coextensive with the thickness of a side bar to be applied to the bushing, forming a pair of side bars with pitch holes, the walls of said pitch holes having a contour corresponding in shape with the shape of the grooved end portions of the bushing, and press fitting the ends of the bushing into the side bar pitch holes to cause the bushing grooves and the pitch hole contours to lock the bushing and side bars against separation and to cause the tightness of the press fit to prevent turning of the bushing as well as to effect flow of the material of the bushing ends radially inwardly to fill in said relief areas.

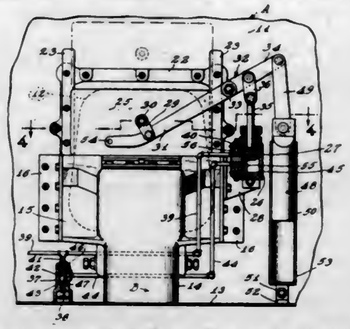
2,155,585

FIREDOOR OPERATING MECHANISM

Charles R. Davison, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware

Application October 6, 1937, Serial No. 167,497
9 Claims. (Cl. 110—177)

1. In a furnace having an upright wall with a firing opening therein and a frame for said opening, the combination of a door mounted for vertical sliding movement on said frame, a lever pivotally connected to said door and extending therefrom in a direction transverse with respect to the direction of travel of said door, said lever being fulcrumed intermediate its ends, a counterweight suspended from the end of said lever opposite that end connected to the door, an upright sleeve mounted at its lower end on a support, said sleeve receiving said counterweight, and power actuated means operatively connected to said lever for swinging said lever about its fulcrum to raise and lower said door.

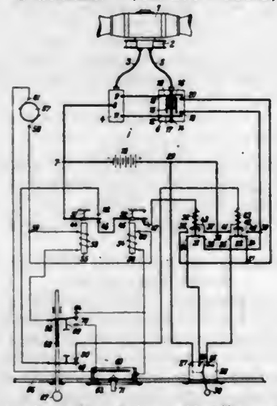


2,155,586

ARRANGEMENT FOR AUTOMATICALLY REGULATING THE PITCH OF VARIABLE PITCH PROPELLERS

Heinrich Ebert, Frankfort-on-the-Main, Germany, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Frankfort-on-the-Main, Heddernheim, Germany, a corporation of Germany

Application October 15, 1936, Serial No. 105,729
In Germany October 17, 1935
5 Claims. (Cl. 170—135.6)



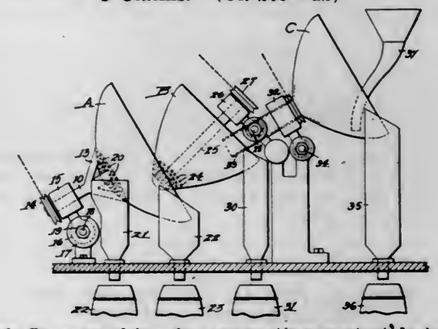
1. In a system for automatically regulating the pitch of variable pitch propellers, the combination comprising a propeller having blades of adjustable pitch, an electrically operable regulating member for increasing and decreasing said pitch, a variable source of electric current having a voltage dependent upon the speed of the propeller, a constant source of current, magnetic switches adapted to be actuated by said constant source of current to operate said regulating member, at least one voltage switch responsive to said variable source of current to actuate said magnetic switches, and an adjustable resistance intermediate to said variable source of current and said voltage switch for adjusting the speed at which operation of said switch is initiated.

2,155,587

MACHINE FOR SEPARATING SOLID MATERIALS

Franklin N. Fairbank, Hopedale, Mass., assignor of one-sixth to Howard Sears and one-sixth to Everett D. Coffin, both of Hopedale, Mass., one-sixth to Charles J. Shanahan, Milford, Mass., one-sixth to Henry Malsch and one-sixth to Edward T. Tighe, both of New Rochelle, N. Y.

Application October 7, 1937, Serial No. 167,763
3 Claims. (Cl. 209—12)



1. In a machine for separating materials into different sizes, the combination of a rotary separator having an inside surface curved in two directions at right angles to each other and having a comparatively narrow closed but finely perforated end and a much larger open end, said curved surface along the bottom being higher than the bottom of the open end, means for introducing the material to be separated into the open end of said separator, means for rotating the separator, whereby the material will tend to flow along the lower side toward the small end, a second curved inner surfaced separator having a comparatively wide construction with a large open end and an obtuse closed end opposite, provided with perforations, and means for rotating the second separator, whereby there is a tendency for the material operated on thereby to move up the wall of the second separator by centrifugal force.

2,155,588

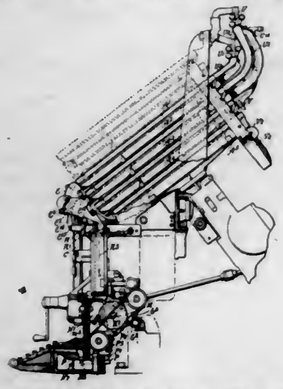
TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINE

Frank C. Frolander, Elizabeth, N. J., and Harold A. Burt, St. Albans, N. Y., assignors to Mergenthaler Linotype Company, a corporation of New York

Application April 28, 1937, Serial No. 139,436
32 Claims. (Cl. 199—20)

1. In a typographical composing machine, the combination with a pair of superposed inclined matrix magazines provided each with a set of escapements, of an assembler entrance including a relatively fixed section to receive matrices discharged from either magazine and a pivoted section adjustable to two different positions to make and break an operative connection between the fixed section and either one of the magazines, escapement actuating devices carried by said pivoted section and movable therewith to two different positions to make and break an operative connection with the escapements of either

magazine according to the position of adjustment of the pivoted section, said escapement actuating devices being in non-radial relation with the pivotal axis of the pivoted section, and means for



maintaining a radial relation of said escapement actuating devices with an axis offset from said pivotal axis as said section is adjusted from one position to another.

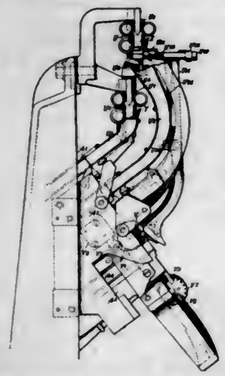
2,155,589

TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINE

Frank C. Frolander, Elizabeth, N. J., and Harold A. Burt, St. Albans, N. Y., assignors to Mergenthaler Linotype Company, a corporation of New York

Original application April 28, 1937, Serial No. 139,436. Divided and this application December 2, 1937, Serial No. 177,742

8 Claims. (Cl. 199—40)



1. A typographical composing machine including, in combination, a series of three or more superposed magazines containing matrices provided with notches differently located for different fonts, a frame for supporting the magazines and movable to bring different pairs thereof into operative position, a pair of matrix distributors serving the magazines in operative position, means for routing the matrices according to font for distribution by the distributors, said means including a single element adjustable to different positions so that for a given pair of magazines in operative position it will register with the notches in the matrices of one magazine and be out of register with the notches in the matrices of the other magazines, so as thereby to separate the matrices of the different fonts for proper routing to their respective distributors, and automatic means for adjusting said element as different pairs of magazines are brought into operative position.

2,155,590

VULCANIZABLE PLASTICIZER

Benjamin S. Garvey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 2, 1936, Serial No. 77,609

40 Claims. (Cl. 260—17)

1. A process which comprises mixing with a plasticizable solid a compound compatible therewith which contains the polymerizable group

$$\diagdown C{=}CH_2$$

and at least one other polymerizable olefinic double bond separated therefrom by at least one intervening atom so that the double bonds do not form a conjugated system, and vulcanizing the composition by polmerizing the second compound.

2,155,591

VULCANIZABLE PLASTICIZER

Benjamin S. Garvey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Original application May 2, 1936, Serial No. 77,609. Divided and this application May 2, 1936, Serial No. 77,610

30 Claims. (Cl. 260—28)

1. A process which comprises mixing with a resinous material of low molecular weight a compound compatible therewith which contains the polymerizable group

$$\diagdown C{=}CH_2$$

and at least one other polymerizable olefinic double bond separated therefrom by at least one intervening atom so that the double bonds do not form a conjugated system, and vulcanizing the composition by polymerization of the second compound.

2,155,592

PREVENTING ADHERENCE OF CONGEALED SUBSTANCES TO METALS

Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Corporation, a corporation of Delaware

No Drawing. Application June 17, 1937, Serial No. 148,660

5 Claims. (Cl. 75—22)

1. An article to which a liquid does not tend to adhere upon congealing in contact therewith which comprises finely-divided metal particles welded together with a considerable proportion of voids therebetween forming within the article a pore structure that communicates with the surface of the article, said pore structure being impregnated with a substance that is solid at ordinary temperatures and at the temperature of congelation but fluid at more elevated temperatures and that is substantially insoluble in and repellant of said liquid, the surface of the article having a coating of said substance, said coating being capable of repeated replenishment by exudation of the substance from the pore structure when the article is heated to a temperature above the melting point of the substance.

2,155,593

PREVENTING ADHERENCE OF CONGEALED SUBSTANCES TO METALS

Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 5, 1937 Serial No. 172,913

2 Claims. (Cl. 75—22)

1. In a method of making a structure to which a liquid does not tend to adhere strongly upon congealing in contact therewith, the improvement which comprises compressing a mixture of aluminum powder particles with a volatile binder to form a coherent mass, and heating said mass in juxtaposition with a rough-surfaced substantially non-porous metallic reenforcing member, while compressing the two together under a force of at least 100 pounds per square inch, the heating being conducted at a temperature such that the volatile binder is expelled and the particles become bonded to each other and the mass becomes bonded to the reenforcing member by diffusion welding, whereby a reenforced porous structure is formed in which substantially all of the pores communicate with a surface of the structure in contact with which said liquid may congeal, and impregnating said porous structure by introducing thereinto a substance that is solid at ordinary temperatures and at the temperature of congelation but molten at moderately elevated temperatures in which condition it tends to exude from the pore structure during repeated heating.

2,155,594

ELECTRIC SWITCH INDEXING MECHANISM

George Hegeman Hart, West Hartford, Conn.

Application June 5, 1937, Serial No. 146,620

7 Claims. (Cl. 74—527)



1. In an electric switch, indexing means comprising a rotary operating member, an indexing plate fixed to said member and having lobes with interposed depressions, a second indexing plate on said member and having lobes corresponding to and of a greater radial extent than the lobes of said first plate, said second plate being adjacent said first plate and having a limited lost motion movement relative to said first plate and member, and a member resiliently urged against the perimeters of said plates.

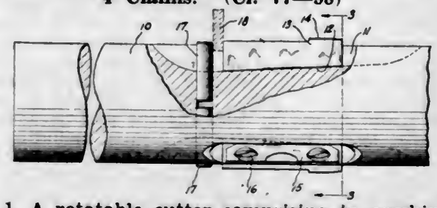
2,155,595

ROTATABLE CUTTING TOOL

John J. Harten, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey

Application May 5, 1937, Serial No. 140,973

4 Claims. (Cl. 77—58)



1. A rotatable cutter comprising in combination, a body member having longitudinally extending and inclined recesses, fixed projections within said recesses adjacent an end thereof, cutting members fitting within said recesses, said members having an end face adjacent a projection, and securing means for said members whereby said members may be clamped in adjusted positions within said recesses with their end faces at predetermined distances from said projections.

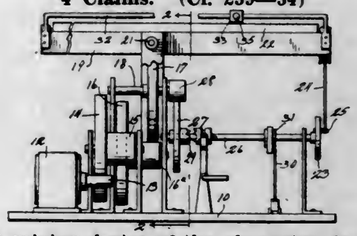
2,155,596

MEANS FOR MIXING SAMPLES

Ben M. Hawes, Santa Cruz, Calif.

Application June 21, 1938, Serial No. 215,053

4 Claims. (Cl. 259—54)



1. A mixing device of the character described, including a roller supporting frame, a pair of longitudinally extending rollers mounted thereon and adapted to support a cylindrical container, a drive wheel for said rollers disposed in the same plane as the pivotal axis of the frame and upon which drive wheel rollers oscillate, power actuated means for driving the wheel, and power actuated means for securing an oscillation of the frame in a vertical plane.

2,155,597

METHOD OF REDUCING THE AREA OF FABRICS AND MAKING ARTICLES THEREFROM

Leslie H. L'Hollier, Waltham, and Fred Wray, Watertown, Mass., assignors to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

Application July 3, 1935, Serial No. 29,680

2 Claims. (Cl. 12—142)



1. The method of making stretchable composite sheet material which comprises adhesively uniting directly to a face of a fabric a layer of unvulcanized water-containing rubber composition freshly deposited from a water dispersion thereof, and effecting shrinkage of the rubber layer by drying it while the fabric is permitted to contract to undergo a substantial reduction of area by the compacting action of the shrinking rubber to provide stretchability of the composite materials at least commensurate with the said reduction of area.

2,155,598

PRODUCTION OF SLIVERS FROM TEXTILE FIBERS

Thomas William Holt, Woodley, Stockport, and John Blundell Butler, Wilmslow, England

Application May 22, 1937, Serial No. 144,262

In Great Britain May 29, 1936

3 Claims. (Cl. 19—150)

1. Apparatus for the production of slivers of

textile fibers of a high degree of uniformity, comprising in combination a revolving arm type beater, teeth on the ends of said arms, means for adjusting the angle of setting of said teeth relatively to the plane of rotation of said arms, means for varying the extent of projection of said teeth from the ends of said arms, a conveyor to feed textile fibers in a uniform layer to said beater, suction cages disposed to receive said



fibers on passing from said beater, drafting rollers to act on the said fibers after passing between said suction cages, means to feed the fibers passing from said drafting rollers directly in layer form to a carding machine, said carding machine comprising a rotary cylinder, short, straight spikes projecting therefrom and rollers with wire teeth co-operating with said cylinder, and means to form the fibers passing from said carding machine into a sliver.

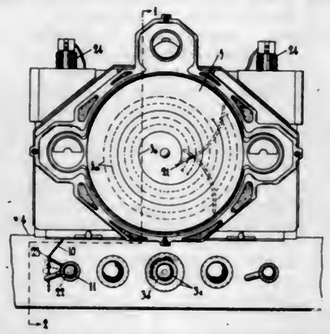
2,155,599
BOOT OR SHOE
Oakley Hutchison, Pedro, Ohio
Application December 9, 1936, Serial No. 115,036
2 Claims. (Cl. 36—45)



1. An article of footwear for outdoor use comprising a substantially rigid sole and heel, a substantially flexible upper secured to the sole, a leg portion of flexible material secured to the upper at a point spaced above the lower end of the leg portion to form a depending flap on the exterior of the upper, said flap being adapted to extend over an overshoe, a buckle secured to the flap on one side of the upper, and a strap secured to the flap on the other side of the upper and adapted to extend beneath the arch portion of the sole to adjustably engage the buckle, whereby the strap will hold the flap in position when the footwear is worn without an overshoe and hold the flap and overshoe in position when an overshoe is worn on the footwear, said article of footwear having the appearance of the usual high top footwear when worn without the overshoe.

2,155,600
SCALE AND INDICATING MEANS FOR USE IN CONNECTION THEREWITH
Keith Sandison Irvine, Wellington, New Zealand
Application August 9, 1937, Serial No. 158,263
In New Zealand September 9, 1936
6 Claims. (Cl. 116—124.1)

1. In a device for varying and indicating the angular position of a rotatable member, a translucent dial having a calibrated scale course thereon in the form of a spiral, a source of light, a spindle, a front plate fixed to the spindle between the dial and the light source, a back plate rotatably mounted on the spindle between the front plate and the source of light, each plate having an arcuate shaped slot therein, said slots being arranged to cross and provide a pointed aperture permitting light from the source to pass there-



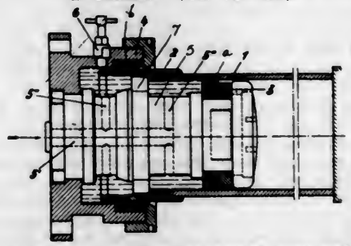
through, means for rotating one plate with respect to the other plate whereby the pointed aperture will be moved radially and circumferentially to follow a spiral course corresponding to the scale course of the dial.

2,155,601
BAILER
Glenn D. Johnson, Compton, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application August 22, 1936, Serial No. 97,387
11 Claims. (Cl. 166—19)



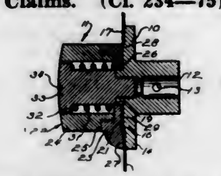
1. A well bailer comprising, a body to be run into the well to receive fluid, valve means for controlling the admission of fluid to the body including, a valve seat shiftable in the body, a valve for engaging with the seat and sealing against the hydrostatic pressures in the well, a releasable means for holding the valve closed, the seat being shiftable by the hydrostatic pressures to follow the valve in the event the said releasable means is distorted by the hydrostatic pressures on the valve to allow shifting of the valve, and means for releasing the said releasable means, the last mentioned means including a shiftable part projecting from the body to engage the bottom of the well and engageable with the said releasable means to release the same upon downward movement of the body when said part is engaging the bottom of the well.

2,155,602
APPARATUS FOR TESTING PIPE CONNECTIONS
Jakob Keulers, Hilden, Germany, assignor to the firm Deutsche Röhrenwerke Aktiengesellschaft, Dusseldorf, Germany
Application October 15, 1937, Serial No. 169,322
In Germany October 27, 1936
1 Claim. (Cl. 73—51)



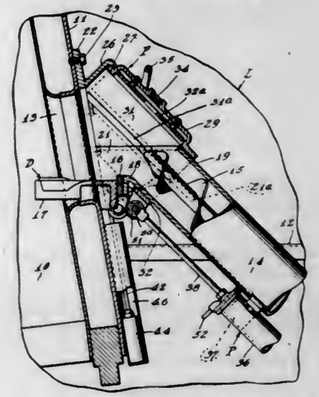
Apparatus for testing the tightness of a joint between one end of a pipe and a connecting member attached thereto comprising, a packing body adapted to be inserted in said end of said pipe, a packing sleeve carried by the packing body so as to engage the interior of the pipe, a head member embracing the connecting member, a second packing sleeve carried by said head member engaging the exterior of the connecting member, a body member having an axial bore connecting said packing member and said head member so as to prevent axial movement of the packing member with respect to the head member, said body member being smaller than the pipe and having a flange providing two spaces between said packing sleeves, and said body member having radial openings therein connecting said spaces with the axial bore whereby fluid pressure may be introduced into said spaces.

2,155,603
NONREMOVABLE CHART HOLDER
Maximilian Klein, Sellersville, and Ernest H. Grauel, Perkasie, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Application March 16, 1937, Serial No. 131,264
3 Claims. (Cl. 234—75)



3. In combination, a chart having a central opening and a plurality of notches extending into said opening; a chart holder having an annular flange for supporting the portions of said chart between said notches and a concentric member extending through said central opening; a sleeve-like member surrounding said concentric member and having a plurality of rigid outwardly extending lugs thereon for cooperation with the notches in said chart when the chart is brought into its initial assembled relation with respect to said hub and sleeve-like member and for engaging said portions of said chart upon axial and rotational movement of said member, and resilient means engaging said concentric member and said sleeve-like member for urging said sleeve-like member toward said annular flange to yieldingly grip said portions of said chart between said lugs and said annular flange to prevent relative movement of said chart and said holder.

2,155,604
LOCOMOTIVE STOKER
Joseph J. Kress, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application January 20, 1938, Serial No. 185,824
4 Claims. (Cl. 110—101)

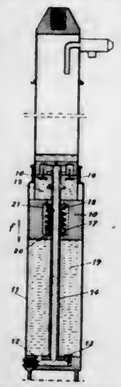


1. In a locomotive firebox having a backwall with a firing opening therein, the combination comprising a stoker discharge conduit arranged to communicate with said firing opening and having a rearwall and side walls extending above the lower edge of said opening, a frame embracing said opening including a pair of side members and a top wall extending rearward of said side members, a door including a pair of side portions each of which is arranged to fit against a corresponding side member of said frame, and a rearwall arranged to form an approximate upward continuation of the discharge conduit rearwall, the upper portion of said door being open in upward extent and the upper edge of the rearwall thereof arranged to fit against the rear portion of the top wall of said frame.

2,155,605
SHOCK ABSORBER PROVIDED WITH A STRESS LIMITING DEVICE
René Lucien Levy, Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland
Application January 30, 1937, Serial No. 123,264
In France February 24, 1936
3 Claims. (Cl. 267—64)

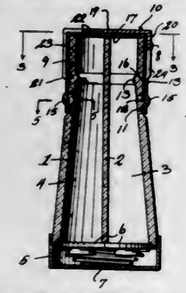
1. In a shock absorber for the landing chassis of airplanes, a cylinder, a piston movably mounted in said cylinder in response to the force to be cushioned and providing a compartment on each side of the piston, said piston having a central opening, liquid in said compartments, a conduit fixed to the base of said cylinder and extending through said piston, said conduit having a passage so as to provide an opening communicating from the first compartment into the interior of said conduit so that relative movement of said piston towards the base of said cylinder will be cushioned by the liquid passing from the first compartment through said passage, a valve arranged in the opening of said piston embracing said conduit, yieldable means urging said valve to a position to normally close the opening

in said piston, the force of said yieldable means being such that the valve is opened to provide an additional passage for the liquid from the first compartment only when the pressure therein



reaches a predetermined value, and said conduit having a longitudinally extending groove of smaller area than either of said passages to permit return of the liquid to the first compartment on the re-bound movement of the piston.

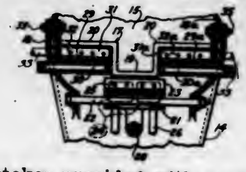
2,155,606
CONDIMENT SHAKER TOP
Miles C. Thomas Lewis, San Francisco, Calif.
Application April 14, 1938, Serial No. 202,053
3 Claims. (Cl. 65—45)



1. A condiment container, comprising a receptacle body having an open top, a cylindrical sleeve insertible over the open top and having a top wall covering the open top of the receptacle, said sleeve top wall having a group of outlet apertures therethrough, coacting means between the wall of the receptacle and the wall of the sleeve for retaining the sleeve in position on the receptacle, and a rotary cap carried by the sleeve and having a top wall and a skirt portion, said cap skirt portion encircling and snugly receiving a portion of said sleeve, the top of said rotary portion having an opening coinciding in size with the group of apertures and said skirt portion having engagement with the sleeve facilitating the turning of the rotary portion but preventing the separation of the rotary and sleeve portions, the said skirt portion of the rotary portion of the cap having a longitudinal opening therethrough which merges with the opening in the top thereof and the edges of the opening of the skirt portion closely engaging the surface of the underlying sleeve and operating to maintain the adjacent surface of the sleeve free of adhering condiment.

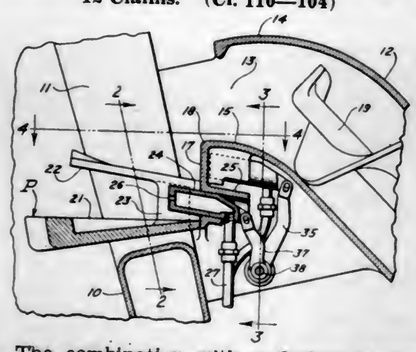
2. A condiment receptacle, comprising a hollow body having an open end and having a partition dividing the body into two chambers, a cylindrical sleeve adapted to receive said open end of the body and having an end wall disposed across said body end, interlocking means between the sleeve and the body for detachably holding the sleeve on the body, said sleeve having an encircling groove between said means and said wall, and said wall having two groups of apertures each arranged to overlie one of said chambers, and a rotary cap providing a top plate portion and a straight skirt portion, said plate portion being designed to lie upon said wall and said skirt portion encircling the part of the sleeve between the wall and said groove, and an inturned tongue at the free edge of said skirt portion engaging in said groove to retain the cap against removal from the cylinder but permitting the rotation of the cap on the cylinder, said plate having a single opening therein designed for selective disposition over the said groups of apertures, and said sleeve and skirt each having a longitudinal slit facilitating the diametrical enlargement of both to facilitate their application to the receptacle.

2,155,607
FUEL DISTRIBUTING APPARATUS
Henry E. Lippert, Pittsburgh, Pa.
Application April 8, 1936, Serial No. 73,295
15 Claims. (Cl. 110—104)



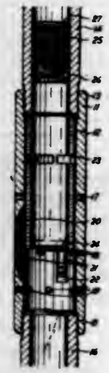
12. In a stoker provided with a conduit member having a mouth portion, an approximately horizontal fuel directing distributor element arranged medially below said mouth portion and extending forwardly therefrom, a plurality of approximately horizontal fuel supporting distributor elements spaced above said first-named element, one of said second-named elements being disposed at each side of said first-named element, and separate means for projecting fuel over said elements.

2,155,608
FUEL DISTRIBUTING APPARATUS
Henry E. Lippert, Pittsburgh, Pa.
Application July 11, 1936, Serial No. 90,098
12 Claims. (Cl. 110—104)



1. The combination with a firebox having a firing opening, of a stoker conduit member arranged to deliver fuel to said firing opening, a distributor plate arranged to receive fuel from the delivery end of said conduit member, a wall between said conduit member and said plate in front of which fuel falls from said conduit member onto said plate, a plurality of separated, transversely spaced distributor nozzles arranged to extend through said wall, each of said nozzles having a jet aperture for emitting a blast of pressure fluid to discharge fuel over said plate, and means for varying the distance one of said nozzles extends through said wall independently of the other of said nozzles.

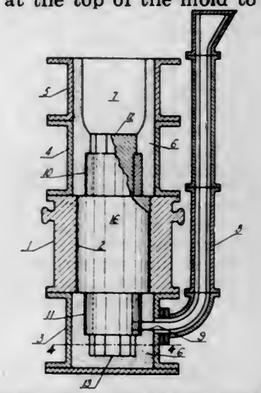
2,155,609
MULTIPLE STAGE CEMENTING
Wallace R. McClendon, Houston, Tex., and William D. Owsley, Duncan, Okla., assignors to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application January 23, 1937, Serial No. 122,012
6 Claims. (Cl. 166—1)



1. Apparatus for use in the multi-stage cementing of oil wells or the like which includes a cylindrical member adapted to be made up with the casing of the well, said member having ports therein, a sleeve within said member, said sleeve having ports therein adapted to be aligned in one position of the sleeve, with the ports in said member, releasable means cooperating with said member and sleeve to hold the ports thereof out of alignment, and releasable means cooperating with said member and sleeve to hold the ports in alignment.

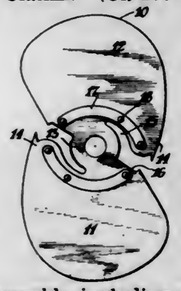
2,155,610
COMPOSITE ROLL
William H. Melaney, Pittsburgh, Pa.
Application July 19, 1938, Serial No. 219,995
2 Claims. (Cl. 22—206)

1. The method of making rolls for metal rolling mills and the like which comprises providing a mold consisting of a metallic matrix portion for casting the main body of the roll, sand portions adjacent to the metal body portion for casting the necks and wobblers of the roll and a down gate and sprue for one of the sand portions, placing sleeve portions of preformed metal in the sand portions of the molds to form the outer portions of the necks thereof, pouring molten metal in the bottom of the mold to form the main body of the roll, displacing said cast fluid metal from the down-gate and sprue of the mold by fluid metal of the character of the preformed sleeve portions, and pouring metal similar to the metal of the sleeve portions in the sink-head at the top of the mold to fill the void



caused by shrinkage in the main body portion of the mold.

2,155,611
FAN
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application August 12, 1937, Serial No. 158,670
7 Claims. (Cl. 170—159)



1. A fan assembly including in combination a cup shaped member formed with spirally extending slots, a body of resilient material comprising a pair of blade portions and a central portion integral with and connecting said blade portions, said blade portions being threaded into said slots and said central portion being disposed within said member, and projections forming a part of said blade portions and overlying and in contact with the outer surface of said member.

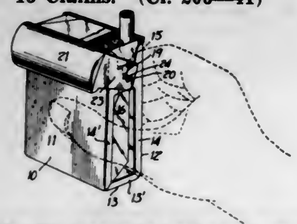
2,155,612
APPARATUS FOR ARRANGING FRUIT HALVES
Fred E. Morris, Vernalis, Calif., assignor to Meridian, Ltd., Los Angeles, Calif., a corporation of Canada
Application May 28, 1937, Serial No. 145,342
14 Claims. (Cl. 198—33)



1. In apparatus of the character described for turning peach halves and the like to positions with their cut sides uppermost, an inclined table formed on its upper side to provide a plurality of

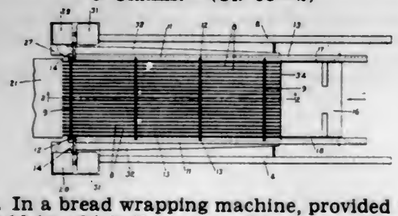
elongated, parallel, trough-like supporting surfaces extending in the direction of incline of the table, said trough-like supporting surfaces being shaped to substantially engage the convex sides of the fruit halves and the lower ends of the trough-like surface being open to permit unobstructed discharge of the halves from the lower end of the table, means for feeding indiscriminately arranged peach halves onto the elevated end of the table, and means for vibrating the table generally horizontally in a direction generally longitudinally of the trough-like surfaces as against transverse movement thereof, whereby the peach halves on the table will be caused to arrange themselves in positions with their convex sides against said trough-like supporting surfaces for movement in said positions downwardly on said surfaces and over the lowered end of the table.

2,155,613
RECEPTACLE
Harry Negbaur, New York, and Robert Nyden, Long Island City, N. Y., assignors to H. Negbaur & Co., Inc., New York, N. Y., a corporation of New York
Application June 29, 1938, Serial No. 216,454
15 Claims. (Cl. 206—41)



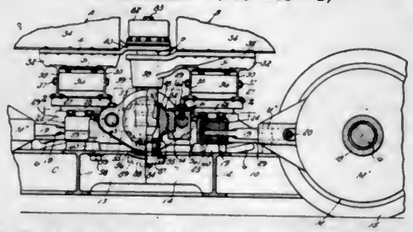
1. A holder for cigarette packages comprising a body member of resilient sheet material having an open upper end adapted to receive a package of cigarettes with the upper end exposed and having sides tensioned to spread away from the sides of the package and opposed flanges adjacent the open end, and a closure member having a portion adapted to cover the exposed end of the package and downwardly extending ends connected with the flanges to hold the sides of the body member compressed when the closure member is closed, whereby the closure member is held closed, and to further compress the sides when the closure member is opened.

2,155,614
COOLING APPARATUS FOR BREAD WRAPPING MACHINES
Charles H. Petskeyes, Bettendorf, and Albert F. Uchtorff, Davenport, Iowa
Application December 17, 1937, Serial No. 180,428
6 Claims. (Cl. 93—2)



1. In a bread wrapping machine, provided with a field in which the wrapped loaves are heated, a runway adjacent to said field for the conveyance and delivery of said loaves consisting of spaced slats, and means for producing a circulation of air between said slats.

2,155,615
ARTICULATED TRAIN
Charles De Los Rice, West Hartford, Conn.
Application November 7, 1936, Serial No. 109,741
5 Claims. (Cl. 105—4)



1. In an articulated train comprising a plurality of coaches in tandem relation, a single car truck beneath and individually supporting the abutting ends of a pair of adjacent coaches, a member mounted on the truck, a substantially vertical pin pivotally secured to said member, a pivotal connection between one of the coaches and said pin, a close-fitting connection between the other of said coaches and said pin and means at each end of said pin resiliently supporting it for free floating axial movement relative to the truck and one of the coaches to compensate for vertical movements of one coach relative to the other.

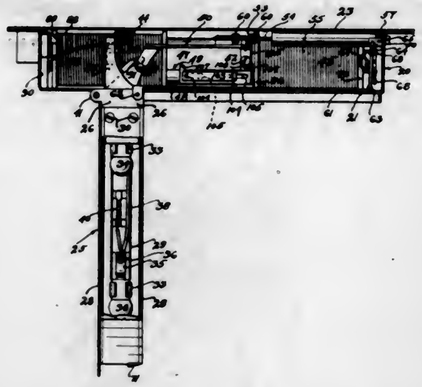
2,155,616
HEATER FOR PERMANENT WAVE APPARATUS
Paul C. Rilling, Minneapolis, Minn., assignor to Rilling-Arnao Company, Minneapolis, Minn., a corporation of Minnesota
Application October 21, 1936, Serial No. 106,756
6 Claims. (Cl. 219—24)



4. In a permanent waving apparatus for hair, a casing defining a hollow chamber for receiving a tress of wound hair, the ends of said casing having oppositely disposed openings therein, a hair winding rod of smaller diameter than said ends and insertable in said opening, the upper end portions of said chamber being relatively stationary and extending downwardly a substantial distance from the top thereof, said chamber also having side portions movable away from each other at the bottom and sides of the chamber to permit insertion and removal of said winding rod, and a heating element within the interior of the upper portion of said chamber adjacent said winding rod.

2,155,617
DIRECTION TURN INDICATOR FOR VEHICLES
Carl M. Roan, Oliver E. Kaupang, and Arthur W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co.
Application January 29, 1936, Serial No. 61,300
7 Claims. (Cl. 177—329)

1. In a device of the kind described, a casing, a signal arm retractable into and projectable from the casing, a reversible electric motor means for projecting and retracting the signal arm, said motor being substantially ineffective to prevent movement of the signal arm when it is de-energized, circuits for said reversible motor, a remotely located control switch operative in one position to close the one of said circuits that causes operation of the reversible motor in a direction to extend the signal arm and in another position to close the one of said circuits that operates the motor in a direction to move the signal arm from extended to retracted position,



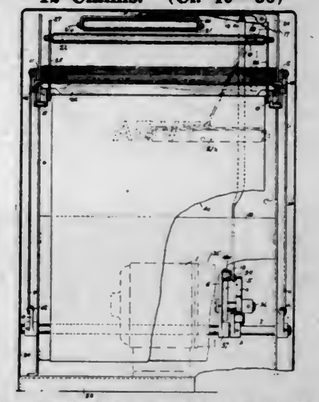
and automatic switch means associated with the signal arm retracting circuit and operative to automatically break said circuit when the signal arm reaches a substantially retracted position, and to automatically momentarily close the last named circuits when and if the signal arm should become accidentally partially extended from a retracted position during a time when the reversible motor means is de-energized.

2,155,618
DISPLAY SIGN
Bernard Roberts, Auckland, New Zealand
Application November 4, 1936, Serial No. 109,151
In New Zealand May 25, 1936
1 Claim. (Cl. 40—130)



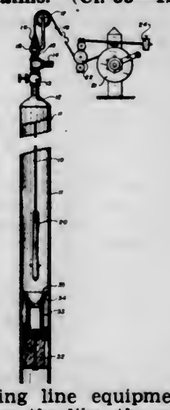
A display sign characterized by the combination with a mirrored surface bearing the sign thereon, of a boss disposed centrally in such surface, a series of electric light tubes arranged to radiate from said boss and disposed in front of said mirrored surface, means for imparting rotation to the boss and light tubes, to cause such tubes to move round across the front of the said display surface whereby said tubes are visible directly and by reflection on said mirrored surface, a beveled rim surrounding the mirrored surface and said tubes and having a light reflecting surface, and means whereby the supply of electric current to each of the said tubes may be alternately effected and broken in any desired order relatively with the others.

2,155,619
DISPLAY DEVICE
Charles Roberts, New York, N. Y., assignor, by mesne assignments, to Advertising Machines Corporation, New York, N. Y.
Application October 26, 1938, Serial No. 236,995
12 Claims. (Cl. 40—36)



1. A display device comprising a display window supported in a chassis, an inclined magazine to sustain a plurality of displays compacted in vertical alignment with said wondow and hanging from holders resting on said inclined magazine, motor driven means to partially withdraw from said window said displays seriatim at a relatively low speed and secondary means to complete said withdrawal at a relatively high speed.

2,155,620
MEASURING LINE EQUIPMENT
Domer Scaramucci, Norman, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application March 21, 1938, Serial No. 197,119
5 Claims. (Cl. 33—126.5)



3. In measuring line equipment adapted for use in oil wells or the like, the combination of a body adapted to be moved through the well, a measuring line, a weight member connected to the lower end of said measuring line so as to be suspended thereby above said body and latching means associated with said weight member and body for connecting the same together upon the weight member being dropped into contact with said body, said latching means having a spring adapted to yield upon relative movement between the body and weight member and permit the separation of said weight member from said body after causing the measuring line to jerk.

2,155,621
RUBBER PROCESS AND PRODUCT
Thomas Lewis Shepherd, London, England
No Drawing. Application April 1, 1936, Serial No. 72,219. In Great Britain April 4, 1935
9 Claims. (Cl. 18—54)

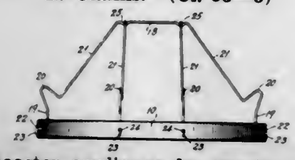
1. A method of preparing rubber thread in a relatively inextensible form which comprises the steps of forming a thread from an aqueous dispersion of rubber containing a quantity of a removable lyophilic colloid sufficient to reduce the extensibility of the thread, coagulating the thread, drying the coagulated thread, applying to such thread a soluble adhesive coating which will be inextensible when hardened, and hardening the coating.

2,155,622
LAY FIGURE FOR DISPLAYING FABRICS IN THE FORM OF GARMENTS
Walter Spanier, Brussels, Belgium
Application June 23, 1937, Serial No. 149,832
In Belgium July 7, 1936
19 Claims. (Cl. 35—56)



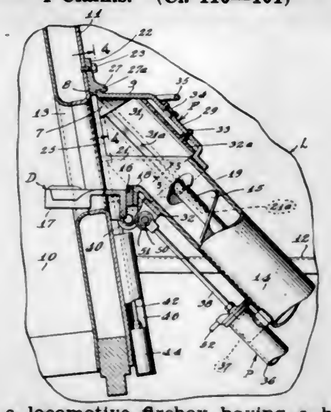
1. A lay figure for displaying uncut fabrics in the form of made-up garments, comprising in combination a support, distinct parts corresponding in shape to the respective pieces of the garment to be simulated, means for rigidly securing some of said parts on said support, means for adjustably securing others of said parts to said support, all said parts being spaced from one another so as to be adapted to be draped separately with fabric, locking means for said adjustable parts, and fixing means for the fabric draping each of said distinct parts.

2,155,623
TOASTER FOR ELECTRIC RANGES
Harry Strause, Philadelphia, Pa.
Application July 8, 1937, Serial No. 152,476
12 Claims. (Cl. 53—5)



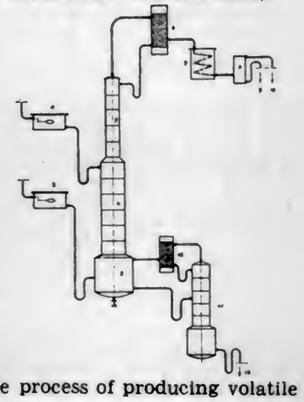
1. A toaster appliance for use in conjunction with an electric stove having a heating unit composed of horizontally arranged electrical resistance elements, comprising a base having an unobstructed opening greater in area than the area occupied by the resistance elements in the heating unit of the stove, a bread support formed of wire mounted on said base, said bread support being positioned over the opening of said base member and being formed so that slices of bread supported thereby will be disposed over the resistance elements of the electrical heating unit at an acute angle to the horizontal planes in which such elements lie and being arranged relative to said base to provide space for free circulation of air between the bottoms of the slices of bread and the horizontally disposed heating unit.

2,155,624
LOCOMOTIVE STOKER
Charles J. Surdy, Tuckahoe, N. Y., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application January 22, 1938, Serial No. 186,279
4 Claims. (Cl. 110—101)



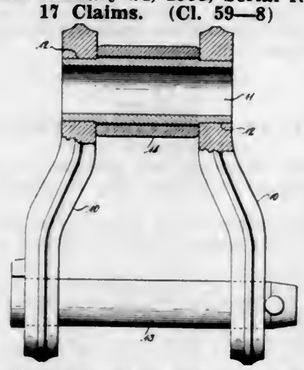
1. In a locomotive firebox having a backwall with a firing opening therein, the combination comprising a stoker discharge conduit arranged to communicate with said firing opening and having a rearwall and side walls extending above the lower edge of said opening, a frame embracing said opening including a pair of side members, a door including a pair of side portions each of which is arranged to fit against a corresponding side member of said frame, a rearwall arranged to form an approximate upward continuation of the discharge conduit rearwall, and a top wall, the forward edge of the top wall of said door arranged to fit against the rear portion of said frame.

2,155,625
PRODUCTION OF ORGANIC ESTERS
Ewald von Retze, Schonberg, near Kronberg, Germany, assignor to Deutsche Gold- und Silber-Scheideanstalt, Frankfort-on-the-Main, Germany, a corporation of Germany
Application December 24, 1935, Serial No. 55,961
13 Claims. (Cl. 260—488)



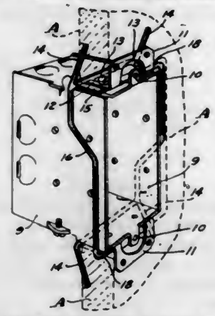
1. In the process of producing volatile organic esters, the improvement which comprises heating an esterification mixture containing an alcohol, an aliphatic monocarboxylic acid and an esterification catalyst and returning said alcohol contained in the evolving vaporous mixture of ester, alcohol and water to the esterification vessel by washing said alcohol out of said vaporous mixture by means of liquid organic acid to be esterified substantially devoid of esterification catalyst.

2,155,626
METHOD OF MAKING BUSHED CHAIN LINKS
Charles R. Weiss, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application January 24, 1938, Serial No. 186,716
17 Claims. (Cl. 59—8)



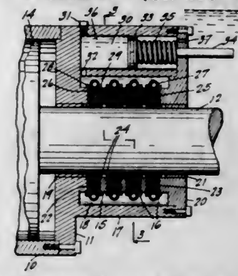
1. A method of constructing bushed chain links which comprises the steps of forming a bushing with relief areas at the opposite ends of its bore, and press fitting the ends of the bushing into side bar pitch holes which have an inside diameter sufficiently less than the outside diameter of the bushing ends to effect, as a result of said press fit, flow of the material of the bushing ends radially inwardly to fill said relief areas.

2,155,627
OUTLET BOX ANCHORING DEVICE
Vern O. Welch, Milltown, Wis.
Application January 27, 1938, Serial No. 187,189
5 Claims. (Cl. 220—3.6)



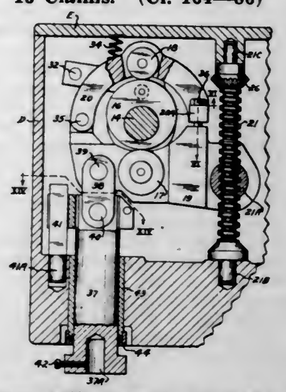
1. The combination with a box having wall engaging stops, of anchoring means therefor including two anchoring devices of like substantially L-shaped form, applied to the opposite ends of the box, as rights and lefts, each device involving a transverse clamping bale and an arm at one side of the bale, said bales having portions engageable with a wall facing at opposite sides of the box, and said arms being arranged at opposite sides of the box, extended in opposite directions, from the ends thereof, and arranged to be interlocked to the respective sides of the box.

2,155,628
BEARING SEAL
John C. Williams, Oakland, Calif.
Application November 10, 1937, Serial No. 173,837
6 Claims. (Cl. 286—27)



1. Sealing means for relatively movable members comprising a chamber surrounding one member and having opposed thrust faces, and a series of alternate rigid and resilient rings compressibly cooperating between said thrust faces with the resilient rings hugging said one member; means circumferentially associated with and compressibly urging said resilient rings to increase the hugging action on said one member; said rigid rings freely clearing said one member and said resilient rings mushrooming about the internal peripheral corners of said rigid rings.

2,155,629
CAM-ACTION PUNCH PRESS
Alex J. Zaveruka, Mount Clemens, Mich.
Application September 14, 1938, Serial No. 229,847
13 Claims. (Cl. 164—86)

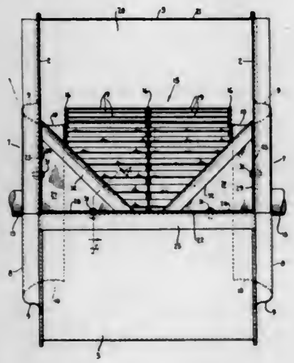


1. In a cam action punch press the combination with a housing having a removably engaged cap and a vertically actuating ram, a cam mechanism comprising a cam freely disposed upon a transverse shaft, a yoke member, a rocker and an outwardly threaded vertical shaft, means whereby said rocker is pivoted to said shaft and is movable thereupon vertically with respect to said shaft, an upper frictional roller and a lower frictional roller, both of said rollers contacting aforesaid cam, means whereby aforesaid yoke member is pivoted to said rocker, and further means with respect to said yoke member and rocker for exerting a spring tension upon said upper roller, thus retaining said cam in direct contact with the rollers aforesaid.

2,155,630
TREE SPRAY OIL
John A. Anderson, Olympia Fields, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 15, 1935, Serial No. 36,347
4 Claims. (Cl. 167—28)

1. An insecticidal tree spray oil comprising a mineral distillate having a Saybolt viscosity of from about 40 to 80 at 100° F., to which has been added about ½ to 5% of an oil soluble visco-resin.

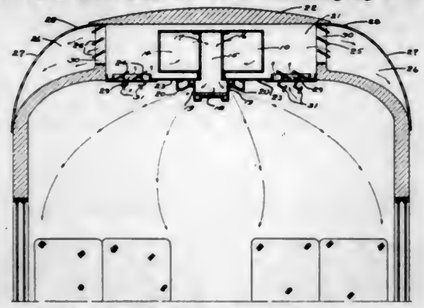
2,155,631
BLOWER
Edward L. Anderson, Grosse Isle, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Delaware
Application June 20, 1936, Serial No. 86,280
6 Claims. (Cl. 230—132)



1. In a blower, a housing of scroll form having an inlet, a blower wheel in said housing, said blower wheel being arranged with one end thereof disposed toward said inlet and spaced from the housing wall having said inlet, an outlet opening in the scroll shaped wall of said housing, said outlet opening having a dimension transverse to the axis of rotation of the wheel substantially equal to the diameter of said wheel and overlying substantially one quarter of the periphery of said wheel, and wall means overlying the space between said one end of said blower wheel and said housing wall and overlying the periphery of one end portion only of said blower wheel, said wall means cooperating with said outlet opening to provide an opening of greatest effective discharge capacity without appreciable indrawing of air by said blower wheel through said outlet opening.

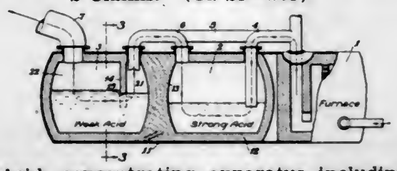
2,155,632
AIR CONDITIONING SYSTEM
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.
Application April 16, 1937, Serial No. 137,248
4 Claims. (Cl. 98—10)

1. An air conditioning system for a passenger vehicle having a ceiling and a roof above the ceiling, comprising in combination, an air cooler, a longitudinal duct for receiving cooled air from said cooler, supported in the space between said ceiling and roof and communicating in its lower portion through said ceiling with the passenger area, means for passing cool air from the passenger area into said space, in contact with said duct and for then discharging it from



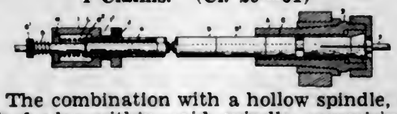
said car, and means for preventing outdoor air from entering said space.

2,155,633
APPARATUS FOR CONCENTRATING SULPHURIC ACID
John Bachi, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 2, 1936, Serial No. 108,755
2 Claims. (Cl. 23—275)



1. Acid concentrating apparatus including a furnace stage and a plurality of concentrating stages, conduit means for directing hot gases from said furnace stage successively to said concentrator stages in series, conduit means for conducting the gases from the vapor space of each concentrator stage to the vapor space of the succeeding stage, additional conduit means for bypassing a portion of the hot gases from the furnace stage directly to the vapor space of a subsequent stage beyond the first of said series stages, means in said subsequent stage forming a confined space above the acid level for the reception of both said series stream and said bypass stream, said means comprising an auxiliary baffle wall composed of acid-resisting material extending completely across the interior of said stage and presenting a linear baffle edge below the surface of the acid, said baffle edge being effective to produce intimate and extensive contact between said gases and said acid.

2,155,634
STOCK FEEDING MEANS FOR AUTOMATIC MACHINE TOOLS
Samuel Baxendale, Dearborn, and John Evasic, Detroit, Mich., assignors to Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan
Application June 27, 1938, Serial No. 216,120
4 Claims. (Cl. 29—61)



1. The combination with a hollow spindle, of a stock feeder within said spindle comprising a reciprocatory tubular pusher member, a one-way clutch at the forward end of said pusher member in rear of the forward end of said spindle for automatically gripping the stock bar when the pusher is moved forward in the spindle, and means operable from the outside at one end of said hollow spindle for releasing said clutch from engagement with the bar to permit rearward withdrawal of the latter from the hollow spindle.

2,155,635
BOTTOM HOLE PRESSURE GAUGE
Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 2, 1938, Serial No. 205,491
1 Claim. (Cl. 73—300)



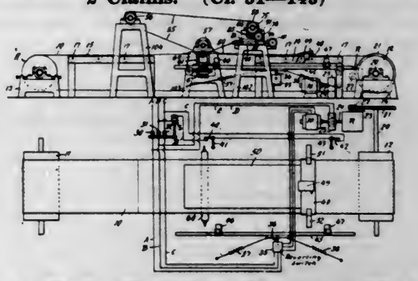
A deep well pressure gauge comprising in combination a body member provided with a bore, a housing in said bore, an anvil of deformable metal seated in said housing, a plunger provided with a point of hard metal resting upon said anvil, a piston contacting said plunger and means providing communication between the exterior of said body member and the top of said piston, the construction being such that fluid pressure acting against said piston is adapted to move said plunger and its point into said deformable anvil, the extent of deformation indicating pressure.

2,155,636
COLLAPSIBLE PAPERBOARD LIQUID DISPENSING CONTAINER
Duryea Bensel, New York, N. Y., assignor to Bensel Corporation, New York, N. Y., a corporation of Delaware
Application June 5, 1937, Serial No. 146,536
9 Claims. (Cl. 229—41)



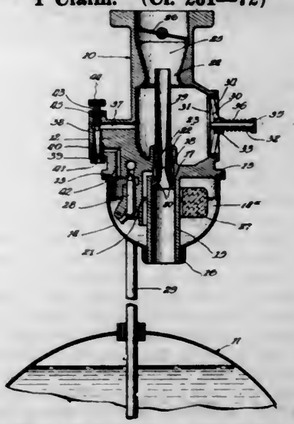
1. A paper board container comprising side panels and end closures, two opposed panels being provided with collapsing portions defined by score lines, two other opposite side panels being provided with oppositely collapsing, hinged subpanels defined by score lines.

2,155,637
SHEET POLISHING MACHINE
Saul Blickman, New York, N. Y.
Application May 5, 1937, Serial No. 140,943
2 Claims. (Cl. 51—143)



1. A sheet polishing machine comprising an endless sheet supporting and feeding belt, means for clamping a sheet to be polished to said belt, means including an electric motor for driving said belt, means for reversing the motor and reversing the travel of the sheet supporting belt at predetermined limits of forward and reverse travel thereof, polishing means engageable with the sheet during the travel thereof, and means including switches and control members carried by the belt for automatically stopping the motor when the belt reaches predetermined limits in the travel thereof.

2,155,638
CARBURETOR
Robert F. Bracke, Chicago, Ill.
Application February 6, 1935, Serial No. 5,203
1 Claim. (Cl. 261—72)



A fuel lift carburetor comprising a body portion having formed therein at its upper end a mixing chamber, the lower end of said mixing chamber being of Venturi tube formation, a secondary air chamber in said body below said Venturi tube and open at one side for the admission of secondary air, a fuel chamber removably secured to the lower end of said body, a primary air inlet extending through said chamber and a main Venturi tube extending through the secondary air chamber into first said Venturi tube

formation, and a fuel lift Venturi tube communicating with the secondary air chamber at a point opposite and substantially central with respect to the secondary air inlet, said point being free from local interruptions to the normal flow of air through said chambers.

2,155,639

RUBBER-LIKE MATERIAL AND METHOD OF PRODUCING SAME

Theodore F. Bradley, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 30, 1935, Serial No. 38,516

4 Claims. (Cl. 260—75)

1. The process of preparing infusible, flexible, rubber-like resins which comprises reacting a long-chain glycol having at least eight atoms in the chain separating the esterifiable hydroxyl groups with a heat-stable polybasic acid material containing at least 40% of an esterifiable tetrabasic carboxylic acid, said acid material being derived from the chemical combination of an alpha-beta unsaturated polycarboxylic acid and a substance taken from the group consisting of terpenes and diene compounds, and continuing the reaction by heating between 150–280° C. for sufficient time to produce an infusible and substantially insoluble, rubber-like condensation product.

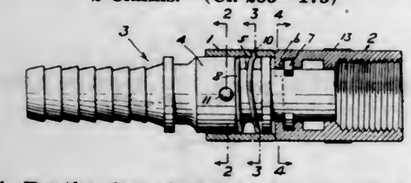
2,155,640

HOSE COUPLING

David F. Bruce, Philadelphia, Pa., assignor to Algonquin Coupling Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 11, 1938, Serial No. 218,506

2 Claims. (Cl. 285—175)



1. For the clasp sleeve of a hose coupling comprising a female element and a male element having a cylindrical shank provided with a circumferential groove, said elements having between them the members of a bayonet joint, the combination of a looped bow spring of arcuate form arranged in said groove and having the end of one leg outturned to enter a hole through the wall of the clasp sleeve and having the other leg in abutment with one wall of the groove and tending to shift the clasp sleeve into clasping position, the outturned end of the spring providing a sleeve stop in the other direction, and a ball and its pit complemental axial groove of limited length interposed between the inner face of the clasp sleeve and the outer face of the cylindrical shank and adapted to oppose rotation and permit limited endwise movement of the clasp sleeve under the action of said spring, said looped bow spring arcuate in form and adapted for assembly and disassembly sidewise of the coupling.

2,155,641

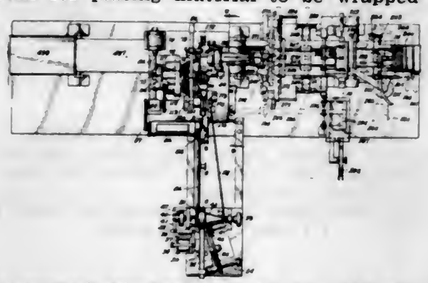
PACKAGING OF RIBBON

Raymond G. Buser, Paterson, N. J.

Application May 3, 1935, Serial No. 19,671

11 Claims. (Cl. 93—2)

1. In a machine of the character disclosed for operating on wrapper blanks having window openings, means for securing window material over the window openings of said wrapper blanks, means for placing material to be wrapped on



the secured window material on said blanks, means for folding the blanks about said placed material and means for securing the window material over said folded blanks.

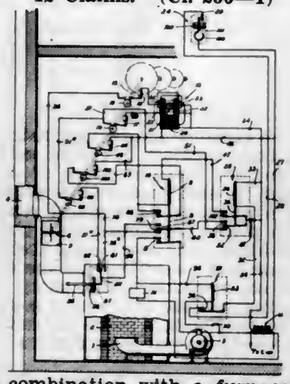
2,155,642

CONTROL FOR HEATING SYSTEMS

Ritchie P. Dewey, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application February 23, 1935, Serial No. 7,885

12 Claims. (Cl. 236—1)



5. The combination with a furnace having a burner and a damper controlling a stack duct leading from said furnace, reversible electric motor driving means for actuating said damper, control means such as a room thermostat, means responsive to said control means to initiate operation of said motor in a direction to move said damper toward open position, means responsive to movement of said damper to a predetermined open postion to initiate operation of said burner, and means rendered operative as an incident to starting of said burner and acting during operation thereof in response to draft fluctuations to control the direction and extent of operation of said motor whereby to maintain a predetermined draft for said furnace.

2,155,643

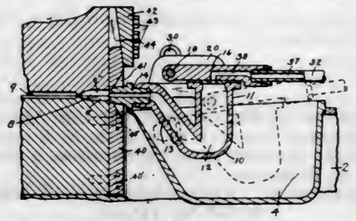
DIE CASTING MACHINE

William J. During, Syracuse, N. Y., assignor to Precision Casting Company, Inc., Syracuse, N. Y., a corporation of New York

Application November 22, 1937, Serial No. 175,871

2 Claims. (Cl. 22—69)

2. In a die casting machine having a delivery nozzle, a sectional die member having at least one section movable to open and close the die, said die being provided with a sprue opening in the plane of separation of the sections, and means for producing relative movement of the die and nozzle to bring them into and out of casting relation with each other, in combination, an apertured nozzle plate interposed between the nozzle and the die member, and means securing the



nozzle plate to the die member in sealed relation therewith when the die is closed independently of pressure produced on said plate by the nozzle when said nozzle is in said casting relation with the die, said latter means including a holding element associated with one of the die sections adapted to be brought into and out of operative engagement with the nozzle plate during the closing and opening of the die member.

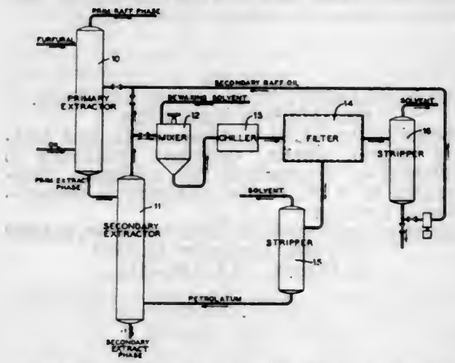
2,155,644

SOLVENT REFINING HYDROCARBON OIL

Louis P. Evans, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 19, 1937, Serial No. 126,551

1 Claim. (Cl. 196—13)



In the refining of mineral lubricating oil containing naphthenic and paraffinic constituents, the method comprising extracting the oil with furfural in a primary extraction zone, forming a primary raffinate phase rich in paraffinic constituents and a primary extract phase containing the naphthenic and less paraffinic constituents mixed with the bulk of the furfural, removing said primary phases, subjecting the primary extract phase to reextraction in a secondary extraction zone with a solvent comprising paraffin hydrocarbons containing from 14 to 35 carbon atoms in the molecule at a temperature of around 200° F. and above, forming a secondary raffinate phase comprising paraffinic hydrocarbons, including the aforesaid high molecular weight hydrocarbons, and a secondary extract phase comprising naphthenic constituents, removing said secondary phases, dewaxing the secondary raffinate phase to separate therefrom the high molecular weight paraffin hydrocarbons and produce a liquid paraffinic oil of intermediate character, and returning the oil of intermediate character to the primary extraction zone for further contact with furfural in the presence of fresh charge.

2,155,645

SEPARATION OF WAX FROM OIL

Louis P. Evans and Howard H. Gross, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application February 24, 1937, Serial No. 127,404

5 Claims. (Cl. 196—18)

1. The method of dewaxing a wax-bearing mineral lubricating oil which comprises dissolving the oil in a selective solvent comprising a mixture of an oil solvent and a wax anti-solvent at a temperature of around 100° to 120° F., forming a concentrated solution of a soap which has wax crystal modifying properties and which is incompletely dissolved in the oil at temperatures below about 200° F. in a mixture of lubricating oil and a separate portion of said selective solvent at a temperature of around 140° F., adding the concentrated solution in small proportion to the solution to be dewaxed, chilling the mixture to precipitate wax constituents, and removing the wax constituents so precipitated.

2,155,646

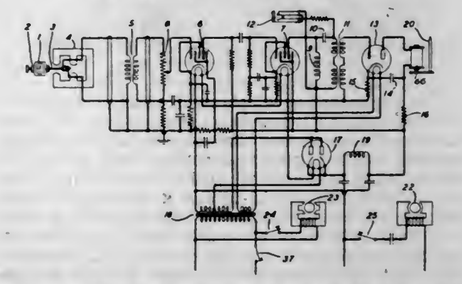
WATCH RATE RECORDER

Charles H. Fetter, Millburn, N. J., and John G. Matthews, Kew Gardens, N. Y., assignors to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application November 20, 1935, Serial No. 50,702

In Great Britain December 3, 1934

4 Claims. (Cl. 181—0.5)



1. In a device for recording the rate of a timepiece, said device comprising an electromagnet operable upon each beat of the timepiece, a drum rotated at a constant speed, a predetermined angular distance for each beat of a correct timepiece, a record receiving sheet carried on said drum, a driving mechanism for moving said electromagnet in a path parallel to the axis of rotation of said drum and a stylus reciprocated by said electromagnet for impressing marks on said record receiving sheet at intervals of time corresponding to the beats of the timepiece under test.

3. The method of recording the rate of a watch which comprises rotating a drum at a rate corresponding to the rate of a standard watch, operating a stylus to mark the drum with a frequency determined by the rate of the watch to be tested, and causing relative movement of the stylus and drum parallel to the axis of rotation of the drum in addition to the operation of the stylus to mark the drum.

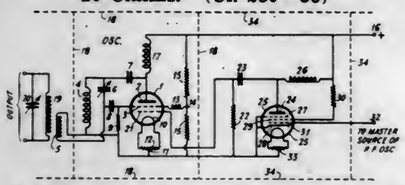
2,155,647
TREATMENT OF ANIMAL FIBERS
Leo Frenkel, New York, N. Y., assignor to The Hatters' Fur Exchange, Inc., Walden, N. Y., a corporation of New York
No Drawing. Application September 18, 1936, Serial No. 101,397
12 Claims. (Cl. 19—66)

12. The method of forming yarn which comprises coating animal fibers with a permanent deposit of sericine prior to spinning and subsequently spinning them.

2,155,648
YARN
Leo Frenkel, Northboro, Mass., assignor to Hatters Fur Exchange, Inc., Walden, N. Y., a corporation of New York
No Drawing. Application June 9, 1934, Serial No. 729,802
8 Claims. (Cl. 57—153)

1. A yarn comprising short fur and hair fibres having thereon a substance deposited from a bath containing sulpho-cyanide and sericin.

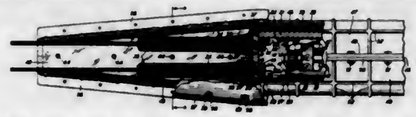
2,155,649
THERMIONIC VALVE OSCILLATOR ARRANGEMENT
Douglas Frank George, Shenfield Gardens, Hutton, England, assignor to Radio Corporation of America, a corporation of Delaware
Application January 25, 1936, Serial No. 60,786
In Great Britain March 18, 1935
10 Claims. (Cl. 250—36)



1. A regenerative electron discharge device oscillation generation system comprising an electron discharge device oscillator having an anode, cathode, control grid and screen grid, means for maintaining said control grid at an average negative potential and said screen grid at an average positive potential relative to said cathode, a feedback path including an oscillation circuit extending from said anode to said screen grid, a connection from an intermediate point on said oscillation circuit to said cathode, a non-oscillating electron discharge device amplifier having input and output electrodes, a capacitive connection from said output electrode to the control grid of said oscillator, and a connection from said input electrode to a master oscillator of low power and constant frequency.

2,155,650
HOUSING FOR REPEATER APPARATUS
John J. Gilbert, Douglaston, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1937, Serial No. 173,821
4 Claims. (Cl. 174—70)

1. A container for housing undersea electrical apparatus comprising an elongated tubular member closed at each end, one of said ends being provided with a removable cap and having a conductor passing therethrough and secured therein by a water-tight fitting, a jacket of soft metal completely surrounding said member and said cap and a shell of hard metal enclosing said soft metal

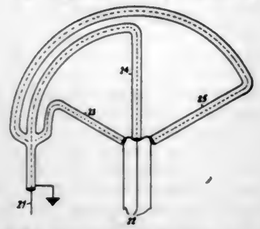


jacket but spaced away therefrom by a layer of resilient material.

2,155,651
MANUFACTURE OF ALUMINUM ALLOYS
Claus Guenter Goetzel, New York, N. Y., assignor to Hardy Metallurgical Corporation, a corporation of Delaware
No Drawing. Application June 17, 1937, Serial No. 148,662
2 Claims. (Cl. 75—22)

1. In a process for producing a porous mass of aluminum alloy, the improvement which comprises compressing into a coherent mass a mixture of a solid substance that is volatile at a relatively low temperature and finely-divided metal powders containing a relatively large proportion of aluminum and a relatively small proportion of a metal alloyable with aluminum and heating said coherent mass for a considerable period of time at a temperature below the melting point of aluminum but at which diffusion of aluminum occurs between the metal powder particles while said particles remain in a substantially solid condition, said temperature being above the volatilizing temperature of the volatile substance and said heating taking place in a desiccated non-oxidizing atmosphere, whereby the metal powder particles become welded together and the volatile substance is expelled to produce a porous mass.

2,155,652
ARRANGEMENT FOR COUPLING HIGH FREQUENCY CIRCUITS
Albrecht Gothe, Hans O. Roosenstein, and Ludwig Walter, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 20, 1932, Serial No. 634,000
In Germany November 17, 1931
10 Claims. (Cl. 178—44)



1. In a high frequency coupling arrangement comprising a circuit which is normally unsymmetrical with respect to ground potential, a second circuit which is normally symmetrical with respect to ground potential, means for providing a symmetrical circuit coupling arrangement between said unsymmetrical and symmetrical circuits, said means comprising concentric conductors, at least one of said conductors being grounded to the unsymmetrical circuit portion at a distance from the connecting point of an uneven factor of a quarter wave, the conductors being connected at their ends to each other.

2,155,653
METHOD FOR FRESHING-UP INK RIBBONS
Hugo Graf, Gross-Steinheim-on-the-Main, Germany
No Drawing. Application September 7, 1937, Serial No. 162,710. In Germany December 10, 1935
4 Claims. (Cl. 91—68)

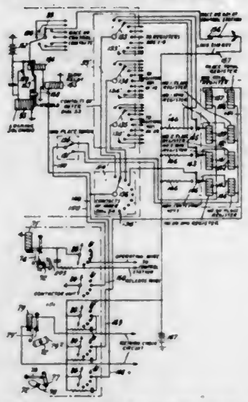
1. A method of rejuvenating typewriter ink ribbons and the like by a treatment with ink dissolving hydrocarbons, the method comprising the steps of placing the ribbon in a vessel, closing said vessel, vaporizing said hydrocarbons, and subjecting the ink ribbons to the action of the vapors thus produced.

2,155,654
BROILER OVEN AND PULL-OUT DRAWER THEREOF
James R. Haley, New York, N. Y., assignor to Welbilt Stove Company, Inc., Maspeth, Long Island, N. Y., a corporation of New York
Application January 28, 1936, Serial No. 61,119
4 Claims. (Cl. 45—77)



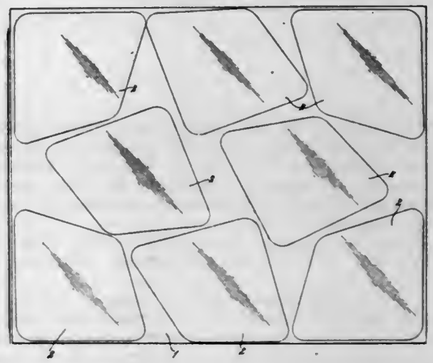
1. A pull-out drawer arrangement comprising a pair of fixed guide rails having horizontal flanges, a pair of downwardly depending guide flanges fastened to opposite sides of the drawer, a pair of rollers mounted adjacent the forward end of the rails to provide a roller bearing support for the drawer, each of said downwardly depending flanges having a tongue extending horizontally therefrom and extending outwardly beneath the underface of said horizontal flanges and engaging the under face of said horizontal flange when the drawer is in a forward position, said tongues also engaging said rollers to limit the forward movement of the drawer, and a pair of rollers carried by the drawer to support the rear of the drawer, the last mentioned rollers being disposed beneath said horizontal flanges.

2,155,655
TICKET PRINTING AND ISSUING MACHINE FOR TOTALIZATORS
John Handley, London, England
Application August 29, 1936, Serial No. 98,523
In Great Britain January 9, 1935
6 Claims. (Cl. 235—92)



1. A ticket printing and issuing machine for use with a totalizator, comprising an operating lever for controlling the issuance of tickets by said ticket-issuing machine, a contactor unit and a manually settable control member, a selector switch operable conjointly with the control member, a relay controlled by said selector switch, and electro-magnetic locking means controlled by said relay, said operating lever and said contactor unit being locked against operation by said electro-magnetic locking means except when the control member is in a prescribed setting.

2,155,656
MANUFACTURE OF ENVELOPES
Lynn O. Hayes, St. Louis, Mo.
Application August 1, 1936, Serial No. 93,749
3 Claims. (Cl. 93—61)

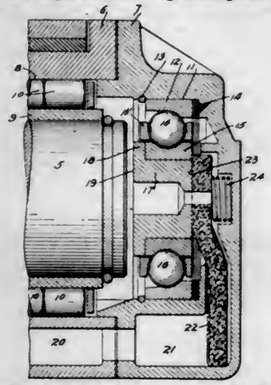


1. The method of making relatively irregular, differently sized envelopes from blanks of uniform size and shape which consists in forming a plurality of equi-sized quadrilateral envelope blanks, respectively uniform in configuration, nicking the four sides of the respective blanks at points and to respectively various depths, such as to leave between the vertices of the nicks, faces of desired dimensions within the area of the original blanks, which faces differ in size from each other, folding the blanks in line with the vertices of the respective nicks, and completing the envelopes thereby providing from blanks of a given uniform size, envelopes differing relatively in size inversely with the extent or depth of nicking.

2,155,657
THRUST BEARING
Charles Henry Hellyar, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application March 20, 1937, Serial No. 131,990
5 Claims. (Cl. 308—233)

1. In a device of the character indicated, a housing, an axially movable shaft rotatably mounted therein, thrust means for the end of said shaft and including a radial type angular contact unit handling ball bearing having inner and outer bearing rings with interposed anti-friction bearing members serving to hold said rings in unit handling relationship, one of said bearing rings being supported by said housing, and a thrust block bodily carried by the other of said bearing rings

and having a thrust flange extending over and engaging the edge of its ring and positioned to be



intermittently engaged by the end of said shaft, for the purpose described.

2,155,658

SURGICAL AND MEDICAL PREPARATIONS

Willy O. Herrmann, Deisenhofen, Bernd Braun, Melsungen, and Wolfram Haehnel, Munich, Germany, assignors to Chemische Forschungsgesellschaft, m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application December 29, 1936, Serial No. 118,088. In Germany January 8, 1936

3 Claims. (Cl. 167—58)

1. A surgical and medical preparation for injection into body cavities in the human and animal system comprising a mixture containing at least one material selected from the group consisting of polymerized vinyl alcohols and their water soluble derivatives, and a solvent for such material, said preparation being capable of being rendered flowable for ready injection into the body at temperatures above body temperature and which is not injurious to the body and becoming solid at body temperature after injection.

2,155,659

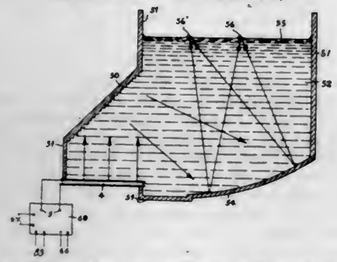
LIGHT MODULATING DEVICE

John Henry Jeffree, Bray-on-Thames, England, assignor to Scophony Limited, London, England, a company of Great Britain

Application February 27, 1935, Serial No. 8,451

In Great Britain March 3, 1934

14 Claims. (Cl. 88—61)



1. Apparatus for controlling the intensity of a beam of light in accordance with a plurality of mechanical carrier waves of different frequencies, said apparatus comprising a body capable of transmitting mechanical waves to produce diffraction grating effects, means for applying to said body a complex mechanical vibration comprising a mixture of carrier waves to cause said complex mechanical vibration to traverse said body, means for acting selectively on carrier waves of different frequencies in said mixture traversing said body to cause each of said carrier waves to follow a path in said body which is spacially separated from the paths of the others of said carrier waves and means for directing light of a beam upon the carrier waves in each of said paths to control simultaneously and independently of one another the intensity of spacially separated parts of said light beam.

2,155,660

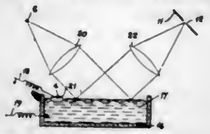
LIGHT MODULATING DEVICE

John Henry Jeffree, Oxshott, England, assignor to Scophony Limited, London, England, a company of Great Britain

Application February 27, 1937, Serial No. 128,195

In Great Britain March 3, 1934

6 Claims. (Cl. 178—7.3)



1. Apparatus for producing an optical image of a plurality of applied variations on an image plane, comprising a body capable of transmitting mechanical waves to produce diffraction grating effects, said body to be arranged in the path of a light beam so that the direction of said mechanical waves traversing said body is inclined relatively to said path, means for applying to said body a mechanical carrier oscillation modulated with said variations to cause a plurality of corresponding wave groups to traverse said body simultaneously, thereby diffracting part of a light beam when directed upon said body, optical means for separating the diffracted from the undiffracted part of such light when emerging from said body, means for focusing one such separated part to form an optical image of said plurality of mechanical waves simultaneously traversing said body upon an image plane, and means for rendering said image stationary.

2,155,661

LIGHT MODULATING DEVICE

John Henry Jeffree, Oxshott, England, assignor to Scophony Limited, London, England, a company of Great Britain

Original application February 27, 1935, Serial No. 8,451. Divided and this application March 2, 1937, Serial No. 128,622. In Great Britain March 3, 1934

4 Claims. (Cl. 179—100.3)



1. Apparatus for producing a record of variations upon a moving light sensitive surface, said apparatus comprising a body capable of transmitting mechanical waves to produce diffraction grating effects and to be located in the path of a light beam, means for applying a mechanical carrier oscillation modulated with said variations to said body to cause mechanical waves to traverse said body transversely of said light path, thereby diffracting a part of the light beam when passing said body while another part thereof is substantially undiffracted, means for focusing the light in one of said parts emergent from said body to form an image of said waves upon said light sensitive surface, means for screening said light-sensitive surface against non-focused light of said other part arranged between at least part of said focusing means and the light-sensitive surface, and means for moving said light sensitive surface in a direction and at a speed substantially the same as those of said images, in order to immobilise said images relatively to said light sensitive surface.

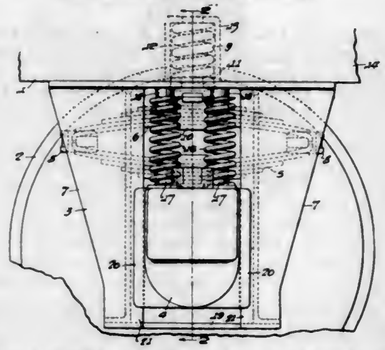
2,155,662

RAILWAY VEHICLE

Byers W. Kadel, Baltimore, Md., and Donald S. Barrows, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application January 14, 1935, Serial No. 1,772

26 Claims. (Cl. 105—224)



1. In a railway vehicle having a pedestal rigidly attached to the vehicle, a journal box vertically movable therein, a longitudinally arranged leaf spring housed in said pedestal and acting to support said vehicle from the box coil springs associated with said leaf spring for the support of said vehicle, and means formed on said box for holding said coil springs in position; one of said springs having a free height sufficient to carry a part of a superimposed load when the remainder of said springs are free to thereby provide a sequential compressive movement of said springs.

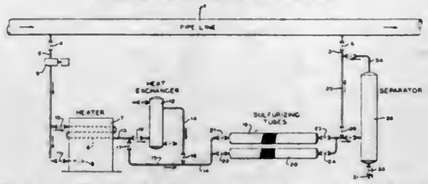
2,155,663

TREATMENT OF GASEOUS FUELS

Lebbeus C. Kemp, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 1, 1938, Serial No. 188,033

4 Claims. (Cl. 48—195)



3. A method of odorizing a gaseous hydrocarbon fuel containing appreciable quantities of heavy gaseous hydrocarbons, which comprises moving the main body of said fuel through a conduit, continuously withdrawing a small portion of said fuel from the conduit, heating the withdrawn fuel to a temperature at which it will react with sulfur to form odorous sulfurized hydrocarbon bodies, passing the heated product through a treating zone in which it is contracted with sulfur at an elevated temperature to produce said odorant bodies therein and then returning the treated fuel to said conduit to odorize the main body of the fuel.

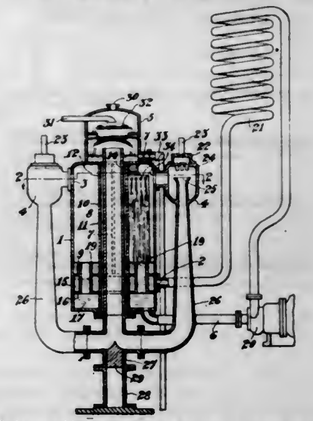
2,155,664

REFRIGERATING APPARATUS

John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Original application May 8, 1936, Serial No. 78,528. Divided and this application August 13, 1937, Serial No. 158,831

6 Claims. (Cl. 62—126)



1. Refrigerating apparatus comprising an evaporator tank having a pair of spaced transverse partitions therein forming an inlet compartment therebetween, an inlet for liquid to said compartment, a plurality of spaced vertical partitions in the tank extending upwardly from the higher of said transverse partitions, said vertical partitions being grouped in pairs to form alternate liquid wells and vaporization chambers therebetween, said chambers being rendered noncommunicating by every second vertical partition and each of said wells being in free communication with the inlet compartment and one of said chambers, outlet means for vapor from the chambers, and means forming a discharge passage for liquid from each of said chambers, said means extending through both of said transverse partitions.

2,155,665

PUPPET

Vera Leeper, Yorktown Heights, N. Y.

Application March 26, 1938, Serial No. 198,167

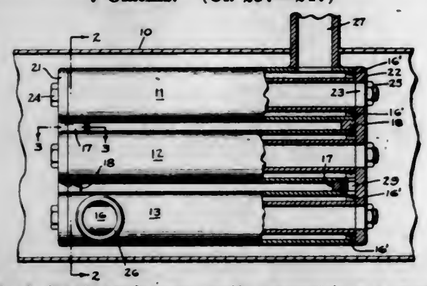
5 Claims. (Cl. 46—154)



1. In a puppet, a body including a flexible foundation member in the form of a covering adapted

to fit the end of an upwardly directed single finger, arms attached to said foundation member, and flexible operating elements each connected to one of said arms and joined together at the rear of said body and operable by the thumb of the supporting hand.

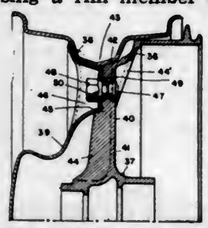
2,155,666
HEAT EXCHANGE UNIT
Clarence A. Leidig, Buffalo, N. Y., assignor of forty-five per cent to Silas C. Wead, North Tonawanda, N. Y.
Application December 4, 1936, Serial No. 114,218
7 Claims. (Cl. 257—247)



5. A heat exchange unit comprising a series of tubular members of elongated cross-section arranged in parallel relationship along an axis coincident with their shorter cross-sectional extent, a second series of tubular members of substantially similar cross-section as the tubular members of said first series but of smaller cross-sectional area than said first series, one each of said second series of tubular members being arranged centrally within each of said first series of tubular members to provide fluid chambers extending continuously about the smaller tubular members, said inner and outer tubular members being of substantially the same length, a closure member at each end of said tubular members having a flat face disposed against the ends of the several tubular members for closing off said fluid chambers and having apertures therein communicating with the interiors of the tubular members of said second series whereby the outer surfaces of said first series of tubular members and the inner surfaces of said second series of tubular members are utilized in radiating heat, passages for establishing communication between adjacent annular chambers, said passages being disposed alternately at opposite ends of said tubular members, an inlet port for communicating with the annular chamber at one end of said series of tubular members and an outlet port communicating with the annular chamber at the opposite end of said series of tubular members, and tie rods disposed in said fluid chambers and engaging at their opposite ends with the end closure members to retain said closure members in a fluid-tight manner against the ends of said tubular members in assembled relation.

2,155,667
WHEEL
Frank H. Le Jeune, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Original application August 15, 1932, Serial No. 628,930. Divided and this application August 12, 1935, Serial No. 35,855
5 Claims. (Cl. 301—6)

1. In a wheel, the combination of a hub member, wheel supporting means on said hub member provided with a tapered seat, and a wheel unit comprising a rim member supported upon



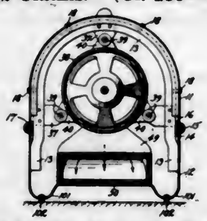
said seat and a disk member permanently secured to said rim member and detachably secured to said supporting means.

2,155,668
PACKAGE
John W. Little, Pawtucket, R. I., assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass., a corporation of Massachusetts
Application October 11, 1935, Serial No. 44,526
2 Claims. (Cl. 229—87)



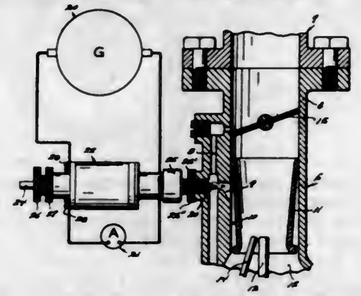
1. A package comprising a commodity, an enclosing wrapping therefor comprising an outer sheet of transparent cellulosic material and a pigment layer over substantially the entire inner face thereof to simulate an interior enclosed wrapping of like color and an inner sheet of waxed paper having a central relatively stiff zone to provide an encircling band about the commodity defining the shape of the enclosing wrapping, the two sheets being folded as one about the body and sealed by the coherence of the wax and the outer face of the wrapping.

2,155,669
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application March 12, 1935, Serial No. 10,620
12 Claims. (Cl. 183—37)



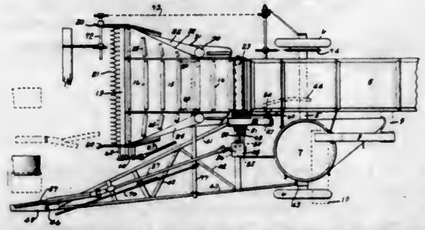
1. A casing for a vacuum cleaner including a front member, a lower shell, an upper shell, said front member being formed with an inlet opening and an outlet opening, means for securing said shells together and to said front member, a dust bag in said casing, said front member having an inclined wall formed with an opening, means for securing the open end of said dust bag in said opening, said lower shell having runners for movably supporting said casing on a surface, a flexible hose, and means for connecting an end of said hose to said opening, said hose being adapted for pulling said casing around on said surface.

2,155,670
CONTROL FOR CARBURETOR IDLING SYSTEMS
Albert C. Macbeth, Seattle, Wash.
Application January 18, 1937, Serial No. 121,092
4 Claims. (Cl. 123—124)



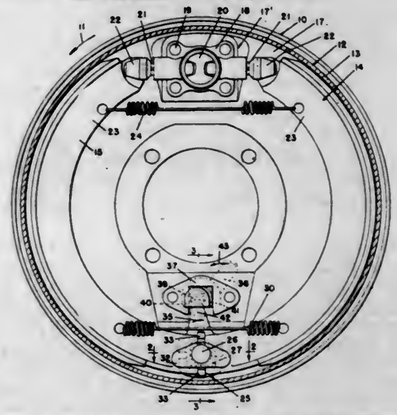
1. In an internal combustion engine with which is employed a generator driven by said engine, the combination therewith and with a fuel-feeding carburetor characterized by the provision of a by-pass through which fuel and air are drawn under engine vacuum following throttle-valve closure, generator-governed means acting entirely in response to engine speed for decreasing the effective volume of air available through said by-pass at an idling motor speed and increasing said available volume of air at a predetermined engine speed in excess of said idling speed.

2,155,671
COMBINATION HARVESTER THRESHER
Wallace F. MacGregor, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application May 20, 1936, Serial No. 80,729
3 Claims. (Cl. 56—21)



1. In a machine of the class described, a thresher, supporting means arranged to carry the thresher in a predetermined direction, said thresher including a feed chamber and a cylinder at its forward end, a beater in said chamber, a header comprising cutting mechanism and a plurality of carriers pivotally connected to the thresher, said carriers including lower and upper rollers, a sprocket-and-chain system connecting said cylinder, upper rollers and beater, a drawbar connected to the thresher and header and shiftable relatively to said supporting means, a power shaft supported on the drawbar and connected to and driven by a tractor, means connecting the power shaft and cylinder for actuating the latter and said beater, rollers and carriers, and means connecting the power shaft and cutting mechanism for actuating the latter to cut crop material to be conveyed by the carriers and directed by said beater to the cylinder to be threshed.

2,155,672
BRAKE MECHANISM
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application July 6, 1936, Serial No. 89,192
13 Claims. (Cl. 188—78)



1. In a brake mechanism, a brake drum, a backing plate for the drum, brake friction means having spaced ends and located within the drum for shifting movement circumferentially of the drum and for radially outward movement into engagement therewith, an abutment extending axially of the drum between the ends of the friction means, a cam mounted on the abutment for rocking movement in a plane substantially parallel to the plane of rotation of the drum and for limited shifting movement with the friction means relative to the abutment, means on the cam engageable with the ends of the friction means, and an operating lever rockably supported intermediate the ends thereof on the backing plate exteriorly of the drum for swinging movement about an axis extending radially from the axis of rotation of the drum and having a socket at one end for receiving a portion of the cam.

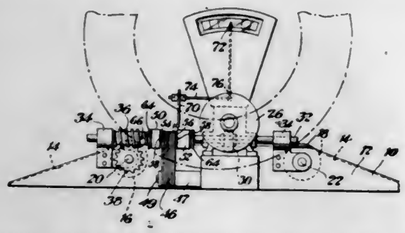
2,155,673
ANTHRAQUINONE PRODUCTS AND METHOD OF MAKING
Alfred Miller, Orchard Park, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 2, 1937, Serial No. 123,615
11 Claims. (Cl. 260—377)

4. The method of preparing a 1-amino-2-nitro-4-acylamino-anthraquinone, which comprises subjecting a 1,4-diacylamino-2-nitro-anthraquinone to the hydrolytic action of sulfuric acid to remove the acyl group in ortho position to the nitro group.

2,155,674
BRAKE TESTING
John D. Morgan, South Orange, and Thomas Anderson, Elizabeth, N. J., assignors to Power Patents Company, Hillside, N. J., a corporation of Maine
Application September 15, 1936, Serial No. 100,804
3 Claims. (Cl. 265—25)

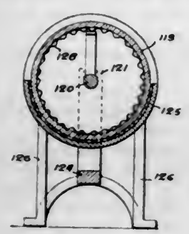
2. In automobile brake testing apparatus, a pair

of parallel spaced horizontally journalled rollers adapted to form a cradle for an automobile tired wheel, a reversible motor and drive shaft and reduction gear mechanism connecting the same to one of said rollers whereby a wheel of said automobile can be rotated in either direction, a mounting for said drive shaft permitting movement thereof in either direction along its longitudinal axis under a thrust load, a flexible cantilever beam disposed at right angles to said drive shaft and operatively connected thereto so as to



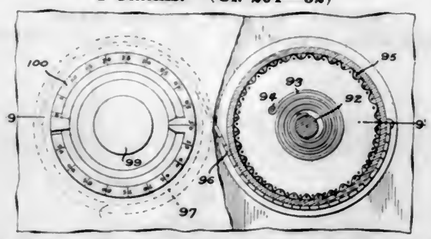
oppose thrust movements of said drive shaft while undergoing deflection therewith, means operatively connecting the drive shaft and beam mounted to insure application of the thrust load to the beam in a direction aligned with the axis of the shaft, and mechanism for measuring the resistance developed by a braking force applied to the automobile wheel comprising a brake resistance indicator operatively connected to the beam for actuation thereby an amount proportional to the deflection of the beam under a longitudinal thrust movement of the shaft.

2,155,675
OZONIZER
Melvin J. Napier, Akron, Ohio, assignor to Lowell Air Conditioning Corporation, Philadelphia, Pa.
Original application March 30, 1936, Serial No. 71,768. Divided and this application December 5, 1936, Serial No. 114,494
2 Claims. (Cl. 204—32)



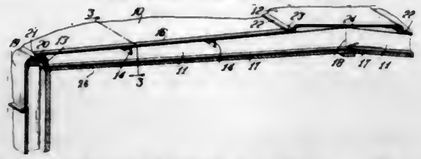
1. In an air conditioner, an ozone generator comprising a support having end standards, a glass cylinder, heads of insulation closing ends of said cylinder, a metal sleeve fitting snugly within said cylinder between the heads and constituting an inner electrode, a metal shaft extending axially through the cylinder with end portions passing through the heads and supported by said standards, and adapted to have a circuit wire attached thereto, an arm extending radially from said shaft within the cylinder and engaging the metal sleeve, and a metal trough-shaped plate bearing against the under portion of the cylinder between the caps and having depending supporting legs, said plate constituting an outer electrode and adapted to have a circuit wire connected therewith.

2,155,676
ADJUSTABLE OZONIZER
Melvin J. Napier, Akron, Ohio, assignor to Lowell Air Conditioning Corporation, Philadelphia, Pa.
Original application March 30, 1936, Serial No. No. 71,768. Divided and this application December 5, 1936, Serial No. 114,495
4 Claims. (Cl. 204—32)



1. An ozone generator consisting of a cylinder of insulating material rotatably mounted, a shaft extending axially through the cylinder, a cylindrical metal screen fitting snugly within the cylinder and constituting an inner electrode, a metal curtain constituting an outer electrode and secured at one end against the outer face of the cylinder, a winding spring coiled about said shaft with one end anchored to the shaft and its other end anchored to the cylinder whereby the spring will be wound and tensioned when the cylinder is rotated in a direction to unwind the curtain, a second cylinder rotatably mounted and having the other end of the curtain secured thereto, and means for rotating the second cylinder in a direction to wind the curtain thereon and unwind the curtain from the first cylinder.

2,155,677
CAR ROOF
Karl F. Nystrom, Milwaukee, Wis., assignor, by mesne assignments, of one-half to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania and one-half to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application March 10, 1937, Serial No. 130,107
7 Claims. (Cl. 108—5.4)



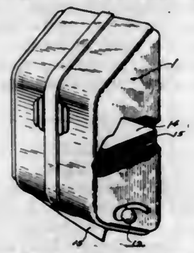
1. In a car roof, a series of carlines, roof sheets extending longitudinally of the car to span a series of carlines and secured to each carline by welding, said sheets extending transversely of the car from the eaves to a point spaced from the ridge, and running board sections complementary to said roof sheets arranged in a higher plane and provided with depending edge portions terminating in base flanges welded to the upper edge portions of said sheets, said running board sections being also centrally attached to the carlines at the ridge.

2,155,678
MOTOR FUEL
Johan C. D. Oosterhout, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1935, Serial No. 28,247
9 Claims. (Cl. 44—9)

1. A composition comprising tetraethyl lead

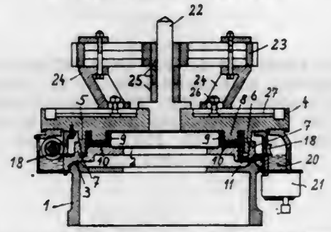
normally unstable and tending to deteriorate and form a cloud, stabilized against such deterioration and cloud formation by lecithin in the amount of about 1 to 15% of the weight of the tetraethyl lead, said tetraethyl lead being the sole essential ingredient stabilized by said lecithin.

2,155,679
TOWEL DISPENSER
Jay C. Perrin, Los Angeles, and Paul L. Geer, Berkeley, Calif.; said Geer assignor to said Perrin
Application March 3, 1937, Serial No. 128,802
6 Claims. (Cl. 312—51)



1. A towel dispenser comprising a cabinet having a dispensing opening, spaced towel supporting members in the cabinet, a movable dispensing member normally disposed to obstruct the passage of towels through said opening, said cabinet being adapted to support a stack of towels each of which is folded to define two folds of which one has a free marginal portion adapted to gravitate towards said dispensing member and a notch in another marginal portion thereof, and means operable on the exterior of said cabinet for first moving said dispensing member from said normal position into position of registration with said notch and finally movable between said folds back to said normal position to force said free marginal portion out through said dispensing opening.

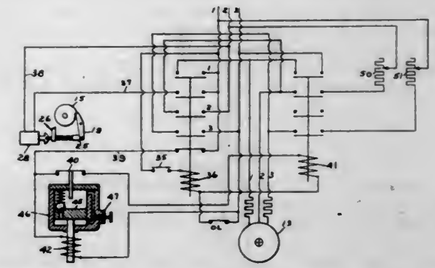
2,155,680
ROTARY TABLE FOR MACHINE TOOLS
Michael Pfauter, Chemnitz, Germany
Application May 4, 1938, Serial No. 206,049
In Germany December 24, 1935
6 Claims. (Cl. 90—58)



1. A rotary table for a machine tool comprising a support, a centering device on the table and support, and a device for relieving the load of the table on the support by the action of fluid under pressure, said devices being separate from one another.

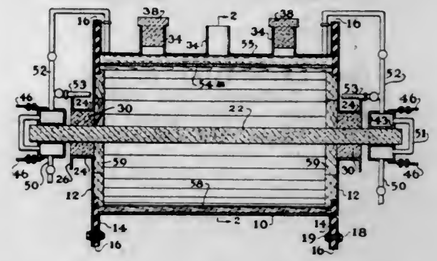
2,155,681
AUTOMATIC POSITIVE STOP FOR ROTATING SPINDLES
Ralph E. Price, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application September 3, 1937, Serial No. 162,391
4 Claims. (Cl. 172—179)

4. A mechanism for stopping a rotating spindle comprising a motor for driving said spindle, a stop on said spindle, a stop engaging element normally in the path of said stop, a control mechanism for said motor including a starting switch, circuits operable upon closing said switch for moving said stop engaging means to inoperative position and for starting said motor, a normally closed circuit, a normally closed time delay switch



in said circuit, means including said time delay switch for effecting a reverse movement of said motor and means operable upon opening said starting switch for releasing said stop engaging means, stopping the flow of current to said motor and for closing the circuit through said time delay switch whereby to effect said reverse movement and after a predetermined time to open said reverse circuit.

2,155,682
METHOD OF MAKING ABRASIVE METAL CARBIDES
Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Original application November 21, 1935, Serial No. 50,932. Divided and this application May 14, 1936, Serial No. 79,646
8 Claims. (Cl. 23—208)



7. The method of making an abrasive metal carbide comprising the steps of providing a furnace charge containing carbon and the oxide of said metal proportioned for the synthesis of said carbide, electrically heating the charge around a resistor in a closed furnace to the temperature of reaction and progressively forming an enlarging ingot of the metal carbide, while positively excluding air from the furnace, and at the same time cooling the outer zone of the charge and controlling the temperature thereof to insure the retention of a desired volatilized reagent within the charge, and thereafter cooling and solidifying the ingot.

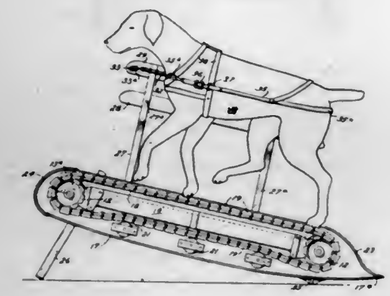
8. The method according to claim 7 in which the ingot is cooled and solidified after the completion of the reaction in an inert atmosphere from which oxygen and nitrogen are excluded.

2,155,683
GLAZING HAMMER
Joseph Riedel, Peru, Ill., assignor to W. H. Maze Company, Peru, Ill., a corporation of Illinois
Application June 23, 1937, Serial No. 149,841
3 Claims. (Cl. 1—44)



1. A glazing hammer as described having a handle and a head, said head having a flat striking face parallel to the handle and outwardly curved side faces, said striking face width being greater at the lower than at the upper portion thereof and being truncated in shape.

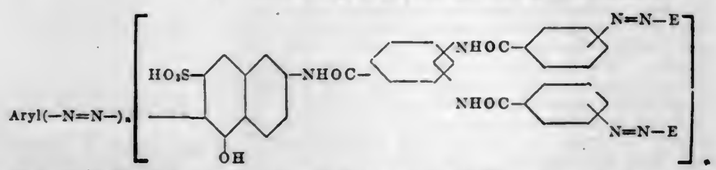
2,155,684
DOG EXERCISING DEVICE
John R. Richards, Oak Park, Ill.
Application July 1, 1937, Serial No. 151,462
11 Claims. (Cl. 119—29)



1. In an exercising device for dogs or the like, a frame; a plurality of rotatably journalled pulley wheels mounted at the ends of said frame, said pulley wheels being in substantially parallel planes; an endless tread belt rollable on said pulley wheels, said tread belt consisting of a pair of chains having a plurality of transverse treads secured thereon; means for supporting the upper run of said tread belt to prevent sagging thereof; means for adjusting and varying the incline of said frame, tread belt and connected parts; a pair of upwardly extending side standard sections attached to the opposite sides of said frame; a plurality of springs secured on each of said side standard sections, said springs being attached at spaced apart points on each of said sections, and an adjustable dog harness anchorable to said springs to permit forward or rearward movement of a dog and to provide a yieldable bracing means for a dog or the like.

2,155,685
AZO DYES
Swanie S. Rossander, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1938, Serial No. 191,974
7 Claims. (Cl. 260—166)

1. A compound represented by the formula:



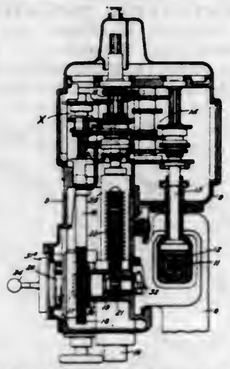
in which n and n' are the same member of a class of digits consisting of 1 and 2, aryl is the nucleus of a compound having a single aromatic nucleus from the class consisting of benzene, naphthalene, diphenyl, and azobenzene, each nucleus has one or more members of the class consisting of hydrogen, halogen, alkyl, alkoxy, amino, nitro, acetyl-amino, carboxyl, and sulfonic acid, and E is an end component from the class consisting of beta-naphthol, phenyl-methyl-pyrazolone, aceto-acet-anilide, and meta-tolylene-diamine.

2,155,686
METHOD OF KNITTING HOSIERY
Erwin Ruckel, Richmond Hill, N. Y., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y., a corporation of New York
Application October 29, 1937, Serial No. 171,621
2 Claims. (Cl. 66—82)



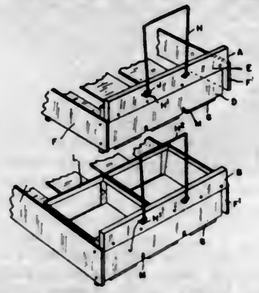
1. The method of knitting upon a flat knitting machine the leg and foot of a stocking consecutively as a unit, which consists of knitting two spaced sections of sole ravelling courses, moving them out of knitting position without removing them from the needles, knitting the leg, knitting at least one intermediate course, placing the sections of sole ravelling courses in knitting position again, then knitting the first course of the foot whereby the foot is joined to the last knit intermediate course and also to the sole ravelling course sections.

2,155,687
SAFETY MANUAL AND POWER SPINDLE DRIVE
Lawrence Lee Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Cincinnati, Ohio, a corporation of Ohio
Original application December 13, 1935, Serial No. 54,206. Divided and this application September 10, 1936, Serial No. 100,116
9 Claims. (Cl. 77—33)



1. A drilling machine combining a translatable spindle sleeve; a toothed rack formed at one side thereof, said rack having blank portions at each end; a pinion meshing with said toothed rack adapted on rotation to translate said sleeve; manually operable means connected directly with said pinion for rotating same at a relatively rapid rate; a spindle stop mechanism permanently connected with and driven by said manual means operative to stop axial movement of said sleeve at a predetermined position prior to the engagement of said pinion with either one of said blank portions of the spindle sleeve; reduction gear connections between said stop mechanism and said first manually operable means; auxiliary manual means for rotating said pinion at a relatively slow rate, said means including part of said reduction gear connections, said stop mechanism thereby functioning as set forth irrespective of which of said two manually operable means is actuated.

2,155,688
SHIPPING CRATE
Donald C. Schubel, Port Huron, Mich., assignor to Bert Easton, Brighton, Mich.
Application April 26, 1937, Serial No. 139,083
2 Claims. (Cl. 217—13)



1 A shipping crate comprising a series of superposed trays each formed of relatively thick end members of a predetermined height to receive the contents of the tray, transverse reinforcing cleats extending from side to side overlapping and secured to the outer faces of and extending above said end members, relatively thin side slats extending between said end members and beyond the same to terminate flush with said cleats, and relatively thin bottom slats terminating flush with the outer faces of said end members, the cleats of each tray extending upward to overlap the ends of the superposed tray and to extend between the projecting end portions of the side slats thereof, the bottom slats of said superposed tray resting on the end members of the lower tray, whereby said trays are held against relative endwise or sidewise displacement.

2,155,689
SWITCH
Valentine Sherman, Houston, Tex., assignor of one-third to Earl W. Thoma and one-third to Walter Henry Scherer, both of Houston, Tex.
Application October 30, 1937, Serial No. 171,811
9 Claims. (Cl. 200—152)



1. In a toggle switch, a support having an opening therein, a pair of electrical conductors mounted within said support on opposite sides of said opening and having parts providing aligned bearings on opposite sides of said opening, an oscillatable switch body of electrically non-conductive material having an enclosed endless channel therein, supported aligned pintles of electrically conductive material extending from opposite sides of said body and having their outer ends pivotally connected by said aligned bearings, an electrical conductor extending from each of said pintles through the interior of said body and exposed to the interior of said channel at opposite portions thereof, the points where said conductors are exposed to the interior of said channel being spaced from but adjacent to each other.

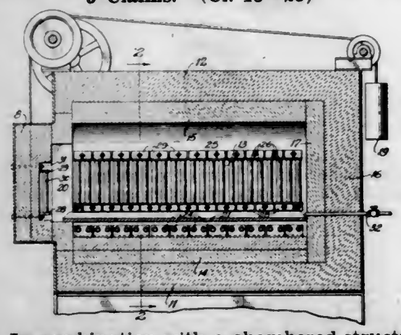
2,155,690
MEANS FOR HOLDING BED COVERS
Andrew Simpson, Seattle, Wash.
Application August 9, 1938, Serial No. 223,905
3 Claims. (Cl. 5—320)



2. A sleeping bed with mattress and covers thereon, and means for maintaining by friction and lower ends of such covers in a predetermined

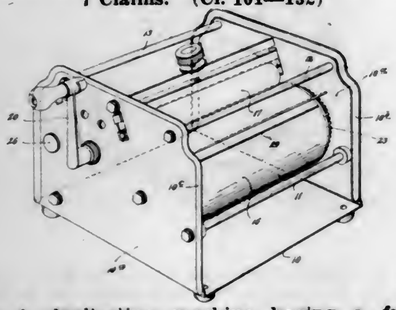
position over the foot of said mattress, including a rectangular strip of fabric with one edge thereof positioned over and across the top of said covers adjacent the foot of said mattress, the other edge thereof turned down at right angles and across the lower ends of such cover and mattress drawstrings looped through the opposite ends of such strip, the ends of such fabric bent forward from the foot of said bed and crimped longitudinally for confining such covers loosely over such mattress, and means connecting said loops to said bed below the top of such mattress, for retaining said strip in said positions for predetermined periods.

2,155,691
TUBULAR HEATING ELEMENT FOR FURNACES OR THE LIKE
Cary H. Stevenson, Chicago, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1937, Serial No. 178,266
5 Claims. (Cl. 13—25)



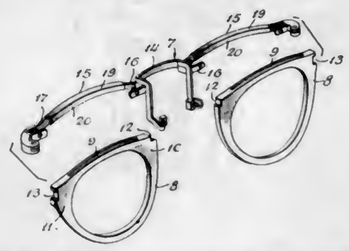
1. In combination with a chambered structure, a plurality of tubular heating elements adapted to be heated when electrically energized and in communication at different elevations with the interior of the chamber for disseminating heat thereinto by radiation and convection, and electrically conductive bracket means secured to the structure and to the heating elements for supporting the heating elements in series arrangement at vertically separated points and supplying current thereto, in series through the bracket means and tubes.

2,155,692
DUPLICATOR
Frederick W. Storck, Arlington, Mass., assignor to Standard Mailing Machines Company, Everett, Mass., a corporation of Massachusetts
Application January 22, 1938, Serial No. 186,407
7 Claims. (Cl. 101—132)



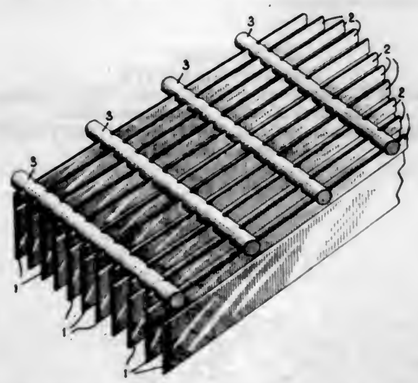
1. A duplicating machine having a frame formed of a continuous sheet of material formed to a desired contour and comprising a base and side walls extending upwardly from opposed sides of said base and adapted to support the operating elements of said machine, together with tie members disposed above said base and extending between said opposed side walls.

2,155,693
OPHTHALMIC MOUNTING
Vincent Tanasso, Harrison, and Jacob J. Pomeranz, Brooklyn, N. Y.
Application June 14, 1938, Serial No. 213,566
5 Claims. (Cl. 88—41)



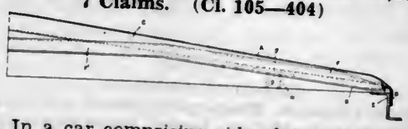
2. In an ophthalmic mounting, lens rims having opposed notches formed in the marginal side edges thereof, and each further having a recess in its upper edge, and a frame including rim portions for supporting said rims, and each having straps at its ends extending around the marginal edges of the associated rim and engaging in said notches therein, said rim portions each further provided with a retaining member extending over the upper edge of its rim and in the recess therein.

2,155,694
GRATING
Frederick Tench, White Plains, N. Y., assignor to L. T. Corporation, a corporation of New Jersey
Application July 24, 1937, Serial No. 155,379
8 Claims. (Cl. 189—82)



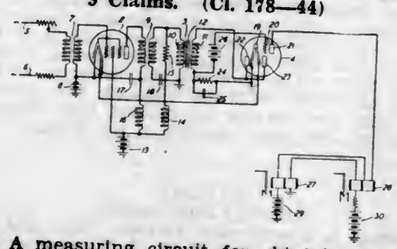
1. A metallic grating provided with a plurality of spaced bearing bars comprising plates set on edge with the upper ends lapped or bent over to provide heads having a double thickness of metal each having a free edge lying adjacent the bearing bar and a plurality of spaced crossing rods welded to said heads.

2,155,695
LOADER ANCHORAGE FOR RAILWAY CARS
William D. Thompson, Birmingham, Mich., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Application April 20, 1936, Serial No. 75,472
7 Claims. (Cl. 105—404)



1. In a car comprising side plates, and a roof having upper and lower plane panels extending across between said side plates and secured thereto said panels and connecting intermediate portions forming the sole roof supporting trusses, a loader support comprising a beam independent of and out of contact with said roof supported at its opposite ends on said side plates and extending across the car, a portion of said beam being within the space beneath an upper panel and between the same and the plane of the lower panel of the roof said beam being at all times out of stress communicating contact with said roof.

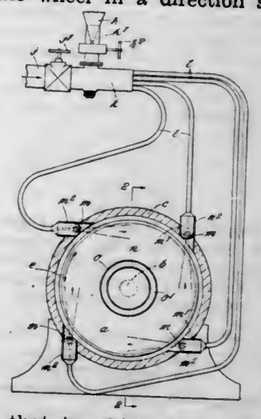
2,155,696
MEASURING CIRCUIT
Henry E. Vaughan, Valley Stream, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1937, Serial No. 167,914
9 Claims. (Cl. 178—44)



2. A measuring circuit for obtaining a more than proportional change in the energy variations of a received control current comprising a transformer having primary and secondary windings and a core with a high permeability, means for energizing said primary winding according to variations in a received control current, means for constantly energizing the primary winding to maintain said core normally saturated and to prevent effective operation of said transformer until a received control current has sufficient strength to overcome the bias, and means having a relatively high impedance for rectifying the potential output from said transformer.

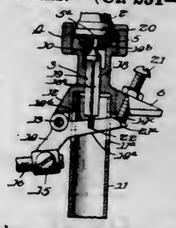
2,155,697
APPARATUS FOR PULVERIZING MINERALS AND OTHER MATERIALS
Charles William Young, South Norwood, London, England, assignor of one-half to Albert Robert Wilson, Leigh-on-Sea, Essex, England
Application November 26, 1937, Serial No. 176,471
In Great Britain October 2, 1936
1 Claim. (Cl. 83—46)

Pulverising apparatus comprising a casing, an abrasive wheel having at least one flat end and being arranged in said casing, means for projecting the material to be pulverized on to the flat end surface of said wheel at an angle of about 15° at the point of impingement, means for rotating the wheel in a direction substantially



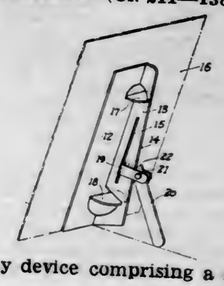
opposed to that in which the said material is projected, and exhausting means for the treated material.

2,155,698
FLOAT OPERATED SUPPLY VALVE
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 7, 1935, Serial No. 5,356
10 Claims. (Cl. 251—130)



1. In a supply control for liquid containers, comprising in combination a tank, a valve casing having an inlet and outlet, a valve member disposed below the said inlet, the said valve member being normally adjusted to permit a restricted liquid passage past the said valve member, a guide for the said valve member, the said guide forming a substantial line bearing contact within the said casing, a lever for actuating the said valve member, the said lever actuating means providing for increased liquid passage past said valve and its guide upon said lever reaching a predetermined position.

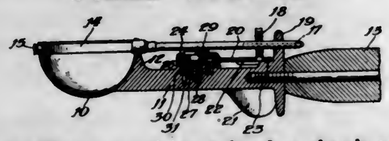
2,155,699
DISPLAY DEVICE
John S. Connors, Cleveland, Ohio
Application May 12, 1938, Serial No. 207,539
4 Claims. (Cl. 211—138)



1. A display device comprising a main section

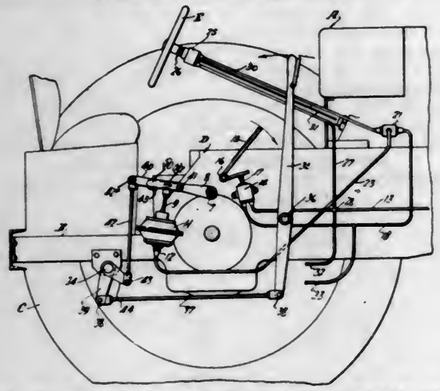
and a prop pivotally and slidably secured to said main section and adapted to be positioned to support said main section in different angular positions, the upper end of said prop having a cam surface and the adjacent portion of said main section having a tapered surface adapted to be engaged by said cam surface to provide automatic locking means for holding said prop in the desired position.

2,155,700
DISHER
Patrick F. Donahue, Waterville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 3, 1938, Serial No. 188,533
2 Claims. (Cl. 107—48)



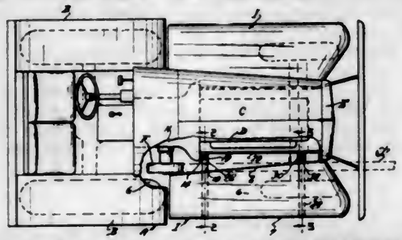
1. A disher comprising a bowl, a shank and a handle rigidly connected together, an upward extension on the shank adjacent the handle, a socket having a single opening formed in the shank, a raised bearing surface on the shank between the socket and the upward extension, an arcuate, substantially flat rack having an apertured end adapted to seat on said socket wall and having an apertured edge portion bearing on said flat bearing surface, a screw extending through the apertured rack into the socket, connecting the rack to the shank and closing the socket and the opening in the rack, a scraper shaft connected to the scraper and rotatably mounted in said extension on the shank, said rack and screw connection being located between the scraper shaft and the shank, and a gear on the shaft engaging the rack.

2,155,701
AIR BRAKE
Nels E. Erickson, Minneapolis, Minn., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application February 16, 1938, Serial No. 190,742
5 Claims. (Cl. 188—106)



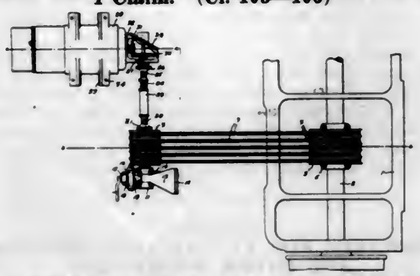
1. In a brake system for traction wheels of a tractor, brakes for the said wheels and the said brakes including shafts and operating arms extending therefrom, compressed air operated elements pivotally connected to the operating arms between the ends thereof, control means for the compressed air operated elements, lift bars pivoted at one end to the operating arms between the aforesaid connections and the shafts, the said lift bars having lift members extended transversely of the operating arms adjacent the free ends thereof, and manually operated brake setting means connected to the free ends of the lift bars.

2,155,702
TRACTOR FENDER
Nels E. Erickson, Minneapolis, Minn., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 30, 1938, Serial No. 205,268
8 Claims. (Cl. 280—152)



5. A device for mounting a fender alongside a tractor, comprising a bracket member secured to the side of the tractor and having a supporting portion extending laterally outwardly from the tractor frame, an arm secured crosswise to the underside of the fender and extended horizontally at one end clear of the inner margin of the fender and adapted at its inner end to engage the supporting portion of the bracket, and a screw extended vertically through the bracket and arm, and having its headed end disposed above the arm and inwardly of the fender.

2,155,703
GENERATOR DRIVE
Abraham L. Freedlander, Dayton, Ohio, and Erwin J. Schmidt, New York, N. Y., assignors to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application April 29, 1937, Serial No. 139,781
1 Claim. (Cl. 105—106)

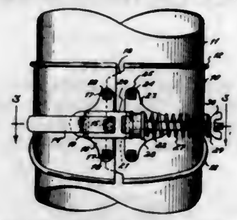


In combination, a car body adapted to be pivotally supported upon a car truck, a multiple V-belt drive comprising a driving pulley, a driven pulley and multiple V-belts; an axle and wheels for said truck, said axle supporting the driving pulley aforesaid; means for swingingly and yieldingly supporting said driven pulley, remote from said truck, upon the car body and normally with its axis parallel with that of the driving pulley, a generator arranged parallel with the longitudinal axis of the car, a right angle gear box and gear drive mounted on the head of said generator, and telescoping means adapted to connect said gear box drive with said driven pulley.

2,155,704
STABILIZATION OF PER COMPOUNDS
Arthur Watson Goodall and Oswald Hugh Walters, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 28, 1936, Serial No. 108,094. In Great Britain November 4, 1935
3 Claims. (Cl. 23—251)

1. The method of stabilizing a material selected from the group which consists of hydrogen peroxide and substances which yield hydrogen peroxide when treated with water or with an acid which comprises treating an aqueous solution of said material with silica gel which has been prepared outside of said solution, and then removing said silica gel from said solution.

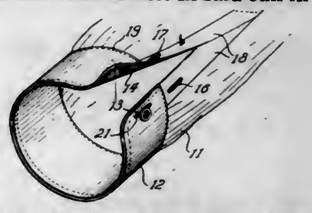
2,155,705
ADJUSTABLE TEMPLATE MEANS
Norman K. Gottwald, Chicago, Ill.
Application April 8, 1937, Serial No. 135,707
10 Claims. (Cl. 29—67)



1. Clamping means for positively gripping objects of varying external dimensions comprising relatively movable gripping portions for spanning an object, toggle means including a pair of pivotally engaging links one of which is pivotally connected to one of said gripping portions, a slidable member journaled in the other of said gripping portions and pivotally connected to the other of said toggle links, said toggle means being movable from a clamping position to a releasing position, spring means interposed between said slidable member and the other one of said gripping portions and adapted to be stressed upon movement of said toggle means to said clamping position for exerting on said gripping portions a force tending to draw said portions together positively to grip said object, and an adjustable connection between said spring means and said slidable member for adjusting said clamping means to provide for major variations in the external dimensions of the object, said spring means automatically compensating for minor variations in the external dimension of the object.

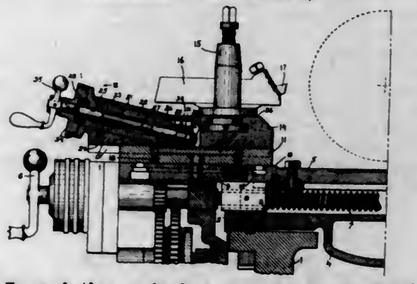
2,155,706
SHIRT
Marion W. Grigsby, Chicago, Ill.
Application May 5, 1938, Serial No. 206,106
3 Claims. (Cl. 2—123)

1. A shirt including a shirt sleeve split at its end, and a barrel-type split cuff secured to the end of the sleeve with the split in the cuff corresponding to the split in the sleeve, with said cuff having a button at one end and a button-hole at the other end for receiving said button to close the cuff in a barrel formation, a pair of button holes in the sleeve with one on each side thereof adjacent the split in the sleeve and oppositely positioned with said cuff in folded position having the button and button-hole in said cuff in registry



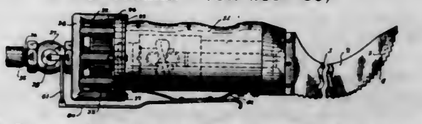
with the pair of button-holes in the sleeve whereby said button is inserted through the pair of sleeve button-holes and through said cuff button-hole to provide a normal appearing French-type cuff.

2,155,707
COMPOUND REST FOR LATHES
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 27, 1938, Serial No. 216,017
6 Claims. (Cl. 82—24)



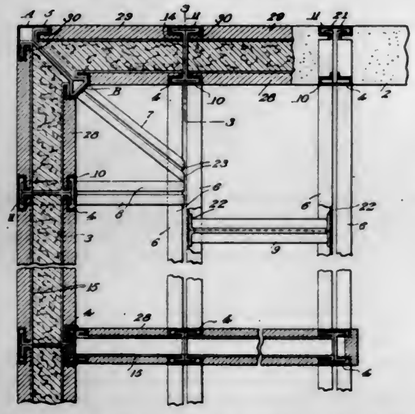
2. In a lathe, a bed, a carriage mounted on said bed, a cross slide mounted on said carriage, a compound rest movably mounted on said cross slide, means for actuating said compound rest comprising a rack fixed on said cross slide, a shaft angularly related to said rack, a worm on said shaft operatively engaging said rack, and means for rotating said shaft to effect movement of said compound rest.

2,155,708
MOTOR
Andrew S. Hartanov, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 18, 1937, Serial No. 126,490
5 Claims. (Cl. 253—56)



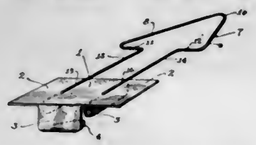
1. In combination with a drive shaft, a drive means comprising a rotor provided with a plurality of peripheral recesses and rigidly secured to the shaft, and a manifold assembly comprising a series of tubes coaxially arranged in spaced relation relative to the periphery of the rotor, each of the tubes being provided with an outlet jet adapted for directing fluid under pressure against the rotor recesses and a fluid supply means connecting each of the tubes.

2,155,709
BUILDING UNIT
John V. Patterson, Pittsburgh, Pa.
Application March 17, 1936, Serial No. 69,384
15 Claims. (Cl. 189—1)



1. A fabricated building comprising pilasters, means tying said pilasters together and having interlocking connections therewith, floor and ceiling beams interlocked with said pilasters and each including spaced companion sections, said floor beams supporting said pilasters on a foundation with said pilasters protruding between the companion sections thereof to anchor said sections and the pilasters to the foundation, wall constructions supported by the pilasters, and a roof secured to the ceiling beams.

2,155,710
TONGUE PROTECTOR
Andrew S. Hartanov, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application March 31, 1937, Serial No. 134,170
6 Claims. (Cl. 17—1)



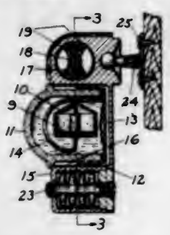
1. A tongue protector comprising a guard means interposed between the teeth and the tongue tip provided with holding means adapted to be secured within the cranial cavity.

2,155,711
HOSE SUPPORTER
William E. Hatheway, Bridgeport, Conn.
Application September 22, 1934, Serial No. 745,069
Renewed March 10, 1938
1 Claim. (Cl. 24—245)

In a garment supporter clasp of the type including a flexible supporting base member, a flanged button of rubber secured thereto near its lower end, and a rigid loop member hingedly connected near the upper end of said base member and having a contracted parallel sided throat portion for engagement with said button between its flange and said base member, the improvement wherein said button comprises a head formed of flexible resilient rubber having a collet and a laterally projecting annular flange at its upper end, said button having a central axial passage therethrough, a stud engaged in said passage and secured to said base member and having a laterally extending head at the upper side of said rubber head adapted to axially confine said collet to retain it against flexing, the lateral dimension of said flange between its outer periphery and said collet being greater than the thickness of said flange between its upper and lower surfaces, whereby said flange is capable of easy flexing relatively to said collet, the axial height of said collet between said base member and said flexible flange being substantially equal to the thickness of said throat portion, whereby the lower surface of said throat portion normally engages said base and said flange normally engages the upper surface of said throat portion in an unflexed state, and whereby upon engagement of a garment in said loop member between said throat portion and said flange the thickness of said garment causes said flange to flex outwardly whereby it is under stress to tightly and resiliently clasp said garment.



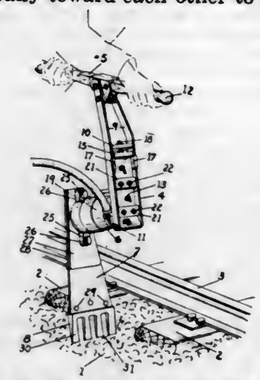
2,155,712
MAGNETIC COMPASS
Walter E. Hull, Warren, Ohio
Application April 6, 1936, Serial No. 72,895
13 Claims. (Cl. 33—225)



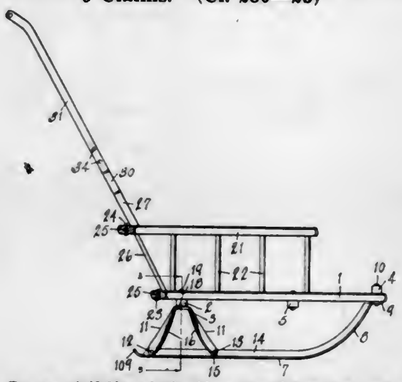
1. A compensating device for compasses comprising a compensating magnet, mounting means providing for rotation of said compensating magnet about a transverse axis thereof and in a substantially vertical plane and shielding means comprising spaced shield sections disposed relative to said compensating magnet to reduce the vertical force component of the external field compensating magnet, said shield sections being disposed to surround the compensating magnet with their adjacent edges spaced apart to define slots lying in a vertical plane extending through said transverse axis.

2,155,713
BALLAST WORKING IMPLEMENT AND METHOD
Peter P. Jargick, West Chicago, Ill., assignor to Electric Tamper & Equipment Company, Ludington, Mich.
Application January 9, 1935, Serial No. 969
2 Claims. (Cl. 104—13)

1. In a ballast working implement of the character set forth, a tool comprising a yoke having a plurality of spaced prongs projecting therefrom, the ends of said prongs being sharpened and flared laterally toward each other to prevent the wedging of ballast stones therebetween in operation.



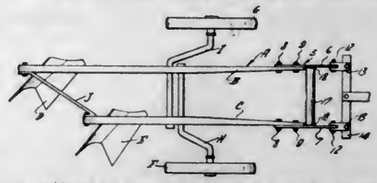
2,155,714
HAND SLED
William E. Kidder, Kalamazoo, Mich., assignor to Kalamazoo Sled Company, Kalamazoo, Mich.
Application November 22, 1937, Serial No. 175,825
6 Claims. (Cl. 280—23)



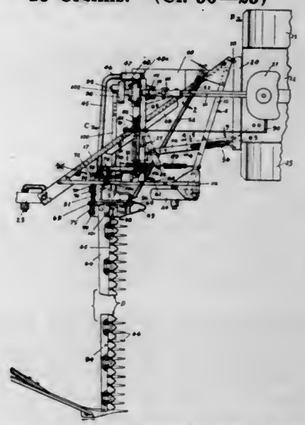
5. In a child's sled, the combination of side rails, cross pieces therefor, runners, a bottom, side bars disposed above said side rails in spaced relation thereto and with their rear ends projecting rearwardly beyond the rear ends of the side rails, side members connecting said side bars to said side rails, back cross pieces secured to the rear ends of said side rails and side bars, and a rearwardly inclined back piece secured to said back cross pieces and coacting with said side bars and side members to provide a triangular bracing structure.

2,155,715
ADJUSTABLE PLOW HITCH
William E. Knapp, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 4, 1938, Serial No. 199,922
3 Claims. (Cl. 97—107)

3. A hitch for the frontal end of a pair of transversely spaced plow beams, comprising a pair of side members pivotally secured to the respective beams and extending forwardly therefrom whereby the front ends of the members may be adjusted vertically, means for securing the members in selectively adjusted positions, a tubular cross member disposed between the side members and rigidly connecting the same, and a draft element attached to the frontal ends of the side members.



2,155,716
POWER MOWER
Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Application April 29, 1937, Serial No. 139,708
18 Claims. (Cl. 56—25)



1. A mower for attachment to a tractor or the like comprising a frame pivotally connected at one side to the tractor, fore and aft wheels supporting the other side of the frame and with freedom for self adjusting movement with the ground surface in the direction of travel, a releasable draft connection between said other side of the main frame and the tractor, and a cutting device attached to and extending transversely beyond the said other side of the main frame.

2,155,717
PROCESS FOR PREPARING ADDITION PRODUCTS OF ALKALI METAL PERBORATES AND UREA
Fritz Kühnle, Gotha, Germany, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 16, 1937, Serial No. 174,840. In Germany April 22, 1933
7 Claims. (Cl. 260—555)

1. A process for preparing addition products of alkali metal perborates and urea which comprises reacting an alkali metal perborate with urea.

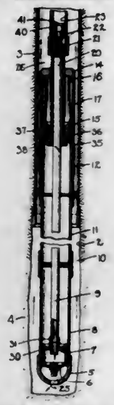
7. As a new chemical compound

$$NaBO_3.CO(NH_2)_2.$$

2,155,718
WASH-PIPE ANCHOR
Leslie A. Layne and Louis C. Mundt, Houston, Tex.; said Mundt assignor to said Layne
Application November 19, 1935, Serial No. 50,524
4 Claims. (Cl. 166—10)

1. The combination of a setting string and

wash pipe having a seal therebetween, a setting tool and strainer assembly having a seal therebetween, and an additional seal between said



wash pipe and said strainer assembly whereby said seals cut off the inflow or outflow of liquid relative to said assembly.

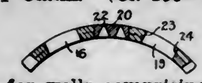
2,155,719

WELL STRAINER

Leslie A. Layne, Houston, Tex.

Application May 5, 1936, Serial No. 77,903

1 Claim. (Cl. 166—6)



A strainer for wells comprising a frame, said frame including longitudinally spaced bars, spaced annular rings engaged to said bars, and strainer inserts disposed in the openings formed by said bars and rings.

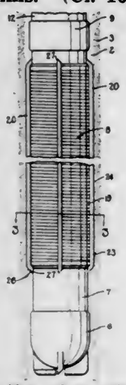
2,155,720

WELL STRAINER

Leslie A. Layne, Houston, Tex.

Application May 9, 1936, Serial No. 78,772

3 Claims. (Cl. 166—5)



1. A device of the character described comprising a perforated pipe, a wire wrapped strainer thereon, guard members for said strainer consisting of longitudinal bars fixed to the outer surface of the wrapped strainer, and a scraping edge on said bars to contact the wall of the formation as said strainer is set whereby to clean the face of the formation as said pipe is rotated.

2,155,721

GLASS-MAKING MATERIAL

Harley C. Lee, Columbus, Ohio, assignor, by mesne assignments, to Society for Savings in the City of Cleveland, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 1, 1936, Serial No. 93,882

9 Claims. (Cl. 106—36,1)

1. A glass-making material, which comprises silica, soda, and a lime component which is limestone calcined and superficially reacted in the calcining heat with one-tenth to one per cent of available boron oxide.

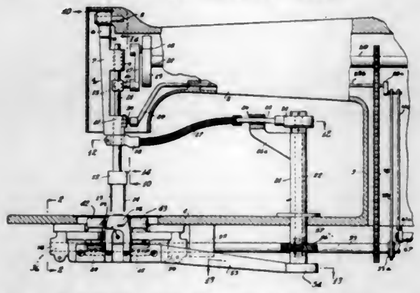
2,155,722

SEWING MACHINE

Fred M. Lee, Dearborn, Mich., assignor to American Lady Corset Company, Detroit, Mich., a corporation of Michigan

Application August 16, 1937, Serial No. 159,283

12 Claims. (Cl. 112—159)



1. In a sewing machine arranged for diagonal stitching, the combination of a plurality of relatively fixed, parallel needles, means for reciprocating said needles in unison vertically for insertion and withdrawal into and out of work, means for swinging said needles in unison diagonally of said work to form diagonal stitches therein, means for operating said last named means when the needles are withdrawn from the work, means for moving said needles in the direction of travel of the work while the needles are inserted in the work, and means for moving the work while the needles are inserted therein.

2,155,723

STABILIZATION OF TRICHLORETHYLENE

Arthur A. Levine and Oliver W. Cass, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 8, 1937, Serial No. 129,682

4 Claims. (Cl. 23—250)

1. A composition of matter comprising trichlorethylene and stabilizing amounts of a substituted phenol selected from the group which consists of p-tert-butyl phenol and p-tert-amyl phenol.

2,155,724

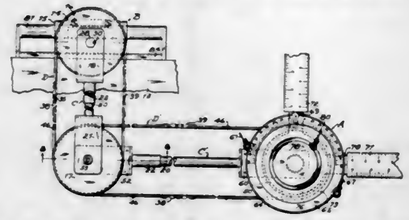
DRAFTING MACHINE

Charles H. Little, Cleveland Heights, Ohio, assignor of one-tenth to Charles Hubbard Little, Cleveland Heights, Ohio

Application March 25, 1935, Serial No. 12,869

9 Claims. (Cl. 33—79)

6. In a drafting machine comprising a parallel motion arm of the wheel and band type, the combination of a plurality of wheels, a strut operatively connected to said wheels for maintaining the same in spaced relation, a cable band encircling said wheels, a member adapted to be connected to a drafting board or the like, means for pivotally connecting one end of said parallel mo-



tion arm to said member for rotation about an axis parallel with the plane of the drafting board, and means for preventing rotation of said parallel motion arm about said axis for predetermined positions of the parallel motion arm in the plane in which it operates.

2,155,725

CARCASS TONGUE PROTECTOR

Carl L. Lohner, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application March 29, 1937, Serial No. 133,727

4 Claims. (Cl. 17—1)



1. A tongue protector comprising guard means for the tongue and holding means for securing the tongue protector in a carcass mouth, said holding means being adapted to be secured in a cranial cavity.

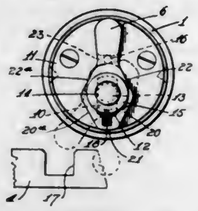
2,155,726

CYLINDER LOCK

Harold Machinist, New York, N. Y., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois

Application May 2, 1938, Serial No. 205,426

4 Claims. (Cl. 70—380)



1. In a cylinder lock including a casing, a lock cylinder journaled therein and a bolt-actuating arm carried by the end of the cylinder, said arm being adjustably engaged with the cylinder for movement transversely of the axis of cylinder rotation, together with a fixed abutment on the cylinder engageable with the peripheral portion of the arm when the cylinder is rotated, said peripheral portion being formed as a cam for causing the arm to be projected farther from said axis of cylinder rotation as it approaches engagement with the bolt which it is to actuate.

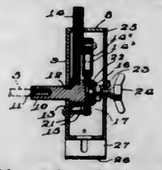
2,155,727

ELECTRIC SWITCH

Martin J. Madison, Philadelphia, Pa.

Application April 11, 1938, Serial No. 201,434

4 Claims. (Cl. 200—36)



4. The combination of a clock mechanism having an alarm winding shaft adapted to rotate at a predetermined time, with a switch mechanism comprising a shaft member detachably connected to said alarm shaft and through which said alarm shaft can be reversely rotated to wind the alarm mechanism, a disc frictionally carried by said shaft member and in turn carrying a metallic contact, and an oscillatory arm provided with another metallic contact, said last-mentioned contact being out of engagement with said disc contact when said arm and disc are in predetermined relative positions, and said contacts becoming inter-engaged upon the angular movement of either said arm or said disc into a different angular position.

2,155,728

VAPOR PHASE BLEACHING

Paul La Frone Magill, Ransomville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1937, Serial No. 182,842

2 Claims. (Cl. 8—108)

1. A process of bleaching dark-colored materials which comprises the step of contacting said materials with the vapors of tertiary butyl hypochlorite.

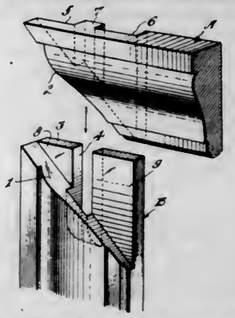
2,155,729

MITER JOINT

Anthony Mainieri, Cliffside, N. J., assignor to General Woodcraft Co., Inc., North Bergen, N. J., a corporation of New Jersey

Application April 28, 1938, Serial No. 204,799

2 Claims. (Cl. 20—92)



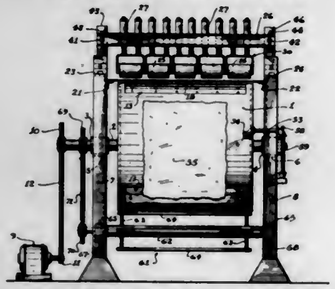
2. A miter joint including two sections each having at one end a mitered abutment surface for abutting relation to the corresponding surface of the other, one section having an integral wing extending longitudinally of the section beyond the corresponding abutment surface and having a recess extending longitudinally of said wing from said abutment surface through the end of

the wing, and the other section having parallel rabbets and a tongue between them extending transversely of the section from the corresponding abutment surface to the longitudinal edge of the section, said rabbets to receive the portions of said wing at opposite sides of said recess and said recess to slidably receive said tongue, whereby said sections can be assembled by relative movement thereof at right angles to each other in their common plane.

2,155,730
BELLY SKINNING MACHINE

Nick John Miller, St. Paul, Minn., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application November 16, 1936, Serial No. 111,161
10 Claims. (Cl. 146—130)



1. In a belly skinning machine including a frame, a drum providing a rigid surface rotatably mounted in the frame, a knife blade in fixed spaced relationship with the drum surface and means for securing bellies to the drum surface for carriage against the knife blade, a series of spring-tensioned presser rollers are ranged longitudinally of the drum surface and adapted for independent movement from and toward the drum surface and means connecting each of the rollers with the frame including a pair of parallel cylinders connected with the frame, a pair of rods connected with each of the rollers and adapted for slidable movement in the cylinders and a spring member on each of the rods for urging the rollers toward the drum surface.

2,155,731
PAPER TREATMENT

Harold S. Mitchell, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 13, 1935, Serial No. 40,460
1 Claim. (Cl. 91—68)

The method of treating paper stock for use in packaging products containing fats and oils which consists in incorporating a citric acid solution in the paper stock.

2,155,732
PERMUTATION PADLOCK

Anthony W. Molinare, Forest Park, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois

Application November 26, 1934, Serial No. 754,719
16 Claims. (Cl. 70—25)

1. In a permutation padlock, a shackle, a plurality of tumbler disks having alignable peripheral notches, means under control of said tumbler disks for securing the shackle in locked position, said means including a part movable into the notches of the tumbler disks when they are adjusted in registered relation, means by which movement of the shackle in unlocking direction moves said part into said notches, means acting during completion of the unlocking movement to withdraw said part from the notches, a tumbler-disarranging pawl engageable with at least one of said disks during said unlocking



movement, and spring means acting upon the pawl and connected to be tensioned by the unlocking movement of the shackle, whereby the pawl is shifted and throws said disk out of registered position when said movable part is withdrawn from the notches.

2,155,733
GELATIN

Roy C. Newton and Frank L. De Beukelaer, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

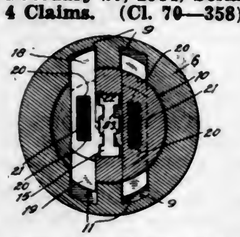
No Drawing. Application May 28, 1936, Serial No. 82,280
5 Claims. (Cl. 260—118)

1. The method of forming hollow spheres of dry gelatin which comprises forming drops of gelatin liquor and coating each individual drop with particles of dried gelatin, permitting the gelatin liquor to set to a jelly, and thereafter drying the individual jellied drops.

2,155,734
LOCK TUMBLER

Phillip W. Olson, Grand Rapids, Mich., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application February 20, 1934, Serial No. 712,240
4 Claims. (Cl. 70—358)



1. A lock comprising a pair of tumblers, a cylindrical plug having a longitudinal key-way with a transverse tumbler slot, a pair of tumblers arranged side by side and movable in opposite directions in the same slot, the tumblers having median apertures, and a spring compressed between the apertures of the tumblers and retained therein by the sides of the slot and tending to press the tumblers outwardly from the opposite sides of the plug.

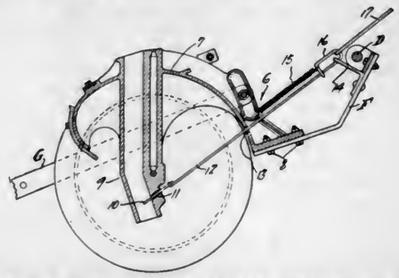
2,155,735
FEED MECHANISM FOR PLANTERS

Orville J. Parks, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware

Original application October 31, 1936, Serial No. 108,552. Divided and this application August 20, 1937, Serial No. 160,088
1 Claim. (Cl. 111—34)

A seed dropping mechanism for a planter including a wheel borne frame, and comprising, in combination, a seed dropping unit including

a seed boot having a passageway for the seed, a drag bar extended forwardly from the seed boot and pivotally connected to the frame for supporting the boot for vertical movement with respect to the frame, a seed box on the frame, a flexible tube connecting the seed box and seed boot for carrying seed to the passageway in the boot, a seed valve slidably mounted through a frontal portion of the seed boot and movable therein for opening and closing the passageway through the boot, the said seed dropping unit including also a member extended and spaced



forwardly from the valve and having a guide opening, an operating rod connected to the valve and slidably extended forwardly through the guide guide opening above the drag bar, an elongated loop formed on the frontal end of the rod and disposed to the rear of the pivotal connection about which the drag bar swings, spring means for normally retaining the seed valve in closed position, a guide bracket secured to the drag bar and slidably engaging the loop on the operating rod, and operating means including a movable link connected to the said loop for periodically pulling the operating rod and opening the valve.

2,155,736
CHEESE PACKAGE

Clinton H. Parsons, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application October 21, 1937, Serial No. 170,263
4 Claims. (Cl. 99—178)



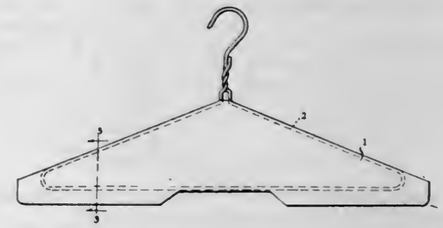
1. A cheese package comprising a body of cheese, a cheese bandage on the surface of the cheese, a coating of paraffin thereover, a secondary open mesh fabric bandage on the surface of the paraffin, and a secondary coating of wax over and embedded within the interstices of the secondary bandage.

2,155,737
GARMENT HANGER COVER

Henry C. Ruen, Detroit, Mich., assignor to Cleaners Hanger Company, Detroit, Mich., a corporation of Michigan

Application December 27, 1937, Serial No. 181,892
Renewed February 4, 1939
16 Claims. (Cl. 223—98)

1. A cover for a triangular garment hanger comprising a substantially triangular wall for engaging at one side of a garment hanger having an upstanding support, and three flaps respectively projecting from the respective margins of said wall for jointly forming a wall engageable at the other side of the garment hanger, said flaps being adapted for folding over the corre-

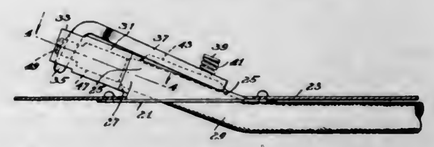


sponding sides of the garment hanger and two of said flaps being adapted, when folded to marginally adjoin each other adjacent to the mid portion of said wall, the third flap being proportioned to lap the adjoined margins of the other two flaps, the cover having an opening to accommodate said upstanding support.

2,155,738
MOUNTING FOR ROBE CORDS

Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application April 6, 1938, Serial No. 200,474
15 Claims. (Cl. 24—123)



4. A mounting for an elongated element having an eye near one end, said mounting comprising a tubular portion forming a passageway into which said eye may be moved, said tubular portion having guiding slots in opposite walls thereof, a hook member having a shank extending in a general direction along said passageway exteriorly thereof and having an effective end extending laterally from said shank and through said slots and across said tubular portion to pass through said eye to hold said elongated element, and spring means cooperating with said shank of said hook member to tend to maintain said end of said hook member in effective position extending across said tubular portion.

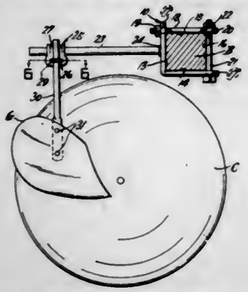
2,155,739
SCRAPER MOUNTING FOR DISK PLOWS

John P. Seaholm, Moline, Ill., assignor to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware

Application March 28, 1938, Serial No. 198,432
4 Claims. (Cl. 97—223)

1. In combination with a plow disk and beam, a scraper mounting comprising a bracket having integrally joined plates bearing against two faces of the beam, eye bolts adjustably connected with one of the plates, clamp bolts adjustably connected with the other plate and with the eye

bolts, the said bolts embracing other sides of the beam and effecting a clamping action on the

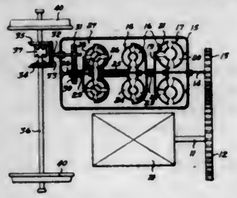


bracket, and a scraper supported from the said bracket in scraping relation to the disk.

2,155,740

BRAKING MECHANISM FOR RAIL VEHICLES

Ernst Seibold, Heidenheim, Germany
Application November 16, 1936, Serial No. 111,151
In Germany November 23, 1935
16 Claims. (Cl. 105—96.2)

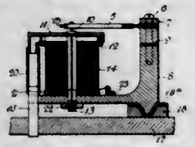


1. In a vehicle braking system, a prime mover, an axle, power transmission means interconnecting said prime mover with said axle to propel said vehicle, and a hydraulic torque converter arranged between said power transmission means and said axle, said hydraulic torque converter having a primary rotor, a secondary rotor and a guide element and being connected to act oppositely to the direction of rotation of said power transmission means.

2,155,741

APPARATUS FOR PRODUCING MUSIC SYNTHETICALLY

Melvin L. Severy, Los Angeles, Calif., assignor to The Vocalsevro Company of Chicago, Chicago, Ill., a corporation of Delaware
Application December 23, 1935, Serial No. 55,773
13 Claims. (Cl. 84—1)

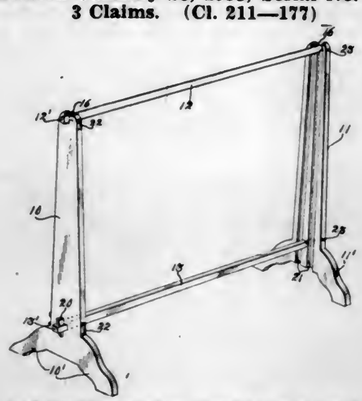


1. An oscillation producing device for musical instruments comprising a permanent magnet having pole pieces between which is a hollow pickup coil; a free reed extending through the coil and disposed between said pole pieces; means for continuously oscillating the reed for periodic excitation of the coil, and means from which oscillations generated by the reed and picked up by the coil can simultaneously be distributed therefrom.

2,155,742

COLLAPSIBLE CLOTHESRACK

Albert R. Swanson and Reuben L. Swanson, Chicago, Ill.
Application January 26, 1938, Serial No. 186,952
3 Claims. (Cl. 211—177)



1. A foldable wooden clothes rack which consists of a pair of standards and an upper and a lower bar detachably connecting the same, each standard having an upper notch and a lower slot therein, the upper bar having notched end parts hooked into said upper notches and having a rounded top to facilitate hanging clothes hangers thereon, the lower bar having reduced end parts engaging in said slots, also having holes in said parts and shoulders bearing against the standards, tapering pegs in said holes to press the shoulders firmly against the standards and hold the parts rigid in the operative position, the standards having means extending longitudinally thereof for nesting the bars therein, and means on the standards for securing them together in folded position with the bars held therebetween.

2,155,743

TONGUE PROTECTOR

George Terry, Omaha, Nebr., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application April 14, 1937, Serial No. 136,902
7 Claims. (Cl. 17—1)

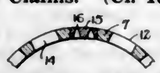


2. A tongue protector comprising a resilient sheath provided with means for engaging the frenum linguae.

2,155,744

WELL STRAINER

Colby van Westrum, Houston, Tex., assignor to Leslie A. Layne, Houston, Tex,
Application June 23, 1936, Serial No. 86,717
2 Claims. (Cl. 166—6)



1. A foundation frame for well strainers comprising longitudinally arranged rib members, a nipple fixed to each end of the assembled members, and a spirally wrapped band embedded in the outer faces of said ribs to space and reenforce the ribs, whereby a plurality of recesses are provided, and strainer inserts disposed in said recesses.

2,155,745

METHOD OF PREPARING LUBRICATING OILS

Cary R. Wagner, Chicago, and Warren A. Raine, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application July 1, 1935, Serial No. 29,372
13 Claims. (Cl. 196—50)

1. The method of increasing the yield of neutral oil from wax-bearing crude mineral oils which comprises distilling the oil to separate it into a pressable wax distillate fraction and cylinder stock, removing the wax from each fraction, subjecting the dewaxed cylinder stock to a light cracking distillation until the major portion thereof is distilled over, blending the distillate from the last mentioned distillation with the pressed wax distillate, and reducing the blend to desired viscosity.

2,155,746

MARKING CARCASSES

Beverly E. Williams and Andrew S. Hartanov, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 2, 1937, Serial No. 157,051
7 Claims. (Cl. 40—3)

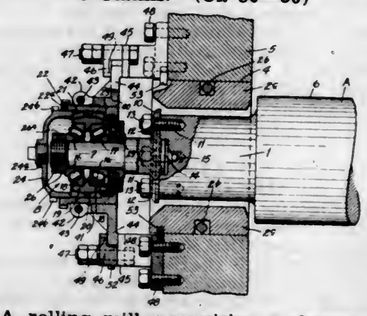


5. A cardboard meat branding tag comprising a brand plate provided with prongs each foldable at a right angle thereto, each of the prongs being provided with notched teeth along each of the side edges thereof, the teeth of the opposite side edges of each of the prongs being arranged in staggered relation and slanted toward the plate.

2,155,747

ROLLING MILL

Henry H. Wood, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 15, 1933, Serial No. 698,103
9 Claims. (Cl. 80—56)

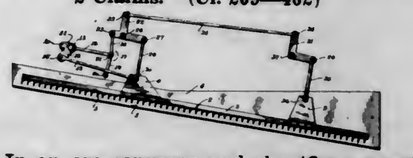


1. A rolling mill comprising a framework, a roll, a radial bearing for said roll mounted to slide vertically on said framework, a taper roller thrust bearing for said roll, and a separate housing for said taper roller thrust bearing mounted on said framework for free sliding movement in all directions transversely of the roll axis, said thrust bearing preventing axial movement of said roll due to end thrust.

2,155,748

RAKE CLASSIFIER

David M. Wright, Agricola, Fla., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application November 23, 1936, Serial No. 112,408
2 Claims. (Cl. 209—462)



1. In an ore conveyor and classifier comprising a trough and a rake having a relatively long, substantially flat operating zone reciprocally mounted in said trough, bell crank levers mounted at opposite ends of the trough, a link connecting said levers, links connecting said levers with said rake, a toggle link pivotally secured at one of its ends at a fixed point and at its opposite end to one of said levers, said toggle link being adapted for pivotal movement at substantially the center thereof, a rotatable shaft, a crank means rigidly secured at one of its ends to said shaft, a link connecting said crank means with said toggle link at the substantially central pivot thereof and a link connecting said crank means with said rake.

2,155,749

SAFETY RAZOR AND BLADE THEREFOR

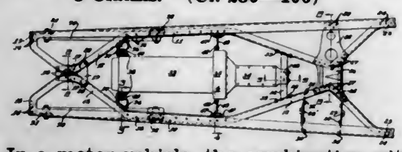
Leonard A. Young and John M. Oldham, Detroit, Mich.; said Oldham assignor to said Young
Application April 27, 1936, Serial No. 76,522
23 Claims. (Cl. 30—62)



1. In a safety razor, the combination of a blade holder of angled cross section, the side members of which terminate in guards and have inward offsets above the guards providing a dovetailed channel, a double edged blade of angular cross section having inward offsets in its arms corresponding to the inward offsets of the holder whereby the blade is adapted for telescoping engagement with the holder and is retained in position by such engagement with its edges in cooperating relation to the guards of the holder, and a U-shaped spring handle, the arms of which terminate in outwardly directed lugs, the edges of the handle adjacent the lugs being notched to receive the said inward offsets of the holder, the lugs being disposed so that they may be brought into position permitting their introduction into

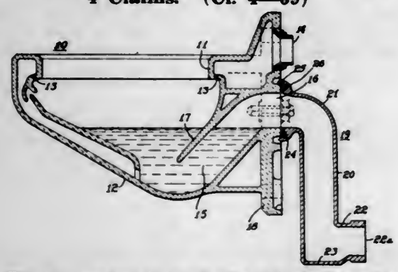
the channel when the arms of the handle are collapsed and for clutching engagement within the channel when the arms are released.

2,155,750
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 9, 1933, Serial No. 684,349
8 Claims. (Cl. 280—106)



2. In a motor vehicle, the combination with a pair of longitudinally extending frame sills, of a transversely extending brace member secured between forward portions of the sills, and a pair of brace members intermediate the forward ends of the sills extending in opposite diagonal directions, said pair of brace members being secured together and to the transverse brace member at their rear ends and secured at their forward ends to the extreme forward ends of the sills.

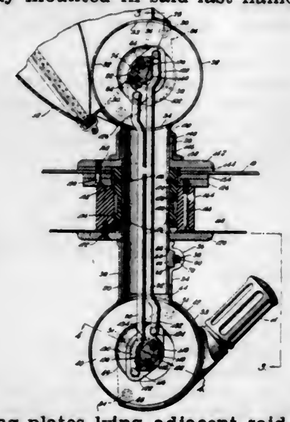
2,155,751
WATER CLOSET EVACUATOR
Robert C. Boyd, Louisville, Ky., assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application April 21, 1936, Serial No. 75,573
4 Claims. (Cl. 4—69)



1. In an evacuator of the kind described, a down-leg the upper end of which is curved in a gentle arc to turn through 90° matter passing therethrough, the central portion of which is vertical and unobstructed and the lower end of which is constituted of an abrupt right-angled bend, the inside bottom thereof forming a flat, uncurved surface normal to the axis of the said central portion and in vertical alignment therewith, whereby water entering the down-leg is non-turbulently passed to said normal surface whereat it is momentarily recoiled in a straight-line direction to initiate siphonic action without imparting lateral or angular thrust to such water.

2,155,752
LIGHT MOUNT
Erick Brand, Elkhart, Ind.
Application August 18, 1937, Serial No. 159,763
2 Claims. (Cl. 240—61.13)

1. A device of the type described comprising a support having an opening, a tube extending through said opening and rotatably mounted on said support, spaced plates carried by one end of the tube and having openings, a shaft rotatably mounted in said openings, operating plates lying adjacent said plates and fixedly connected with said shaft, a light fixedly connected with said operating plates, a lever fixedly connected with said shaft, a companion tube fixedly connected with said first tube, spaced plates carried by said companion tube and having openings, a shaft rotatably mounted in said last-named openings,



operating plates lying adjacent said last-named plates and fixedly connected with said last-named shaft, a handle fixedly connected with said last-named plates, a lever fixedly connected with each shaft, means operatively connecting said levers, and an electrical conductor for connection with said lamp, said electrical conductor including means rotatable with said first tube for connection with an outside source of current in all positions of the lamp.

2,155,753
FISHING LINE DISTRIBUTOR
George A. Cook, Washington, D. C.
Application March 15, 1937, Serial No. 131,021
4 Claims. (Cl. 43—25)

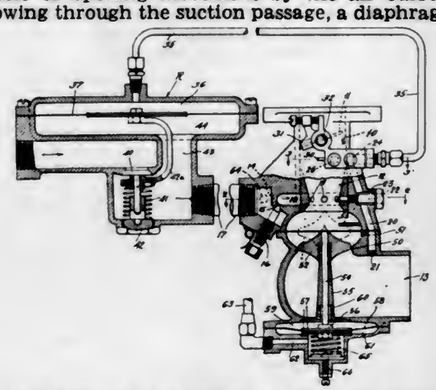


1. A device for manually distributing a line on a reel and protecting the hand of the user from injury by contact with the moving line, comprising in combination a member supported by one digit of the hand, a line guide secured to said member and a member for covering the part of said hand and said digit that is likely to be injured by contact with the line.

2,155,754
GAS CARBURETOR
Roy F. Ensign, San Marino, Calif., assignor to Ensign Carbureter Co., Ltd., Huntington Park, Calif., a corporation of California
Application April 10, 1934, Serial No. 719,872
15 Claims. (Cl. 48—180)

1. A gas carburetor system for engines, embodying a carburetor having a suction passage with a suction outlet and an air inlet and a throttle in the passage, means including a pressure regulator for feeding gaseous fuel to the passage at a point at the inlet side of the throttle and at a pressure less than that in the air inlet,

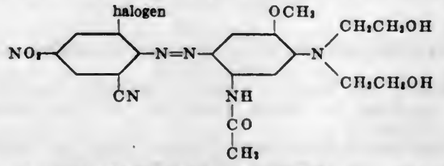
a valvular obstruction in the suction passage tending normally to close the passage and capable of opening movement by the air current flowing through the suction passage, a diaphragm



on the upper face of which the valvular obstruction rests, and gas pressure communication between the lower face of the diaphragm and the fuel feed.

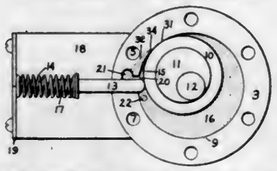
2,155,755
MONO-AZO DYESTUFFS
Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 15, 1937, Serial No. 174,722. In Switzerland November 19, 1936
3 Claims. (Cl. 260—207)

1. Mono-azo-dyestuffs of the general formula:



which dyestuffs are dark powders which dye acetate artificial silk green-blue tints of good fastness and dischargeability.

2,155,756
PUMP SILENCING DEVICE
Floyd A. Firestone, Ernest J. Abbott, and John D. Kraus, Ann Arbor, Mich.
Application April 30, 1937, Serial No. 140,036
3 Claims. (Cl. 230—145)

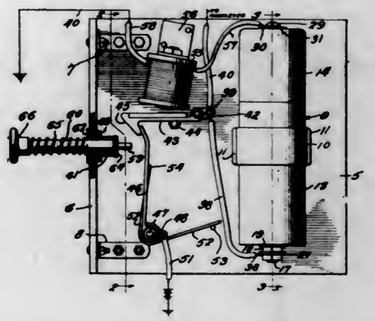


1. A rotary pump comprising a casing member having a fluid working chamber therein, an end plate secured to said casing member and closing said working chamber, said working chamber having fluid inlet and discharge ports, said discharge port leading to a discharge chamber having an outlet port, an outlet valve covering said outlet port, a drive shaft extending within said working chamber, a rotary piston member eccentrically mounted on said drive shaft to have moving contact with the peripheral wall of said working chamber, a moveable abutment carried by the peripheral wall of said working chamber at a point between said inlet and outlet ports, said abutment contacting the peripheral surface of said piston member and separating said inlet and discharge ports, a restricted passage in said end plate and extending from a point in communication with the pump discharge chamber into communication with a point in the pump working chamber which latter point is within the outlet side of the pump during part of the cycle of motion of the pump piston and within the intake side of the pump during part of said cycle of motion.

2,155,757
EMULSIFIERS AND PROCESS OF PRODUCING THE SAME
Charles Graenacher, Basel, and Richard Sallmann, Arlesheim, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application May 1, 1937, Serial No. 140,275. In Switzerland May 12, 1936
16 Claims. (Cl. 252—1)

7. An emulsifier consisting of a mixture of a fatty acid containing 9 to 20 carbon atoms in a straight chain and a tertiary cyclo-aliphatic base selected from the group consisting of dimethyl-cyclo-hexylamine and diethyl-cyclo-hexylamine.

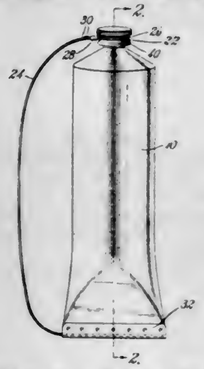
2,155,758
AUTOMATIC CIRCUIT BREAKER
Marion Kelly Hinde, Atlanta, Ga.
Application August 2, 1937, Serial No. 157,058
3 Claims. (Cl. 180—82)



1. A vehicle having a main electric circuit system including a source of current, a circuit maker and breaker for said system comprising a support, an electro-magnet, an armature for said magnet pivoted at one end to said support and having a hook at its free end, a stop for supporting said armature normally in substantially horizontal position, means for connecting the pivoted end of said armature to said source, a conducting strap connected at one end to said source and having its other end normally in locked engagement with said hook to close the main circuit of said system through said armature and means, yielding means for moving said strap out of the path of said hook when the armature is removed from strap locking position by energization of said magnet, and means connected at one end to the pivoted end of said armature and grounded at its other end through said electro-magnet and operable only by overturn of the vehicle to substantially horizontal position to energize said

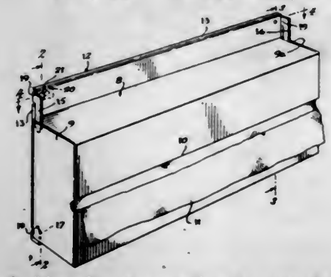
magnet and move the armature from locking engagement with said strap, whereby the circuit system is broken and the magnet deenergized.

2,155,759
CAP RETAINER
John Hocke, Chicago, Ill.
Application November 1, 1937, Serial No. 172,252
1 Claim. (Cl. 221—60)



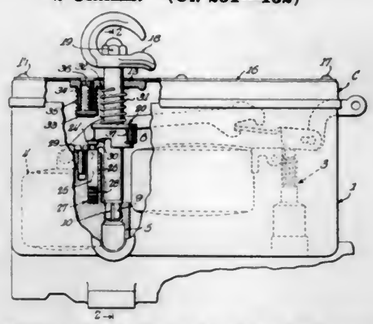
In combination with a collapsible tube having a threaded neck at one end and the opposite end flattened, a cap having threaded relation with the neck for closing the same, a flexible tie element having one end swivelly connected with said cap, the opposite end of said tie member being connected with the flattened end and projecting from one edge of said flattened end.

2,155,760
BOX HOLDER
Joseph Hy, Alden, N. Y.
Application April 1, 1937, Serial No. 134,349
5 Claims. (Cl. 248—311)



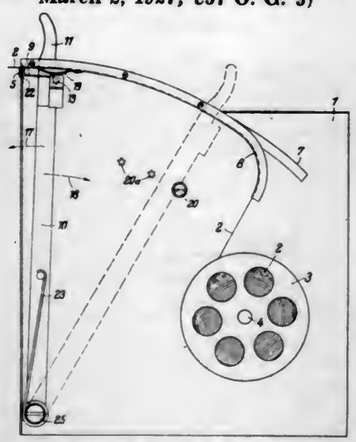
3. A holder for supporting a pasteboard box of the kind having its opposite ends closed by flaps, said holder having a body which is adapted to be mounted upon a support, upper blades carried by said body which are adapted to be inserted under said flaps from the upper side of said box and lower blades carried by said body which are shorter than said upper blades and which are adapted to be inserted under said flaps from the under side of said box, the distance between the tips of the upper and lower blades being less than that between said upper and under sides of said box, whereby in the application of the box the upper blades must be inserted beneath said flaps before the lower blades, one of said upper blades and one of said lower blades being adjustable toward and away from the associated blades to compensate for variations in the length of said box.

2,155,761
METERING VALVE
Roy W. Johnson, Milwaukee, Wis.
Application June 29, 1936, Serial No. 87,987
Renewed March 11, 1939
2 Claims. (Cl. 251—132)



1. A device of the character described comprising a casing having an oil supply chamber provided with an outlet, a metering valve having its lower end cooperable with the outlet to regulate flow therethrough, a collar fixed to the valve above its lower end and having an active cam face on its underside, a slidingly mounted pin co-operable with the cam face, a spring between the pin and the casing for urging the pin into engagement with the cam face and a screw threadedly interconnected with the casing and engaged with the pin to limit the extent of its movement toward the cam face, the spring also serving to cause the pin to engage the screw in such manner as to releasably secure it in any adjustment.

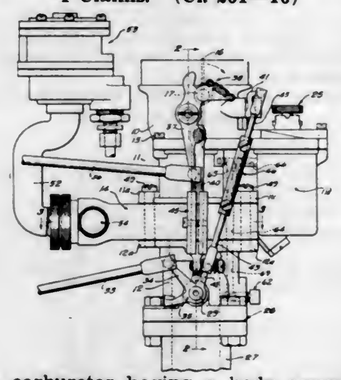
2,155,762
DEVICE FOR ISSUING TICKETS, CARDS, AND THE LIKE
Georg von Kintzel, Dallgow-Doberitz, Germany, assignor to Ernst Tensfeldt, Charlottenburg, Germany
Application September 7, 1937, Serial No. 162,773
In Germany September 5, 1936
6 Claims. (Cl. 271—2.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A device for issuing tickets, cards, or the like, comprising in combination, a supporting frame, a reel rotatably mounted in said frame and having wound thereon an elongated strip

consisting of a plurality of units separable along transverse rows of perforations, guide means along which said strip is adapted to be moved toward a point of severance and delivery, a lever pivoted to said frame, a strip engaging tongue pivoted to said lever and provided with an outer end portion adapted to enter one of said perforations and feed said strip toward said delivery point, spring means for urging said tongue toward engagement with said strip whereby said tongue enters said perforation during forward feeding movement of the lever, but passes freely along the surface of said strip during return movement thereof, forward and rear stops for limiting the movement of said lever in each direction, the forward stop disposed for engagement by said tongue, whereby the latter is held stationary at the end of the feeding movement and disengagement with the strip is prevented while the strip is being severed along said row of perforations.

2,155,763
LIQUID AND GASEOUS FUEL CARBURETOR
Fred N. Laub, Los Angeles, Calif., assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif., a corporation of California
Application November 11, 1936, Serial No. 110,241
4 Claims. (Cl. 261—16)



1. A carburetor having a body comprising a pair of spaced sections containing a suction passage, Venturi means in one of said sections restricting the suction passage, said suction passage being less restricted within the other of said sections, a throttle in the last mentiond section and an outlet beyond the throttle in the direction of air flow through said passage, a tubular suction passage wall projecting from the end of said Venturi containing section, means for supplying liquid fuel to the suction passage within said Venturi containing section, a gas fuel supply nozzle surrounding said wall and removably inserted between said body sections, said nozzle comprising walls spaced axially of said suction passage wall and forming between them a gas passage, and the suction passage wall forming with the nozzle a gas outlet slot discharging into said suction passage between the Venturi means and the throttle.

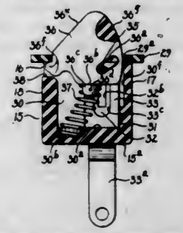
2,155,764
METHOD AND APPARATUS FOR SCREENING WET MATERIAL
Adolph W. Lissauer, Louisville, Ky., assignor to Louisville Drying Machinery Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application July 30, 1936, Serial No. 93,446
9 Claims. (Cl. 210—151)

1. In an apparatus for straining and filtering liquid containing non-liquid material the combination of an angularly disposed planar screen and a plurality of angularly disposed paddles



rotating in a plane spaced substantially parallel from and cooperating with said screen for manipulating said material.

2,155,765
DOOR-OPERATED ELECTRIC SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 10, 1938, Serial No. 213,010
12 Claims. (Cl. 200—54)

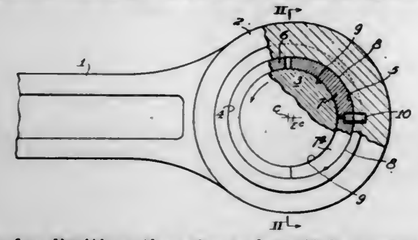


1. In a door-operated electric switch, in combination, a molded insulating base having a portion of substantially circular form in cross section at one end thereof, said base having a recess of approximately oblong form in transverse cross section extending throughout the major portion of its depth and opening to said end, an actuating element pivotally supported within said recess, a contactor carried by said actuating element, said recess having a pair of substantially rectangular openings formed therein at one end of the bottom wall thereof and in planes parallel to the opposed side walls thereof, an abutment formed integrally with said bottom wall adjacent to the other end of the latter, a coiled compression spring interposed between said abutment and said actuating element to normally bias the latter for pivotal movement outwardly of said recess, a pair of combined switch contact and plug jack members having portions located within said recess and extending substantially throughout the depth of the latter in parallel relation to each other, said portions and the walls of said recess having cooperating shoulders formed thereon to prevent downward displacement of said members, and said members having plug jack portions extending through said pair of openings and exposed below the lower surface of said base.

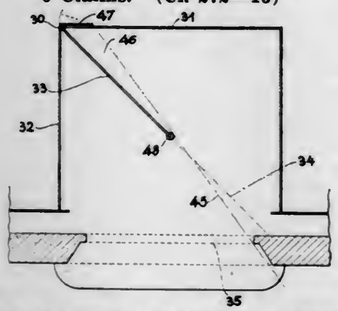
2,155,766
CONSTANT-FIT BEARING
George Smith Morison, Pittsburgh, Pa., assignor, by mesne assignments, to Robert D. Christie, Pittsburgh, Pa.
Application May 19, 1937, Serial No. 143,476
12 Claims. (Cl. 308—67)

7. A shaft bearing comprising a housing member whose bearing surface surrounds and is

spaced from said shaft, one semi-circular portion of said bearing surface being concentric with said shaft and the remainder of said surface falling in a cylindrical plane further spaced from said shaft upon an axis eccentric to the axis of said shaft, two arcuate wedge-like bushings engaging said shaft and said eccentric bearing surface, the bases of said wedge-like bushings being opposed, means integral with said housing member for limiting the circumferential movement of said wedge-like bearing bushings toward one another, and a semi-circular annular bushing engaging said shaft and said concentric bearing surface of said housing and being free to move circumferentially, whereby upon rotation of said shaft said annular bushing is forced against one wedge-like bushing to form a bearing surface continuous throughout the extent of the two bushings.



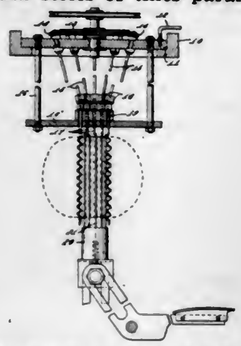
2,155,767
STAGE DEVICE FOR CONJURING REPRESENTATIONS
Ernst Pfannekuchen, Dusseldorf, Germany
Application February 6, 1936, Serial No. 62,687
In Germany October 2, 1933
6 Claims. (Cl. 272—13)



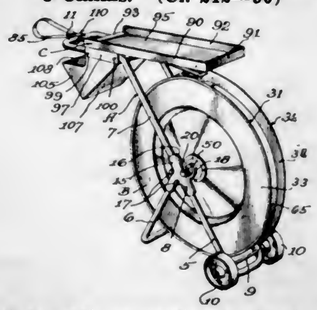
1. In a stage illusion apparatus, a background structure extending across the stage opening, said background extending rearwardly from one side of the stage, across the rear of the stage and forward to the other side of the stage, said background structure having at least one access opening concealed therein, and a mirror element extending from the central portion of the background enclosure to the background and concealing the access opening, said background being polygonal in contour.

2,155,768
APPARATUS FOR FORMING SEGMENT-APEX CAVITIES IN CITRUS FRUITS
Ralph Polk, Sr., Tampa, and Ralph Polk, Jr., Haines City, Fla.
Application December 22, 1937, Serial No. 181,071
2 Claims. (Cl. 146—3)

1. Apparatus for acting on citrus fruits, comprising a circumferential series of parallel augers arranged to enter individual juice-cell integuments within the apices thereof, means for rotating said augers, a fruit holder comprising a circumferential series of tines parallel with the augers and arranged to penetrate a fruit within the apices of juice-cell integuments, and means by which one circumferential series may be telescoped over the other.



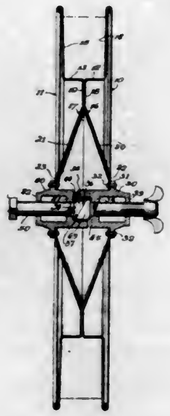
2,155,769
REEL
Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application August 4, 1936, Serial No. 94,199
3 Claims. (Cl. 242—90)



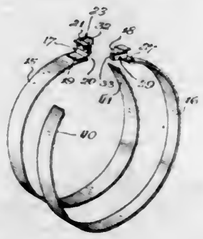
1. A strap reel comprising a stand composed of three tubular sections forming two legs and a handle, a pair of brackets clamping the three tubular members rigidly together, and a hook on each bracket for receiving the opposite ends of a drum axle; and a drum for holding a coil of strap, said drum having an axle projecting beyond opposite sides thereof to be received and carried by the bracket hooks.

2,155,770
REEL DRUM
Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Original application August 4, 1936, Serial No. 94,199. Divided and this application November 15, 1937, Serial No. 174,526
5 Claims. (Cl. 242—116)

5. A drum for holding coiled material comprising a pair of separable complementary coil-retaining sections, at least one section being formed to provide a coil-supporting surface lying substantially parallel to the drum axis and both sections being formed to provide head flanges at opposite ends of the coil-supporting surface and centrally apertured hub-supporting webs; and a pair of hub-sections, one hub-section being secured to each coil-retaining section at the central aperture thereof and the two hub-sections having complementary arcuately shaped tapering clutch members and reversely tapering slots that cooperate to clamp the two coil-retaining sections together when they are brought into axial alignment and relatively rotated.

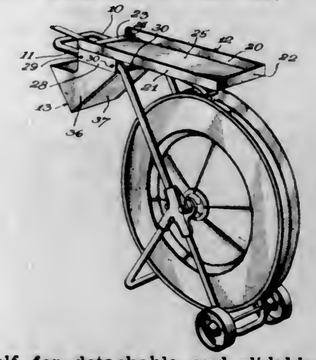


2,155,771
CONTROL FOR THE UNREELING OF COILED MATERIAL FROM DRUMS
Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Original application August 4, 1936, Serial No. 94,199. Divided and this application November 15, 1937, Serial No. 174,527
6 Claims. (Cl. 206—53)



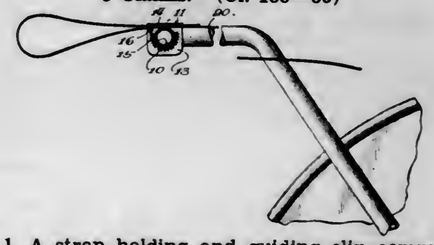
1. A spring for controlling the unreeling of coiled material comprising a pair of spring sections, each consisting of a length of spring steel curved to fit about and press upon the external surface of the coiled material; and a coupling member secured to an end of each spring section, each coupling member having a hook spaced outwardly from the end of its associated spring section and a socket, the socket of one coupling member detachably receiving the hook of the other coupling member, said coupling members when united joining the two spring sections into a unitary spring ring and providing a guideway between the spaced proximate ends of the spring sections through which material may be fed from the coil.

2,155,772
SHELF AND RECEPTACLE
Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Original application August 4, 1936, Serial No. 94,199. Divided and this application November 22, 1937, Serial No. 175,792
1 Claim. (Cl. 211—86)



A shelf for detachable and slidable association with a pair of parallel supporting members and comprising a pair of spaced parallel side-frame members, each frame member including two right angularly related flanges one of which is upstanding and the other horizontally disposed and the two horizontal flanges extending inwardly toward each other, a platform bridging between and carried upon the horizontal inwardly directed flanges of the side-frame members, a pair of angle-iron guides secured to the horizontal inwardly directed flanges of side-frame members with one flange of each guide lying along the horizontal inwardly disposed flange of a side-frame member and the other flange directed downwardly, the two downwardly directed flanges of the guides being spaced apart a distance sufficient to embrace the supporting members, and a cross bar bridged between the two downwardly directed flanges of the guides and spaced from the other flanges of the guides to form therewith a socket for the slidable reception of the parallel supporting members.

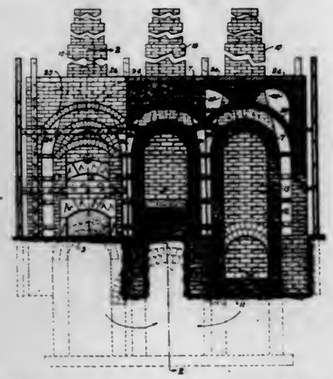
2,155,773
STRAP HOLDING AND GUIDING CLIP
Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Original application August 4, 1936, Serial No. 94,199. Divided and this application November 22, 1937, Serial No. 175,793
5 Claims. (Cl. 188—83)



1. A strap holding and guiding clip comprising a cylindrical support, a substantially flat plate rotatably and slidably mounted upon the support, said support and plate forming a passageway through which the strap may be led

between them, and means for yieldingly biasing the support and plate toward each other to retard the movement of the strap therebetween.

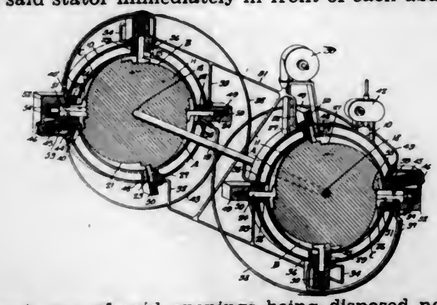
2,155,774
FURNACE STRUCTURE
Lawrence R. Robinson, Zelienople, Pa., assignor to United Combustion Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 6, 1937, Serial No. 167,544
7 Claims. (Cl. 263—15)



1. A furnace structure comprising enclosing walls defining a forward firing chamber and a rearward combustion chamber, a flash wall extending upwardly from the bottom of the firing chamber and coextensive therewith transversely and terminating in spaced relation to the top wall of the firing chamber and separating the firing chamber from the combustion chamber except over the top of said flash wall, a stack in and spaced from the forward and rear ends of the combustion chamber and substantially coextensive therewith transversely and having an opening in one of its walls which faces toward the flash wall, said opening being placed near the bottom of said combustion chamber, said combustion chamber having a passage affording an exit for products of combustion from said combustion chamber at a point beyond the stack in a direction away from the flash wall, and the front and rear walls of said stack being in the form of checkers and having passages for products of combustion from the fore portion of the combustion chamber through the stack walls to the rear portion thereof.

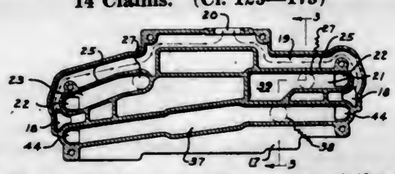
2,155,775
INTERNAL COMBUSTION ENGINE
John Sapp, Republic, Pa.
Application May 13, 1935, Serial No. 21,287
3 Claims. (Cl. 123—14)

1. In a rotary internal combustion engine, a stator forming a cylindrical enclosure, a shaft rotatably and concentrically mounted within said stator, a rotor fixed on said shaft, said rotor having uniformly spaced cam surfaces providing with the cylindrical wall of said stator a corresponding number of arcuate tapered compression and explosion chambers, uniformly spaced abutments carried by said stator, each abutment being slidable radially of said stator and spring pressed into sliding engagement with said rotor, there being an air inlet port immediately in rear of each abutment, a fuel port in the stator supplying combustible mixture to the chambers in succession, a reservoir in the stator having a passage communicating with the fuel port, a spring pressed valve closing the passage, means connecting the air inlet ports in parallel to a source of compressed air, there being openings in said stator immediately in front of each abut-



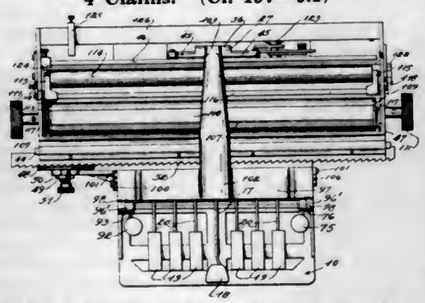
ment, one of said openings being disposed next forwardly of said fuel port and being an exhaust opening, and means connecting the remaining ones of the last named openings in parallel to said reservoir.

2,155,776
COMPRESSION IGNITION ENGINE
Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application July 6, 1937, Serial No. 152,089
14 Claims. (Cl. 123—173)



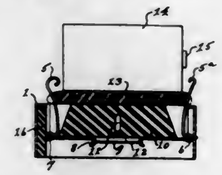
5. In combination, a main engine of the compression ignition type, an auxiliary starting engine positioned at one end of said main engine and in alignment therewith, each of said engines being water jacketed, means for coupling the water jacket of one engine to that of the other to provide a cooling system common to both machines, a hood over said engines, said hood having a portion above said auxiliary starting engine removed to provide an opening therethrough, and an oil filler tube mounted on said starting engine and extending upwardly through said opening.

2,155,777
BRAILLE WRITER
Jacob Steffen, St. Matthews, Ky.
Application July 25, 1938, Serial No. 221,207
4 Claims. (Cl. 197—6.1)



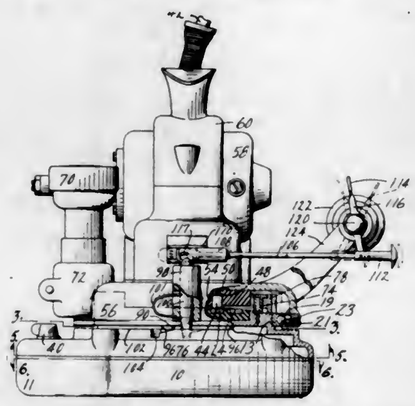
1. In a typewriter for the blind provided at its rear with a set of character forming elements, said typewriter further having a carriage provided with a ratchet bar, and pawl members cooperating therewith; a frame supporting the character forming elements, carriage and pawl members, a hood hinged to said frame and normally extending rearwardly from its hinge axis over said pawl members, and a character forming arm fixed to said hood and extending rearwardly over the carriage to terminate above said character forming elements.

2,155,778
BULB AND BATTERY TESTER
Edwin T. Stratton, Memphis, Tenn.
Application June 17, 1938, Serial No. 214,392
11 Claims. (Cl. 175—183)



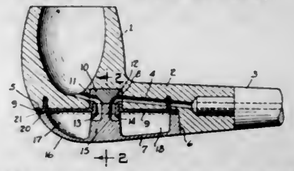
1. In a flash light battery tester, a casing, a light bulb socket and a bulb therein, a pair of spaced-apart contact members for engaging the electrical terminals of a battery-to-be-tested, said socket and said contacts being mounted in said casing and electrically connected in circuit, yieldable means for receiving the battery and holding it out of contact with said contact members until pressure is applied to cause said yieldable means to yield.

2,155,779
ROTARY IRON STRUCTURE
Alfred F. Yoerg, Des Moines, Iowa, assignor of one-half to Harry Schlesinger, Des Moines, Iowa
Application July 14, 1936, Serial No. 90,558
9 Claims. (Cl. 38—74)



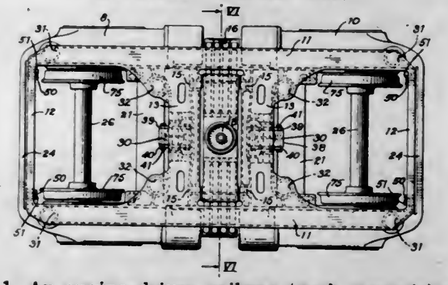
1. In a rotary iron of the character described, a manipulating handle member, a sole plate rotatably mounted relative thereto, means for heating said sole plate, means for rotating said sole plate and means for stopping said sole plate in a predetermined position relative to said manipulating handle member.

2,155,780
SMOKING PIPE
David W. Alpha, Goose Creek, and Emmett A. Shepherd, Houston, Tex.
Application July 28, 1936, Serial No. 92,964
8 Claims. (Cl. 131—213)



1. A smoking pipe comprising a bowl with a shank having a smoke passageway communicating with the interior of the bowl, the lower portion of the bowl and shank being cut away to provide an open sided flat faced recess having an opening through its flat face in communication with said passageway intermediate its ends, and a cooling chamber having a flat face closing said recess and having a partition extending through said opening and across said passageway to divide it into two sections, there being a duct on each side of said partition communicating at their upper ends respectively with the two sections of the smoke passageway, and at their lower ends with the cooling chamber on opposite sides of said partition, there being an aperture in the partition providing a communication between the lower ends of said ducts.

2,155,781
RAILWAY TRUCK
William J. Besler, Plainfield, N. J.
Application October 25, 1935, Serial No. 46,695
19 Claims. (Cl. 105—133)

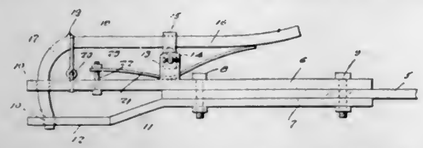


1. An engine-driven railway truck comprising, in combination, a truck frame having side and transom members connected together, and engine units pivotally attached to and supporting said truck frame, said engine units each comprising a frame having a cross member and longitudinal side members, wheels and an axle journaled on the outside of the wheels in said last named frame side members, the latter in each instance constituting the engine casing containing all the working parts of a reciprocating engine and the axle journal bearings, means for transmitting the power impulses of said engine to the end of said axle.

2,155,782
TRAILER COUPLER
Carl F. Bracht, Twin Brooks, S. Dak.
Application April 27, 1938, Serial No. 204,681
2 Claims. (Cl. 280—33.15)

1. A trailer coupler comprising a draw bar including spaced superimposed plates having open-

ings, a bracket secured on the uppermost plate, a sleeve pivoted on the bracket, a lever extending through the sleeve for pivotal movement on the bracket and slidable endwise of the uppermost plate and including a hook-shaped portion for movement into and out of the openings, a spring mounted on the uppermost plate and bearing



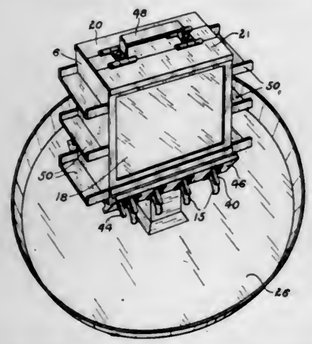
against the lever to urge the hook-shaped portion thereof through the openings, a lip formed on the lever, and a yoke pivoted on the uppermost plate and movable over the lever from the hook-shaped portion thereof to engage the lip for securing the hook-shaped portion against movement out of the openings.

2,155,783

PORTABLE FILLING DEVICE

Maude L. Butcher, Seattle, Wash.

Application February 10, 1937, Serial No. 125,145
4 Claims. (Cl. 221—145)



1. In a dispensing device the combination with a container having a series of discharge spouts, of a bank shifter and operating means therefor, said shifter having a series of rectangular openings forming valves along one edge thereof adapted to coincide with said spouts, and independent valve means for each spout located within said openings and slidable longitudinally in a plane with, and independently of, said bank shifter in said rectangular openings.

2,155,784

PROCESS FOR REMOVING SHALE FROM A NATURALLY OCCURRING BORATE

George A. Connell, San Pedro, and John P. Rasor, Boron, Calif., assignors to Pacific Coast Borax Company, a corporation of Nevada

No Drawing. Application May 9, 1938, Serial No. 206,846
3 Claims. (Cl. 209—6)

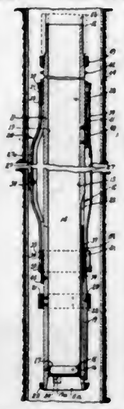
1. The method of recovering borate from its ore which includes, finely crushing the ore, introducing the crushed ore into saturated solution of the borate, agitating the mixture in the presence of yieldable surfaced attrition members, and separating the solid borates from the slimes resultant from the mixture.

2,155,785

CEMENT DUMP BAILER

Clarence R. Dale, Los Angeles, Calif., assignor to Dale Service Corporation, Culver City, Calif., a corporation of California

Application October 25, 1937, Serial No. 170,834
18 Claims. (Cl. 166—19)



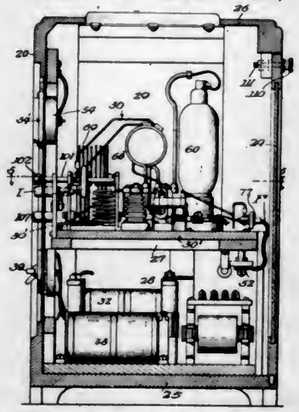
1. In a fluid dump bailer for use in wells, a body comprising a tubular fluid containing chamber having an outlet at the lower end of said body through which the fluid is discharged straight downwardly into the well, a closure for said outlet and movable with relation thereto to permit unobstructed discharge of fluid from said chamber into the well, and means outside said chamber releasably holding said closure in closed position, said means including means at all times frictionally engaging the well bore wall above the point at which the fluid finally is discharged from the bailer into the well.

2,155,786

HIGH FREQUENCY APPARATUS

Herman G. Fischer, River Forest, Ill., assignor to H. G. Fischer & Co. Inc., Chicago, Ill., a corporation of Illinois

Application July 9, 1936, Serial No. 89,854
10 Claims. (Cl. 128—422)



1. High frequency apparatus comprising, in combination, a cabinet having a front wall with a control panel therein and a removable back wall, said control panel having a plurality of openings therein, an oscillator unit having patient's terminals and a tuning means with a

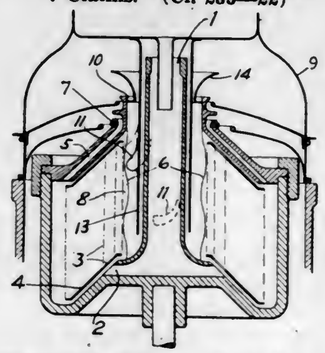
manual control element therefor, said terminals and said control element being located on one side of said unit, means for supporting and guiding said unit for movement through the back of said cabinet forwardly toward said panel to register said terminals and said control element each with one of said openings, transforming and rectifying means mounted within said cabinet, and means located within and adjacent the back of said cabinet for establishing operative connection between said transforming and rectifying means and said unit.

2,155,787

CENTRIFUGE FOR CONTINUOUSLY SEPARATING SEMISOLID CONSTITUENTS

Erik August Forsberg, Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application August 27, 1934, Serial No. 741,653
In Sweden September 2, 1933
7 Claims. (Cl. 233—22)



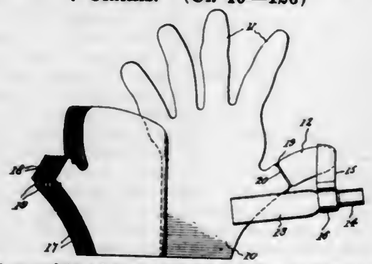
1. A centrifugal separator adapted for the separation of constituents of which the lighter is comparatively not free-flowing, comprising a rotatable bowl provided with an outlet for the lighter separated constituent, one or more scrapers positioned in that region of the bowl nearest its center and adapted, as the separated lighter mass penetrates into said region, to work into said mass and displace it in a substantially axial direction toward said outlet, a freely rotatable holder to which said scraper or scrapers are secured whereby the separated constituent tends to rotate the scraper or scrapers, and means to brake the holder so as to compel the scraper or scrapers to rotate at a speed below the rotation speed of the separated mass.

2,155,788

COMBINED TOY ADVERTISING DEVICE

Nell Fulton, New York, N. Y.

Application February 17, 1939, Serial No. 256,999
7 Claims. (Cl. 40—126)



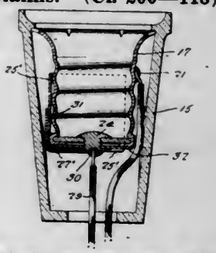
1. A combined toy and advertising device, comprising a body portion constructed in the shape of a hand with an extended thumb, a noise maker having a mouth piece and a flexible blowing tube collapsed at its inner end, a bracket arm carried by the thumb and connected to said noise maker for supporting the same with the mouth piece extending beyond said thumb, and a plurality of leaves hinged to the body portion with free edges adjacent said blowing tube for vibration by air currents from the tube to produce a reed effect.

2,155,789

RESISTANCE SHUNT

Harry A. Ganz and Robert A. Kamm, Hartford, Conn., assignors to Electra Sales Corporation, Hartford, Conn., a corporation of Connecticut

Application June 1, 1937, Serial No. 145,875
6 Claims. (Cl. 200—118)



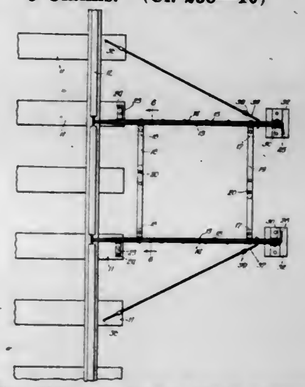
1. A lamp socket, comprising a casing, a lamp receiving shell fitted in the casing, an insulating sheet cupped about the side and bottom of the shell and having a shunt perforation therethrough, a central contact mounted in insulated relation through the bottom of the shell for contact with the central contact of a lamp in the shell, and a contact strip connected to the central contact and extending over the outer side of the insulation sheet and over the perforation therein for maintaining the circuit through the socket closed through said perforation with the desired resistance upon the burning out of the lamp in the shell.

2,155,790

EMERGENCY SIDING

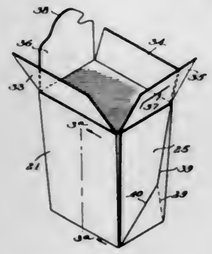
Joseph A. Gougar, Chicago, Ill.

Application September 23, 1938, Serial No. 231,281
9 Claims. (Cl. 238—10)



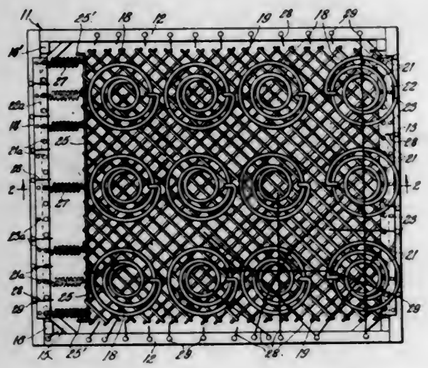
4. A collapsible hand-car siding comprising in combination, short rail sections and articulated arms for joining the same in parallel relation the inner ends of which are adapted to be supported on a track, separate posts adapted to support the outer ends of the sections at selected heights, and diagonally extending braces connecting the outer ends of the sections to the track.

2,155,791
CARTON
Raynor M. Holmes, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application June 18, 1937, Serial No. 148,976
9 Claims. (Cl. 229—16)



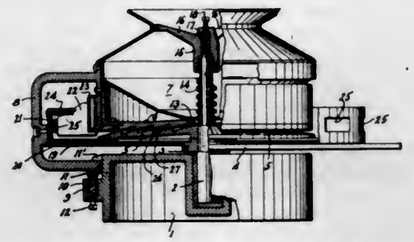
1. A carton comprising a blank cut, folded and glued to provide side walls and ends, one of said ends comprising overlapping flaps folded from the side walls and provided with engageable means to secure said flaps together, and one of said side walls comprising portions overlapped and glued together with a weakened tear line in one of said portions extending endwise of the carton substantially along a cooperating edge of the other of said portions to afford a line along which said side wall may be readily torn to expose the carton contents.

2,155,792
SPRING CUSHION
Gustave P. Johnson, Waukegan, Ill.
Application August 9, 1937, Serial No. 158,029
6 Claims. (Cl. 155—179)



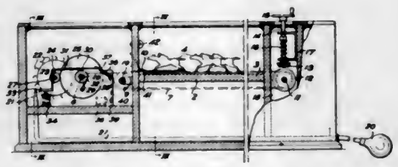
1. A resilient bottom unit for a chair, bed, or the like having a frame, comprising a section of wire netting adapted to be carried by said frame and having interlaced strands including vertically spaced upper and lower strand portions, and a plurality of cushion springs each having their lower convolutions extending between the upper and lower strand portions of a plurality of said strands, the vertical spacing between said upper and lower strand portions being at least equal to the thickness of the wire in said cushion springs, whereby said lower convolutions of the springs can be readily rotated into position between said upper and lower strand portions without requiring deformation of said spring convolutions or of said strand portions.

2,155,793
PEA HULLING MACHINE
Tarohachi Komaki, Claremont, Calif.
Application March 12, 1937, Serial No. 130,455
3 Claims. (Cl. 130—30)



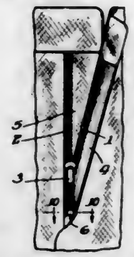
1. A pea hulling machine comprising a base, an upright rotary shaft thereon, a rotary annular hulling disk fixed to said shaft, a hopper, means engaged with said shaft and said base for yieldably supporting the hopper over said disk, a stationary hulling disk carried by said hopper and lying close to and over said rotary disk, an annular perforated marginal portion on said rotary disk extending outwardly beyond the periphery of said upper disk, said upper disk having an opening through which pods of peas are fed between said disks, an annular perforated member carried by said hopper and forming with said marginal portion an annular tray for receiving pods and peas from between said disks, baffle plates hinged to said hopper and lying over said marginal portion of the lower disk, and springs yieldably holding the free end of said plates against said annular member.

2,155,794
APPARATUS FOR PLAYING A GAME OF SKILL
Horace Leach, Torquay, England
Application May 10, 1938, Serial No. 207,097
In Great Britain March 3, 1937
3 Claims. (Cl. 273—86)



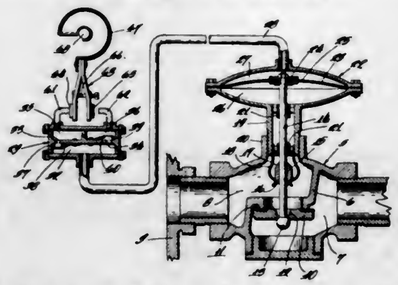
1. In a game apparatus of the type including a platform having a plurality of tracks with models slidably guided therein, means for actuating each of said models independently of the other, said means including a shaft, a spool on said shaft, a flexible connection between the spool and one of the models, a ratchet wheel on the spool, a spur gear mounted to turn on said shaft adjacent the ratchet, a spring pawl on the gear and arranged to engage the ratchet on the spool to cause said spool to wind the flexible connection thereon, a manually operated wind-actuated rotor geared to said spur wheel for actuating the models through the drum and the flexible connection therebetween, an electrically operated rockably mounted pawl for locking and releasing said ratchet wheel against unauthorized movement, and means for resetting the models to starting position.

2,155,795
METHOD OF MAKING GARMENT CLOSURES
Louis Markin, Chicago, Ill., assignor to Alfred Decker & Cohn, Inc., Chicago, Ill., a corporation of Illinois
Application October 20, 1937, Serial No. 170,095
4 Claims. (Cl. 2—234)



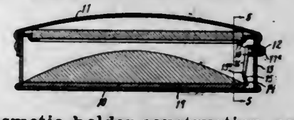
1. The method of applying a zipper fastener to a garment having an opening closure therefor, comprising the providing of the two zipper sections disconnected from each other, fastening one section to the inner fly strip of said opening, and the other zipper section to the outer fly strip of said opening, thereafter incorporating or fastening the two fly strips in the garment, with the two zipper sections still unconnected to each other, thereafter providing slide means connection between the engaging portions of the two zipper sections, while the latter are still unconnected at their lower end, and after the two fly strips have been sewed in place, so that the two zipper sections are not connected together until after the two fly strips and their respective zipper sections have been fastened in the garment, and thereafter for the first time joining the lower ends of the two rows of engaging portions.

2,155,796
VALVE CONTROL MECHANISM
Stanley Mayner, Cleveland, Ohio
Application April 9, 1935, Serial No. 15,449
8 Claims. (Cl. 236—40)



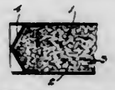
8. Apparatus of the character described, comprising: diaphragm-actuated valve means; mechanism for setting up a vacuous condition simultaneously at both sides of said diaphragm, in one phase of operation, and for setting up a pressure condition simultaneously at both sides of said diaphragm, during another phase of operation; and means constructed and arranged to increase pressure at one side of said diaphragm during the first phase of operation to effect movement of said valve means in one direction, and for relieving pressure at one side of said diaphragm during the second phase of operation, to effect movement of said valve means in an opposite direction.

2,155,797
COSMETIC HOLDER
August Mitchell, New York, N. Y., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application June 20, 1938, Serial No. 214,699
6 Claims. (Cl. 132—82)



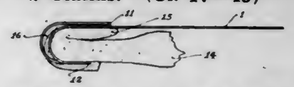
1. A cosmetic-holder construction, comprising: a cosmetic-receiving body-member; a cover-member for the said body-member; and a combined cosmetic-retainer-hinge-knuckle member having a portion thereof extending through and retained against inward displacement from the said lateral wall of the said cosmetic-receiving body-member by means of a hinge-receiving knuckle formed therein at the outer surface of the lateral wall and a cosmetic-retaining portion depending within the said body-member; a cover-hinge-pin mounted in said knuckle; and a cosmetic-backing plate generally conforming to the contour of the said lateral wall and constructed to have marginal engagement with and to snap past the cosmetic-retaining portion of the cosmetic-retainer-hinge-knuckle member during the forcible insertion of the cosmetic into and removal from the said cosmetic-receiving body-member.

2,155,798
CIGARETTE FILTER
Peter Paul Onifrey, Winnipeg, Manitoba, Canada
Application June 5, 1936, Serial No. 83,750
3 Claims. (Cl. 131—52)



1. A cigarette filter comprising a resiliently expansible hollow conical member having a slit extending from the apex to the free edge thereof, said filter being adapted to be fitted into a cigarette to exert pressure on the interior wall thereof to maintain said filter in position in said cigarette.

2,155,799
TONGUE PROTECTOR METHOD
Andrew S. Hartanov and Carl L. Lohner, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application March 29, 1937, Serial No. 133,728
2 Claims. (Cl. 17—45)

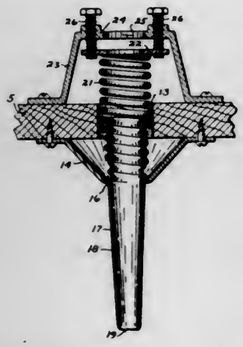


1. The method of protecting a carcass tongue from injury which comprises folding the tongue back in the carcass mouth and maintaining the tongue in position in the back of the mouth cavity.

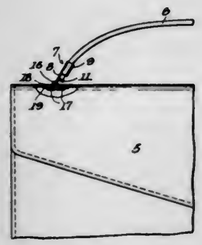
2,155,800
SPRUE-FORMING DEVICE
Peter L. Perazo, Oakland, Calif.
Application March 6, 1937, Serial No. 129,502
3 Claims. (Cl. 22—38)

1. In combination with a squeeze board for a molding flask, an helical compression spring, a

sprue punch threadedly engaged with the coils of an end portion of the spring axially thereof for its axial adjustment with respect to the engaged spring portion to adjustably vary the distance of the punch point from the extremity of the engaged spring portion, and means unitarily attaching the other spring end to the board to dispose the spring in perpendicular relation thereto.



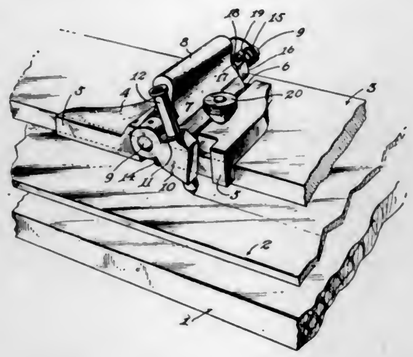
2,155,801
CONNECTOR FOR BAG STRAPS AND THE LIKE
Daniel I. Reiter, New York, N. Y.
Application March 1, 1937, Serial No. 128,304
5 Claims. (Cl. 150—33)



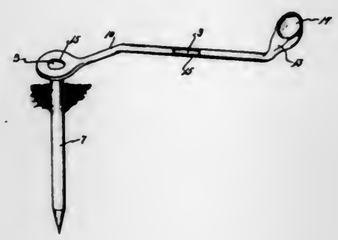
1. In combination, a strap handle having a flat end part of the same thickness as the remainder thereof, a one-piece sheet metal member clamped about the side edge, front and back of said end part and forming an extension thereof, said member having a flat back portion provided with a slot adjacent to and parallel to its end edge and spaced therefrom a sufficient distance to provide a transversely extending hinge bar terminating at said end edge, a metal clip having a hollow cylindrical loop passing through said slot and encompassing said hinge bar and provided with at least two prongs, and a hand bag or the like having an opening through which said prongs are passed, said prongs being oppositely bent to secure said clip to said bag.

2,155,802
GLASS CUTTER
Daniel Resh, Charleston, W. Va.
Application February 3, 1938, Serial No. 188,568
3 Claims. (Cl. 33—32)

1. A glass cutter including a base plate, means for guiding the plate along a straight edge, a body on the base plate, a shaft rotatably mounted in the body, an arm on the shaft, a downwardly extending rod carried by the arm, a cutting element mounted on the lower end of the rod, and means for adjusting the body in a horizontal plane toward and from said guiding means.



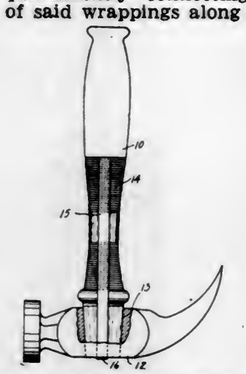
2,155,803
GOLF TEE
Morris Rider, Detroit, Mich., assignor of forty-five per cent to Joseph H. Tregoning, Detroit, Mich.
Application December 19, 1935, Serial No. 55,144
1 Claim. (Cl. 273—33)



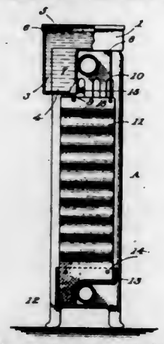
A golf tee of the class described, comprising: a pin adapted for insertion into a supporting body; an elongated supporting arm; a plate-like portion on one end of said arm and secured to the upper end of said pin to provide a head therefor; a neck on the opposite end of said arm, said neck extending angularly to the longitudinal axis of said arm and laterally thereof, said arm being upwardly offset, intermediate its ends; and a ball-supporting cup on the free end of said neck.

2,155,804
METHOD OF REINFORCEMENT FOR HANDLES AND THE LIKE
Frederick W. Rubin, Indianapolis, Ind.
Application February 26, 1937, Serial No. 127,901
2 Claims. (Cl. 145—61)

1. In an article of the character described, a reinforcing therefor comprising a metal wrapping spirally wound about the periphery thereof to form a plurality of convolutions, and means for rigidly and permanently connecting adjacent convolutions of said wrappings along a line extending transversely of substantially all of said convolutions.



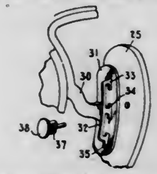
2,155,805
HUMIDIFIER
Bernhard Ruppert, Greenwich, Conn.
Application July 13, 1938, Serial No. 219,089
2 Claims. (Cl. 237—78)



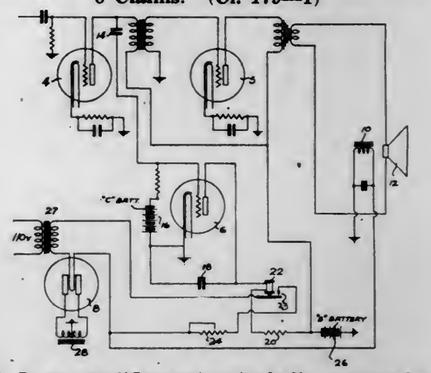
2. A humidifier attachment for a radiator of a heating system, comprising a reservoir of substantially right angle shape in cross section to provide an upper main chamber portion and a depending rearwardly disposed trough like chamber portion, said upper main chamber portion adapted to rest upon the top of the radiator to cover the same, relatively narrow elongated chamber portions formed on and communicating with the other chamber portions and depending from the upper main chamber portion for disposal between the radiator sections, evaporator fins individually detachably connected to and depending from the reservoir for disposal between the sections, valve controlled outlet means for the reservoir and connected to the elongated chamber portions to overlie the evaporator fins for supplying water thereto, a substantially L-shaped drip pan for each fin and secured to the lower ends thereof, and said fins each including an elongated substantially rectangular strip of absorbent material transversely bent substantially throughout the length thereof in serpentine formation, and reinforcing means interwoven within the strips to hold the same in said formation.

2,155,806
MULTIFOCAL EYEGLASS FRAME
Benjamin H. Sperber, Brooklyn, N. Y.
Application February 1, 1938, Serial No. 188,160
3 Claims. (Cl. 88—49)

1. An adjustable frame for multi-focal eyeglasses including a nose piece comprising a cross member having downwardly extending end portions defining side elements of said nose piece, nose plate elements, adjustable mounting means associating said side elements and said plate elements comprising a flat headed pin substantially rectangular in cross-sectional outline carried on one of said elements slidably received in a slot-like opening formed in another element, and means for substantially firmly holding said pin at intermediate positions in said slot comprising cutaway portions communicating with said slot and having square-cut formations adapted to engage with parts of and slidably hold said rectangular shaped pin whereby relative rotative movement of said pin will be at least mostly precluded.



2,155,807
OUTPUT CONTROL FOR AMPLIFIER SYSTEMS
Arthur J. Stimson, Spokane, Wash., assignor to Spokane Casket Company, Spokane, Wash.
Application June 16, 1936, Serial No. 85,473
8 Claims. (Cl. 179—1)

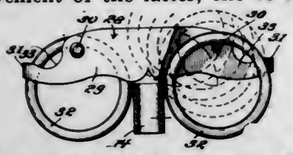


1. In an amplifier system including a reproducing output device and a thermionic rectifier for supplying the output device with field excitation, a control means comprising a thermionic tube adjusted so that a signal applied to said tube will cause a change in the average plate current of said tube, a relay connected in the plate circuit of said tube, a pair of contacts on said relay, these contacts controlling the flow of filament current to the thermionic rectifier tube which supplies field excitation to the output device and a rheostat to control the magnitude of the filament current in said rectifier.

2,155,808
GATE LATCH
Harold D. Swetman, Gulfport, Miss.
Application July 1, 1938, Serial No. 217,082
2 Claims. (Cl. 292—299)

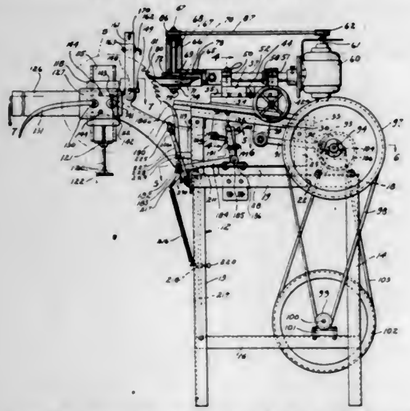
1. A device of the character described, comprising, a latch element adapted to engage a tongue extending between the fence and gate posts of a gate construction, said latch element

comprising a housing transversely overlying said tongue, said housing formed with side walls fashioned with end sections connecting said walls together in spaced relation, a pair of spaced circular members suspended between said walls and normally embracing said tongue to preclude lateral movement of the latter, one of said mem-



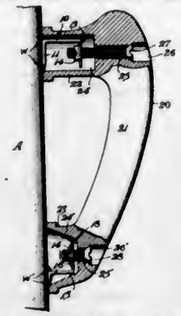
bers displaceable by said tongue to effect interposing of the latter between said members, said walls adjacent said end sections fashioned with downwardly extending recesses exposing side faces of said members whereby to permit said members to be grasped and manually raised upwardly through said housing to permit movement of said tongue from between said members.

2,155,809
SAW GRINDING MACHINE
Willard H. Thurston, Los Angeles, Calif.
Application January 4, 1937, Serial No. 118,974
4 Claims. (Cl. 76—32)



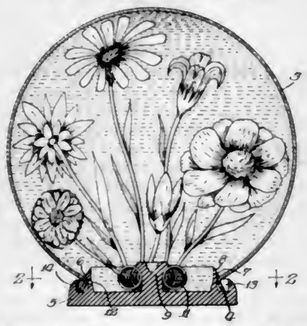
1. In a circular-saw grinding machine, the combination of means for supporting a circular saw for rotation on a horizontal axis, a rotatable saw grinding wheel, a carriage supporting said rotatable grinding wheel, said carriage being reciprocable toward and from the saw, means for rotating the grinding wheel, means for reciprocating the carriage to move the grinding wheel into and retract it from engagement with the saw, a feeding pawl operating in the plane of the saw and adapted to engage and move the saw, a pivoted bell crank, a pivotal connection between one arm of said bell crank and the rearward end of said pawl, means on the carriage adapted to engage the other arm of said bell crank during movement of the carriage from the saw, whereby the bell crank is swung to move the pawl to feed the saw, and means acting to return said pawl and bell crank to a position out of engagement with the saw upon movement of the carriage toward the saw, said means comprising an arm on the pivoted rearward end of the pawl extending from the pawl in the plane of the saw, and a tension spring attached to said arm and acting on said arm along a line which is also in the plane of the saw.

2,155,810
ATTACHING HANDLES, KNOBS, AND THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application February 14, 1938, Serial No. 190,525
9 Claims. (Cl. 16—114)



3. A mounting for attaching an article to a wall member under continuously effective spring tension, said mounting comprising a unitary connecting device having a section welded to the wall member and including a head section spaced from said wall member and extending free to be yieldable relative thereto, said head section being provided with threaded fastener receiving means adapted to engage a threaded member securing the article to the wall member in a resilient connection provided by said yieldable head section of the connecting device.

2,155,811
FLORAL AQUARIUM
Fred W. Tredup, Chicago, Ill.
Application June 25, 1937, Serial No. 150,284
8 Claims. (Cl. 47—41)



1. A floral aquarium comprising a water filled inverted glass bowl provided with an opening, and a supporting base provided with a groove adapted to receive the mouth of said bowl the outer wall of said groove being spaced from and out of contact with the exterior of said bowl and the inner wall of said groove being provided with a circumferential shoulder engaging the interior of the bowl to retain the base and bowl in associated relation.

2,155,812
COAT SLEEVE FORM
Mark M. Uhley, Sioux Falls, S. Dak.
Application August 13, 1937, Serial No. 159,006
2 Claims. (Cl. 223—72)

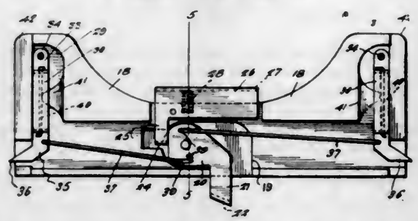
1. A built-up sleeve form for display purposes,

comprising a flat elongated body having front and rear edges, a laminated member secured to one side face of the body having its rear edge alined with the rear edge of the body and its front edge terminating at a point intermediate



the front and rear edges of the body, padding material of substantially uniform thickness disposed over the body and laminated member so as to be deformed by the latter, and a fabric covering completely encasing all of said parts.

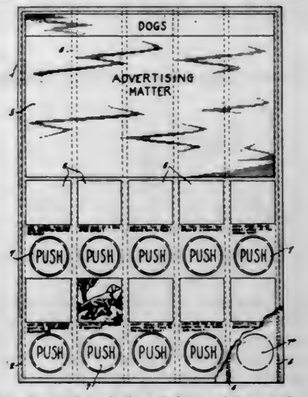
2,155,813
TRAY ATTACHMENT MEANS
Clarence Roland Veal, Albany, Oreg.
Application February 11, 1938, Serial No. 190,098
1 Claim. (Cl. 155—127)



In combination, a high chair including arms, keeper means on the inner sides of the arms, a tray, latch means on the tray including detents swingably mounted thereon for engagement with the keeper means on the arms, a rotatable operator on said tray operatively connected to the detents to engage and disengage the same, and having a shoulder thereon, a catch for the operator having a lip thereon for engagement with the shoulder to prevent operation of the operator, said catch being mounted on the tray and operative to disengage the lip from the shoulder, and spring means tensioning said catch against such operation.

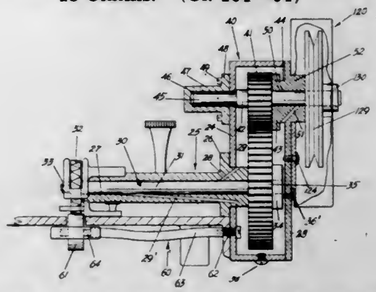
2,155,814
GAME
Graff F. Wolfe, Minneapolis, Minn.
Application July 8, 1937, Serial No. 152,623
8 Claims. (Cl. 35—9)

1. An educational device, comprising a card, said card having a picture and a question thereon, said question relating to the subject of said picture; a detachable section below said question and containing an answer to said question and normally concealing said answer from view; and means constructed and arranged so that after detachment of said section the same may be



reassembled and retained in said card with said answer revealed.

2,155,815
PINKING MACHINE
Max Wollman, Los Angeles, Calif.
Application November 17, 1937, Serial No. 175,043
18 Claims. (Cl. 164—64)

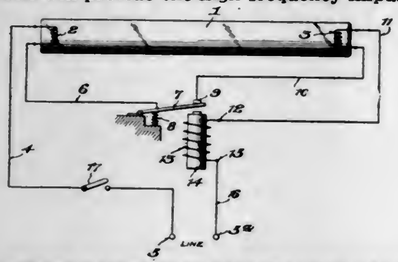


1. In a pinking machine having a fixed shaft housing with a shaft extending therethrough, a pinking wheel on said shaft, a complementary shaft having a pressure roller thereon combined with an enclosed gear housing having a driven gear for the first shaft, a driving gear mounted on a shaft, said gear housing being adapted to contain oil with the driven gear dipping therein, a feed oil duct in the said shaft housing on the upper side leading from the gear housing and a return oil duct in the lower part of the said shaft housing returning from a part of the first shaft remote from the driven gear to the gear housing.

2,155,816
STARTING AND OPERATING CIRCUIT FOR GASEOUS ELECTRIC DISCHARGE DEVICES
Maynard A. Babb, North Bergen, N. J., assignor to Duro-Test Corporation, a corporation of New York
Application October 12, 1938, Serial No. 234,710
2 Claims. (Cl. 176—124)

1. A starting and operating circuit for gaseous electric discharge devices having thermionic electrodes, comprising leads connecting the electrodes in series with a source of alternating current; a normally closed switch in said lead between the electrodes; and electromagnetic means

including a coil in one of the leads from the source adapted when energized to open said switch, whereby the coaction between the switch and coil will provide the high frequency impulses



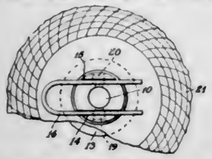
and voltage necessary to heat the electrodes up to the point of arcing, whereupon the arcing current passing through the coil will maintain the switch open, and the coil will serve to ballast the arcing current.

2,155,817

CLAMPING DEVICE FOR CHARTS FOR RECORDING INSTRUMENTS

Carlton W. Bristol, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application December 1, 1937, Serial No. 177,466
4 Claims. (Cl. 234—75)



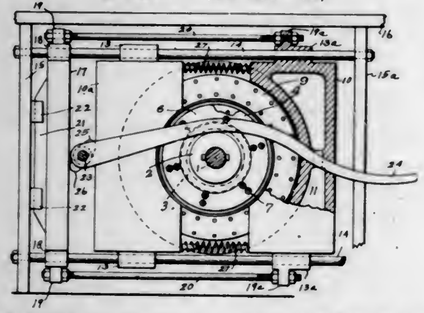
1. In a chart-clamping device: an arbor having a flange to receive a chart, a clamping member mounted on the arbor and having two parallel clamping portions radially displaced from the axis of said arbor and provided with similar inclined and elongated slots, pivot means transverse the axis of said arbor and engaging said slots whereby said member may be swung about said pivot means and slidably translated for wedging action with the flange of said arbor to retain a chart thereto.

2,155,818

BRAKE

William A. Carnes, Houston, Tex.

Application December 1, 1936, Serial No. 113,706
1 Claim. (Cl. 188—74)



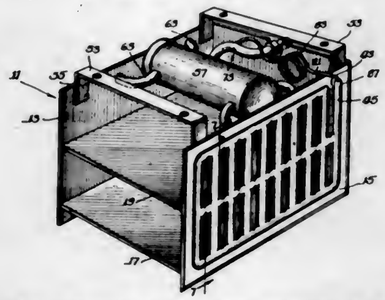
A brake mechanism comprising a brake drum having an external brake surface, complemental segments having inside surfaces which conform to the shape of and which are adapted to cooperate with the drum surface, parallel bearing rods arranged on opposite sides of the drum and forming tracks, bearings on the segments through which the rods extend, a fulcrum bar having end bearings mounted to move on the rod, a brake lever, oppositely disposed cams operative by the lever and arranged between and directly operable against one segment and said bar, means connecting said bar to the other segment, said cams being effective upon operation thereof to cause simultaneous actuation of both segments into braking relation with the drum and means for simultaneously moving the sections into released position upon release of said lever.

2,155,819

EVAPORATOR

Arthur R. Constantine, River Forest, Ill., assignor to General Household Utilities Company, Chicago, Ill., a corporation of Delaware

Application July 13, 1937, Serial No. 153,374
9 Claims. (Cl. 62—126)



1. An evaporator or boiler comprising spaced side wall elements and an intermediate partition or shelf element, said elements having substantially identical structural arrangement and comprising each a pair of cooperating plates formed to provide therebetween a plurality of parallel grooves interconnected by transverse grooves at and intermediate the opposed ends of the parallel grooves to provide between the plates of each element a system of interconnected ducts, connector means communicating with the duct systems of said side wall elements through openings in the facing plates thereof and communicating with the duct system of the shelf element whereby to interconnect the duct systems of said side wall elements, and means forming a header chamber in communication with the duct systems of said side wall elements.

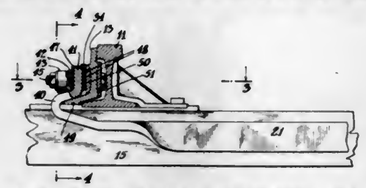
2,155,820

ADJUSTABLE CONNECTION FOR RAIL POINTS

Samuel L. Eastburn, Sloatsburg, N. Y., and George M. Cooper, Fair Lawn, N. J., assignors, by mesne assignments, to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Original application April 7, 1936, Serial No. 73,062. Divided and this application October 10, 1936, Serial No. 104,980.
1 Claim. (Cl. 246—452)

In an adjustable connection for a safety switch lock, a movable switch point, a stationary rail, a rod having a flat connecting end, said end being bent to form a flat lateral portion and being further bent to form a flat head, a clamping bar having apertured ends, said head being disposed between said clamping bar and the web of said switch point, said lateral portion being located between said clamping bar and the flange of said switch point, bolts passing through said apertured ends and the web of said switch point on opposite



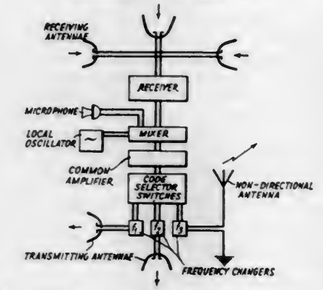
sides of said head, and shims between said head and said bar or switch point according to adjustment, said shims having upper shoulders engaging over the members adjacent thereto to prevent said shims from dropping down should said clamping bar become loose, said rod extending to a safety switch lock.

2,155,821

RADIO RELAY AND DISTRIBUTION SYSTEM

Alfred N. Goldsmith, New York, N. Y.

Application December 7, 1936, Serial No. 114,536
17 Claims. (Cl. 250—11)



6. In an ultra-short wave relay station, the method of receiving and re-transmitting intelligence which comprises simultaneously receiving at said relay station intelligence bearing signals such as are constituted by modulations of different carrier waves derived from respectively different outlying sources, combining said signals into a composite wave, amplifying said wave, separately filtering the modulated carrier components of said wave appropriate to the signals from each outlying source, and re-transmitting the energy so amplified and filtered in respectively different directions in accordance with the intended destination of each piece of intelligence.

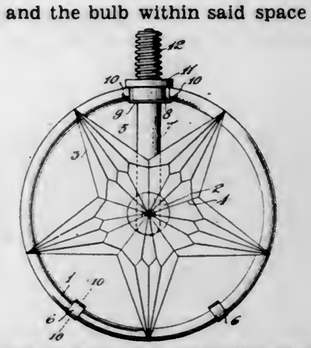
2,155,822

ILLUMINATED DECORATIVE DEVICE

Elmer J. Graf, Roselle Park, N. J., assignor to G. B. G. Corporation, Newark, N. J.

Application February 19, 1937, Serial No. 126,607
9 Claims. (Cl. 240—10)

9. An illuminated decorative unit of the class described including a circular, ornamental rim and two ornamental sides, the latter of which at least are of translucent material and having their central portions spaced laterally away from each other to form a space therebetween, and having radially extending tapered portions meeting at arcuately spaced points in said rim, and being fastened thereto and a lamp bulb structure having a bulb and stem carried directly by the rim, and the bulb within said space and the



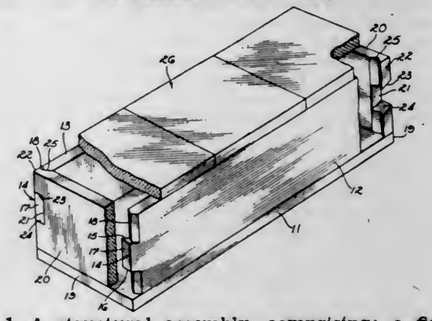
stem extending from the rim and serving as the sole means for mounting the unit.

2,155,823

CONCRETE BOX JOINT

Thornton Hamlin, Pasadena, and John Hiram Hood, South Pasadena, Calif.

Application December 31, 1937, Serial No. 182,772
10 Claims. (Cl. 72—38)



1. A structural assembly, comprising: a first vertical plate having a vertical groove on its first side face and a transverse recess opening on said first side face, the upper face of said recess sloping upwardly and outwardly; and a second vertical plate having a first projection extending longitudinally from the end of said second plate and mating with said groove and adapted to prevent horizontal displacement of said first plate transversely of said second plate, and having a second projection extending longitudinally from its said end face adapted to enter said recess, its upper face sloping upwardly and outwardly to mate with the upper face of said recess and adapted to prevent displacement of said first plate with respect to said second plate either vertically downward or horizontally toward or from said second plate.

2,155,824

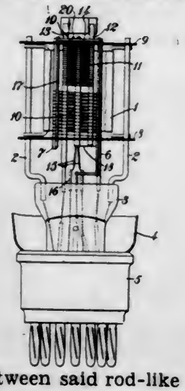
ELECTRON DISCHARGE DEVICE

John Henry Owen Harries, London, England

Application August 12, 1936, Serial No. 95,494
In Great Britain May 25, 1936
5 Claims. (Cl. 250—27.5)

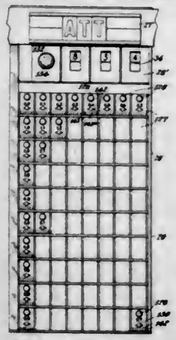
1. An electron discharge device comprising a cathode, a control electrode, an auxiliary electrode, an anode spaced from said auxiliary electrode by a distance approximating the distance at which a minimum anode voltage produces anode current saturation, rod-like electrodes independent of said control and auxiliary electrodes for directing electrons in a comparatively

confined path toward said anode, and electrical



connections between said rod-like electrodes and said cathode.

2,155,825
NUMERICAL COMPARATOR
Merton L. Haselton, Rye, N. Y., and Raymond M. Hicks, Plainfield, N. J., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application February 2, 1935, Serial No. 4,637
15 Claims. (Cl. 177—353)



3. A numerical comparator comprising a multi-contact device settable to a plurality of positions each corresponding to digits of a number representing an instant price of a stock or other item which fluctuates in value, means operatively connected with said multi-contact device for setting said device from a remote point, to different ones of said positions respectively corresponding to the new prices of the item, a second device having a plurality of members selectively settable at will to positions corresponding to digits of a number representing any one of a plurality of predetermined prices of an item, circuits interconnecting said devices, and means including said circuits controlled by said multi-contact device for automatically giving a signal when the new price of the item set up on said multi-contact device either equals or passes the numerical value of the item set up on the second settable device.

2,155,826
CASTER
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application August 26, 1936, Serial No. 97,904
5 Claims. (Cl. 16—38)

5. In a furniture support for insertion in a tubular leg, a floor engaging element, a vertical stem connected thereto, an expansion sleeve surrounding said stem, means on said stem for axially compressing said sleeve whereby said sleeve is laterally expanded, a rigid tubular member disposed in lateral bracing relation on a



portion of said sleeve to confine lateral expansion in one direction, said tubular member being positioned asymmetrically longitudinally of said sleeve to cause differential expansion of the ends of the sleeve to cause differential gripping action of the upper and lower portions of said sleeve.

2,155,827
CASTER
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application March 22, 1937, Serial No. 132,426
4 Claims. (Cl. 16—38)



1. In a furniture support for insertion in a tubular leg, a floor engaging element, a vertical stem connected thereto, an expansion sleeve surrounding said stem, said stem being rotatable with respect to said expansion sleeve and having a threaded upper end projecting above said sleeve, a nut on said threaded upper end adapted to be axially moved through rotation of said stem, a gripping member engaged upon said stem beneath said nut and non-rotatably connected to said nut, said gripping member adapted to engage the inner surface of said leg and to be held against rotation thereby, whereby said nut is held against rotation.

2,155,828
CASTER
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 13, 1937, Serial No. 174,436
6 Claims. (Cl. 16—38)

1. In a furniture support for insertion in a tubular leg, a floor engaging element, a vertical stem connected thereto, an expansion sleeve laterally expansible upon axial compression surrounding said stem and having upper and lower end surfaces, and including a circumferentially non-continuous portion at its upper end, means on said stem engaging the upper and lower end surfaces of said sleeve for axially compressing said sleeve whereby said sleeve is laterally expanded, said means including an expander ele-



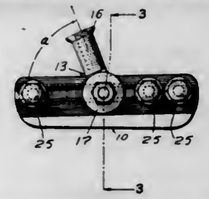
ment surrounding said stem having means adapted to enter the bore of said sleeve at said upper end whereby said circumferentially non-continuous portion of said sleeve is initially laterally displaced, continued movement of said expander in its entering direction adapted to laterally expand said sleeve between its ends.

2,155,829
SLIDE, CASTER, OR THE LIKE FOR FURNITURE
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application November 26, 1937, Serial No. 176,736
4 Claims. (Cl. 16—42)



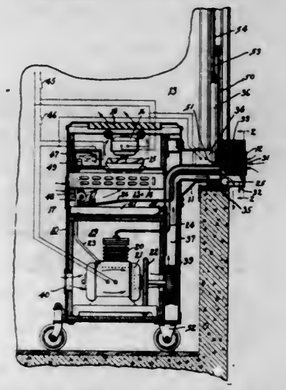
1. In a furniture support, for attachment to a hollow portion of furniture having a wall portion provided with an aperture positioned inwardly of the edges of said wall portion to provide a shoulder within said hollow portion extending laterally outwardly from said aperture, a floor engaging element having an upper surface wider laterally than said aperture and adapted to oppose the outer face of said wall in surrounding relation to said aperture, an expansion element including a rubber body laterally expansible upon axial compression rotatably connected at the upper side of said floor engaging element of an axial dimension greater than the thickness of said wall portion and a lateral dimension in its non-compressed state permitting it to be inserted through said aperture with its upper end portion axially beyond the inner face of said wall portion and its lower end portion laterally within said aperture, and adapted to cooperatively engage the wall of said aperture to resist relative turning of said rubber body in its non-compressed state, the lower end portion of said expansion element being smaller laterally than said aperture and in rotatable bearing engagement with the upper surface of said floor engaging element, and compression means connected to said floor engaging element and engaging said expansion element adapted to effect axial compression of said rubber body through manual rotation of said floor engaging element relatively to said expansion element whereby said rubber body expands laterally over said shoulder.

2,155,830
GOLF CLUB
John J. Howard, Germantown, Philadelphia, Pa.
Application September 24, 1938, Serial No. 231,486
4 Claims. (Cl. 273—79)



1. In a golf club in combination a stem portion, a head portion extending substantially transversely of the stem portion and having laterally disposed therein an undercut groove; and means for adjustably connecting said stem with said head portion, comprising an articulated connection designed to be operable in a predetermined plane of angular movement and permitting relative angular positioning of the head portion relative to said stem portion in said plane, and further comprising means for bodily adjusting said articulated connection by way of and along said undercut groove; and means for fixing the head portion when thus positioned, relative to the stem.

2,155,831
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 24, 1934, Serial No. 749,771
4 Claims. (Cl. 62—129)



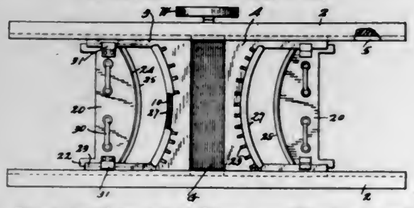
1. In an air conditioner for a room or the like, an evaporator and compressor in said room, a condenser outside said room, a blower to circulate air outside said room over said condenser, a condenser blower motor connected to said blower, a second blower to circulate air to be conditioned over said evaporator, conduit means to circulate air from said room out of said room, a third blower for said conduit means, a compressor motor connected to said compressor and to said third blower, switch means responsive to conditions in said room for controlling the operation of said motors.

2,155,832
TRAFFIC CONTROL SIGN
Ralph W. Hunter, Jacksonville, Fla., assignor to Scientific Traffic Controls, Inc., a corporation of Florida
Application October 3, 1933, Serial No. 691,936
Renewed September 21, 1938
3 Claims. (Cl. 40—125)



1. In a sign device, a flexible mat having layers of textile material and wire mesh and a binder therefor, and metal direction characters locked thereon, said metal characters comprising plates having prongs extending through the interstices of said wire mesh and being clinched in said mat.

2,155,833
LEATHER STRETCHING APPARATUS
Carl Hugo Johanson, Los Angeles, Calif., assignor to Olivia S. Johanson, Los Angeles, Calif.
Application November 20, 1937, Serial No. 175,668
14 Claims. (Cl. 149—21)



1. In a leather stretching machine, a pair of slides movable into juxtaposition so that a sheet of skin may be draped thereover to distally opposite edges of the slides, and means along said edges whereby to grip longitudinal zones of the sheet with pressure the degree of which gradually diminishes from the longitudinal center of each gripping means; said slides being forcibly separable to stretch the sheet portion extending between the slides.

2,155,834
BRACKET FOR AUTOMOBILE ROBE RAIL
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application May 3, 1937, Serial No. 140,409
1 Claim. (Cl. 105—354)

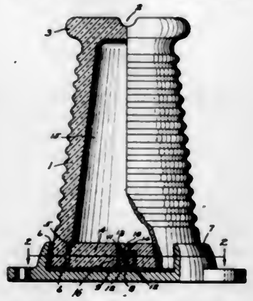


A bracket for an automobile robe rail, cord or the like for attachment to an automobile body structure or the like, said body structure having a substantially flat surface provided with an opening therein, an escutcheon plate member having an outer surface substantially parallel to said body structure and having an inner surface adapted to be engaged at the outer side of said body structure, and said escutcheon plate member having an apertured portion having a flange which extends diagonally inwardly through said opening in said body structure to receive the robe rail or the like, one end of said flange forming an acute angle with the inner surface of said escutcheon plate member and constituting therewith a hook portion and the other end of said flange forming an obtuse angle with respect to said inner surface, and a tubular member at the inner side of said escutcheon plate member having one end disposed diagonally to its longitudinal axis whereby one side of said tubular members is relatively shorter than its opposed side, said tubular member being engaged about said flange with its diagonally disposed end engaging the inner surface of said escutcheon plate member with the end of its short side engaging said acute angle hook portion of said flange and its opposed long side engaging said obtuse angle portion of the flange, said tubular member adapted to receive the end of the robe rail axially thereof, outward pulling strain on said robe rail axially of said tubular member adapted to draw said long side of said tubular member against said obtuse angle portion of said flange by fulcruming about the end of the opposed short side engaged with said hook portion.

2,155,835
CERAMIC INSULATING MATERIAL
George L. McCreery and Van E. Campbell, Barberton, and Ray Higgins, Wadsworth, Ohio, assignors to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
No Drawing. Application December 24, 1936, Serial No. 117,558
11 Claims. (Cl. 106—12)

1. Ceramic insulating material of high specific inductive capacity in which pre-roasted titanium oxide is combined with clay using sodium titanium silicate as an electrolyte and fluxing agent.

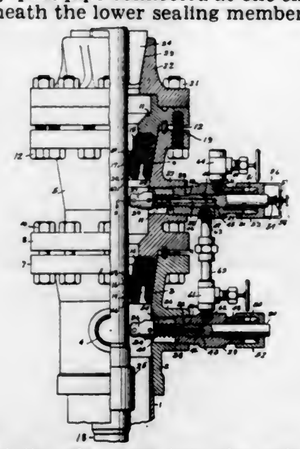
2,155,836
INSULATOR
George A. Mead, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 16, 1937, Serial No. 120,949
5 Claims. (Cl. 174—30)



1. An insulator comprising a porcelain shell having a perforation through the porcelain wall thereof, valve mechanism including a valve secured in said perforation to facilitate filling said shell with gas and for closing said perforation to prevent escape of said gas after filling and prior to sealing and supplemental means for sealing said perforation to retain said gas permanently in said shell notwithstanding any possible slow leak in said valve.

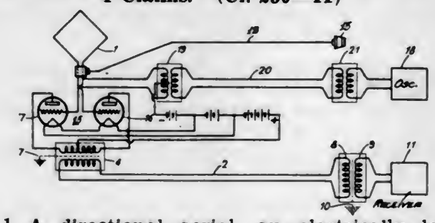
2,155,837
BLOW-OUT PREVENTER
Arthur J. Penick and Kirby T. Penick, Houston, Tex.
Application August 2, 1935, Serial No. 34,315
6 Claims. (Cl. 166—14)

1. A blowout preventer comprising a tubular body adapted to be secured to the top of a pipe in a well and shaped to permit the passage of an inner pipe therethrough, annular sealing members on the body shaped to fit closely around the inner pipe and close the space between said body and inner pipe, a cylinder attached to the body, a plunger in the cylinder whose inner end extends into the body between said sealing members, a by-pass pipe connected at one end into the body beneath the lower sealing member and con-



nected at its other end into the cylinder, said cylinder having a relief port and said plunger having a passageway, said passageway and port being arranged to permit relief of the pressure of the well fluid flowing through said by-pass pipe when the plunger is in one position and to conduct said fluid into the body between the sealing members when the plunger is in another position.

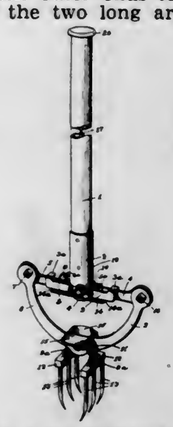
2,155,838
DIRECTION FINDING SYSTEM
Greenleaf W. Pickard, Seabrook Beach, N. H., assignor to Radio Corporation of America, a corporation of Delaware
Application October 18, 1935, Serial No. 45,538
4 Claims. (Cl. 250—11)



1. A directional aerial, an electrically long transmission line having substantially no signal pickup, a push-pull radio-frequency amplifier for providing electrical symmetrical coupling means between said aerial and said transmission line, a receiver fed through said transmission line with signaling energy from said aerial, means including a mechanical connection between said aerial and a point located in the vicinity of said receiver for rotating said aerial, and an index controlled by the last said means.

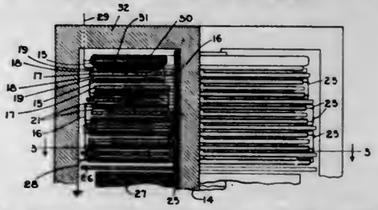
2,155,839
WEED-PULLING APPLIANCE
Jason N. Pride, Windham Center, Maine, assignor, by direct and mesne assignments, of one-half to Henry L. Chenery, and one-fourth to James A. Taylor, both of Portland, Maine
Application February 21, 1938, Serial No. 191,628
5 Claims. (Cl. 55—148)

1. A weed-pulling appliance comprising two rotatable members each having a long arm and a short leg, a rivet pivotally securing the two said members together, a plurality of tines, having pointed lower ends bent inwardly, disposed on and depending from each of said short legs, the tines in each leg being arranged in a row parallel with the axis of said rivet, toggle bars pivotally connected at their outer ends to the free ends, respectively, of the two long arms of said ro-



tatable members, a toggle-bar-aligning member to which the inner ends of said toggle bars are pivotally connected, a stop element at each end of said toggle-bar-aligning member, adapted to limit the rotative movement of said toggle bars in one direction, and a spring adapted to engage the under side of each of said toggle bars and, normally, to yieldingly hold them in engagement with said stop elements.

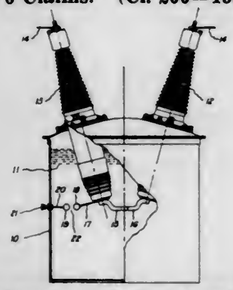
2,155,840
ELECTRICAL TRANSFORMER
Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 21, 1936, Serial No. 91,681
5 Claims. (Cl. 175—356)



5. A transformer having its high potential winding arranged in thin, flat sections of much greater extent radially of said winding than longitudinally of the axis thereof, the conductor of each section being connected at one edge of the section to the conductor of the next adjacent section on one side and, at the other edge, to the conductor of the next adjacent section on the other side so that the conductors of all the sections are continuously connected in series and, when current is flowing in said winding, any two adjacent sections will have the same potential at the connected edges thereof but different potentials at the opposite or unconnected edges thereof, thin, flat porcelain plates interposed between said sections, the opposite faces of said plates being provided with conductor coverings forming capacitor units with said plates, each of said conductor coverings lying substantially in a

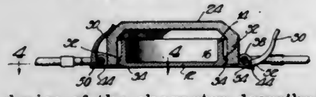
single plane, the conductor coverings of each porcelain plate being connected respectively to the conductors of the adjacent winding sections at the unconnected edges of said sections, the capacitor units being thus connected in two capacitor paths, each path having spaced points therein connected respectively to spaced points in said winding.

2,155,841
PROTECTIVE GAP
Harold L. Rorden, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 16, 1937, Serial No. 169,475
6 Claims. (Cl. 200—150)



1. In combination, electric apparatus, a housing enclosing said apparatus, an insulating bushing extending into said housing and having a conductor carried thereby and connected with said apparatus and insulated from said housing, a sphere gap electrode electrically connected with said conductor, a second sphere gap electrode mounted in said housing and electrically connected to the wall thereof and providing a path through the gap between said electrodes to ground and insulating liquid in said housing and disposed in the space between said electrodes.

2,155,842
WATCH
Harry C. Ruger, New York, N. Y., assignor of one-half to Joseph Lipschutz, New York, N. Y.
Application July 1, 1937, Serial No. 151,348
1 Claim. (Cl. 58—91)

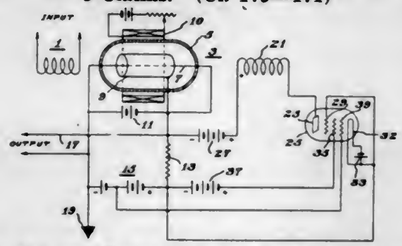


In a device of the character described, a watch movement supporting platform, a flange defining the marginal edge of the watch movement supporting platform, diametrically oppositely disposed pairs of lugs projecting from said flange, a bodily removable dome-like crystal mounted upon said movement supporting platform within the confines of the marginal flange thereof, and means for retaining said crystal in place upon the movement supporting platform, said means comprising a pair of oppositely disposed pivoted levers, pivotally mounted one in each pair of lugs to move into and out of engagement with the crystal on the platform, and means for retaining the pivoted levers in engagement with the crystal, said means comprising a flat leaf spring removably carried by the watch movement supporting platform, each of said springs having one of its ends underlying its respective pivoted lever and its other end in engagement with the movement supporting platform and exerting resilient pressure on said lever.

2,155,843
METHOD OF PURIFYING MILK
Richard W. Schmidt, Redondo Beach, Calif., assignor to The Evanston Company, Los Angeles, Calif., a corporation of Nevada
No Drawing. Application December 29, 1937, Serial No. 182,257
3 Claims. (Cl. 99—151)

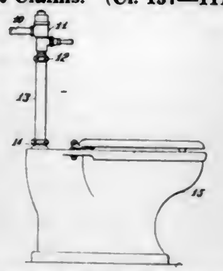
1. The method of purifying milk which comprises: suspending in said milk a chemically inert diatomaceous earth filter-aid in a proportion ranging from 0.05% to 0.50% of the weight of said milk, and filtering said suspension at a temperature not below the melting point of the butter fat of said milk.

2,155,844
MAGNETRON AMPLIFIER
Robert Serrell, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 17, 1936, Serial No. 91,204
8 Claims. (Cl. 179—171)



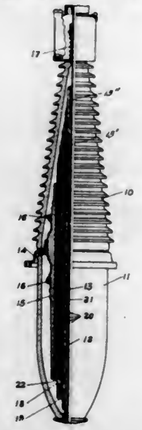
5. An amplifier comprising a magnetron, means for creating a magnetic field for said magnetron, means for impressing input currents on said magnetron, a resistive output element traversed by amplified output currents, and means including a thermionic tube responsive to voltage changes across said output element for creating a magnetic field by currents in said tube which substantially vary as the square root of the voltage across said resistive output element.

2,155,845
AIR INLET DEVICE FOR FLUSH VALVES
William C. Shanley, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1934, Serial No. 737,464
12 Claims. (Cl. 137—111)



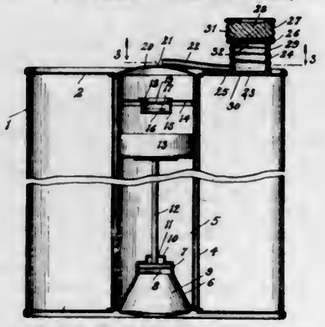
1. In a flushing apparatus for toilets, the combination with a conduit for flushing liquids, of a silencer therein consisting of a funnel-shaped member contracted toward its outlet and supported therein and leaving an annular passage about its upper end and furnishing a contracted orifice through its center adapted to have flushing liquid only passing downwardly therethrough.

2,155,846
INSULATOR
William A. Smith, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application January 27, 1938, Serial No. 187,190
5 Claims. (Cl. 174—31)



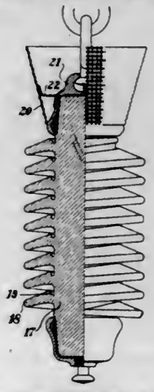
4. Electrical apparatus comprising a supporting ring, a conductor passing through said ring, a dielectric housing supported by said ring and surrounding said conductor and providing a container for insulating liquid about said conductor and a tubular baffle disposed within said container and surrounding said conductor, said baffle being formed of a plurality of porcelain shells, said shells being nested together with their walls overlapping, the walls of some of said shells each overlapping a plurality of longitudinally spaced joints between adjacent shells in said baffle and of sufficient longitudinal extent to provide a plurality of layers of dielectric material registering with each joint between adjacent shells, said overlapping layers being spaced apart, the spaces between said layer being open at their ends to permit circulation of insulating liquid through said spaces in the direction of the axis of said tubular baffle.

2,155,847
SPRAYING DEVICE
David A. Sprigings, Bloomfield, N. J., assignor to Standard Container, Inc., Bloomfield, N. J., a corporation of New Jersey
Application March 26, 1938, Serial No. 198,162
9 Claims (Cl. 299—88)



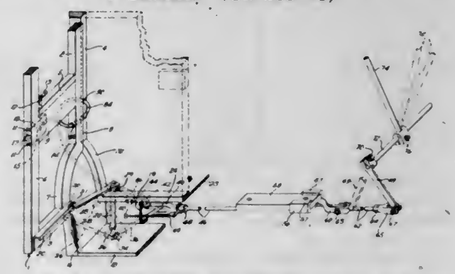
7. A can for containing insecticide or other liquid adapted to be sprayed, a spraying device mounted within the can, said spraying device having a piston-reciprocating handle located at one end of the can and an air-spray opening at the other end of the can, one end of the can having a liquid-supply opening, a siphon tube having one end located adjacent to the air-spray opening and its other end located adjacent to the liquid-supply opening, a closure cap provided with a closed end receivable over the liquid-supply opening to close the same, the opposite end of the cap being cupped to form a liquid-containing chamber around the liquid supply opening and the adjacent end of the siphon tube when the cap is placed over the opening with the cupped portion thereof directed toward the opening.

2,155,848
INSULATOR
John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of Ohio
Application November 14, 1936, Serial No. 110 885
8 Claims. (Cl. 174—139)



6. An insulator comprising an elongated dielectric member having a helical flange thereon, the pitch of said flange being such that water thereon will travel very slowly in a circumferential direction and excess water will drip from the edge thereof and not be thrown therefrom by centrifugal force, said flange being constructed and arranged to retain a limited stream of water thereon to provide a leakage path of substantially uniform resistance.

2,155,849
DOOR OPERATING MECHANISM
Ellery W. Thompson, New York, N. Y.
Application January 29, 1934, Serial No. 708,769
9 Claims. (Cl. 268—3)



1. In a door operating mechanism, means movable by hand at a point remote from the door,

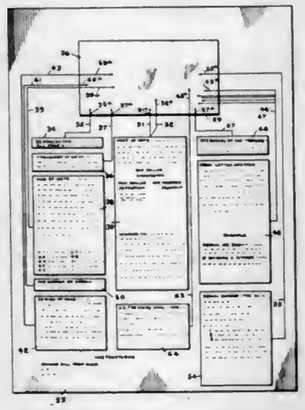
means supported outside the space of the door opening but adjacent the door and connected thereto to transmit motion to the door upon motion of said means adjacent the door, means providing a continuous force transmitting connection between said hand operable means and said means adjacent the door, said connection means being so arranged with respect to said means adjacent the door as to provide a slip motion of one with respect to the other, whereby when said door is held against motion upon an initial motion of said hand operable means motion of said connection means relative to said means adjacent the door is produced but thereafter upon further motion of said hand operable means said connection means may cause motion of the door, a latch upon the door, a flexible casing extending from a point adjacent the latch to a point adjacent said means adjacent the door, said flexible casing being so supported upon the door and with respect to the frame of the door as to provide for flexure of the casing in the opening and closing of the door, said casing also being so supported and arranged with respect to said connection means as to provide for flexure of the casing upon motion of said means adjacent the door in the opening and closing of the door, a flexible member connecting to the latch from said connection means and arranged to receive said initial motion of said hand operable means, said flexible member passing through said flexible casing and being supported thereby, said flexible casing being so formed and arranged as to provide for motion therein of said flexible member to cause transmission to the latch of said slip motion regardless of the flexed positions of said casing, and means biasing said connection means and said means adjacent the door against said slip motion and acting to restore said latch to latching position in the door after unlatching of the door while maintaining said continuous force-transmitting connection.

2,155,850
SPRAYING DEVICE
William Martin Vogel, Bloomfield, N. J.
Application July 19, 1938, Serial No. 220,040
4 Claims. (Cl. 299—88)



2. A spraying device including a cylinder, a piston for reciprocation therein, said cylinder having at one end walls forming inner and outer chambers, the inner chamber having openings in its opposite end walls connected by a tube, said tube communicating at one end with the cylinder, the inner chamber having a projecting portion surrounded by and spaced from the walls of the outer chamber, the outer chamber having a portion provided with a spray opening located adjacent to one end of the tube, the projecting portion of the inner chamber being apertured within the surrounding part of the outer chamber, an absorbent material in the inner chamber with which said aperture communicates, and a communication between the inner chamber and a source of liquid supply.

2,155,851
EDUCATIONAL AND IDENTIFICATION CHART
James M. Weitsman, Brooklyn, N. Y.
Application July 18, 1935, Serial No. 32,053
13 Claims. (Cl. 35—24)

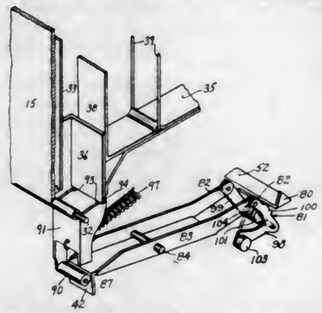


1. A chart comprising in combination a transparent window behind which a bill or note of currency may be located in a predetermined position and there examined, descriptive matter upon a portion of said chart which will not be superimposed upon a bill or note located in such predetermined position referring to the characteristics of various kinds and denominations of currency, and leader lines partly upon said transparent window indicating the location at which characteristics referred to should appear if present when said bill or note is in such predetermined position.

2,155,852
ELECTRIC TOASTER
Oscar M. Anderson and Nils T. Almquist, New Britain, Conn., assignors to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application February 20, 1936, Serial No. 64,852
8 Claims. (Cl. 161—16)

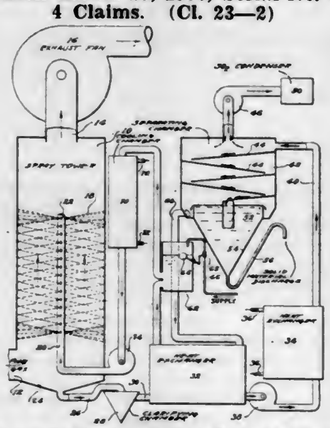
8. In combination with an electric toaster having a bread carrier movable into and out of a toasting zone, a spring actuated member arranged to shift the carrier out of the toasting zone, a lever associated at one end with said member and arranged to release said member for spring actuated movement, a link on the free end of said lever and having a roller journalled at its lower end, a swinging arm provided with a cam arranged to engage said roller and shift said lever to release said spring actuated member, a timing mechanism arranged to cause an operative movement of said arm at a uniformly

slow and predetermined rate, means to adjustably preset said arm relative to the roller, and



a lost motion connection between said arm and the clock mechanism.

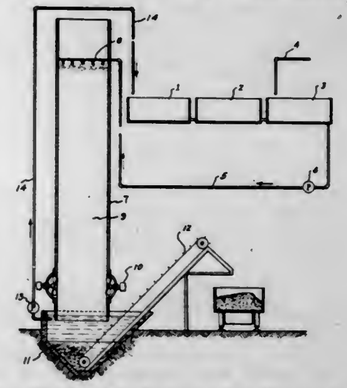
2,155,853
METHOD OF PURIFYING FLUE GASES
Alfred W. Anthony, Jr., Belmont, Mass., assignor to Pease, Anthony Equipment Company, Cambridge, Mass., a corporation of Massachusetts
Application March 29, 1937, Serial No. 133,502
4 Claims. (Cl. 23—2)



1. The method of treating flue gases containing solid materials and soluble or chemically reactive gases in suspension, which consists in scrubbing and washing the gas to be treated through intimate surface contact with an alkaline washing fluid capable of dissolving the soluble gases and of wetting down and removing solid materials, thereafter substantially elevating the temperature of the washing fluid with contained solids and dissolved gases to not less than 180° F., approximately, liberating and removing from the fluid a percentage of the gases at the elevated temperature, and while the temperature is still elevated separating from the fluid entrained solid materials.

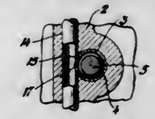
2,155,854
PICKLING PROCESS
Hugh C. Barnes and Edward N. Millan, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application May 26, 1937, Serial No. 144,902
6 Claims. (Cl. 148—8)

1. A pickling process for iron and steel using sulphuric acid and involving continuous regeneration of the pickle liquor, said process including the steps of carrying on the pickling operation within a temperature range of substantially 180° to 200° F., within an acid range of substantially 18% to substantially 20% of sulphuric acid, and within a ferrous sulphate range of substantially 13% to substantially 16%, continuously with-



drawing the pickle liquor at a ferrous sulphate concentration not higher than substantially 16%, and cooling said pickle liquor to a temperature not substantially higher than 83° F. whereby to reduce its ferrous sulphate concentration to substantially 13%, and continuously returning the pickle liquor so treated for re-use.

2,155,855
VALVE LUBRICATION
George P. Berry, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 10, 1937, Serial No. 141,593
1 Claim. (Cl. 184—6)



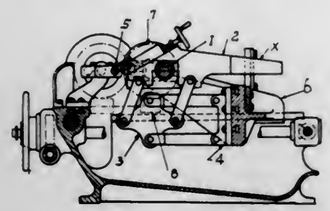
In an internal combustion engine, in combination, a combustion chamber, a valve therefor, said valve having a stem slidable in a valve guide, means whereby lubricating oil is supplied to the valve guide bearing surface, and means whereby lubricating oil passing along the stem of the valve is prevented from reaching that portion of the valve which is heated by the hot products of combustion and recovered and returned to the engine sump, said last named means including an annular groove in the bore of the valve guide, and a return conduit in communication with the annular groove, that edge of the annular groove in the bore of the valve guide nearest to the head of the valve being undercut to provide an acute angled scraping edge.

2,155,856
METHALLYL CINNAMATE
Edgar C. Britton and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application September 30, 1937, Serial No. 166,650
2 Claims. (Cl. 260—476)

1. 2-methylallyl cinnamate, a clear yellowish

mobile liquid having a boiling point between about 145° and about 153° C. at 8 millimeters pressure and a refractive index of about 1.5547 at 21° C.

2,155,857
CRANKSHAFT LATHE
Rudolf Dreverhoff, Cincinnati, Ohio
Application March 1, 1938, Serial No. 193,243
4 Claims. (Cl. 82—9)

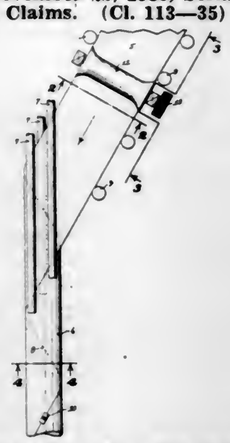


1. A machine of the character described comprising means for supporting and rotating the work or crankshaft to be turned, a master eccentric, connections between said master eccentric and the work supporting and driving means for rotating them in unison, means for supporting said master eccentric, a tool holder carried by said master eccentric, a tool adjustably attached to said toolholder for engaging the eccentrically rotating pin of said crankshaft to be turned, two parallelograms for causing said toolholder to swing parallel to itself and synchronously to the pin of said crankshaft to be turned, a link for joining said two parallelograms together like a chain whose one free end is pivotally connected against said toolholder, the other free end pivotally connected against a fixed point located between or outside of the machine, connecting points of said free end against said toolholder forming the opposite leg of the leg connected against said link of the parallelogram connecting said toolholder with said link, connecting points of the other free end against said fixed point forming the opposite leg of the leg connected against said link of the parallelogram connecting said link with said fixed point, so that the leg connected against said fixed point causes by means of said two parallelograms to carry over its permanent position to said toolholder holding it in a parallel to itself swinging position.

2,155,858
REFRACTORY MATERIAL
Arthur Frederick Greaves-Walker and Robert Le Grande Stone, Raleigh, N. C., assignors to Feldspathic Research Corporation, New York, N. Y.
No Drawing. Application March 18, 1937. Serial No. 131,750
3 Claims. (Cl. 106—9)

3. An unburned shaped refractory product, including comminuted olivine, up to 12% of comminuted dolomite initially having calcium carbonate content of not more than 40%, previously calcined in admixture with comminuted olivine, and silicate of soda in an amount up to approximately 6% (anhydrous basis), said components being compressed together to shape in a moistened state, and dried, and adapted for use as a furnace lining without previously being fired, the total amount of olivine being in amount at least several times the sum of all other components of said product.

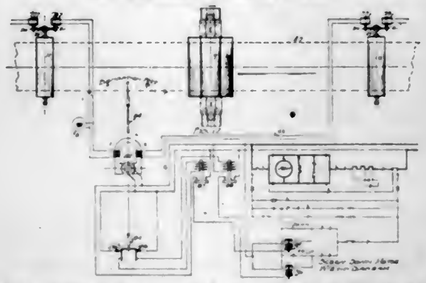
2,155,859
MANUFACTURE OF SPIRAL PIPE
Albert Kellogg Harford, Oakland, Calif., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application November 22, 1935, Serial No. 51,053
3 Claims. (Cl. 113—35)



1. Apparatus for making spiral pipe comprising rolls for guiding a sheet of metal helically into tubular form, means for joining the edges of the wound sheet to form a helical seam, and a pair of rolls between which the sheet passes and by which it is pushed into said guiding means, said rolls being shaped to curve the sheet transversely.

3. The method of making smooth walled spiral pipe, which includes the steps of driving an unsupported column of metal which normally is subject to buckling, by means of elements having cooperating complementary curved surfaces, thereby imparting to said strip a transverse curvature by means of the driving means, into guiding rolls which serve to form said metal into helical shape, and joining the edges of the sheet to form a helical seam.

2,155,860
AUTOMATIC CONTROLLING DEVICE FOR TANDEM MILLS
Edwin B. Hudson, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Application April 4, 1932, Serial No. 602,883
11 Claims. (Cl. 80—35)



1. In combination with a rolling mill, tensioning means for a work piece passing therethrough, means for measuring the tension of said piece between said mill and said tensioning means, automatic means connected therewith for regulating the speed of said tensioning means, means for measuring the effective surface speeds of a work piece as it enters and as it leaves said mill, and means for automatically actuating the screw down of said mill in accordance with the differential value of said measurements.

2,155,861
DUPLICATING INK AND METHOD OF MAKING THE SAME
William Jonse Hughes, Brooklyn, N. Y., assignor to Manifold Supplies Company, Brooklyn, N. Y., a corporation of New York
No Drawing. Application January 15, 1936, Serial No. 59,313
4 Claims. (Cl. 134—31)

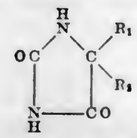
1. A duplicating ink comprising a mixture of dyes including chrysoidine, brilliant green, magenta and crystal violet in relative proportions to form a soluble coloring agent which, when employed in making multiple copies, produces copies or prints of substantially black hue, and an oil and wax medium having a melting point not substantially in excess of 138° F. and in which said dyes are dispersed in finely divided condition.

2,155,862
DUPLICATING INK
William Jonse Hughes, Brooklyn, N. Y., assignor to Manifold Supplies Company, Brooklyn, N. Y., a corporation of New York
No Drawing. Application January 15, 1936, Serial No. 59,314
3 Claims. (Cl. 134—31)

1. A duplicating ink comprising a mixture of dyes including chrysoidine, brilliant green, magenta and crystal violet in relative proportions to form a soluble coloring agent which, when the ink is employed as a record to be copied in a duplicating process, produces copies or prints of substantially black hue.

2,155,863
RESIN COMPOSITIONS
Ralph A. Jacobson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 29, 1936, Serial No. 77,013
15 Claims. (Cl. 260—69)

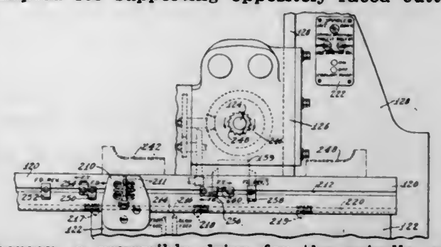
2. As a new composition a hydantoin-formaldehyde resin characterized by the fact that the hydantoin involved is represented by the general formula:



wherein R_1 and R_2 are selected from the class consisting of hydrogen, monovalent aliphatic radicals, and cycloaliphatic radicals.

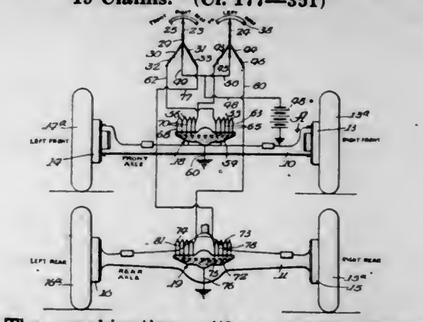
2,155,864
MILLING MACHINE
August L. Krause, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application August 18, 1937, Serial No. 159,699
14 Claims. (Cl. 90—21)

1. A milling machine having, in combination, a work table, a reversible drive for the table, table actuated feed and traverse directional control elements for said drive, a rotary cutter spindle adapted for supporting oppositely faced cutters



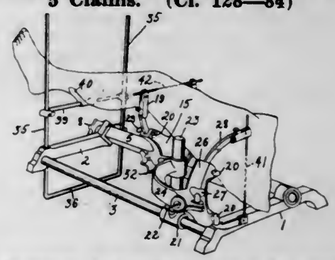
thereon, a reversible drive for the spindle, and connections controlled by said control elements effective upon a shift from traverse to feed following table reversal at a feed rate to reverse the spindle drive.

2,155,865
APPARATUS FOR INDICATING THE AMOUNT OF PRESSURE IN PNEUMATIC TIRES FOR AUTOMOBILES
Frank G. Leavenworth, Oak Park, and Martin J. Green, Chicago, Ill., assignors to William Hartman, Chicago, Ill., trustee
Application October 22, 1934, Serial No. 749,364
19 Claims. (Cl. 177—351)



6. The combination with a vehicle having wheels with pneumatic tires thereon, of an indicator for registering the amount of pressure in the tires, mounted on the vehicle and comprising pointers and graduated scales, and means for actuating the indicator, controlled by tilting due to tire deflation and automatically operative progressively to move the pointers with respect to the scales as the angle of tilt increases.

2,155,866
SURGICAL REDUCING FRAME
Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.
Application November 14, 1936, Serial No. 110,895
5 Claims. (Cl. 128—84)



5. In surgery, a splint for bone fractures having a base frame provided with a longitudinally

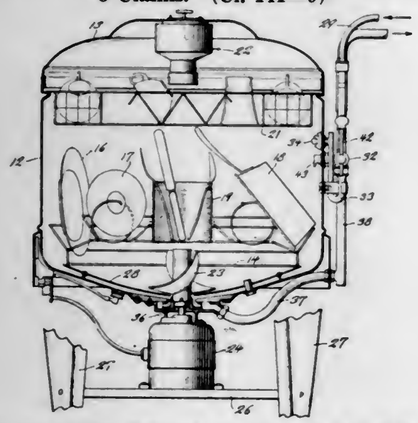
adjustable beam and adjusting means therefor, having also a side rod, and skeletal pin or wire securing bows provided each with a mount therefor that are adjustably supported respectively in connection with said beam and said side rod.

2,155,867
SWAY BAR
Brouwer D. McIntyre, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application January 17, 1938, Serial No. 185,473
7 Claims. (Cl. 267—11)



1. In a vehicle having sprung and unsprung assemblies, a stabilizer comprising a bar extending transversely of one of the assemblies and having arms extending laterally from the bar and directly pivotally connected to the other assembly, and blocks of resilient material mounting the bar on said one assembly for both rocking and shifting movement relative to the latter assembly.

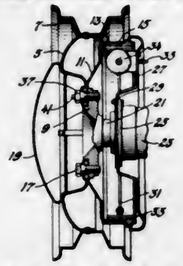
2,155,868
DISHWASHING MACHINE
Remigius Pauly and Eric Osterberg, Chicago, Ill.
Application November 8, 1934, Serial No. 751,982
8 Claims. (Cl. 141—9)



7. In a dish washing machine, a tub adapted to contain a supply of washing water, a rack for supporting dishes within the tub above the water level therein, an impeller in the tub for projecting water in the tub in contact with the dishes, an electric motor for driving said impeller, means for admitting water to the tub, and means for starting said motor in response to the admission of a predetermined amount of water, said last mentioned means including a movable member whose weight is increased by the admission thereinto of a part of said predetermined amount of water.

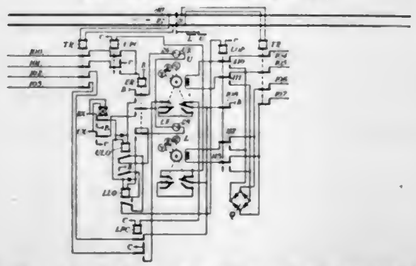
2,155,869
WHEEL BOLT
Frank C. Pearson, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 17, 1937, Serial No. 131,359
2 Claims. (Cl. 301—6)

1. In combination with a wheel and brake drum, means to secure said wheel and drum, said means extending into the brake drum and having



a through passage whereby air may be forced into the drum to remove foreign matter.

2,155,870
RAILWAY SIGNALING SYSTEM
George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 5, 1937, Serial No. 146,599
21 Claims. (Cl. 246—46)

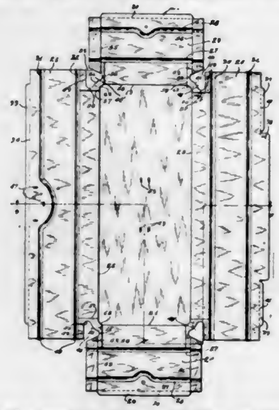


1. In combination, a section of railway track, a signal for said section including two indication units, said units each comprising a mechanism and a lamp cooperating therewith to provide a plurality of indications, means for lighting both lamps to cause the display of an indication, means governing said two mechanisms in such a manner that the signal is caused to assume a condition for displaying the "stop", "approach", "approach medium", "approach intermediate", or "proceed" indication in accordance with traffic conditions in advance of the signal, and means effective if the filament of either lamp becomes opened at any time to condition said mechanism for the display of one or another of two distinctive aspects according as the governing means for said signal is then in condition to cause the signal to display the first two or the last three of said indications respectively.

2,155,871
METAL RECEPTACLE
Louis M. Piker, Hamilton, Ohio, assignor to The Hamilton Metal Products Company, Hamilton, Ohio, a corporation of Ohio
Application April 29, 1935, Serial No. 18,836
12 Claims. (Cl. 220—62)

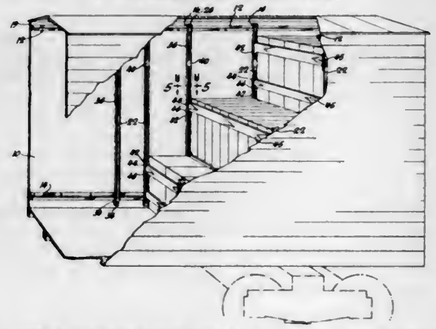
1. A metal receptacle of the class described comprising a base and walls extending therefrom at an angle thereto, said receptacle having rounded corners at the point where the walls are connected with the base, said walls overlapping one another at their adjacent ends to provide rounded corners at the points where the walls connect with one another and having at the points of jointure of said walls with said base an elongated

aperture, and a cover for said aperture comprising a flat portion adapted to rest on the base and a semi-circular skirt resting against the walls of



the receptacle and completing the walls and base surfaces with a rounded corner at their points of juncture.

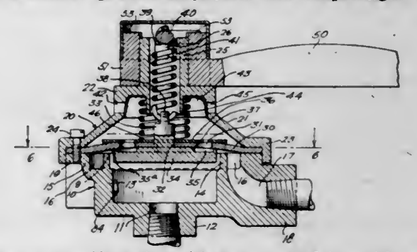
2,155,872
FREIGHT CAR LOADING APPARATUS
George M. Reifer, Rochester, and Paul S. Procissi and Otto Lundene, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1937, Serial No. 133,930
6 Claims. (Cl. 105—369)



1. The combination of a car having longitudinally extending guideways adjacent the top and bottom of opposed walls thereof, independent channel shaped stanchions clamped to said guideways in any desired position of adjustment, said stanchions being independently adjustable on said guideways, brace supports adjustably clamped in the channels and removable braces mounted on the supports.

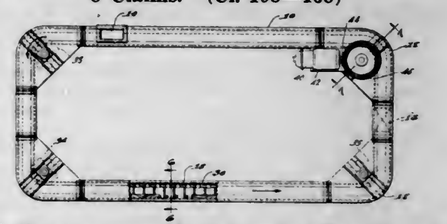
2,155,873
VALVE FOR BRAKE SYSTEMS
Robert E. Scott, New York, N. Y., assignor to Henry F. Boeger, West Los Angeles, Calif.
Application February 11, 1937, Serial No. 125,173
12 Claims. (Cl. 303—54)

1. A valve for fluid pressure braking systems comprising a casing having upper and lower interconnected members, a flexible diaphragm interposed and held between the adjacent edges of said casing members, a handle having an attaching collar mounted on the upper casing member, an inclined surface formed on the edge of said collar, a pin adapted to travel over said inclined surface, means for preventing rotation of said pin, a yielding connection between said pin and diaphragm, a circular head attached to the side of the diaphragm opposite from the spring, said head having an annular groove on the head surface adjacent the diaphragm, the lower casing member enclosing said head being provided with an annular groove adjacent the diaphragm with



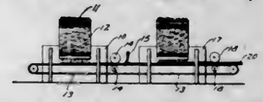
pipe connections to said groove and to said casing member external to the groove, the diaphragm normally closing the passage between the casing groove and casing interior and opening the passage between the head groove and casing interior at one limit of its flexure, and closing the passage between the head groove and casing interior and opening the passage between the casing groove and casing interior at the other limit of its movement.

2,155,874
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application May 9, 1936, Serial No. 78,863
8 Claims. (Cl. 198—168)



1. In a conveyer for conveying flowable solid material, in combination, a casing, and a conveyer element traversable therethrough, said conveyer element comprising a plurality of U-shaped open flights having corresponding vertical legs of unequal length, the longer legs being pivotally connected together substantially above the shorter legs.

2,155,875
METHOD OF PREPARING PADDING FOR INNER TRIM PANELS
Leo N. Stemper, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application March 25, 1936, Serial No. 70,767
3 Claims. (Cl. 154—2)



1. The method of forming padding material which includes generating a relatively heavy layer of non-woven fibrous material, applying a liquid adhesive coating to the upper surface of

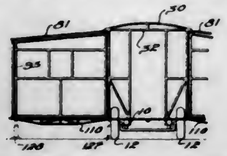
the web thus generated of such viscosity as to penetrate said surface, and applying a second layer of non-woven fibrous material to said adhesively coated first mentioned layer, said second layer being substantially thinner than said first mentioned layer to have the adhesive disposed substantially midway between the top and bottom surface of said pad.

2,155,876

PORTABLE BUILDING STRUCTURE

William B. Stout, Detroit, Mich., assignor, by mesne assignments, to Stout Engineering Laboratories, Inc., Dearborn, Mich., a corporation of Michigan

Application November 13, 1935, Serial No. 49,463
3 Claims. (Cl. 20—2)



1. In an expansible building structure, a main body portion, an expansible roof section hinged at one of its edges to said main body portion, an outer wall panel hinged at one of its edges to said roof section, a brace member extending from the floor of said main body section to said outer wall section, means for locking said brace member to the floor section of said main body portion and to said outer wall section, and a foldable floor panel supported by said brace member.

2,155,877

PROCESS FOR THE MANUFACTURE OF IMIDAZOLINES CONTAINING AT LEAST 10 CARBON ATOMS

Edmund Waldmann, Klosterneuburg, and August Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 3, 1936, Serial No. 94,120. In Austria April 4, 1936
11 Claims. (Cl. 260—309)

1. Process for the manufacture of 2-substituted imidazolines which comprises causing one mol of a product selected from the group consisting of the fatty acids and naphthenic acids to react with half a mol of a base which is substituted at two carbon atoms adjacent to each other and linked by a single bond by an amino group each, of which amino groups one contains two hydrogen atoms and the other at least one hydrogen atom, and with half a mol of a salt of such a base with a strong acid, the reaction being carried out at a high temperature.

2,155,878

MANUFACTURE OF IMIDAZOLINES CONTAINING AT LEAST 10 CARBON ATOMS

Edmund Waldmann, Klosterneuburg, and August Chwala, Vienna, Austria, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Original application August 3, 1936, Serial No. 94,120. Divided and this application November 13, 1937, Serial No. 174,400. In Austria April 4, 1936
8 Claims. (Cl. 260—309)

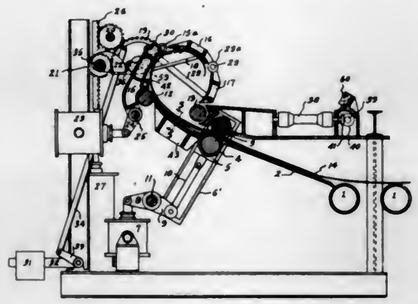
1. Process for the manufacture of 2-substituted imidazolines which comprises heating to a high temperature a salt formed from a strong acid and such a diamine mono-acylated with a fatty acid having at least 8 carbon atoms, in which the two amino groups are bound to two carbon atoms adjacent to each other and linked by a single bond, one of which amino groups contains two hydrogen atoms and the other at least one hydrogen atom.

2,155,879

SEMIARTICULATED FORMING HOOD FOR UP-TYPE COILERS

Donald H. Washburn and Edwin B. Hudson, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio

Application August 25, 1937, Serial No. 160,895
6 Claims. (Cl. 242—78)



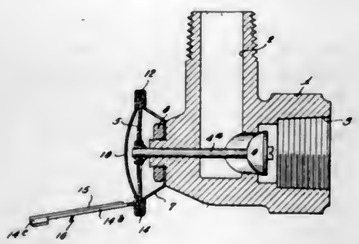
3. In a hot coiler, a frame, a guide segment pivotally mounted in said frame, other guide segments articulated together, a shaft, an arm on said shaft supporting said articulated guide segments, counterweight means for said articulated segments, a gear segment mounted on said shaft, a cam positioned to be actuated by said gear segment, a follower for said cam on said first mentioned guide segment, and means for continuously urging said first mentioned guide segment and follower against said cam, whereby as the coil grows and pushes said articulated segments outwardly, said first mentioned segment is also moved outwardly.

2,155,880

THERMOSTATICALLY CONTROLLED VALVE

Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island

Application July 20, 1937, Serial No. 154,538
7 Claims. (Cl. 158—117.1)



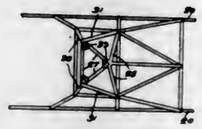
1. A device of the type described comprising a valve casing, a valve movable into engagement with a seat in the casing, an abruptly acting thermostat for moving the valve into and out of engagement with the seat, and a heat conductor to conduct heat from an adjoining flame to the thermostat, said conductor including a part of the type tending to move away from the flame as the heat of the flame increases and tending to move toward the flame as the heat of the flame decreases.

2,155,881

AIRCRAFT

Edward Burke Wilford, Merion, and Adolph Herzog, Penn Valley, Pa.; said Herzog assignor to said Wilford

Application April 18, 1935, Serial No. 16,998
Renewed September 17, 1938
1 Claim. (Cl. 244—18)



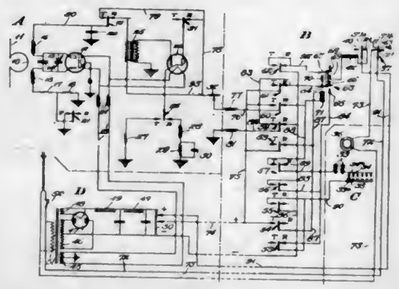
In rotary wing aircraft a rotor having a substantially vertical axis of rotation and capable of generating torsion and bending moments, a body structure simultaneously effecting both a cabin and a rotor mounting comprising substantially tubular pylon members comprising more than four triangular bracing assemblies each of which comprises three of said pylon members, and of which at least three of said pylon members of said multiplicity of bracing assemblies are braces in shear to preclude or absorb torsion and bending of the members of each assembly.

2,155,882

TELETYPE APPARATUS

James W. Adams, Fostoria, and Robert L. Cornwell, Risingsun, Ohio

Application April 10, 1937, Serial No. 136,218
3 Claims. (Cl. 250—8)



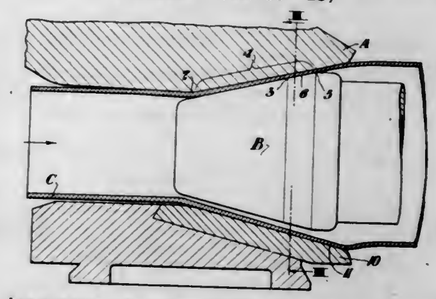
1. In a system of radio communication which comprises a teletype apparatus having transmitting contacts, selector magnets and an actuating motor, a transceiver for selectively receiving continuous wave impulses or for generating sustained oscillations, an energizing source for the transceiver, and an energizing circuit for the actuating motor; the improvement which comprises a control switch included in circuit with the motor, manually actuable means connecting the energizing source with the transceiver and the former with the selector magnets and the transmitting contacts of the teletype apparatus to selectively adapt the transceiver and teletype apparatus respectively to the transmitting and sending functions and alternatively to adapt the two to the receiving and printing functions respectively, and actuating means for the motor control switch to automatically move it to closed position, the said actuating means being energized from the energizing source for the transceiver, the manually actuable means controlling the switch actuating means in adapting the transceiver to either of its functions.

2,155,883

APPARATUS FOR EXPANDING METALLIC TUBULAR WORKPIECES

Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey

Application February 11, 1937, Serial No. 125,327
1 Claim. (Cl. 80—13)



Apparatus for expanding metallic tubular work-pieces comprising, in combination, at least two coacting power-actuated conical metal-working rolls, said metal-working rolls having divergent axes and being constructed and arranged to provide divergent metal-working surfaces of substantial length, a mandrel plug disposed intermediate said metal-working rolls, said mandrel plug having a truly frusto-conical working surface, a stationary guide disposed intermediate said metal-working rolls and above the line of pass defined thereby, and a stationary guide disposed intermediate said metal-working rolls and below said line of pass, the guiding surfaces of said stationary guides being closely disposed with respect to said metal-working rolls and coextensive with the length of the metal-working portion of the pass defined by the metal-working surfaces of said metal-working rolls and the truly frusto-conical working surface of said mandrel, said guiding surfaces being constructed and arranged to conform to segments of frusto-cones having substantially the same divergence as the metal-working surfaces of said metal-working rolls.

2,155,884

BOTTLE RACK

Rendell R. Barnes, Fort Worth, Tex.

Application April 21, 1938, Serial No. 203,403
3 Claims. (Cl. 211—74)

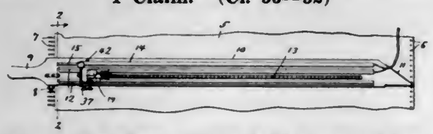
3. A bottle rack of the character set forth comprising an open front supporting member having sides and a bottom tray part extending forwardly beyond the sides thereof, a series of vertically disposed apertured partitions lying on a common vertical plane in close proximity to the rear wall of the supporting member and above the bottom tray part, a soft frictional strip secured to the rear wall of each partition with a certain area thereof in close proximity to the top of apertures

and a shelf connecting the topmost partition to the rear wall of the supporting member to close



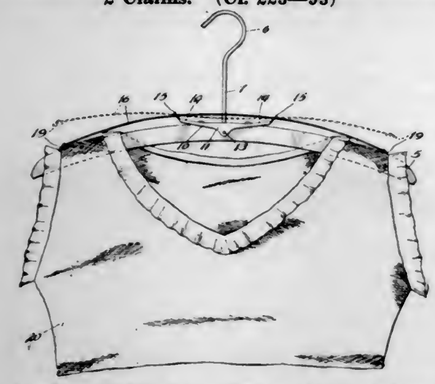
the space between the partitions and said rear wall.

2,155,885
GLASS CUTTER
William E. Baxter, Charleston, W. Va.
Application October 14, 1937, Serial No. 169,011
1 Claim. (Cl. 33—32)



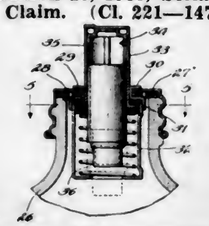
A rule for glass cutting tables comprising an elongated member provided with a traveling carriage thereon, a motor on the carriage, a glass cutter carried by the carriage, drive means between the motor on the carriage and the said elongated member, a switch on the carriage, a shaft extending from the switch, a roller carried by the shaft and engageable with the work, said roller being operative in riding onto the work and off of the work to close the switch and open the switch, said switch being interposed between the motor and the source of current.

2,155,886
HANGER FOR GARMENTS
Rudolph Bernhardt, Chicago, Ill.
Application July 16, 1937, Serial No. 153,919
2 Claims. (Cl. 223—93)



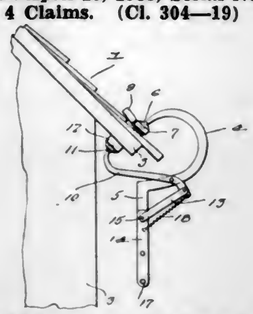
1. The combination with a garment hanger having a bar and supporting hook, of a spring extending longitudinally of the bar and having a hole for engagement with the hook, a bracket secured to the bar, and having upwardly extending bearings for the spring said bearings being spaced apart a sufficient distance so that pressure on the intermediate portion of the spring will raise the outer ends thereof for inserting and releasing garments and also being sufficiently close to the hook to leave the outer ends of the bar free for receiving the garments, the spring being sufficiently strong and bent so that the ends thereof are urged toward the bar with sufficient pressure to hold the garment on the bar.

2,155,887
DISPENSER
Rudolph Bernhardt, Chicago, Ill.
Application March 18, 1938, Serial No. 196,734
1 Claim. (Cl. 221—147)



1. In a dispenser, the combination of a metal cap having a central opening, a reinforcing washer around said opening, a sleeve engaging with said washer and cap and serving to fasten them together and to define a central bearing, a barrel extending inwardly from the sleeve and having a closed inner end with a central orifice for receiving liquid which passes into the same by gravity, a piston coacting with the barrel, a spring tending to hold the piston in normally projected position, a hollow piston rod extending out through the bearing and having a closed outer end with a discharge orifice, a closed plunger member secured in the rod and formed of inter-engaging shells, one of said shells having an end portion of less diameter than the body portion and adapted to engage with the hole for closing the same during the discharge operation while permitting the discharge movement of the piston in the barrel, said shell also having a passageway leading from the barrel to the discharge orifice.

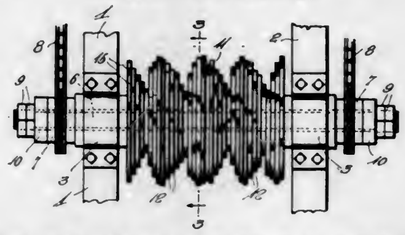
2,155,888
SCAFFOLD HANGER
Frederick Boomgarden, German Valley, Ill.
Application April 18, 1938, Serial No. 202,774
4 Claims. (Cl. 304—19)



1. A scaffold hanger comprising a hook including a depending shank, a lever pivotally mounted,

at an intermediate point, on said hook, a bar slidably mounted on the shank, a link operatively connecting the lever to the bar for actuation thereby, and coacting jaws on one end of the hook and the lever for clamping the eaves of roofs therebetween.

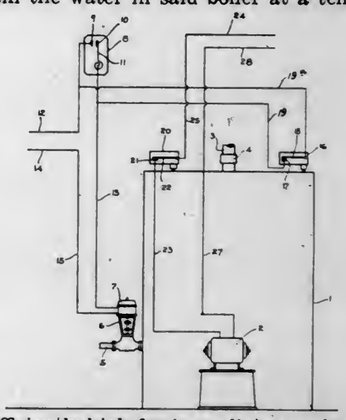
2,155,889
ROAD SURFACING DEVICE
Earl J. Branson, Pasadena, Calif.
Application November 9, 1937, Serial No. 173,688
1 Claim. (Cl. 262—19)



In a road surfacing cutter, spaced supports having bearing openings therein, spool shaped bushings journaled in said openings, said bushings being provided with angular bores and having their flanges engaging opposite sides of the bearings, a rotary shaft of angular form conforming to said bores and having its end portions extending through and beyond the bearings, a series of flat cutting blades mounted side by side in abutting relationship on the shaft between the bushings, each blade having end portions provided with fluke like cutters projecting in opposite directions at diametrically opposite sides of the shaft, said blades being formed with angular openings set at different relative angles whereby they are mounted at different angles on the shaft so that their end portions are disposed spirally about the shaft from one end to the other end of the series, the outermost blades of the series bearing against the inner flanges of the bushings, sprocket wheels mounted on the ends of the shaft beyond the bushings, and retaining means on the ends of the shaft holding said sprocket wheels confined between the same and the outer flanges of the bushings.

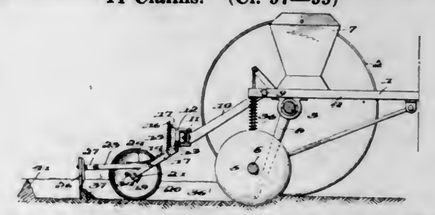
2,155,890
HEATING SYSTEM
Richard L. Campbell, Birmingham, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 15, 1936, Serial No. 59,176
1 Claim. (Cl. 236—9)

In a hot water heating system, a hot water boiler, a mechanical fuel stoker for heating the water in said boiler, a feed line and a return line connected to said boiler for circulation of the water through a hot water radiating system for heating a closed space, a valve closed against flow of water by natural convection through the radiating system, electrically operated pump means operable to circulate the water through said boiler and to open said valve and discharge the water to the radiating system, thermostatic means sensitive to the temperature of the closed space and operable to control said pump means irrespective of the temperature of the boiler water, temperature means sensitive to the temperature of the water in said boiler and operable upon a predetermined high temperature of the water in said boiler to start said pump means and upon a predetermined low temperature to stop said pump means independently of said thermostatic means, and means operable to maintain the water in said boiler at a tempera-



ture sufficiently high for immediate supply to the radiating system upon operation of said thermostatic means to start said pump means.

2,155,891
FURROW DAMMER
Thomas D. Campbell, Hardin, Mont.
Application October 19, 1937, Serial No. 169,879
14 Claims. (Cl. 97—55)

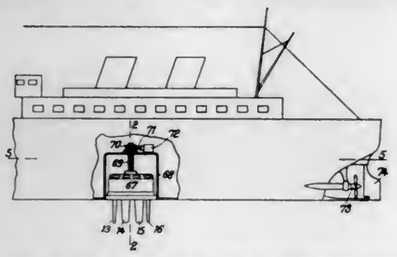


1. In a deep furrow drill of the type wherein the drill is provided with a means for making deep furrows, and a grain hopper with a grain spout attached thereto and having its outlet adjacent said means, the combination with such drill of the following: a shovel attached thereto in the rear of said means with means for periodically raising and releasing the same as the drill moves over the ground, said last named means including a ground engaging member located between said furrow making means and said shovel, said member having means mounted thereon for periodically engaging said shovel.

2,155,892
STABILIZING DEVICE
Carl von den Steinen, Hamburg-Bergedorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application January 11, 1938, Serial No. 184,492
In Germany January 8, 1937
5 Claims. (Cl. 114—122)

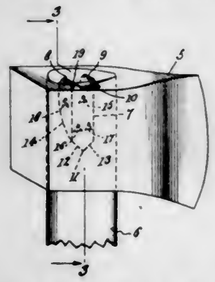
1. The combination with a ship's body of a propeller having a plurality of blades and a rotatable support for said blades on which said blades are adjustably mounted parallel with the axis of rotation of said support, said propeller being mounted on said body substantially below the center of gravity of the ship; power means for driving said propeller; and means responsive to lateral inclinations of the ship and connected

to adjust said blades, whereby upon a lateral inclination the direction of the propelling force



exerted by the propeller is varied and an erecting torque is exerted on the ship.

2,155,893
AXE HANDLE FASTENING
Harry E. Fulton, New York, N. Y.
Application October 9, 1937, Serial No. 168,272
2 Claims. (Cl. 306—33)

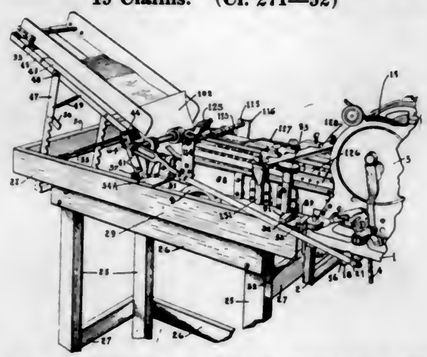


1. An improved fastening of the character described comprising a thin flat wall having a pointed lower edge, wings extending angularly from the side edges of said wall, said wall and wings having prongs projecting therefrom in an upward direction, said wings having curved lower edges, and a flange on the upper portion of said wall extending angularly therefrom in a direction substantially opposite to said wings.

2,155,894
METHOD OF PRODUCING COLORED PICTURES AND SOUND FILMS
Béla Gáspár, Brussels, Belgium
No Drawing. Application April 5, 1938, Serial No. 200,218. In Germany June 15, 1933
3 Claims. (Cl. 95—2)

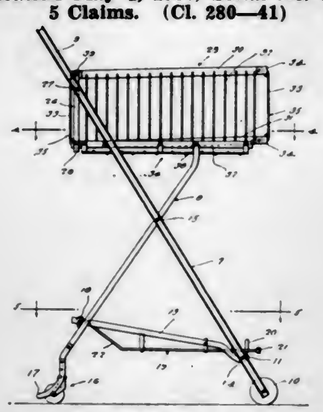
1. A method of producing combined colored picture and sound films including a picture portion and a sound track wherein the sound image comprises a metallic deposit, which comprises forming a metallic image in the picture portion of said film of normal density and forming a metallic sound image in the sound track of greater density than that required in the finished film for adequate sound reproduction, and subsequently treating the whole film to convert the metallic image in said picture portion to a colored image by means of an agent which decreases the density of said metallic images, said excess density of said metallic sound image being so regulated as to compensate for the decrease in density of said metallic sound image during treatment of said film to convert the metallic image in the picture portion to a color image and to thereby form a normal density metallic sound image.

2,155,895
AUTOMATIC FEEDING DEVICE
George A. Gibson, Jr., New York, N. Y.
Application June 30, 1934, Serial No. 733,257
19 Claims. (Cl. 271—52)



1. In mechanism for feeding sheets to a duplicating or other machine, the combination with means for feeding front portions of the sheets successively from the top of an inclined supply thereof, of a sheet handling unit comprising pull-out means for drawing the sheets forwardly in succession past the feeding means from said supply, conveying means for advancing each forwardly drawn sheet, means for guiding the sheets on the conveying means, and means for retaining the sheets in engagement with the conveying and guiding means; means for adjusting the sheet handling unit laterally of the feeding means, and means for driving said pull-out and conveying means continuously and providing for adjustment of said unit as aforesaid.

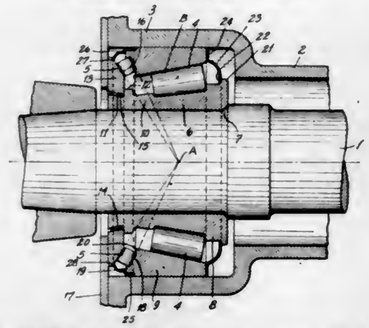
2,155,896
COMBINATION BASKET AND CARRIAGE
Sylvan N. Goldman, Oklahoma City, Okla.
Application May 4, 1937, Serial No. 140,721
5 Claims. (Cl. 280—41)



1. A collapsible and mobile carriage for use in self-service stores comprising a pair of companion intersecting pivotally connected leg frames, collapsible basket supporting means mounted on the upper end portions of said frames, rollers attached to the lower end portions of said frames, a pair of duplicate links, said links being pivotally attached at corresponding ends to the lower end portions of the leg members of one of the frames at points above the adjacent rollers, a horizontal cross-piece between the leg members

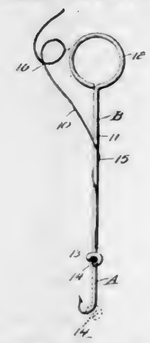
of the remaining frame adjacent the lower ends of said leg members, said links resting on and projecting beyond said cross-piece, a transverse connecting member between the free ends of said links, and a basket accommodation rack disposed between the links and wholly supported at one end by said transverse connecting member.

2,155,897
ROLLER BEARING
Albert H. Goldsworthy, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application August 28, 1936, Serial No. 98,275
3 Claims. (Cl. 308—214)



1. A taper roller bearing comprising an inner bearing member having a conical raceway and a sleeve portion projecting beyond the small end of said raceway, said sleeve having a radial rib spaced from the end thereof, an outer bearing member having a conical raceway, conical rollers between said inner and outer bearing members, an annular plate secured on said sleeve against said rib, said plate having a conical raceway portion facing the end of said outer bearing member, the end face of said outer bearing member having a conical raceway portion and a series of conical rollers between said two last mentioned raceway portions, the axes of said rollers being disposed obliquely with respect to the main axis of the bearing whereby said rollers carry radial load and thrust load along the main axis of the bearing.

2,155,898
FISHHOOK EXTRACTOR
Charles R. Harkins, Flint, Mich.
Application March 15, 1937, Serial No. 131,059
1 Claim. (Cl. 43—29)



A fish hook extractor comprising a straight shank forming a manually freely operable handle made from a relatively stiff piece of wire, and a corkscrew-like open eye bent from one end of said shank at an angle thereto for presenting a spread single coil extending eccentrically partially about the axis of said shank, the free end of said coil being curved outwardly away from the same for effecting an uninterrupted spiral way through said coil.

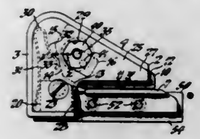
2,155,899
SULPHATED ALIPHATIC ETHERS
Benjamin R. Harris, Chicago, Ill., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Original application October 31, 1932, Serial No. 640,501. Divided and this application August 7, 1935, Serial No. 35,043
28 Claims. (Cl. 252—1)

19. A stable chemical substance represented by the general formula

$$R{-}O{-}X\left[{-}O{-}\overset{\overset{O}{\|}}{\underset{\underset{O}{\|}}{S}}{-}O{-}\right]_w Y_v$$

wherein R is an alkyl group, X represents the residue of an aliphatic polyhydroxy substance of a class consisting of glycerol, polyglycerols, glycols, polyglycols, hydroxycarboxylic acids, sugars, sugar alcohols, and acid derivatives of sugars, which links together the alkyl radical with the sulphate group, Y is a cation and w and v are small whole numbers, at least one.

2,155,900
SLUB CATCHER OR YARN CLEANER
Harold Wood Hitchcock, Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application May 10, 1937, Serial No. 141,795
15 Claims. (Cl. 28—71)

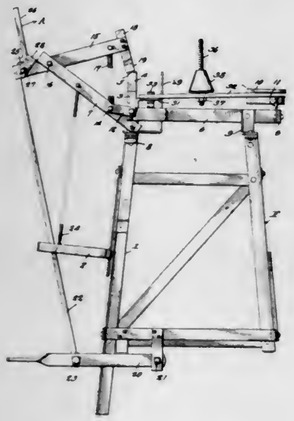


1. A slub-catcher or yarn-cleaner comprising relatively movable members arranged to form an opening through which a strand of yarn or the like is adapted to feed, manually-operable means for relatively adjusting said members to widen the opening therebetween, means operative upon release of the manually-operable means for relatively adjusting said members to close them against a gauge inserted in the opening therebetween, and manually-operable means for securing said members against relative movement toward or away from each other.

2,155,901
SAW SET
James A. Johnson, Lexington, N. C., assignor of one-half to Benjamin F. Green, Sr., Lexington, N. C.
Application June 27, 1938, Serial No. 216,149
4 Claims. (Cl. 76—62)

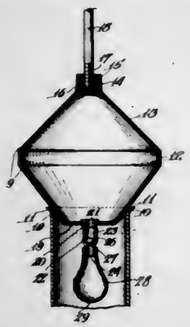
1. In a device of the class described, a frame, an anvil on the frame, a lever fulcrumed intermediate its ends on the frame, a hammer carried by one end of the lever and cooperating with the anvil, a keeper on the opposite end of the lever. an operating member having a shoulder releasably

engaged with the keeper, and a throw-off on the lever and coacting with the operating member to



disengage the shoulder from the keeper when the lever is actuated by the operating member.

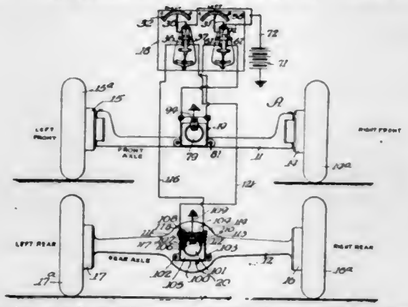
2,155,902
TANK BALL VALVE
Samuel M. Kass, Philadelphia, Pa.
Application July 3, 1937, Serial No. 151,804
5 Claims. (Cl. 4—56)



1. A hollow resilient rubber tank ball having surfaces adapted to cooperate with a valve seat, means for inflating the tank ball and a check valve for controlling air in the tank ball interposed between the inflating means and the interior of the tank ball, whereby the pressure of air on the interior of the tank ball serves to maintain its contour against the valve seat.

2,155,903
APPARATUS FOR INDICATING THE AMOUNT OF PRESSURE IN AUTOMOBILE TIRES
Frank G. Leavenworth, Oak Park, Ill., assignor to William Hartman, Chicago, Ill., trustee
Application February 9, 1935, Serial No. 5,761
11 Claims. (Cl. 177—351)

1. The combination with a vehicle having wheels with pneumatic tires thereon, of a tire indicator mounted on the vehicle and provided with means for indicating the various degrees of deflation of the tires, and means for actuating said indicating means including electric circuits with compressible-type, variable resistances



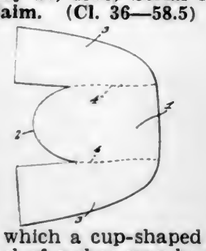
therein, and devices controlled by tilting due to tire deflation for compressing said resistances.

2,155,904
ILLUMINATED SIGN
Eugene Lowinger, Long Island City, N. Y., assignor, by mesne assignments, to Duolite Letter Corporation, a corporation of New Jersey
Application May 4, 1938, Serial No. 205,887
4 Claims. (Cl. 40—140)



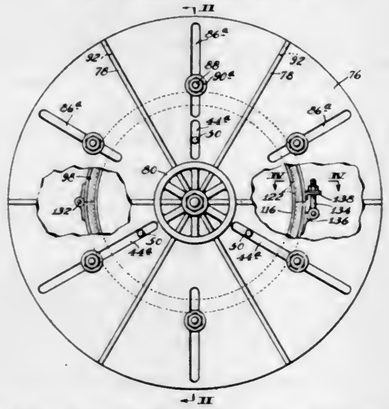
4. In a device of the class described, a sign character adapted to be supported in front of an illuminated pane of glass and having its front and rear faces open and through which the light from said illuminated pane of glass is adapted to pass, and means for decreasing the size of the front opening in said character to decrease the space through which said light may pass to enhance the appearance of said character, comprising grate members extendable along the length of said opening, and translucent support members extended between the sides of said opening and upon which said grate members are mounted.

2,155,905
INSERT FOR SHOE HEELS
Hugo E. Protz, La Crosse, Wis.
Application July 27, 1936, Serial No. 92,884
1 Claim. (Cl. 36—58.5)



A blank from which a cup-shaped body of an insert for the heel of a shoe may be formed and comprising a single piece of material including a flat base to provide the bottom for said body, said base having a straight front end and a rounded rear end, wings of equal length formed on the side edges of the base and projecting rearwardly in diverging relation beyond said rounded rear end, the front ends of the wings terminating flush with the front end of the base and the outer side edges of the wings being curved from their juncture with said straight front end, the rear ends of the rearwardly projecting portions being straight and slightly forwardly inclined from the inner corners thereof, the inner side edges of the rearwardly projecting portions being straight and outwardly inclined from their point of connection with the base, and said wings being adapted to provide the side and rear walls for the cup like body by being bent at their juncture with the base for disposal perpendicular thereto and by sewing the rear ends of the wings to each other and the inner side edges thereof to the curved rear end of the base.

2,155,906
VULCANIZER
Edward D. Rihn, Ford City, and Edward D. Odenbaugh, Jr., Wilkinsburg, Pa., assignors, by mesne assignments, to Clark E. Gross
Application January 4, 1936, Serial No. 57,578
12 Claims. (Cl. 18—18)



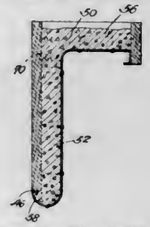
1. A vulcanizer for retreading pneumatic tires comprising radially adjustable clamping means for supporting the tire through its rim, laterally adjustable side plates having associated water jackets for contacting with and supporting the tire sides, a mold surrounding the tread portion of the tire and releasably secured to the side plates, side rings associated with the mold substantially at the shoulders of the tread to be applied and extending approximately into contact with the tire carcass, means for mounting the side rings in any of a plurality of lateral positions relative to the mold whereby a plurality of tire sizes can be handled by one mold assembly, and means for moving the vulcanizer to and supporting it in horizontal or vertical position.

2,155,907
COLOR-STABLE PHENOLIC RESIN AND PROCESS OF MAKING SAME AND VARNISH CONTAINING SAME
John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application November 25, 1935, Serial No. 51,475. Renewed March 1, 1937
15 Claims. (Cl. 260—19)

1. A substantially film- and drier-color-stable varnish composition comprising a heat-treated mixture of a drying oil and an oxalic acid-catalyzed diphenylol-substituted hydrocarbon-acetaldehyde resin; said hydrocarbon radical containing 4 or more carbon atoms and said resin having the property of heat-bleaching from a substantially dark-colored resin to a substantially light-colored resin when heated above 180° C.

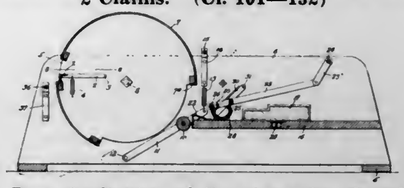
2,155,908
CONCRETE STEP MOLD
Leslie Samonds, Chicago, Ill.
Application August 18, 1937, Serial No. 159,755
2 Claims. (Cl. 25—118)

1. A concrete step mold comprising a first part including spaced walls and end walls connecting the spaced walls, a metallic second part co-extensive in length with the first part, means for



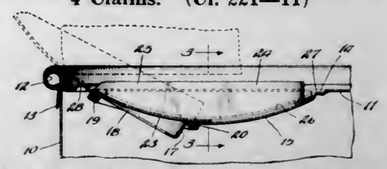
connecting the two parts, said second part having an edge bent back upon itself to have abutting relation with one edge of one of said walls, but offset from the inner face of the said wall.

2,155,909
DUPLICATOR
Cyrus D. Senger, South Whitley, Ind.
Application February 14, 1938, Serial No. 190,504
2 Claims. (Cl. 101—132)



1. In a duplicator of the character described, a duplicating cylinder, and stripper rods fixedly mounted at diametrically opposite sides of the cylinder for use in preventing curling of sheets as said sheets are drawn out of their impression contact with the duplicating cylinder.

2,155,910
CONTAINER SPOUT
Victor H. Severy, La Grange, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1937, Serial No. 177,769
4 Claims. (Cl. 221—11)

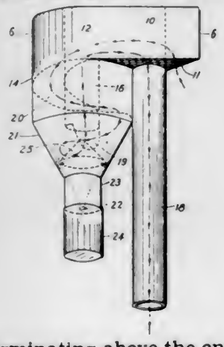


1. A pail end having a depression therein with a curved bottom, a nozzle arranged adjacent to the outer end of the depression, a gasket secured in the cover around the nozzle, a pouring spout having a curved bottom engaging with the bottom of the depression and normally closing the nozzle and engaging with the gasket, said spout being adapted to be moved outwardly to pouring position and having an opening which registers with the nozzle when the spout is in pouring position.

2,155,911
AIR CLEANER
William A. Shaw, Denver, Colo.
Application November 23, 1937, Serial No. 176,096
4 Claims. (Cl. 183—81)

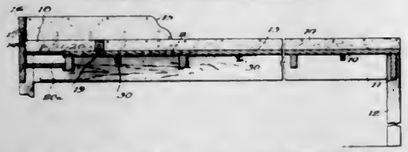
4. An air cleaner, comprising an air receiv-

ing receptacle having an air inlet opening in its underside, a cylindrical vertically disposed chamber having an air inlet leading thereinto tangentially from said air receptacle, a downwardly tapering hollow cone extending from and forming a continuation of the lower part of said cylinder, said cone having its apex open for the escape of dust, a pipe disposed co-axially of and within said cylinder and having its lower end extending into said cone and tapering at one side to a downwardly extending lip, means within the cylinder forming a downwardly extending spiral path between the wall of the cylinder and said pipe, said



spiral path terminating above the open lower end of the pipe and adjacent the side of the pipe from which the lip extends, a dust collecting receptacle secured to the apex of said cone, a cone supported within the lower part of the first cone and having its periphery in spaced relation with the wall of the latter and having its apex directed upwardly into the open lower end of said pipe, said lip extending downwardly beyond the apex of the second mentioned cone, and an air conducting pipe having communication at one end with the upper end of the first mentioned pipe and adapted to have its other end connected with the air intake of a carburetor.

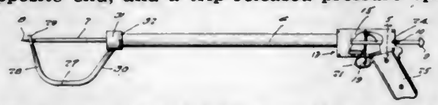
2,155,912
GAME APPARATUS
Gustave A. Swenson, Champaign, Ill.
Application June 9, 1938, Serial No. 212,807
2 Claims. (Cl. 273—126)



1. In a game table, the combination of an elongated base forming a playing surface, a sub-base projecting beyond one end of said base, there being depressions extending along the side edges of the base at said end of the base, vertical side walls at each side and said end of said base, removable filler members for said depressions and a removable extension forming a continuation of the playing surface of the base and overlying said sub-base.

2,155,913
FISH SPEARING AND LANDING DEVICE
Paul M. Thompson, Luverne, and John R. Thompson, Burt, Iowa
Application February 18, 1938, Serial No. 191,312
5 Claims. (Cl. 43—6)

1. A fish grappling and spearing implement comprising a reach member having handle means at one end and a grapple fixed securely at the opposite end, and a trip released pressure oper-



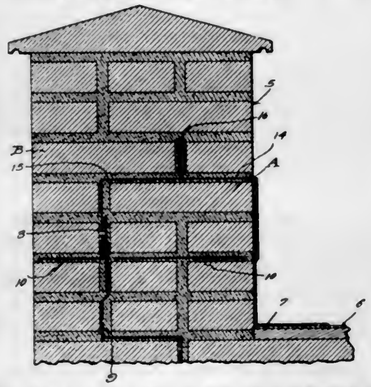
ated plunger rod slidably mounted in said reach member and handle means and having a pointed spear at its free end adapted to bridge the open side of the grapple as described.

2,155,914
PROCESS FOR THE PREPARATION OF A BLEACHING AND STERILIZING AGENT
Gerrit van der Lee, Deventer, Netherlands, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Lande, Deventer, Netherlands, a company of the Netherlands
No Drawing. Application February 23, 1937, Serial No. 127,296. In the Netherlands February 28, 1936
11 Claims. (Cl. 23—190)

1. Process of preparing a bleaching and sterilizing agent which comprises reacting ammonia with preformed nitrogen trichloride produced out of contact with said ammonia.

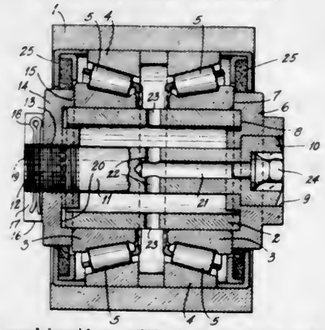
11. Process for producing a bleaching and sterilizing agent which comprises subjecting an aqueous solution containing ammonium and chloride ions to electrolysis to form nitrogen trichloride, collecting such nitrogen trichloride as a product of the said electrolysis and reacting it with ammonia to form a chlorine substitution product of ammonia.

2,155,915
WATERPROOFING CONSTRUCTION FOR PARAPET WALLS
Edward J. Walsh, Peekskill, N. Y.
Application November 9, 1938, Serial No. 239,705
4 Claims. (Cl. 72—127)



1. In a parapet wall construction having a roof construction tied therein and provided with a flashing engaging the inner face of said wall construction, waterproofing sheets arranged in mortar joints of the wall construction and having waterproof connections with each other and one of said sheets extending outwardly of the wall construction and overlapping the flashing, anchoring sheets secured to opposite faces of certain of said waterproofing sheets and embedded in mortar joints of the wall construction, and troughs integral with certain of said anchoring sheets and extending to the outer face of the wall construction.

2,155,916
CONVEYER ROLLER
Samson M. Weckstein, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 17, 1938, Serial No. 190,906
5 Claims. (Cl. 308—208)



1. In combination with a conveyer roll or the like, a hollow shaft in said roll, taper roller bearings between said shaft and said roll, the ends of said shaft projecting beyond the ends of the inner bearing members of said bearings, end plates, each having an annular groove receiving one end of said hollow shaft and a portion engaging the end of an inner bearing member and means for drawing said end plates towards each other for adjusting and positioning the bearings.

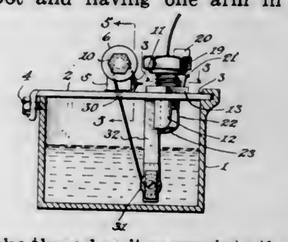
2,155,917
HAIR PARTING DEVICE
Winnie D. Williamson, West Union, W. Va.
Application December 8, 1937, Serial No. 178,804
8 Claims. (Cl. 132—1)



1. A device of the class described comprising a hollow body portion having an interior chamber and provided at one end thereof with a finger-receiving opening communicating with said chamber and its other end with spaced hair-engaging tines.

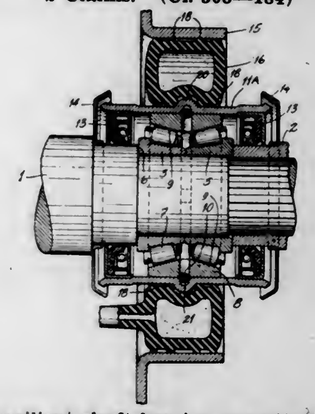
2,155,918
WAX STRIPPER AND TENSION DEVICE
Grover W. Wood, Greenville, S. C., assignor of one-fourth to Leon Campell and one-fourth to M. M. Campell, both of Greenville, S. C.
Application December 2, 1937, Serial No. 177,833
8 Claims. (Cl. 91—32)

8. In a waxing mechanism for sewing machines including a wax pot, a tubular member through which the thread leaves the pot, and L-shaped member of resilient material associated with the pot and having one arm in engage-



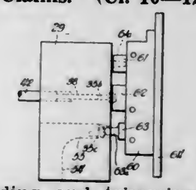
ment with the thread as it passes into the tubular member.

2,155,919
SHAFT BEARING MOUNTING
Ernest Wooler and Robert M. Riblet, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application August 4, 1937, Serial No. 157,247
2 Claims. (Cl. 308—184)



1. A resilient shaft bearing mounting comprising a shaft, a double row roller bearing therefor having an outer bearing cup, said cup having a central annular groove in its outer periphery, a housing enclosing said cup, said housing having a hollow circumferential rib overlying said groove in said cup, a ring disposed in said groove and the hollow of said rib to hold said cup in said housing and a resilient support for said housing extending over said hollow rib.

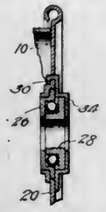
2,155,920
HEADING AND TRIMMING MACHINE
Arthur J. Alberts, Chicago, Ill.
Original application May 10, 1937, Serial No. 141,641, now Patent No. 2,124,022, dated July 19, 1938. Divided and this application May 11, 1938, Serial No. 207,233
7 Claims. (Cl. 10—12)



1. In a heading and trimming machine for producing headed bolt blanks, a die block, a body die and a trimming die carried by said block, a hammer block, a coning punch and a heading punch and a trimming punch carried by

said hammer block, and means effective for causing relative movement of said blocks one toward and away from the other and for alternately aligning said coning punch and said heading punch and said heading punch and said trimming punch with said body die and said trimming die, respectively, in timed relation to the relative movement of said blocks one toward and away from the other.

2,155,921
VEHICLE WHEEL
Bert J. Anderson, Hammond, Ind.
Application January 15, 1936, Serial No. 59,303
4 Claims. (Cl. 301—105)



1. In a wheel, a hub barrel formed of sheet metal and having a plurality of tongues formed on each end thereof, an apertured spoke clip secured to each end of said hub barrel, each of said spoke clips having two concentric rows of tongue receiving slots therein, a bearing washer and said hub barrel being secured to the inner and outer rows of slots in the hub clip respectively, the peripherial edge of each spoke clip being curled into tubular formation and having a plurality of spokes secured therein, an apertured washer having a plurality of tongues formed at its peripheral edge secured to each spoke clip, and an anti-friction bearing assembly positioned between the opposed surfaces of each spoke clip and said apertured washers.

2,155,922
METHOD OF PREPARING ORGANIC MERCURY COMPOUNDS
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application September 14, 1936, Serial No. 100,678
16 Claims. (Cl. 260—242)

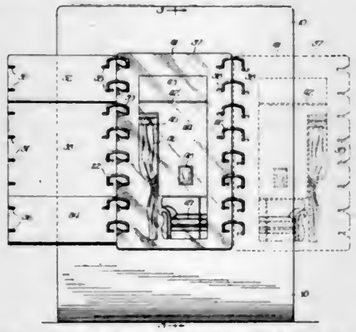
1. The method of preparing an organic mercury compound wherein an aromatic mercury group is linked with a compound containing an =NH group by replacement of the hydrogen of the =NH group, which comprises reacting in an inert liquid medium a compound containing an =NH group in which both bonds thereof are joined to a bivalent residue, with a soluble aromatic mercury salt of a soluble acid in which mercury is directly connected by one of its valences to the acid radical in the salt and by its other valence to a carbon of an aromatic structure in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon or mercury.

2,155,923
METHOD OF BLEACHING NUT SHELLS
James A. Armstrong, Monrovia, Calif.
No Drawing. Application December 21, 1938, Serial No. 247,047
10 Claims. (Cl. 99—231)

1. The process of cleaning and bleaching nut shells, which comprises: subjecting such shells to contact with a dilute aqueous solution of a non-toxic alkaline reagent; subsequently subjecting such shells to contact with an aqueous solution of hydrogen peroxide, and causing the contacted shells to dry.

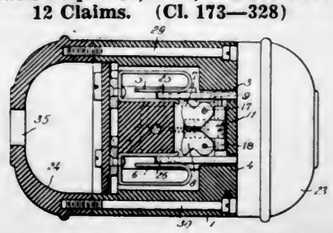
6. The process of cleaning and bleaching nut shells, which comprises: subjecting such shells to contact with a dilute solution of an alkali metal hypochlorite, subsequently subjecting such shells to contact with an aqueous solution of hydrogen peroxide, draining said peroxide solution from said shells, and causing said shells to dry.

2,155,924
COLOR SCHEME EXHIBITOR
Arthur M. Barrett, Winnetka, Archibald L. Macnair, Evanston, and Elmer W. Ericson, Chicago, Ill., assignors to The Barrett Bindery Co., Chicago, Ill., a corporation of Illinois
Application June 4, 1936, Serial No. 83,464
9 Claims. (Cl. 35—53)



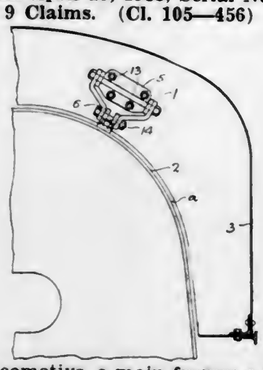
1. In a color scheme exhibitor of the type having an upright support, laterally spaced rows of loose leaf binder rings mounted on said support, and a plurality of superposed cards having corresponding surfaces thereof differently colored hinged at one edge on the rings of one row and each having on its opposite edge a shoulder adapted to rest on a ring of the other row when said cards are folded to lie between said rows.

2,155,925
ELECTRIC RECEPTACLE
Glenn E. Blinn, Leonia, N. J.
Application April 30, 1938, Serial No. 205,160
12 Claims. (Cl. 173—328)



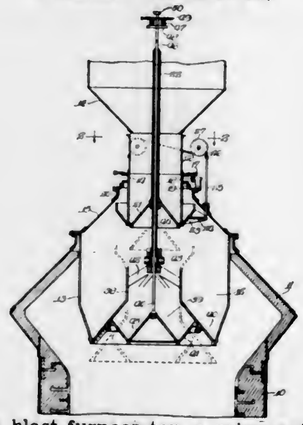
3. An electric receptacle which comprises a housing, electrically charged terminals secured within said housing, said housing having holes in a wall thereof in alignment with said electrically charged terminals through which the prongs of a connection plug may be inserted to engage said electrically charged terminals, and means in the housing operable to shield said terminals from contact through the openings, said means including a movable door interposed between each terminal and the hole leading thereto and normally closing the hole, a locking device for each door operable to hold the door in closed position, and trips in the housing, each trip having a portion exposed in one of the holes for engagement and operation by a connection prong when inserted through said opening, each trip being operable to render inoperative the locking device for a door closing an opening different from that in which said trip is exposed.

2,155,926
LOCOMOTIVE
James G. Blunt, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application April 18, 1938, Serial No. 202,634
9 Claims. (Cl. 105—456)



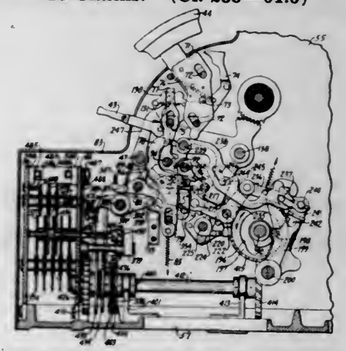
1. In a locomotive, a main frame; a boiler supported on said main frame for relative movement of its rear portion in a longitudinal direction thereto; a cab adjacent said boiler supported by said main frame; and means connected to said boiler and to said cab at their upper portions connecting them together, said means being flexible in a direction longitudinally of said locomotive and substantially nonflexible in a direction transversely of said locomotive whereby said boiler and said cab at said upper portions are free for relative movement in a direction longitudinally of said locomotive but said cab is held substantially rigid against movement relative to said boiler in a direction transversely of said locomotive.

2,155,927
APPARATUS FOR CHARGING FURNACES
Arthur J. Boynton, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application May 23, 1936, Serial No. 81,425
2 Claims. (Cl. 214—36)



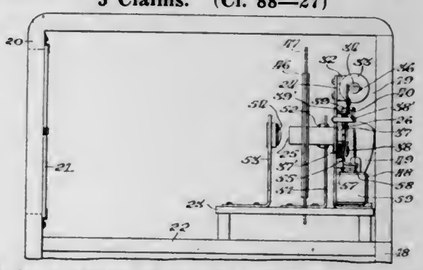
1. In a blast furnace top, a primary hopper, a bell for closing said hopper, and inner and outer secondary hoppers including a fixed outer wall for the outer secondary hopper, a movable intermediate member comprising the inner wall and bottom closure for the outer secondary hopper and the outer wall of the inner secondary hopper, a bell for closing the inner secondary hopper, the primary hopper bell normally discharging material into the outer secondary hopper, and movable means adapted to selectively deflect material discharged from the primary hopper bell into the inner secondary hopper.

2,155,928
CASH REGISTER
Samuel Brand, Binghamton, N. Y., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 12, 1935, Serial No. 26,184
10 Claims. (Cl. 235—61.6)



1. In a machine of the class described having a totalizer and adapted to pick up data from perforated record material and enter these data into the totalizer, the combination of a plurality of elements; means to resiliently move the elements to effective positions under control of the perforations in the record material; means controlled by the elements to enter the data into the totalizer; means to condition the machine for total taking operations; means operated by the conditioning means; and means controlled by the last-named means to retain the elements in ineffective positions in total taking operations.

2,155,929
SCORE REGISTERING DEVICE
Charles J. Breitenstein and Alfred F. Chouinard, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application August 21, 1936, Serial No. 97,118
5 Claims. (Cl. 88—27)



1. In a device of the class described positionable as a compact projector unit in an exhibitor structure and comprising a horizontal support,

a vertical bracket mounted on the support and carrying a horizontal shaft, a ratchet wheel secured to the shaft adjacent the bracket, said shaft projecting through and beyond the other side of the bracket, a light source, a disk carried on said projected end of the shaft and having a marginal edge through which a beam of light may be projected, lenses carried on the support respectively on opposite sides of the disk and in alinement with each other and with said marginal edge thereof, means on said support for securing the source of light in optical alinement with the marginal edge of the disc and the lenses, an electromagnetic device carried on the bracket on the ratchet side thereof, a lever pivotally carried on the bracket, said lever including a pawl to operate the ratchet wheel to turn the shaft and disk, means for operating the lever from the electromagnetic device, stop means between the bracket and wheel, a spring pulling the wheel to the stop means to determine a starting position from which the disk and wheel is to be turned, means to prevent retrograde movement of the disk and wheel, and means to release the latter means to permit the spring to pull the disk and wheel back to the starting position.

2,155,930

PORTABLE MELTING LADLE

Ralph W. Chapman, Old Town, Maine, assignor to T. M. Chapman's Sons Company, Old Town, Maine, a corporation of Maine

Application April 1, 1938, Serial No. 199,427
6 Claims. (Cl. 219—44)



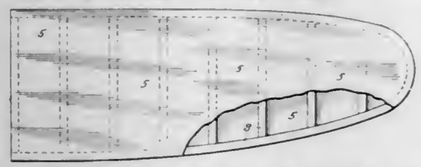
1. A portable melting ladle having a bowl portion, a handle member, an electric heating unit for melting metal in the bowl, and a plug receptacle mounted on the exterior of the handle and situated adjacent the bowl and to the terminals of which the heating unit is electrically connected, said plug receptacle adapted to detachably receive a plug terminal of an electric connection which is separate from the handle.

2,155,931

METHOD OF APPLYING AN AIRCRAFT COVERING

Alfred S. Daneman, Dayton, Ohio

Application November 4, 1938, Serial No. 238,912
9 Claims. (Cl. 244—133)



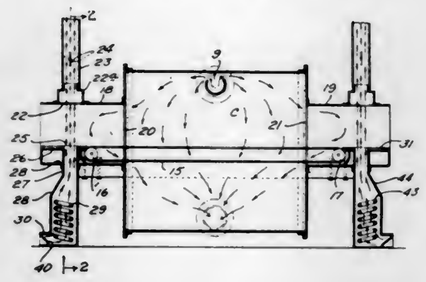
1. The method of covering an aircraft frame which consists in cutting from a sheet of laminated material comprising a thin film and a carrier sheet, a portion of such film corresponding in shape to the area to be covered, removing the film from the carrier sheet, the film having a cellulosic base capable of being rendered adhesive by the application of a solvent thereto, applying a solvent to portions of the film and then pressing such portions into engagement with the frame.

2,155,932

PROCESS OF DEPOSITION

Howard C. Davis, Elizabeth, N. J.

Application April 26, 1938, Serial No. 204,481
7 Claims. (Cl. 41—42)



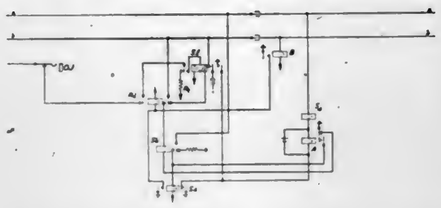
1. The process for effecting a uniform deposition of a liquid substance over the surface of an article which process comprises utilizing a carrier substance that is in a gaseous state under normal atmospheric conditions for conveying the substance to be deposited on the article, the gaseous carrier being substantially chemically inert with respect to the liquid substance and the article and which process includes the steps of fixing the temperature and relative humidity of the gaseous carrier, dividing the liquid substance into a finely divided form, maintaining the temperature of the liquid substance below the boiling point thereof, maintaining the temperature of the carrier gas substantially above the temperature of the article, and circulating the gaseous carrier to successively bring it into contact with the liquid in finely divided form and then into contact with all surfaces of the article, whereby the liquid is converted into a gaseous state, mixed with and carried by the gaseous carrier to the article whereon it is reconverted to the liquid state and deposited on the surface of the article on coming in contact therewith.

2,155,933

CENTRALIZED INFORMATION SERVICE

Charles de Vriendt and Henri E. A. Borzer, Boulogne-Billancourt, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 12, 1937, Serial No. 125,413
In France April 25, 1936
13 Claims. (Cl. 179—27)



1. In a telephone system, a plurality of operators' positions, impulse generating means at each of said positions, means for extending a connection to one of said positions and means for transferring said connection to another one of said operators' positions by means of a single operation of the impulse generating means at said first position.

2,155,934

MANUFACTURE OF ARTIFICIAL SILK

Otto Eisenhut, Heidelberg, Hanns Rein, Homburg vor der Hohe, and Erich Kaupp, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 2, 1936, Serial No. 83,158. In Germany October 10, 1933
4 Claims. (Cl. 18—54)

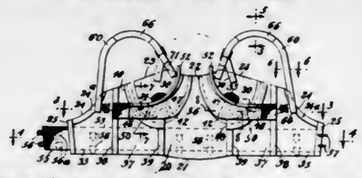
1. A process of manufacturing artificial silk from viscose which comprises squirting viscose having a degree of ripeness below 7° Hottenroth through the openings of a spinning nozzle into a precipitating bath having a pH value of from 1 to 11 and an osmotic pressure corresponding at most with that of an aqueous solution of 1 per cent of sodium sulfate and 0.2 per cent of sulfuric acid.

2,155,935

ADJUSTABLE BRASSIÈRE

Ruth Freedman, New York, N. Y.

Application September 16, 1937, Serial No. 164,107
1 Claim. (Cl. 2—42)



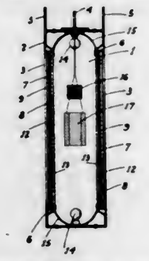
A brassière comprising a body portion having outwardly extending pockets, a separating band for each pocket comprising a horizontal portion and a curved upwardly extending portion, the end of each horizontal portion connected to said body portion and the curved upwardly extending portion of each band extending over a portion of its coacting pocket with its lower edge connected to the body portion of the brassière at the contour of its pocket, a ribbon adjusting band having its ends stitched to the upper edge of each separating band for a portion of its length, and a cord enclosed by each of said ribbons, each ribbon adjusting band with its cord adapted to have its ends adjacent to the upper edge of the body portion connected to the latter in different positions for adjustment.

2,155,936

ELECTRIC SIGN

Hermon A. Fuller, Modesto, Calif.

Application October 29, 1937, Serial No. 171,730
1 Claim. (Cl. 40—133)



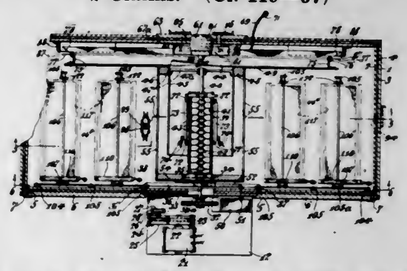
An electric sign comprising an opaque housing having a window in one side, apaque means covering the window and having sign forming openings, a pane of translucent glass in the housing behind said means, the inner face of the pane being rippled, an electric light in the housing, translucent colored strips over and extending beyond the sign forming openings and disposed against the front face of the pane, another translucent pane of glass in the casing behind and spaced from the first pane and whose face adjacent the inner face of said first pane is rippled, and additional sheets of glazed-surface material colored differently from the color strips disposed in spaced relation to each other against the side of the last named pane opposite the rippled face thereof.

2,155,937

METHOD FOR THE INCUBATION OF EGGS AND HATCHING CHICKENS, AS WELL AS PHEASANTS AND THE LIKE

Wilson T. Hager, Erwinna, Pa., assignor to Willet V. Hager, Erwinna, Pa.

Original application July 22, 1931, Serial No. 552,486. Divided and this application January 7, 1936, Serial No. 57,866
2 Claims. (Cl. 119—37)



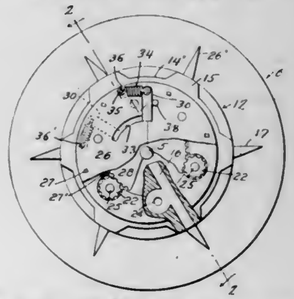
1. In a method for hatching eggs, the steps consisting in introducing fresh air into the hatching chamber of an incubator, generating heat and mixing it with said air, impelling said heated air in an undulated course, producing water vapor, and moistening said heated air with it, centrifugally distributing said heated and moistened air in said chamber, introducing additional fresh air in said chamber, generating water-vapor and introducing additional moisture into said chamber, mixing said additional fresh air and water-vapor with the first water-vapor laden air, and thermostatically so controlling the temperature and the heating of the air that the temperature and moisture of the air, before it strikes the eggs, will be constant and uniform.

2,155,938

TRACTOR WHEEL

Kennell Helgeson, Mount Horeb, Wis.

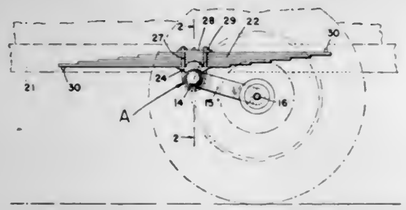
Application March 11, 1938, Serial No. 195,369
4 Claims. (Cl. 301—47)



1. A traction unit for a tractor or the like hav-

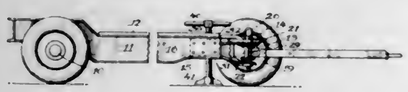
ing an axle, said unit comprising a tire-rim-equipped wheel keyed to said axle and including a pneumatic tire on the rim, said wheel including a spider, a block attached to said spider at one side of said wheel and concentric therewith, said block containing radial openings, traction rods disposed slidably in said openings, each rod having a rack portion, an individual pinion rotatably mounted in said block and meshed with the rack of the corresponding rod, and a driving gear rotatably mounted on said block and meshed with all of said pinions, and means for rotatably positioning said gear for effecting a retracted or a projected position of said rods.

2,155,939
VEHICLE AXLE
Thomas H. Jacob, Wausau, Wis.
Application September 24, 1937, Serial No. 165,517
2 Claims. (Cl. 267—19)



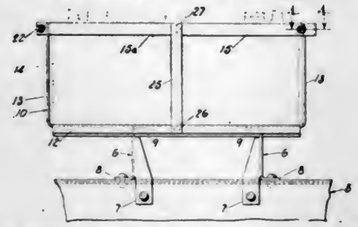
1. In a vehicle, a vehicle body, a transversely extending axle, means rigidly connecting the body with the axle, an outwardly extending spindle on the axle, a wheel crank, a hub rigidly connected with the inner end of the crank and rotatably mounted upon the spindle, a wheel rotatably carried by the outer end of the crank, a spring for connecting the hub with the body, and means adjustably connecting the hub with the spring whereby the position of the crank and wheel can be varied relative to the body.

2,155,940
VEHICLE AXLE COUPLING
Herbert W. Jahn and Harold G. Rendall, Chicago, Ill., assignors to C. R. Jahn Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1937, Serial No. 163,878
2 Claims. (Cl. 280—132)



1. In a vehicle having a frame and an axle, a coupling for affixing the axle to the frame whereby said axle may rotate in a plane substantially parallel to the plane of travel of the vehicle, said coupling adapted to be affixed to the frame and having a bifurcated portion extending both above and below the axle, a king pin adapted to pass through each bifurcation of the coupling and the axle, a tapered bearing for the pin in each bifurcation of the coupling to accommodate the pivotal movement of the axle with respect thereto in a plane substantially normal to the plane of rotation, and a strike plate on each bifurcation of the coupling providing bearing against which the axle may impinge and thus be limited in its pivotal or relatively vertical movement.

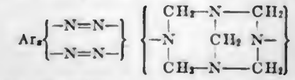
2,155,941
BATTERY SUPPORTING MEANS
Leo L. Jaskey, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application March 4, 1938, Serial No. 193,839
3 Claims. (Cl. 180—68.5)



1. In combination with a channel-shaped vehicle frame member, a pair of brackets secured to the side and top of said member in longitudinally spaced relation, a U-shaped cradle member having its base of inverted channel-shaped section and secured on said brackets, a horizontally extending open rectangular frame secured to the upper ends of said cradle, said frame having two diagonally disposed corners unconnected, and means engaging said ends for exerting a pressure thereon tending to draw the same together to reduce the area of said frame while maintaining a true rectangular opening therein.

2,155,942
DYEING PROCESS AND COMPOSITIONS THEREFOR
Jean G. Kern, East Aurora, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 4, 1937, Serial No. 118,992
15 Claims. (Cl. 8—45)

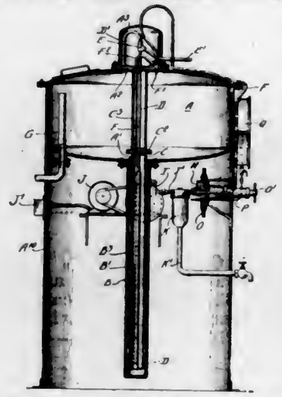
1. In the dyeing of textiles, the improvement which comprises applying thereto an aromatic diazo-imino compound of the following formula,



wherein Ar represents an aromatic radical and x represents an integer less than 3, and by means of a coupling component developing the dye on the textile.

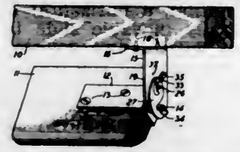
2,155,943
INTERMITTENT AIR ACTUATED ACID FEEDER
Arthur E. Kittredge, Audubon, N. J., and Victor A. Rohlin, Glenside, Pa., assignors to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1938, Serial No. 183,318
3 Claims. (Cl. 221—95)

1. Liquid feeding apparatus comprising in combination, a liquid storage chamber having a lower liquid outlet, a feed chamber extending downward below the level of said outlet, a U conduit connection between said outlet and feed chamber comprising two limbs connected at their lower ends one of said limbs being connected at its upper end to said outlet and the upper end of the other limb opening to said feed chamber adjacent the upper end of the latter, a discharge pipe having its inlet end connected to the feed chamber at a level substantially below the level of said outlet and having an outlet located at a level above the maximum liquid level in said storage chamber, and means for subjecting the liquid in said feed chamber to an air pressure varying between that required to depress the



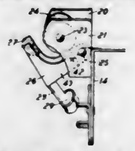
liquid level in the feed chamber substantially below the upper end of said second limb and that at which the liquid levels in the reservoir and feed chamber equalize.

2,155,944
SUPPORTING APPARATUS FOR VENETIAN BLINDS
William Weaver Lewis, Port Washington, N. Y.
Application March 17, 1938, Serial No. 196,325
10 Claims. (Cl. 156—17)



1. In a supporting mechanism for a Venetian blind including header means, a tilt bar and journaling means therefor; means attachable to the header means and having an opening and means for covering different portions of the opening to provide bearings for the journaling means at varying distances from the header means in such manner that as each portion of the opening is covered only one bearing is provided.

2,155,945
CORD LOCKING APPARATUS FOR VENETIAN BLINDS
William Weaver Lewis, Port Washington, N. Y.
Application March 17, 1938, Serial No. 196,326
7 Claims. (Cl. 156—17)



1. In a cord locking device for a Venetian blind comprising a header bar, a cord extending through the header bar for raising and lowering the blind, means attachable to the header bar for guiding the cord, means associated with the guiding means for downwardly projecting the cord and responsive to actuations of the cord to cooperate with the guiding means to lock the cord for arresting movements of the blind; means moving the associated means in a direction opposite to the direction which a property of the cord is tending to move the associated means thereby rendering the property of the cord ineffective to cause inadvertent cooperativeness between the guiding and associated means.

2,155,946
INSECTICIDAL OIL SPRAY
Daniel G. Loetscher, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 10, 1937, Serial No. 130,148
3 Claims. (Cl. 167—34)

1. The method of increasing the solubility of nicotine naphthenate in oil sprays which comprises employing a slight excess of naphthenic acid over the amount theoretically required for the chemical combination of naphthenic acid and nicotine.

2. A white oil tree spray containing in oil solution a small amount of an aluminum soap, a smaller amount of a hydroxy ester of a high molecular weight organic acid and about 1 to 10% of nicotine naphthenate containing an excess of naphthenic acid.

2,155,947
BOTTLE OPENER
Theodore H. Low, New Haven, Conn.
Application June 19, 1936, Serial No. 86,029
7 Claims. (Cl. 65—46)



2. A hand bottle opener for lifting crown caps from bottle mouths comprising a head a nib carrying arm and a handle both depending downwards from opposite ends of the head, and a spring attached to and projecting from the inner face of the handle to engage yieldingly the cap flange.

6. A bottle opener for lifting with one hand crown caps from bottle mouths comprising a central longitudinal head member resting on and extending diametrically across the cap from edge to edge thereof and fulcruming on and extending only slightly beyond its periphery, a nib arm rigidly depending downwards from that end of the head member removed from the fulcrum having an inwardly disposed nib with its end sufficiently broad to extend under the edge of an entire crimp of the cap flange and normally contacting the bottle adjacent thereto and an outwardly sloping handle rigidly depending downwards from the opposite end of the head member adjacent to the fulcrum, the upper portion of the handle adjacent to the cap flange being spaced normally less than the distance of the outer edge of the crimp from the bottle neck to permit of outward movement of the nib of an equal amount whereby the handle by means of the play prevents chipping or jamming of the nib on the bulge of the head around the bottle mouth by facilitating the passage of the nib end thereover and by means of limiting the play prevents the opener from slip-

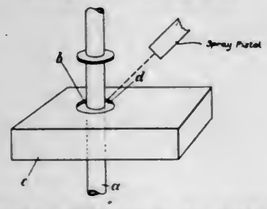
ping off the bottle cap by the handle adjacent to head member jamming and checking further outward movement of the nib end before it loses its hold under the edge of the crimp on the cap flange, the remainder of the handle being spaced from the bottle neck to contact therewith only after the cap is lifted.

2,155,948

SPRAYING METALS OR OTHER MATERIALS

Charles Fletcher Lumb, London, England, assignor to Schori Process Corporation, Long Island City, N. Y., a corporation of Maryland

Application July 23, 1937, Serial No. 155,321
In Great Britain August 18, 1936
1 Claim. (Cl. 22—203)



The method of forming an extension on an article, in the form of a thin projecting fin or flange, which comprises preparing the surface of the article to which the fin is to be attached so that the fin material will be adherent thereto, associating a supporting matrix surface with said article, said matrix surface having the configuration and projecting position of the desired fin and being non-adherent to the fin material, spraying molten fin material jointly on to said article surface and said matrix surface until the desired and a self-sustaining thickness of fin has been built up on said matrix surface and then removing the matrix.

2,155,949

LURE FOR COMBATING RODENTS

Hans Maier-Bode, Karl Brodersen, and Hermann Behncke, Dessau in Anhalt, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 7, 1936, Serial No. 78,404. In Germany May 8, 1935
4 Claims. (Cl. 167—48)

1. Lures for combating rodents containing a solid water-insoluble starch-containing food and a halogenated compound of the general formula

$$hCH_2(CHOH)_n—CH_2—OX$$

wherein h means halogen, *n* is 0 or 1 and X stands for a member of the group consisting of hydrogen, hydroxyalkyl, halogenoalkyl, halogenohydroxyalkyl.

4. Lures for combating rodents containing a solid water-insoluble starch-containing food and a glycerine monochlorhydrine.

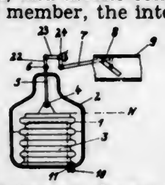
2,155,950

CONTROLLING APPARATUS FOR AN INTERNAL COMBUSTION ENGINE

Fritz Nallinger, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application May 13, 1937, Serial No. 142,438
In Germany May 4, 1936
14 Claims. (Cl. 137—139)

1. Fuel supply controlling apparatus adapted to operate under variable atmospheric pressure comprising, in combination, a hollow expansible pressure-responsive altimeter element, a controlling member adapted to govern the fuel supply and movable from a normal position to an abnormal position, and means connecting said element with said member, the internal pressure of



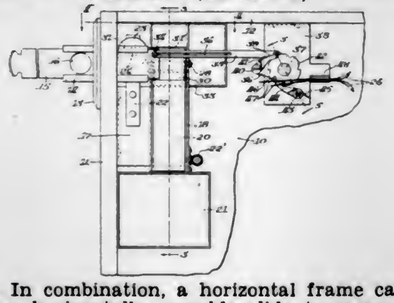
said element being so chosen as to cause the same in event of leakage to move said controlling member to its normal position.

2,155,951

COIN DIVIDER

Frank G. Nicolaus, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application March 3, 1937, Serial No. 128,831
3 Claims. (Cl. 194—1)



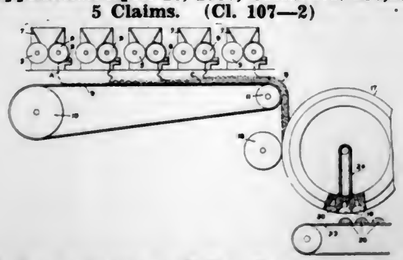
1. In combination, a horizontal frame carrying a horizontally movable slide to move and discharge coins flatwise in a substantially horizontal plane over and off the frame through an opening formed in the latter, a pivotally mounted deflector member inclined slightly from the horizontal and positioned immediately below the discharge end of the frame below the opening therein to receive flat-wise all coins discharged from the frame, means positively holding the member in one tilted position to deflect coins in one direction, means to release the holding means, and weight means serving to unbalance the member for movement to another position when released to deflect coins in an opposite direction.

2,155,952

APPARATUS FOR MANUFACTURING A FOOD PRODUCT

Elmer W. Noxon, Webster Groves, and Kenneth E. Garrison, St. Louis, Mo., assignors to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri

Application April 16, 1937, Serial No. 137,188
5 Claims. (Cl. 107—2)



1. In mechanism of the class described, the combination with a plurality of shredding devices, of a traveling conveyor upon which the shredded material from said devices is discharged, means driving one of said devices at such speed that the discharge of shredded material therefrom is at the same rate as the travel of the conveyor, and means driving another device at a higher speed.

2,155,953

PROPELLER SHAFT MOUNTING

John Arthur Nyland, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 20, 1938, Serial No. 220,301
8 Claims. (Cl. 180—85)



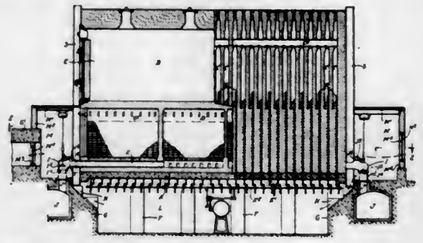
1. In a motor vehicle, the combination with an axle third member and a chassis member of a universally adjustable connection between the third member and chassis member comprising an element engageable with one of said members and adjustable in a given direction relative thereto to a selected set position and engageable also with the other member and adjustable relative thereto in a direction angularly related to the first mentioned direction of adjustment and means to retain the element and last mentioned member in selective set position.

2,155,954

UNDERFIRED REGENERATIVE COKE OVEN

William H. Pavitt, Bronxville, N. Y., assignor to Adele Johnson Wilputte, New Rochelle, N. Y.

Application September 28, 1935, Serial No. 42,553
20 Claims. (Cl. 202—141)



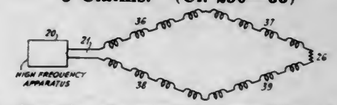
20. In an underfired coke oven battery, the combination with a coke oven structure having combustion chambers for heating the same and air preheating regenerating chambers communicating with said combustion chambers, galleries at the sides of the battery, reversing valves for said regenerator chambers located in said galleries, and a sub-structure supporting said oven structure and formed with a chamber space underlying substantially the entire coke oven structure, of means including regulating devices accessible for adjustment by an attendant moving around in said space for supplying fuel gas to said combustion chambers, and means for supplying to the regenerator chambers through the respective reversing valves, the air to be preheated, including means for passing that air to said chambers partly from said space and partly from said galleries, the last mentioned means being regulable to vary the relative amounts of air supplied from said galleries and space to regulate the cooling effect to which the latter is subjected.

2,155,955

DIRECTIVE ANTENNA SYSTEM

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 12, 1936, Serial No. 63,483
3 Claims. (Cl. 250—33)



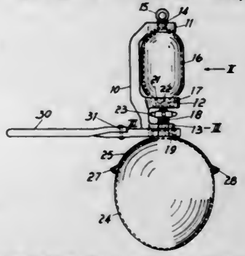
3. A directional antenna comprising a pair of diverging radiating elements angularly disposed with respect to each other, high frequency apparatus coupled to the more closely adjacent ends of said elements, said conductors being loaded at regular intervals of less than one-sixth wave length with reactance elements so that the electrical velocity of said conductors is appreciably less than the velocity of propagation of electromagnetic waves in free space, said conductors being of such length and so disposed in space that the electrical length of each conductor is approximately one-half wave length longer than the length of a conductor's projection upon the direction of propagation of the electromagnetic waves, whereby there is obtained a compact antenna system of less lateral and longitudinal dimensions and of the same general configuration as the same type of antenna system without reactance elements.

2,155,956

PORTABLE APPARATUS FOR MAKING ICED BODIES

Victor Planer, Paris, France, assignor of fifty per cent to Josef Oppenheimer, New York, N. Y.

Application June 15, 1935, Serial No. 26,751
3 Claims. (Cl. 62—92)



3. An apparatus for cooling liquids by means of highly compressed or liquefied carbon dioxide upon releasing it into space in gaseous state, comprising two containers, one of said containers adapted to contain carbon dioxide under high pressure, or liquefied, the other one of said containers provided with a wall consisting substantially of rough fabric being permeable by said gaseous carbon dioxide.

2,155,957

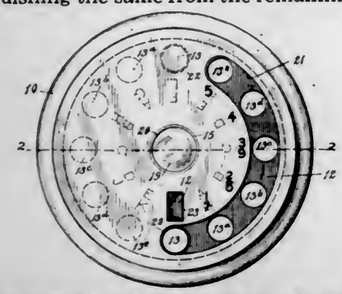
DEVICE FOR DETERMINING THE GENUINENESS OF BANK NOTES, ETC.

John H. Ruth, Brooklyn, N. Y.

Application May 14, 1935, Serial No. 21,374
6 Claims. (Cl. 35—74)

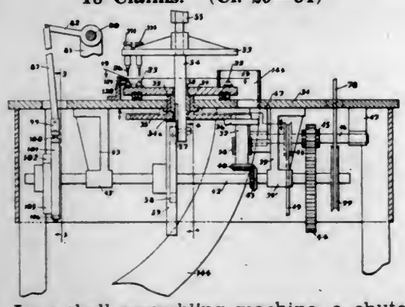
1. A device for determining the genuineness of bank notes and the like including relatively movable members, one of said members having a sight-opening therein designating the zero position of the members and having a series of notations of an arithmetical system disposed sequentially

thereon in spaced relation, the other member having a second series of notations disposed thereon for successive registry with said sight opening and having a spacing therebetween corresponding to the spacing between said arithmetical notations, said second notations corresponding to those appearing on the various notes in association with the serial numbers thereon and having a predetermined sequential order relative to and registering with the arithmetical notation in the zero position of the members, and the alternate ones of said second notations having a characteristic distinguishing the same from the remaining nota-



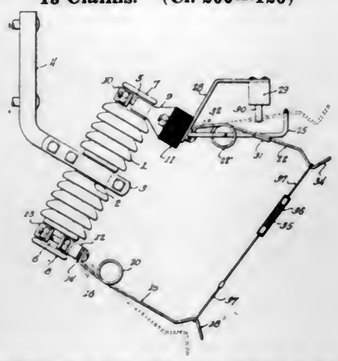
tions for indicating, when exposed after the next to the last digit of the serial number of a note is dialed, that an additional dialing of a predetermined numeral is then required, and the two series of notations being coordinated so that when the several digits of the serial number of a note and said predetermined numeral, if required, are dialed by a succession of movements of the second member through distances differing in accordance with the numeral dialed, the notation of the second series properly associated with the serial number upon such note will be exposed to view through said sight-opening.

2,155,958
SHELL ASSEMBLING MACHINE
Alfred Schmidt, Weehawken, N. J.
Application February 3, 1937, Serial No. 123,782
18 Claims. (Cl. 29—84)



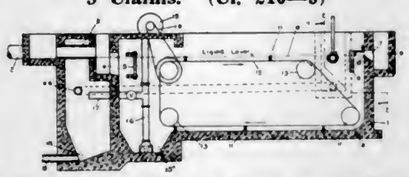
1. In a shell assembling machine, a chute for supplying and holding hollow shells each having a flange end with a bead spaced in slightly from the end thereof, a pin for receiving one of said shells at a time and holding said shell with its beaded end at the outer end of the pin, means for depositing one of said shells on said pin, a chute for supplying and holding washers with center openings adapted to fit into the beaded end of said shells and rest on said beads, means for depositing one of said washers into the beaded end of a shell on said pin and crimping the edge of said shell to hold the washer in place on said bead, a chute for supplying and holding eyelets adapted to fit into the center openings of said washers, means for depositing one of said eyelets into the central opening of the washer held in said shell which is on said pin, a punch for coacting with said pin for clamping said eyelet, washer and shell into a fixed unit, and means for removing said unit from said pin.

2,155,959
REPEATING CUT-OUT CONSTRUCTIONS
Robert L. Smythe, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application April 1, 1936, Serial No. 72,044
13 Claims. (Cl. 200—126)



1. A repeating cut-out comprising a body portion having an insulating member and a conducting member, a plurality of fixedly located terminal members carried in opposed pairs by said conducting and insulating members and projecting outwardly from said conducting and insulating members, severable conducting means normally joining said pairs of members and held free and clear of other portions of the cut-out, said first pair of members being connected to an electric line, one member of each pair being biased for motion when the corresponding severable conducting means has been severed, current responsive means for severing the first of said severable conducting means, and means positioned in the path of movement of the first of said biased terminal members for connecting a succeeding severable conducting means in the electric line.

2,155,960
SCUM REMOVER
Howard S. Thomas, Rochester, N. Y.
Application May 11, 1937, Serial No. 141,995
5 Claims. (Cl. 210—3)



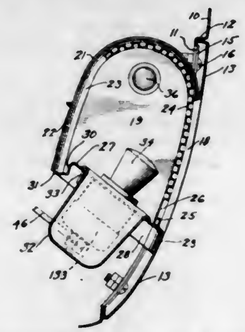
1. In a sewage disposal plant, in combination with a settling tank through which sewage passes from end to end, a scum remover comprising a tube near the exit end of the tank and extending across the tank at substantially right angles to the direction of flow, and substantially at the liquid level, a bearing at each end of the tube rockingly supporting the tube, means for rocking the tube in its bearings, an opening in the tube to permit entrance of scum thereinto, the tube

being inclined to the horizontal from end to end, a discharge nozzle at the lower end of the tube, and a cooling coil positioned around the nozzle to congeal fats and greases in the liquid flowing therethrough under the force of gravity.

2,155,961
METAL SALTS OF SULPHONATED TERPENE-PHENOL CONDENSATES AND METHOD OF PREPARATION THEREOF
William W. Trowell, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 19, 1938, Serial No. 185,698
11 Claims. (Cl. 260—448)

1. A water-insoluble metal salt of a sulphonated condensate of a terpene and a phenol.

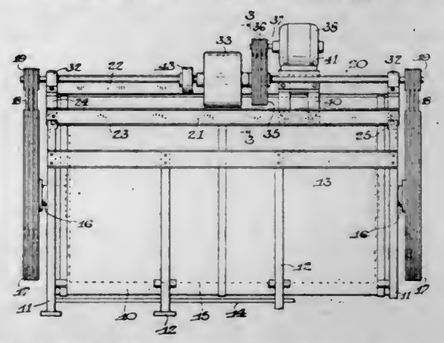
2,155,962
PANEL RECEPTACLE AND CLOSURE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application June 1, 1937, Serial No. 145,654
6 Claims. (Cl. 312—190)



2. The combination of a panel member having an aperture therein, a structure behind said panel defining a utility compartment accessible through said aperture, a roll top flexible closure slidable in said structure over the aperture and down the back of said compartment, a lamp for illuminating said compartment, and switch means responsive to abutment by the inner end of said closure to energize said lamp, said closure being so positioned that it will respond to gravity when moved nearly to open position and rest on said switch means while in open position.

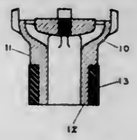
2,155,963
WASHING MACHINE HEAD FRAME
Thomas S. Watson, Milwaukee, Wis.
Application November 22, 1937, Serial No. 175,794
17 Claims. (Cl. 74—242)

1. In combination, a rotary driven member having axially spaced drive elements, supporting means for said member, a frame having bearings, a shaft journalled in said bearings and arranged substantially parallel to the axis of said rotary driven member, spaced drive elements on said shaft in substantial alignment with the drive elements on said rotary driven member, belt members connecting the drive elements on said rotary driven member and frame, and means for driving said shaft at a region approximately midway between the drive elements on said shaft, said frame being adjustably carried by said supporting means and shiftable with respect to the



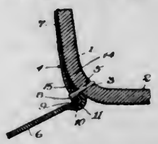
axis of said rotary driven member to adjust the tension on the spaced belt members.

2,155,964
INSULATED STRAINER AND METHOD OF FABRICATING SAME
Herbert L. Bowers, Haworth, and Norman E. Brice, Millburn, N. J., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
Application October 8, 1938, Serial No. 233,936
5 Claims. (Cl. 210—171)



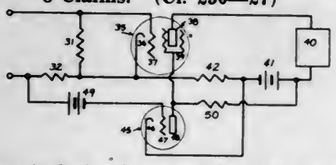
1. A strainer comprising a metallic strainer body, a hollow shank extending from the strainer body, a hard rubber bushing permanently and securely attached to the shank so as to form an integral part thereof, and a screw thread formed on said bushing.

2,155,965
HAT AND SWEAT BAND THEREFOR
Harold H. Bracher, Westfield, N. J.
Application March 8, 1938, Serial No. 194,577
1 Claim. (Cl. 2—181)



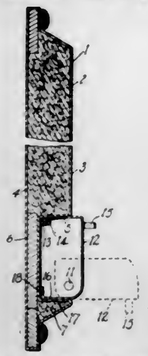
A sweat band for hats including a strip of leather with its opposite edges formed as concentric arcs and one edge portion formed with a longitudinally extending groove, a sweat-proof strip folded upon itself with the folded part forming a longitudinally extending loop, said sweat-proof strip being positioned on the inner face of said strip of leather near said groove, a line of stitching extending through said strip of leather adjacent its line of fold and adjacent the edge of said groove nearest the outer edge of the strip of leather, and a reed positioned in said longitudinally extending loop, said strip of leather being adapted to be folded inwardly with the reed in said groove when the sweat band is in use.

2,155,966
LINEAR CONTROL CIRCUIT
John Scott Campbell, Seattle, Wash.
Application June 7, 1935, Serial No. 25,452
8 Claims. (Cl. 250—27)



1. A control circuit comprising: an input circuit across which an input voltage is developed, a main valve having a main valve control divided into a plurality of sub-controls and a main valve output circuit across which an output voltage is developed, a pilot valve having a pilot valve control and a pilot valve output circuit, a coupling between said input circuit and said main valve output circuit such that a function of said voltages may be obtained, means for impressing said function upon said pilot valve control, and means for impressing said input voltage upon one of said main valve sub-controls and for coupling said output circuit of said pilot valve to another of said main valve sub-controls.

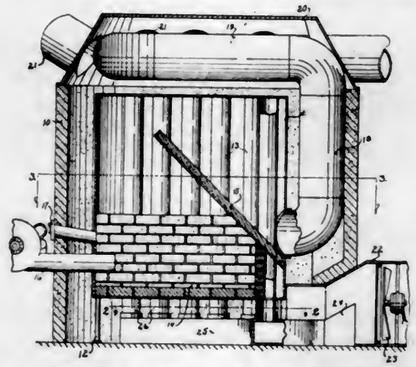
2,155,967
REFRIGERATOR DOOR
Willard W. Carroll, Kalamazoo, Mich.
Application November 26, 1937, Serial No. 176,617
9 Claims. (Cl. 62—89)



1. In combination, a refrigerator door having insulation therein, said door being substantially recessed and a portion of the insulation being omitted at the recess to provide a space adjacent the rear side thereof, a dehydration preventing pan for vegetables or the like pivotally mounted in said space, said pan having side walls and being open on one side whereby to provide an opening for inserting and removing articles when the pan is in open position, the pan engaging the door in closed position whereby to effectively close said opening against the door and prevent circulation of refrigerator air currents in the pan, and resilient means for holding the pan in closed position.

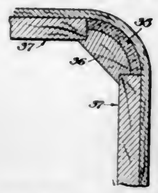
2,155,968
FURNACE OR THE LIKE
Harry L. De Frees, Des Moines, Iowa
Application September 11, 1937, Serial No. 163,412
3 Claims. (Cl. 126—109)

1. In a device of the class described, an outer housing, a main inlet conduit extending into said housing, a heating chamber inside said outer housing, a plurality of vertical flues having their upper ends extending through said heating chamber and adjacent the side and rear walls of



said heating chamber, and a horizontally arranged U-shaped duct below said heating chamber and in communication with each of the lower ends of said flues; said duct having its midportion provided with an air intake chamber communicating with said inlet conduit.

2,155,969
ROUND CORNER JOINT
Warren T. Green, Louisville, Ky., assignor to Mengel Body Company (Division of The Mengel Company, Incorporated, Louisville, Ky., a corporation of New Jersey)
Application April 13, 1936, Serial No. 74,172
2 Claims. (Cl. 20—92)

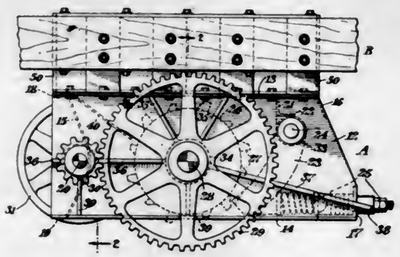


1. A wall including a curved portion, comprising wall material having a groove therein along the inner side of the curved portion, a layer of yieldable material against the bottom of said groove, and a backing member within said groove and disposed against said yieldable material.

2,155,970
ROLL CRUSHER
Stanley D. Hartshorn, Wayne, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application August 31, 1934, Serial No. 742,216
1 Claim. (Cl. 83—53)

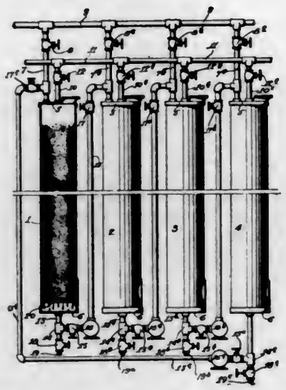
In a crusher construction a crushing unit comprising a frame having side plates and cross pieces connected thereto and a drive and a crusher roll having shafts journaled in bushing bearings in said side plates, and a suspending system for supporting said unit from parallel beams above the level of the unit, said suspending system being outside of said unit and consisting of horizontal side strips extending outward on each side of the top of said unit and below the level of said beams,

means above said unit for fastening said strips at their outer portions to said parallel beam supports, reinforcing side strips extending down from said horizontal side strips to said shaft bearings of said crusher roll on each outside surface of said frame and acting to directly trans-



mit downward forces on said bearings to said horizontal side strips, and a hopper above said unit and rigid therewith and comprising inclined plates between said beam supports acting to guide material into said hopper in the space between said supports.

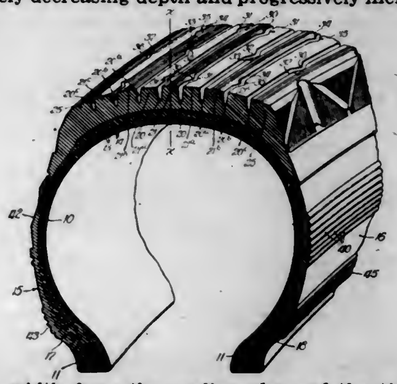
2,155,971
COFFEE EXTRACT AND METHOD OF MAKING SAME
Percy A. Houseman, Haddonfield, N. J., assignor to MacAndrews and Forbes Company, Camden, N. J., a corporation of New Jersey
Application May 31, 1938, Serial No. 210,953
17 Claims. (Cl. 99—71)



1. The method of making concentrated aqueous coffee extract which comprises subjecting the ground roasted coffee to the combined action of steam to distill the aromatic ingredients therefrom and of hot water water to effect a solution of the water-soluble solids therein, combining the condensed distillate and said solution and thereafter removing the combined extract from the ground coffee.

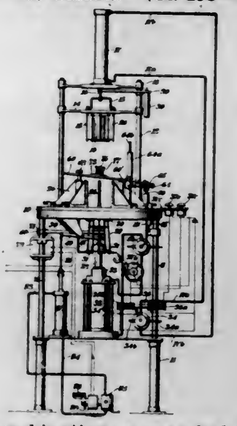
2,155,972
TIRE
Harry C. Hower, Chicago, Ill.
Application January 2, 1937, Serial No. 118,806
6 Claims. (Cl. 152—209)

1. A tire having a tread divided by a plurality of circumferential tread grooves into a plurality of tread ribs, each of said ribs being of progressively decreasing depth and progressively increas-



ing width from the median plane of the tire to the opposite sides of the tread.

2,155,973
FILTER FORMING MACHINE
Robert L. Irwine, Union, and Julius P. Kovacs, Newark, N. J., assignors to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware
Application June 17, 1938, Serial No. 214,182
20 Claims. (Cl. 153—70)

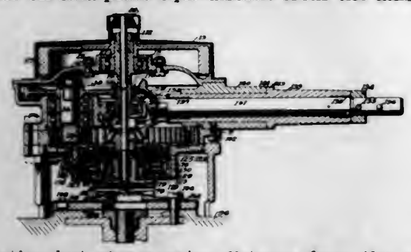


1. In combination, a mandrel having a plurality of radially movable wings, yieldable means for outwardly projecting said wings, means for locking said wings in retracted position, means for releasing said locking means, plungers radially movable between adjacent wings along paths having their outer limit beyond the projected position of said wings, means for effecting simultaneous reciprocation of said plungers, and means for effecting relative axial movement of said mandrel and plungers.

2,155,974
DRIVING MECHANISM
Raymond P. Lansing, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application May 12, 1930, Serial No. 451,830. Divided and this application December 1, 1936, Serial No. 113,738
2 Claims. (Cl. 64—13)

1. In an apparatus of the class described, an

engine flywheel having protruding studs, spaced apart and equi-distant from its axis of rotation, a plate having a clutch jaw on one side, circular slotted apertures in the plate, said apertures having an angular spacing corresponding to that of the protruding studs of the flywheel, depending studs on said plate equi-distant from the axis of



rotation but at a greater distance from the axis than are the studs of the flywheel, and a resilient driving connection between the plate member and the engine flywheel comprising a yielding disc having apertures for receiving the protruding studs of the engine flywheel and the depending studs of the plate.

2,155,975

HAIR-WAVING APPARATUS

Ragnvald G. Leland, New York, N. Y.

Application June 22, 1938, Serial No. 215,106

12 Claims. (Cl. 132—31)



1. A hair-waving apparatus including a drum on which hair is adapted to be wound, a swingable clamping bar adapted to be arranged parallel to the drum, and resilient means for causing the clamping bar to maintain the hair under tension during the winding operation and after the winding operation has been completed.

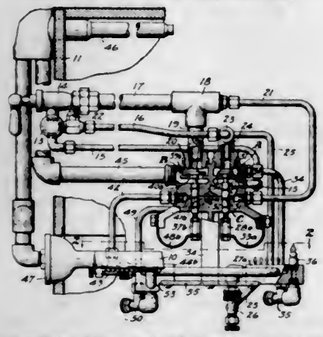
2,155,976

IGNITION SYSTEM AND CUT-OFF

Birchard L. Matthews, Lakewood, and John T. Marvin, Fairview Village, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio

Application January 10, 1935, Serial No. 1,194

11 Claims. (Cl. 158—117.1)



1. In combination, a fuel supply, a main burner, and an igniter therefor, including a flame pilot spaced from the burner, a first heat operated valve device spaced from said pilot and said burner, a second heat operated valve device adjacent said pilot, each of said devices comprising a valve, thermostatic means for actuating the valve and burner means for affecting the thermostatic means, the burner of said second valve device being connected to said fuel supply and being ignitable from said pilot, means under the control of said second valve device for conducting fuel to the burner of said first valve device, and conducting means for conveying flame from the burner of said second valve device to the burner of said first valve device, and means under the control of said first valve device for conducting fuel to said flame conveying means.

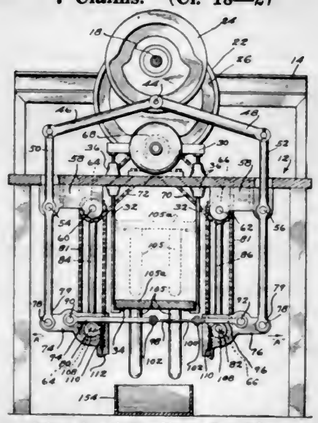
2,155,977

STRIPPING MACHINE

Stanley S. Millen, Glendale, Calif., assignor to Julius Schmid, Beverly Hills, Calif.

Application April 16, 1938, Serial No. 202,494

7 Claims. (Cl. 18—2)



7. A machine to strip dipped rubber goods from supporting forms nested upon a board, said machine comprising a table, bearings supported by said table, a pair of horizontally positioned shafts in each of said bearings, a power shaft, a cam on said power shaft, an oscillatable bar fulcrumed in each of said bearings and in fixed relation to one of the shafts in each of said bearings, arms joining said bars and adapted to be actuated by said cam, a link pendently supported upon one of the shafts in each of said bearings, bearing blocks, horizontally positioned shafts in each of said bearing blocks, certain of said last mentioned shafts being hingedly connected to said bars and said links, oscillatable fingers having forked ends of semi-circular section, said fingers being fulcrumed to the other of said last mentioned shafts, cams on certain of said last mentioned shafts to lift said fingers, spring means to return said fingers after being lifted, said first mentioned cam being adapted to intermittently swing said fingers from and into contact with said forms, and other cams on said power shaft, said last mentioned cams being adapted to lift and lower rods whereby said board and forms may be lifted and lowered synchronously with intermittent movement of said fingers from and into contact with said forms, and in clearance of said forms.

2,155,978

SHOCK ABSORBER

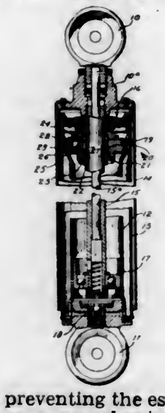
Peter-Franz Graf Bopp von Oberstadt, Cleveland, Ohio, now by judicial change of name Peter Bopp Oberstadt

Application February 8, 1937, Serial No. 124,639

In Germany February 8, 1936

12 Claims. (Cl. 188—88)

1. A direct acting shock absorber comprising a cylinder adapted to be filled with oil or fluid, a housing surrounding said cylinder in spaced relation with the space therebetween constituting a reservoir for oil or fluid, a piston relatively movable in said cylinder and having a piston rod projecting exteriorly of one end of said housing and cylinder, a plug arranged within said cylinder adjacent said end thereof and through which said rod extends and provided with means



forming a seal preventing the escape of oil around the rod, and means spaced outwardly of said plug and sealing said end of said cylinder and said housing against the escape of oil, and means carried by said plug for venting air or foam from said cylinder during the operation of the shock absorber but prohibiting the escape of oil or fluid therefrom and controlled by the differential in the dynamic pressures of the air or foam and the flowing oil.

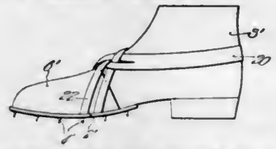
2,155,979

ICE CREEPER

Edwin Prondecki, Turners Falls, Mass.

Application February 3, 1938, Serial No. 188,478

2 Claims. (Cl. 36—7.7)



1. As a new article of manufacture, a device of the class described comprising in combination, a toe pocket member formed of stretchable sheet material and adapted to receive and frictionally engage the toe part of a shoe, said member being provided with a sole part and ground-gripping members depending downwardly therefrom, and a flexible strap member having interlaced end portions and an intermediate portion, the extremities of said end portions being attached to said toe pocket member and said intermediate portion providing a loop for encircling the ankle part of the shoe.

2,155,980

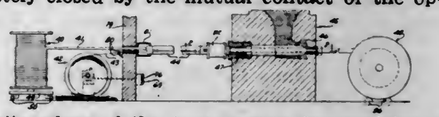
CABLE FORMING APPARATUS

Lester O. Reichelt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application July 12, 1933, Serial No. 680,037. Divided and this application May 26, 1934, Serial No. 727,690

13 Claims. (Cl. 173—244)

11. In a cable forming apparatus having means to propel a cable therethrough, a drying chamber, means in the chamber for holding a supply of cable core, means in the chamber for holding a supply of paper tape, means for applying the tape longitudinally both of itself and of the core to the core and forming the tape into a tube about the core in which every cross section of the tape at right angles to the length of the tape is completely closed by the mutual contact of the op-



posite edges of the tape, means for applying a protective covering of metal over the tape, means to prevent access of moisture to the dried core and dried tape while the tape is being applied to the core and while the protective covering is being applied, and means to retain the tape in position on the core while passing from the tape applying means to the protective covering applying means.

2,155,981

COMPOSITION TO INCREASE THE EFFICIENCY OF INTERNAL COMBUSTION ENGINES

Otto W. Schmidt, Kansas City, Mo., assignor, by mesne assignments, to M. W. Borders, Jr., Kansas City, Mo.

No Drawing. Application November 23, 1936, Serial No. 112,442

5 Claims. (Cl. 87—9)

1. A composition of matter to increase the efficiency of internal combustion engines, consisting of water-moistened finely divided exfoliated vermiculite, lubricating oil, and sulphonated non-mineral oil intermixed to form a homogeneous mass.

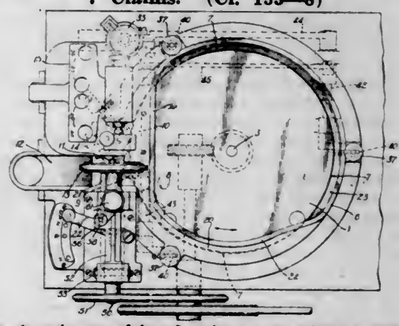
2,155,982

COIN MACHINERY

Bruno E. Seemel, Brooklyn, N. Y., assignor to Automatic Coinwrapping Machine Corporation, New York, N. Y., a corporation of New York

Application July 2, 1934, Serial No. 733,427

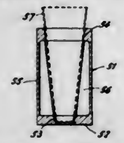
7 Claims. (Cl. 133—8)



6. A coin machine having a rotating table, an outer wall substantially encircling the table externally, a passage being provided for the escape of coins through said outer wall, an inclined wall, inclined outwardly and upwardly from the upper edge of said outer wall, extending part way around said table, and an overlying wall extending inwardly above and substantially parallel to the face of the peripheral portion of the table and extending in the direction of rotation of said table from substantially one end of said inclined

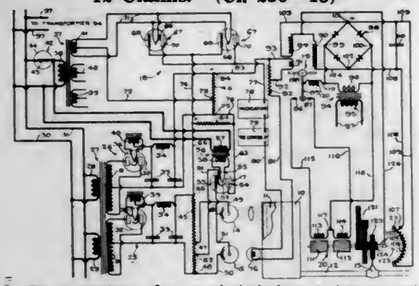
wall toward said passage, characterized by the fact that said walls are adjustable vertically, the lower edge of said inclined wall being adjustable to distances above the face of said table proportionate to the thicknesses of coins of different sizes.

2,155,983
CONTAINER HANDLING APPARATUS
Neal S. Sells, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 15, 1936, Serial No. 85,223
2 Claims. (Cl. 226—129)



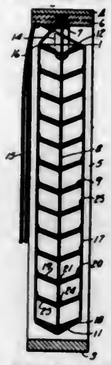
1. An adapter for enabling handling of tapered containers in a machine constructed for use with cylindrical containers, comprising a cylindrical casing, and vertically spaced container engaging means for cooperative engagement with the side wall of a tapered container above and below the mid-point thereof to support and hold a container for movement as a unit with the casing.

2,155,984
TEMPERATURE CONTROL SYSTEM
Paul F. Shivers, Wabash, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 31, 1935, Serial No. 47,723
12 Claims. (Cl. 236—15)



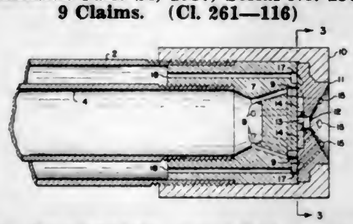
2. In a system for maintaining a temperature at a predetermined value, means for varying the temperature, a source of electric current, an electrical circuit energized by said source of current and including means responsive to a change in temperature to vary the current flow through said circuit, a switch movable in either direction from an intermediate open position to a closed position, a pair of electro-magnetic coils adapted upon equal energization thereof to hold said switch in said open position, and upon unbalance in the energization of said coils to move said switch to a closed position, one of said coils being energized by the flow of current through said circuit, the other of said coils being energized by said source of current independently of said circuit, and means operable upon said switch being moved to a closed position by reason of an unbalance in the energization of said coils to vary the current flow through said second mentioned coil to restore the balance between said coils and to adjust said temperature varying means to cause the same to restore the temperature to substantially said predetermined value.

2,155,985
BLIND
Arthur T. Waterman, Kansas City, Mo.
Application June 19, 1937, Serial No. 149,159
4 Claims. (Cl. 156—17)



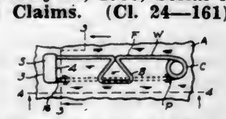
1. In a Venetian blind, a plurality of louvers each having upwardly and outwardly diverging wings, the upper faces of the wings at the outer side of the blind having light reflecting surfaces, and means tiltingly supporting the louvers in spaced relation whereby the wings at the outer side of the blind reflect light rays upwardly between the wings at the inner side of the blind and said wings at the inner side of the blind cut off objectionable light rays in selected positions of the louvers.

2,155,986
DESUPERHEATER
Henry C. Wheaton, East Orange, N. J., assignor to Bailey Meter Company, a corporation of Delaware
Application June 24, 1937, Serial No. 150,060
9 Claims. (Cl. 261—116)



1. A desuperheater comprising, a chamber having an orifice through which desuperheating fluid is discharged into the vapor to be desuperheated, and a nozzle for injecting vapor at a relatively high velocity into the fluid to be desuperheated located adjacent said discharge orifice.

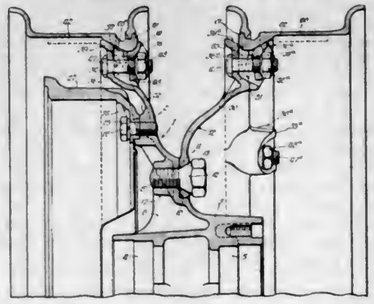
2,155,987
SAFETYPIN
Michael V. Assaf, Lawrence, Mass.
Application May 10, 1938, Serial No. 207,025
7 Claims. (Cl. 24—161)



1. A safety pin having a shield or guard enclosing and attached to the outer end of the fixed member of the pin, said guard being closed on the top and open on the bottom and being

formed on the inside with a V-shaped opening, the fixed member being bent in the direction of and in the same plane with the guard to form a bow, the other end of the fixed member being formed as a spring coil and thence extending as a resilient piercing member under the bow and ending in a point which passes inside the guard and has a recess which engages the V opening, the bow overlapping the piercing member.

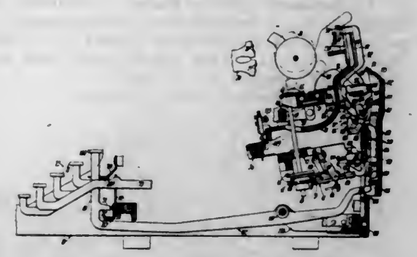
2,155,988
WHEEL ASSEMBLY
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application September 27, 1935, Serial No. 42,382
9 Claims. (Cl. 301—12)



9. A wheel body adapted for both single and dual rim mounting, comprising a hub section and a laterally inwardly directed peripheral flange portion formed with separate series of rim receiving seats arranged to support an edge mounted rim with its free edge disposed either laterally inwardly or laterally outwardly of said seats, one series of said seats comprising beveled surfaces for receiving the beveled edge of a gutter type rim, the other series of said seats comprising axial surfaces terminating in radial shoulders forming abutments for the lateral edge of a gutter type rim and with lug receiving shoulders disposed laterally outwardly of and radially inwardly of both series of seats for use when a rim is mounted in either position.

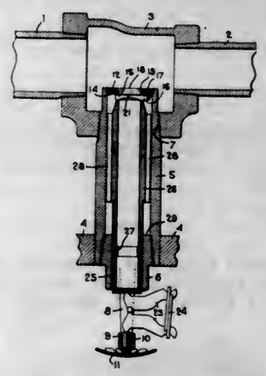
2,155,989
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application December 2, 1933, Serial No. 700,646. Divided and this application February 17, 1937, Serial No. 126,109
6 Claims. (Cl. 197—178)

1. A tabulating mechanism for a typewriter-carriage including a plurality of upstanding blades for engaging, by transverse edgewise movement thereof, a stop on said carriage, key-levers for selectively lifting said upstanding blades, and means mounting said blades side by side and acting as blade-guides, said means including a guide extending transversely of the blades and having slots in which one set of edges at the upper ends of said blades are received, said means also including a second transverse guide disposed lower than the first guide and having slots in which a second set of edges of said blades are received, said guide-slots and the blade-edges received therein being inclined, as viewed sidewise of the blades, and the blade-portions between said guides being the portions which engage said carriage-stop, whereby, when a blade is lifted, its stop engaging portion is



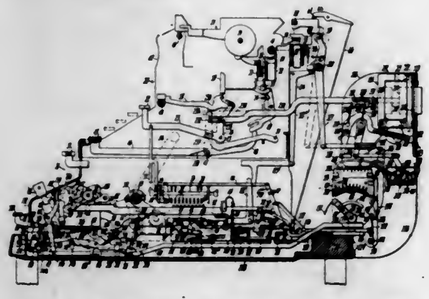
forced into the path of said carriage-stop and is forced out of said path when said blade is dropped.

2,155,990
PENDANT SPRINKLER HEAD
Willis K. Hodgman, Jr., Taunton, Mass.
Application May 25, 1938, Serial No. 209,865
13 Claims. (Cl. 169—39)



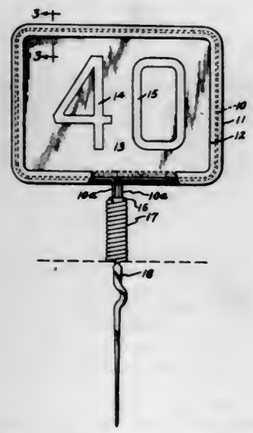
9. A pendant sprinkler head for a dry pipe system comprising an elongated tubular casing, means for connecting the casing to a pipe of the system with its upper end as high as the bottom of the pipe bore, a circular inlet port in the upper end of the casing, a valve flexibly connected to the casing at one side thereof seating upwardly against said seat when closed and when open movable downwardly out of alignment with the inlet port, a spreader supported from the casing beneath and spaced from its lower end, a device normally rigid but collapsible when subjected to a predetermined degree of temperature mounted on the spreader, a two-part strut coacting with the said device and extending therefrom to the valve when seated acting to hold the valve seated, the lower part of the strut being of such size as readily to drop clear of the head when the said device is collapsed and the upper part remaining in the casing and moving to a position to present an unobstructed space extending from the inlet port to adjacent the lower end of the casing which space at all points throughout its length has at least a circular cross sectional area no smaller than that of the inlet port thus to provide an unobstructed water passage from the inlet port to the spreader.

2,155,991
COMBINED TYPEWRITING AND COMPUTING MACHINE
Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 660,830, March 15, 1933. This application filed January 8, 1937, Serial No. 119,672
30 Claims. (Cl. 235—60)



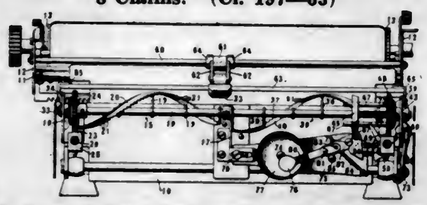
1. In a computing machine having a set of digit-types and a carriage, the combination of a set of denominational totalizer-wheels, a set of type-operating electromagnets, a total-key, mechanical reading devices, one for each wheel, effective upon operation of said total-key to move differential distances and thereby assume positions representative of the digits registered in said wheels, contact means co-operative with said reading devices to select the magnets according to said digits, and means controlled by said carriage to energize the selected magnets consecutively.

2,155,992
MARKER
Mitchell Menachof, Brookville, Ind.
Application January 5, 1939, Serial No. 249,460
4 Claims. (Cl. 40—125)



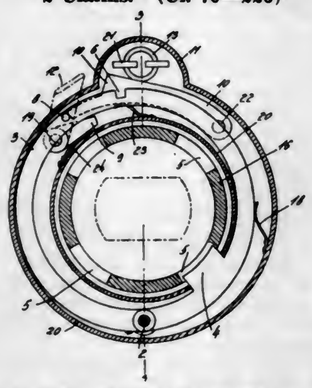
1. A marker composed of two parts, one comprising a member bearing indicia and terminating in an externally threaded plug and the other comprising a tightly wound coil spring having a relatively long axial extension adapted to be driven into the ground, said two parts being assembled by screwing said plug into said spring.

2,155,993
TYPEWRITING MACHINE
Talbert G. Nelson, New York, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 9, 1937, Serial No. 168,136
8 Claims. (Cl. 197—63)



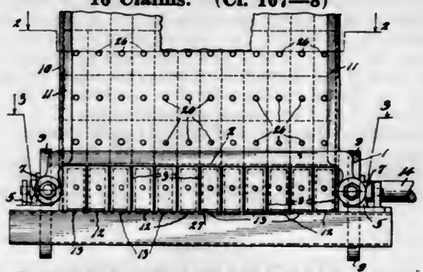
8. In a typewriting machine having a main frame element, a carriage element movable relatively to said frame element, margin-stop mechanism comprising right and left margin stops in axial alignment rotatably mounted on one of said elements and defining a reverse helix of stepped shoulders, a counter-stop on the other said element, and means for rotating the said right and left margin stops to variably present the stepped shoulders of the reverse helix in a lineal path with the counter-stop, the last said means including a manually operable control-member for each of said right and left margin stops, an indicator for each of said stops and detent means for each of said stops whereby the stepped shoulders may be located in proper positions.

2,155,994
LOCK FOR BICYCLES
Niels Christian Nielsen, Copenhagen, Denmark
Application April 8, 1937, Serial No. 135,613
In Denmark April 8, 1936
2 Claims. (Cl. 70—226)



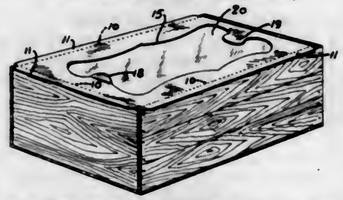
1. In a lock for bicycle wheels, the combination with the outer end of the wheel hub, of a cylindrical housing encircling the outer end portion of the hub, an annular locking member pivotally disposed within the housing concentrically with the hub, a number of peripherally disposed slots in the said portion of the hub, an aperture in the inner wall of the housing, a locking member on the said annular member projecting through the said aperture for engagement with one of the peripheral slots, spring means for actuating the annular member to maintain the engagement of the locking member with the hub, means for locking the annular member in its engagement with the hub, an extension formed in the housing, a key barrel in the extension adapted to receive a key for releasing the locking engagement between the annular member and the hub, and means for holding the annular member in its unlocked position.

2,155,995
MACHINE FOR MAKING FROZEN CONFECTIONS OR THE LIKE
John F. Robb, Cleveland Heights, Ohio
Application July 11, 1936, Serial No. 90,212
16 Claims. (Cl. 107—8)



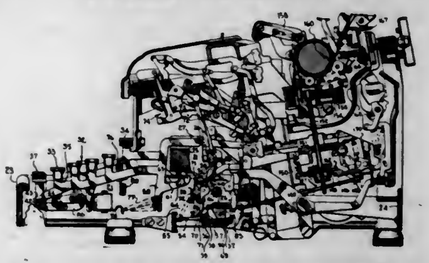
1. In a confection manufacturing machine, in combination, a hopper adapted to receive a block of confection substance, stick inserting mechanism associated with the hopper and comprising stick pushing means for forcing sticks into the confection substance in spaced relation, said sticks to form handles for individual cut units of the substance, cutting mechanism for cutting said confection substance into individual confection units after the sticks are forced therein, ejector mechanism for ejecting the cut confection units from the hopper after the cutting operation is performed, a conveyer having gripping devices thereon movable past the confection substance, said gripping devices arranged to be aligned with the sticks inserted in the cut individual confection units after the cutting action is completed and to receive and grip the said sticks when the confection units are ejected from the hopper, together with instrumentalities for causing movement of the cutting and ejecting mechanism and movement of the conveyer in timed relation.

2,155,996
DISPLAY COVER FOR BOXES
Wintford W. Saint, Piedmont, Calif.
Application October 3, 1936, Serial No. 103,930
3 Claims. (Cl. 217—58)



3. A display cover for boxes comprising a pasteboard panel having the dimensions of the interior of the box, and marginal flanges formed integrally with said panel and separated therefrom only by score lines, said panel and flanges being normally coplanar but being bendable along said score lines to planes at right angles to each other whereby the panel may be pressed into a box and the flanges will be caused to lie against the sides of the box, said flanges being of a width to overlie the edges of the box when the panel is removed from the box and they have been bent back to their normal position.

2,155,997
TYPEWRITING MACHINE
Gordon H. Sterling, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, Chicago, Ill., a corporation of Delaware
Application June 30, 1937, Serial No. 151,143
3 Claims. (Cl. 197—17)



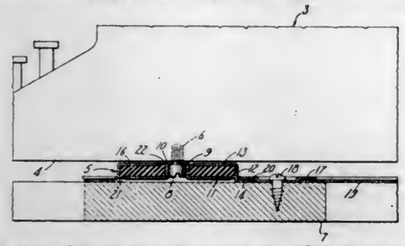
1. In a power-driven typewriter, a power-drive element, a plurality of selectively operable actuators arranged in a row parallel to said drive element, a comb-slotted member adapted to receive the actuators respectively in the slots and a universal plate mounted for pivotal movement on an axis parallel with the drive member and normally spring-held in position against said comb-slotted member so as to underlie the slots, said plate having bendable teeth which underlie the slots and are adapted to be engaged by the actuators as they are selectively engaged with the power-drive element.

2,155,998
KEYBOARD FOR POWER-DRIVEN WRITING MACHINES
Oscar J. Sundstrand, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1936, Serial No. 118,182
3 Claims. (Cl. 197—98)



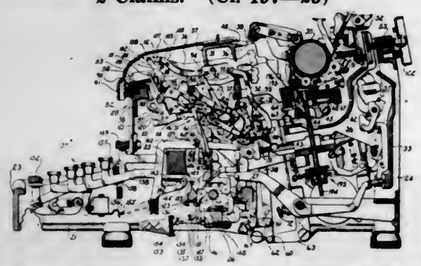
2. In a typewriter, a system of type actions, a system of pivoted type key levers by means of which said type actions are operated, said key levers having fixed thereon keys arranged in transverse rows or banks constituting a keyboard in which said banks are arranged one behind another and are definitely stepped, in different planes at the finger-engageable key tops, one above the other, said key top planes having a downward pitch from rear to front for easing the reaching of the typist's fingers from bank to bank and for easing the effort of said fingers in depressing said keys, and means limiting the strokes of said key levers to such degree that the pitch of said planes will not be materially altered during the operative range of movement of said type key levers about their pivots.

2,155,999
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application September 4, 1936, Serial No. 99,378
3 Claims. (Cl. 248—24)



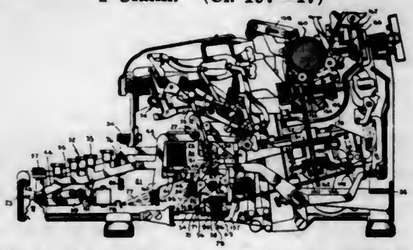
3. A resilient foot for support of a typewriter on a platform, comprising in combination, an inner member having a cylindrical body portion adapted for attachment to a typewriter and a flange projecting outwardly from the bottom thereof substantially at right angle to the axis of said body portion, an outer member having a cylindrical wall embracing said inner member and having an inwardly projecting top flange overlying and matching the bottom flange of said inner member in parallelism therewith, and a resilient rubber ring vulcanized to the confronting faces of said inner and outer members, said resilient ring having an upper annular portion between the body of said inner member and the edge of the top flange and having a bottom annular portion between the edge of the flange of said inner member and the wall of said outer member, the body portion of said inner member reaching above said top flange and the cylindrical wall of said outer member reaching below the flange of said inner member and being restable on a platform, to permit said resilient ring to tension freely under load of the typewriter.

2,156,000
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 21, 1937, Serial No. 149,343
2 Claims. (Cl. 197—25)



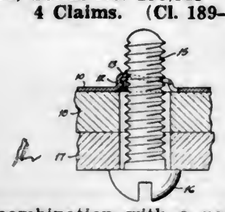
1. In a typewriter, a frame, a plurality of type actions segmentally arranged relatively to said frame, each type action comprising a hanger secured to the frame, a type bar, a toggle between the type bar and the hanger, a supporting link for the type bar having one end pivotally connected to the bar and its other end pivoted in fixed relation to the hanger, a rocker member pivoted on the hanger, a second type bar supporting link having one end connected to the type bar and its other end connected to the rocker member on one side of its pivot, a toggle link extending from said rocker member at the other side of its pivot, another toggle link having one end pivotally connected to the first said toggle link and its other end held fixed for pivotal movement relatively to the hanger, a lever pivotally mounted on one side of the hanger, a toggle link pivoted to the first said toggle link having its end connected pivotally with an end of said lever, means for connecting the other end of said lever to an actuator, means for limiting the range of pivotal movement of said lever, another lever pivotally mounted for movement in a limited range at the other side of the hanger and having means for connecting one end with an actuator, a finger connected for movement by the last said lever to insure straightening of a toggle comprising the first and second said toggle links, and a driving lever operable by either of the aforesaid levers to actuate the toggle between the type bar and the hanger.

2,156,001
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 21, 1937, Serial No. 149,344
1 Claim. (Cl. 197—17)



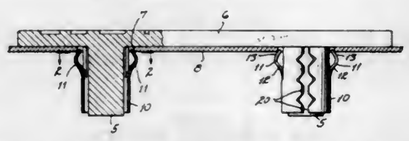
In a power-driven typewriter, a power-drive element, a plurality of selectively operable actuators arranged in a row parallel to said drive element, a comb-slotted member adapted to receive the actuators respectively in the slots and a universal plate mounted for pivotal movement on an axis parallel with the drive member and normally spring-held in position against said comb-slotted member so as to underlie the slots.

2,156,002
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Original application December 3, 1936, Serial No. 113,949. Divided and this application March 28, 1938, Serial No. 198,345
4 Claims. (Cl. 189—36)



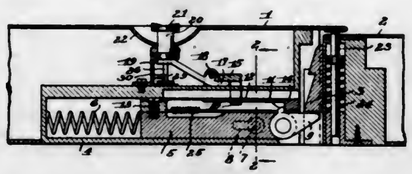
1. In combination with a part having a bolt passage, a sheet metal structure provided with bolt engaging means struck and formed therefrom to project out of the plane thereof and designed for self locking threaded engagement with a bolt joining said part and sheet metal structure, said bolt engaging means being in the form of a hollow protuberance comprising an upstanding wall of a size not less than the cross-sectional area of the bolt passage, said upstanding wall including an inturned bolt thread engaging element for engaging a single thread of said bolt and in operative position being in substantial registration with the side walls of the bolt passage to be supported by the surfaces of said part adjacent the bolt passage incident to the axial drawing action of said bolt, whereby said bolt thread engaging element is prevented from being pulled into and through the opening presented by the bolt passage in said part upon tightening of the bolt.

2,156,003
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application June 11, 1938, Serial No. 213,219
7 Claims. (Cl. 85—36)



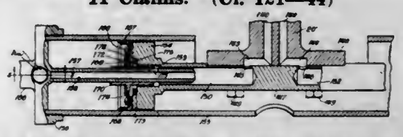
2. A fastening device comprising a substantially cylindrical sheet metal split ring having resilient fingers formed therefrom and having article gripping portions disposed between the fingers and around the ends thereof.

2,156,004
LATCH MECHANISM AND OPERATING MEANS THEREFOR
Edward I. Vanderlinde, Rochester, N. Y.
Application March 29, 1938, Serial No. 198,723
3 Claims. (Cl. 292—192)



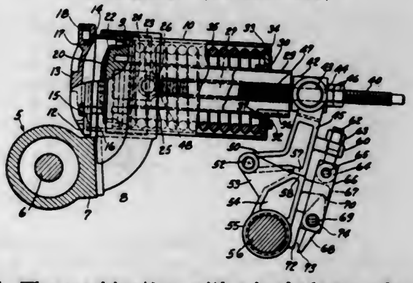
2. A latch mechanism, for a pivoted door, the outer surface of the door being free of any projecting parts and having a depression within which means for releasing the latch is arranged, and a spring actuated plunger mounted on the door frame engageable with the free edge of the door for opening it when released; said latch mechanism comprising a housing carried by the door, a spring-actuated support slidable in said housing, a latch member pivoted on the support and engageable with a stop on the door frame, a spring retaining member carried by the support and engaging the latch member for holding it in locked position on the support, releasing means comprising a reciprocating device mounted in the aforesaid recess of the door and operatively connected with said retaining member to move the latter and release the latch member, said releasing means when in its outermost position being flush with the outer surface of the door, and a spring mounted on the aforesaid support and connected to the latch member for returning it to locked position.

2,156,005
DOOR OPERATING MECHANISM
Alfred O. Williams, Battle Creek, Mich., assignor, by mesne assignments, to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application April 20, 1936, Serial No. 75,503. Divided and this application October 23, 1936, Serial No. 107,159
11 Claims. (Cl. 121—44)



1. Means for actuating doors and the like comprising a cylinder support having separate oppositely extending axial passageways, a cylinder enclosing said support and reciprocatory thereon, and means carried by the ends of said cylinder including tubular pilots extending into said passageways and having valve means therein for metering the exhaust of fluid from the interior of said cylinder through each of said pilots and the associated passageways.

2,156,006
BRAKE
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Battle Creek, Mich., a corporation of Michigan
Application June 2, 1938, Serial No. 211,418
12 Claims. (Cl. 188—170)

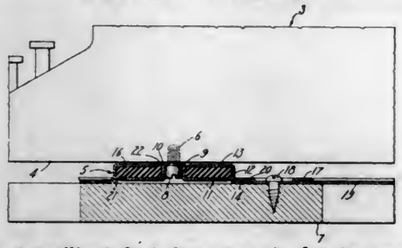


1. The combination, with a brake beam adapted to carry shoe brakes, of an arm secured to said beam, a second arm pivotally secured to said first arm and having abutting engagement therewith limiting rotation in one direction, toggle locking mechanism locking said arms against rotation in the opposite direction, pressure means normally holding said arms in brake releasing position, and spring means operative upon release of said pressure means for rotating said arms conjointly into brake applying position, said toggle mechanism being manually releasable to unlock said arms for relative rotation effecting release of said brakes.

2,156,007
SUPPORTING DEVICE FOR REVOLVING FLAT CARDS
William L. Blackwelder, Concord, N. C.
Application May 26, 1938, Serial No. 210,243
4 Claims. (Cl. 19—102)

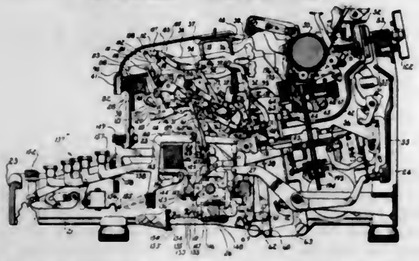
1. A device for supporting a portion of a carding machine, to wit, the top flats and the sprocket chains which carry the top flats, when the front shaft of the machine and the shaft-carried and chain-engaging sprocket wheels are removed: the device comprising a connection and

2,155,999
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application September 4, 1936, Serial No. 99,378
3 Claims. (Cl. 248—24)



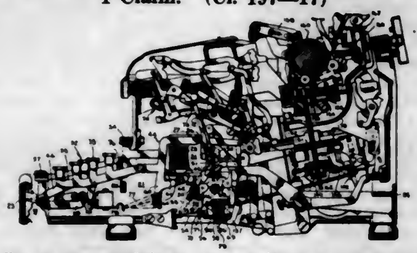
3. A resilient foot for support of a typewriter on a platform, comprising in combination, an inner member having a cylindrical body portion adapted for attachment to a typewriter and a flange projecting outwardly from the bottom thereof substantially at right angle to the axis of said body portion, an outer member having a cylindrical wall embracing said inner member and having an inwardly projecting top flange overlying and matching the bottom flange of said inner member in parallelism therewith, and a resilient rubber ring vulcanized to the confronting faces of said inner and outer members, said resilient ring having an upper annular portion between the body of said inner member and the edge of the top flange and having a bottom annular portion between the edge of the flange of said inner member and the wall of said outer member, the body portion of said inner member reaching above said top flange and the cylindrical wall of said outer member reaching below the flange of said inner member and being restable on a platform, to permit said resilient ring to tension freely under load of the typewriter.

2,156,000
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 21, 1937, Serial No. 149,343
2 Claims. (Cl. 197—25)



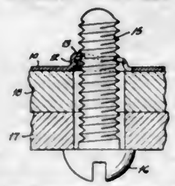
1. In a typewriter, a frame, a plurality of type actions segmentally arranged relatively to said frame, each type action comprising a hanger secured to the frame, a type bar, a toggle between the type bar and the hanger, a supporting link for the type bar having one end pivotally connected to the bar and its other end pivoted in fixed relation to the hanger, a rocker member pivoted on the hanger, a second type bar supporting link having one end connected to the type bar and its other end connected to the rocker member on one side of its pivot, a toggle link extending from said rocker member at the other side of its pivot, another toggle link having one end pivotally connected to the first said toggle link and its other end held fixed for pivotal movement relatively to the hanger, a lever pivotally mounted on one side of the hanger, a toggle link pivoted to the first said toggle link having its end connected pivotally with an end of said lever, means for connecting the other end of said lever to an actuator, means for limiting the range of pivotal movement of said lever, another lever pivotally mounted for movement in a limited range at the other side of the hanger and having means for connecting one end with an actuator, a finger connected for movement by the last said lever to insure straightening of a toggle comprising the first and second said toggle links, and a driving lever operable by either of the aforesaid levers to actuate the toggle between the type bar and the hanger.

2,156,001
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 21, 1937, Serial No. 149,344
1 Claim. (Cl. 197—17)



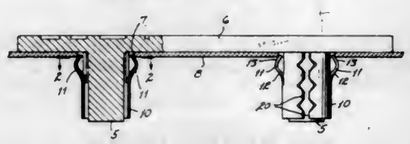
In a power-driven typewriter, a power-drive element, a plurality of selectively operable actuators arranged in a row parallel to said drive element, a comb-slotted member adapted to receive the actuators respectively in the slots and a universal plate mounted for pivotal movement on an axis parallel with the drive member and normally spring-held in position against said comb-slotted member so as to underlie the slots.

2,156,002
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Original application December 3, 1936, Serial No. 113,949. Divided and this application March 28, 1938, Serial No. 198,345
4 Claims. (Cl. 189—36)



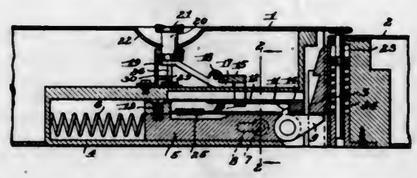
1. In combination with a part having a bolt passage, a sheet metal structure provided with bolt engaging means struck and formed therefrom to project out of the plane thereof and designed for self locking threaded engagement with a bolt joining said part and sheet metal structure, said bolt engaging means being in the form of a hollow protuberance comprising an upstanding wall of a size not less than the cross-sectional area of the bolt passage, said upstanding wall including an inturned bolt thread engaging element for engaging a single thread of said bolt and in operative position being in substantial registration with the side walls of the bolt passage to be supported by the surfaces of said part adjacent the bolt passage incident to the axial drawing action of said bolt, whereby said bolt thread engaging element is prevented from being pulled into and through the opening presented by the bolt passage in said part upon tightening of the bolt.

2,156,003
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application June 11, 1938, Serial No. 213,219
7 Claims. (Cl. 85—36)



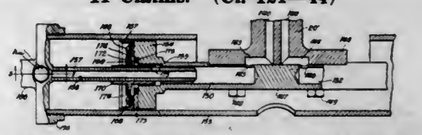
2. A fastening device comprising a substantially cylindrical sheet metal split ring having resilient fingers formed therefrom and having article gripping portions disposed between the fingers and around the ends thereof.

2,156,004
LATCH MECHANISM AND OPERATING MEANS THEREFOR
Edward I. Vanderlinde, Rochester, N. Y.
Application March 29, 1938, Serial No. 198,723
3 Claims. (Cl. 292—192)



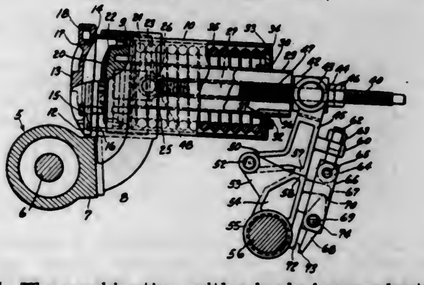
2. A latch mechanism, for a pivoted door, the outer surface of the door being free of any projecting parts and having a depression within which means for releasing the latch is arranged, and a spring actuated plunger mounted on the door frame engageable with the free edge of the door for opening it when released; said latch mechanism comprising a housing carried by the door, a spring-actuated support slidable in said housing, a latch member pivoted on the support and engageable with a stop on the door frame, a spring retaining member carried by the support and engaging the latch member for holding it in locked position on the support, releasing means comprising a reciprocating device mounted in the aforesaid recess of the door and operatively connected with said retaining member to move the latter and release the latch member, said releasing means when in its outermost position being flush with the outer surface of the door, and a spring mounted on the aforesaid support and connected to the latch member for returning it to locked position.

2,156,005
DOOR OPERATING MECHANISM
Alfred O. Williams, Battle Creek, Mich., assignor, by mesne assignments, to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application April 20, 1936, Serial No. 75,503. Divided and this application October 23, 1936, Serial No. 107,159
11 Claims. (Cl. 121—44)



1. Means for actuating doors and the like comprising a cylinder support having separate oppositely extending axial passageways, a cylinder enclosing said support and reciprocatory thereon, and means carried by the ends of said cylinder including tubular pilots extending into said passageways and having valve means therein for metering the exhaust of fluid from the interior of said cylinder through each of said pilots and the associated passageways.

2,156,006
BRAKE
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Battle Creek, Mich., a corporation of Michigan
Application June 2, 1938, Serial No. 211,418
12 Claims. (Cl. 188—170)

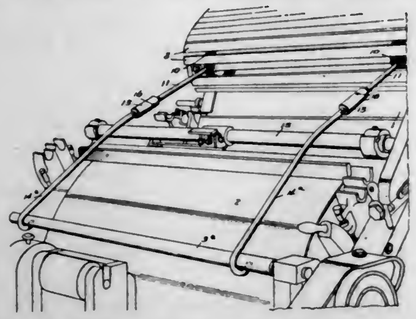


1. The combination, with a brake beam adapted to carry shoe brakes, of an arm secured to said beam, a second arm pivotally secured to said first arm and having abutting engagement therewith limiting rotation in one direction, toggle locking mechanism locking said arms against rotation in the opposite direction, pressure means normally holding said arms in brake releasing position, and spring means operative upon release of said pressure means for rotating said arms conjointly into brake applying position, said toggle mechanism being manually releasable to unlock said arms for relative rotation effecting release of said brakes.

2,156,007
SUPPORTING DEVICE FOR REVOLVING FLAT CARDS
William L. Blackwelder, Concord, N. C.
Application May 26, 1938, Serial No. 210,243
4 Claims. (Cl. 19—102)

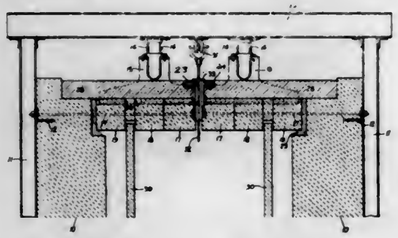
1. A device for supporting a portion of a carding machine, to wit, the top flats and the sprocket chains which carry the top flats, when the front shaft of the machine and the shaft-carried and chain-engaging sprocket wheels are removed: the device comprising a connection and

means for changing the length of the connection at the will of an operator, one end portion of the connection being provided with an anchorage means formed for detachable assembly with



a part of a carding machine, and means carried by the opposite end portion of the connection for detachable assembly with said portion of a carding machine.

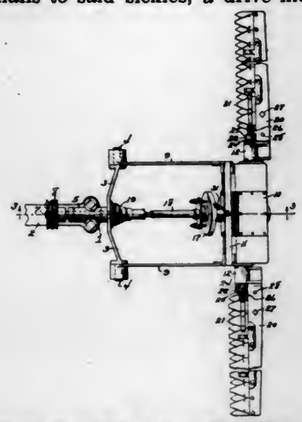
2,156,008
CONTINUOUS FURNACE
Albert J. Boland, St. Louis, Mo.
Application January 12, 1938, Serial No. 184,671
15 Claims. (Cl. 263—8)



1. In a furnace roof construction, a supporting metal frame above the roof, metal arch brackets depending therefrom, each extending from a point near the side wall of the furnace to a point near but terminating short of the center line of said furnace, and tiles each slotted in the upper surface thereof to receive the lower part of one of said brackets and depend therefrom, said tiles substantially engaging each other to form a closed roof structure but spaced apart at said center line to provide a slot.

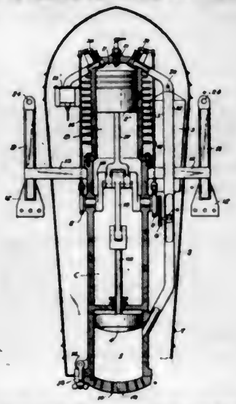
2,156,009
MOWER ATTACHMENT
Joseph P. Calcaterra and Pasquale Ferrero, Stockton, Calif., assignors to The Carando Machine Works, Stockton, Calif.
Application July 29, 1937, Serial No. 156,400
2 Claims. (Cl. 56—25)

1. A mower attachment comprising a housing, arms secured to said housing, means rotatably and detachably connecting the arms onto a tractor, a crankshaft journaled in said housing, bearings secured to opposite sides of the housing, sickle bars pivoted on said bearings and extending in opposite directions from the housing, securing means for fixing the sickle bars against pivotal movement, sickles carried by the sickle bars, pitmans slidable in said bearings and actuated by said crankshaft, means detachably connecting the pitmans to said sickles, a drive means con-



nected with said shaft and adapted to be connected with a power takeoff of the tractor.

2,156,010
SKY WRITING DEVICE
Robert Connor, Brooklyn, N. Y.
Application April 26, 1937, Serial No. 139,042
5 Claims. (Cl. 40—127)

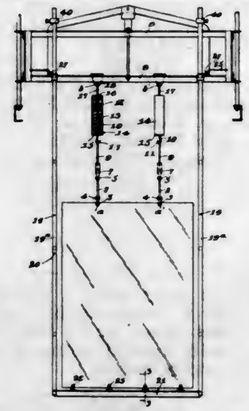


3. A device for sky-writing, comprising means for containing sky-writing smoke, a relatively diminutive foraminous simulacrum, means for discharging said smoke thru said simulacrum at timed and controllable intervals, and means for mounting the device on an aeronautical device with the ejection-zone pointing downwardly.

2,156,011
APPARATUS FOR SUSPENDING GLASS PLATES
Georges Paul Despret, Paris, France, assignor to The American Securit Company, Washington, D. C., a corporation of Delaware
Application March 23, 1936, Serial No. 70,479
In France March 28, 1935
2 Claims. (Cl. 49—14)

1. In apparatus for suspending glass sheets, the combination of a supporting bar, means for suspending the sheet from said bar, a frame associated with said bar provided with a bottom portion, side portions pivoted to the bottom portion,

means carried by said frame for maintaining the sheet against lateral movement and means engaging the side portions of the frame for sep-



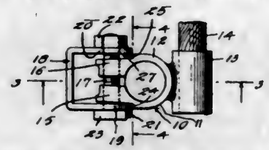
arating the upper end thereof to remove the side portions of the frame out of guiding position in respect to the glass sheet.

2,156,012
INDICATING INSTRUMENT FOR AIRCRAFT
Harvey Doyle, Lutherville, Md., assignor to Pioneer Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 25, 1935, Serial No. 23,504
4 Claims. (Cl. 177—311)



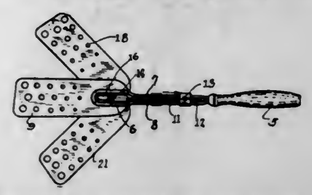
1. The combination with an aircraft having retractible landing gear, of an air speed indicator having a dial provided with a scale, a semi-transparent shield for alternately obscuring the low-speed and the high-speed portions of said scale, and means actuated by said landing gear for operating said semi-transparent shield.

2,156,013
BATTERY TERMINAL CONNECTION CLAMP
Carl R. Graves and John C. Stout, Clarion, Iowa
Application December 7, 1937, Serial No. 178,610
3 Claims. (Cl. 173—259)



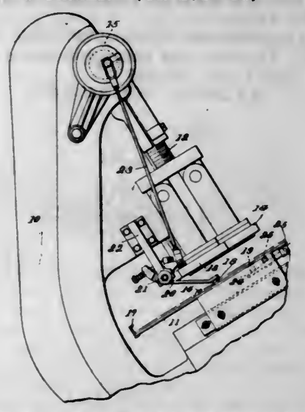
1. A battery post clamp comprising a split clamping member, a cable socket carried by said member, a pair of spaced apart parallel ears carried by the free ends of said clamping member, a bolt engaging through said ears, a U-shaped tightening member straddling said ears and mounted on said bolt to be oscillated relative to the ears, a cam on one of said ears, and a cam carried by said tightening member engageable with said first cam whereby to draw said ears toward each other upon rocking of said tightening member in one direction, and means securing the tightening member to the bolt to effect turning of the bolt with said means.

2,156,014
KITCHEN UTENSIL
Minnie Greene and Lois Udey, El Segundo, Calif.
Application November 29, 1937, Serial No. 177,152
1 Claim. (Cl. 294—7)



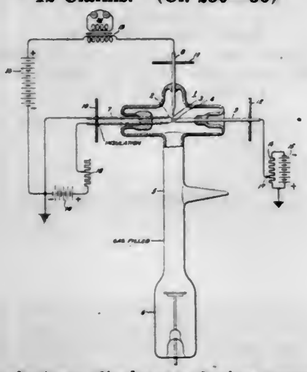
In a device of the character described, a handle, a U-shaped member connected to said handle, a movable rod carried by said U-shaped member, a blade secured to said U-shaped member, a pair of auxiliary blades pivoted to said first-mentioned blade, and connecting means between said rod and said blades, whereby movement of said rod will cause movement of said auxiliary blades, said means including cammed slots formed in said auxiliary blades and a pin carried by said rod and engaging said cammed slots.

2,156,015
METHOD AND APPARATUS FOR PUNCHING METAL SHEETS
George J. Greiner, New York, N. Y., assignor to Continental Can Company Inc., New York, N. Y., a corporation of New York
Application April 10, 1937, Serial No. 136,223
8 Claims. (Cl. 164—88)



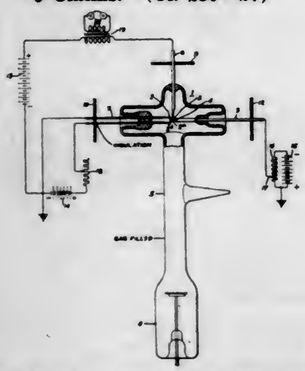
1. A method of simultaneously punching a plurality of rows of blanks from a metal sheet with the blanks in one row staggered with respect to the blanks in another row, which consists in feeding and positioning the sheet for each punching operation, and preventing movement of the scrap of metal left at the end of the row of staggered blanks while the sheet is being fed and positioned for punching the last blank in another row whereby to prevent the scrap of metal from extending into the path of the die for the staggered row during its idle stroke.

2,156,016
HIGH FREQUENCY APPARATUS
Garret A. Hobart, 3d, Tuxedo Park, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1936, Serial No. 61,375
12 Claims. (Cl. 250—36)



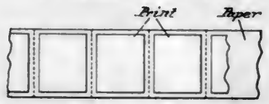
1. An electron discharge device comprising a U-shaped filament and at least one additional electrode arranged at a distance from said filament dependent upon the length of the legs of the U, means for causing the legs of said U-shaped element to expand or contract thereby to vary the electrode spacing of said electron discharge device, and means to operate said discharge device within a range of frequency at which the transit time of the electrons between said filament and electrode is material in the operation of said device.

2,156,017
HIGH FREQUENCY APPARATUS
Garret A. Hobart, 3d, Tuxedo Park, N. Y., assignor to General Electric Company, a corporation of New York
Original application January 29, 1936, Serial No. 61,375. Divided and this application August 3, 1938, Serial No. 222,854
9 Claims. (Cl. 250—27)



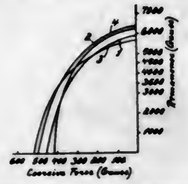
1. In a high frequency radio receiving system, the combination comprising an electron discharge device having cathode, grid, and plate electrodes, a conductor connected to each of said electrodes and tuned substantially to a number of one-quarter wave lengths of the wave at which said system operates, said conductors being arranged in a manner such that when said grid conductor is in the polarization plane of a received signal the cathode and plate conductors are perpendicular to the polarization plane, and means for detecting the received signal.

2,156,018
STAMP
Ferdinand W. Humphner, Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Company, a corporation of Delaware
Application July 30, 1937, Serial No. 156,565
8 Claims. (Cl. 283—6)



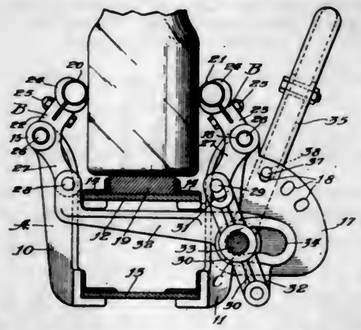
1. A tax stamp comprising a paper base, an imprint thereon, a water-soluble adhesive on the bottom of said paper, and a thin imprint on said adhesive, said imprint being destroyed by the wetting of said adhesive.

2,156,019
PERMANENT MAGNET STEEL ALLOY AND METHOD OF MAKING SAME
Gottfried Bruno Jonas, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 10, 1936, Serial No. 63,236
In Germany March 5, 1935
2 Claims. (Cl. 175—21)



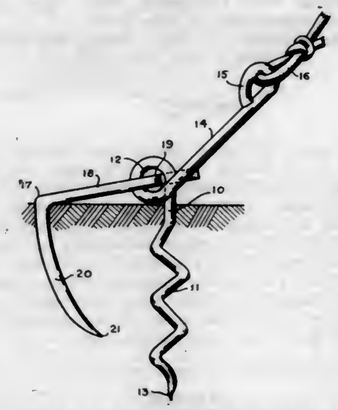
1. An unquenched cast permanent magnet consisting substantially of 22% Ni, 11% Al, 3% Ti, and the remainder substantially Fe.

2,156,020
CONVEYER
Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Co., a corporation of Illinois
Application August 22, 1936, Serial No. 97,445
12 Claims. (Cl. 198—137)



1. In a device of the character set forth: a frame; a conveyer chain supported in said frame; guide rails spaced apart on each side of the center of said chain, said rails being supported by rail arms pivotally supported at fixed points in said frame; and singly actuated means for moving said rail arms about their pivots to vary the vertical position of said rails and the spacing between them.

2,156,021
STEEL TENT PEG
John Andrew Little, Minto, Manitoba, Canada
Application December 30, 1937, Serial No. 182,569
4 Claims. (Cl. 135—15)



1. A tent peg as described comprising a peg for inserting in the ground and having an upwardly and angularly extending shank, and an anchoring member pivotally connected to said peg for swinging movement in a vertical plane having a prong for entering the ground when swung downwardly.

2,156,022
POPPING BUCKWHEAT
Warner Nelson McFaul, Consecon, Ontario, Canada
Application March 26, 1938, Serial No. 198,329
1 Claim. (Cl. 99—81)



The method of making a food product consisting in heating unhulled buckwheat grain to a temperature of between 200° and 400° F. to cause complete popping of the grains whereby the kernels are burst open and the hulls separated therefrom.

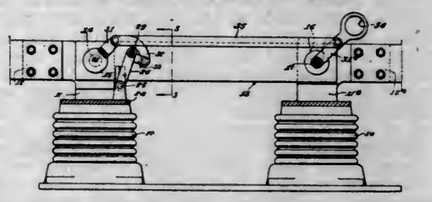
2,156,023
HYPODERMIC AND OTHER SYRINGES
Angus Conrad McKay, Canberra, Federal Capital Territory, Australia
Application December 6, 1937, Serial No. 178,413
In Australia December 7, 1936
1 Claim. (Cl. 128—220)

A hypodermic syringe and drencher comprising a barrel of glass or other suitable material, a metal sheath housing the barrel, a piston in the barrel having an inlet valve, said barrel also having a discharge valve, a hollow piston rod attached to the piston and through which fluid is fed to the barrel, and tubular means concentric with the piston rod for determining the stroke of the piston, said tubular means having a collar at



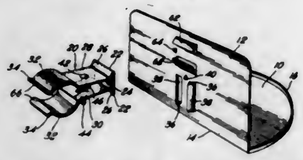
one end for engagement with an end cap disposed on the said sheath, the other end of the tubular means being split longitudinally and having means thereon for adjustably securing together the sleeve and the hollow piston rod, said split end of the hollow means having a handle secured thereto said handle serving to clamp the tubular means to the hollow piston rod.

2,156,024
ELECTRIC SWITCH
Patrick J. O'Brien, Yeadon, Pa.
Application April 9, 1938, Serial No. 201,166
11 Claims. (Cl. 200—169)



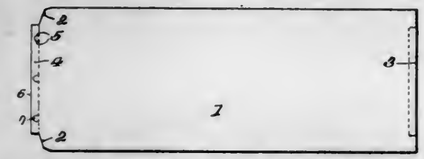
1. In a switch, spaced stationary contacts, a blade pivoted to one thereof for engagement with the other thereof, a clamping device for the last-named contact carried by said blade for clamping said blade and contact to one another, a movable member carried by the blade and connected with said clamping device for actuating said device to open and close the same, and means to positively lock said member against movement when the blade is not in fully closed position, including a link pivoted to a stationary support adjacent the contact to which the blade is pivoted, an operative pivotal connection between said link and movable member, the last-named pivot being movable by the clamp actuating movement of the movable member into and out of axial alignment with the pivot of the blade, movement of said movable member to close the clamp moving said last-named pivot out of axial alignment with the pivot of the blade.

2,156,025
SUPPORT
Leonard B. Paul, Joliet, Ill., assignor of one-third to George A. Lofdahl, one-third to Alice O'Mera Paul, and one-third to William Janke, all of Joliet, Ill.
Application November 23, 1937, Serial No. 176,118
4 Claims. (Cl. 248—223)



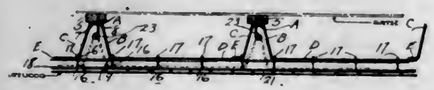
1. A smoker's article comprising a shelf including an upstanding member, ears carried by said upstanding member, a U-shaped clamp, the bight of the clamp being wider than the spacing of the legs adjacent thereto, to provide ribs, said ribs being slidably related to said ears for detachably connecting the parts, and means for drawing the legs of the clamp into clamping relation with a support.

2,156,026
SIDE SEAM FOR SHEET METAL CAN BODIES
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company Inc., New York, N. Y., a corporation of New York
Application April 10, 1937, Serial No. 136,219
2 Claims. (Cl. 220—75)



1. A sheet metal can body having its edge portions joined in a side seam including lap portions at the ends of the side seam and interlocking hook portions extending from the lap portion at one end thereof to the other, one of said interlocking hook portions having the metal thereof cut at spaced intervals along lines extending from the base of the hook toward the edge of the hook portion and terminating short of the edge of the hook portion, thus forming a recess in the hook portion located wholly within the hook portion, the metal of the body wall supporting the other hook portion being deformed into the recess and a solder bond uniting the lap and interlocked portions of the side seam.

2,156,027
BUILDING CONCRETE STRUCTURES
Andrew Young Preble, El Centro, Calif.
Application December 9, 1937, Serial No. 179,002
3 Claims. (Cl. 72—1)



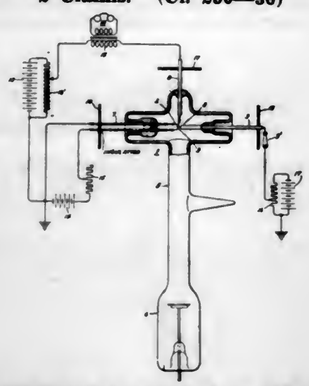
1. A form for building a reinforced concrete structure, comprising a supporting frame, form sheets of cardboard disposed in end to end overlapped relation to provide a backing surface for the concrete and attached to the supporting frame, said sheets being shaped to provide concrete receiving pockets at remotely spaced intervals in the length of the connected sheets, reinforcing material for the concrete, means for supporting the reinforcing material in spaced parallel relation to the sheets and including perch-like spacer members connected to the sheets and reinforcing rods fixed to the spacer members and having the reinforcing material secured thereto.

2,156,028
SIDE SEAM FOR SHEET METAL CAN BODIES
William F. Punte, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 1, 1938, Serial No. 232,872
1 Claim. (Cl. 220—77)



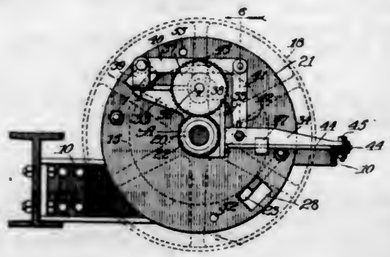
A side seam for sheet metal can bodies comprising a body blank having the edge portions lapped and solder bonded, the inner lapping section being bent outwardly and backwardly flat against the outer face of the blank, and the outer lapping section being offset outwardly to form a shoulder against which the fold edge of the inner section abuts, said outer lapping section having at widely spaced intervals relatively small holding lugs bent about the edge of the folded back portion of the inner lapping section.

2,156,029
HIGH FREQUENCY OSCILLATOR
Chester W. Rice, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1936, Serial No. 61,378
2 Claims. (Cl. 250—36)



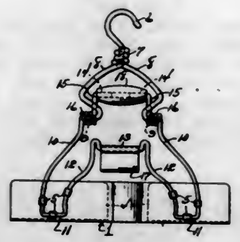
1. In combination, an electron discharge device, an electrode comprising a wire having a free end within said discharge device, a cathode electrode abutting, but spaced from the end of said wire, and a third electrode comprising a single straight wire interposed in the space between said cathode and first wire, means to produce a potential on said third electrode positive with respect to said cathode and first wire whereby electrons emitted from said cathode travel in an orbital path about said third electrode and excite oscillations in said electrodes having a wavelength dependent upon the orbital transit time of said electrons and not greater than fifteen centimeters.

2,156,030
CLUTCH
Otto B. Rufus, Chicago, Ill., assignor, by mesne assignments, to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1936, Serial No. 107,287
6 Claims. (Cl. 74—125.5)



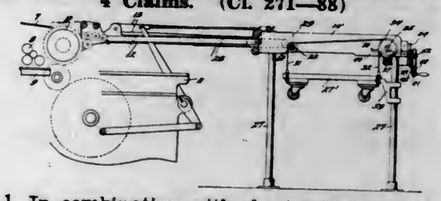
1. In apparatus of the character set forth, drive mechanism including a rotatable drive member, a rotatable driven member, one of said members having a pair of diametrically opposed dogs and the other member being equipped with a single lug, said dogs being arranged so that upon rotation of said drive mechanism one of said dogs will normally engage said lug, and control mechanism for positioning said dogs so that each will engage said lug only once in every one and one-half revolutions of said drive member.

2,156,031
TROUSERS HANGER
Nick P. Schur, Cleveland, Ohio
Application April 25, 1938, Serial No. 204,160
3 Claims. (Cl. 223—96)



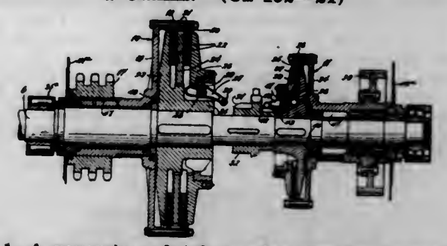
1. A trousers hanger comprising a pair of companion elongated clamping jaws, each including an outer portion and spaced inner sections formed on the lower longitudinal edges of the outer portions and disposed parallel therewith to provide channels for receiving the cuffs of the trousers therein, said inner sections of each jaw having their inner ends spaced from each other and the outer portions having recesses therein registering with the spaces between the inner sections for cooperation therewith to accommodate the seams of the cuffs, a supporting member having the outer portion of one jaw secured thereto, a second member pivotally connected to the supporting member and having the outer portion of the other jaw secured thereto for cooperation of the jaws with each other, means mounted on said members for holding the jaws closed and a hook included in the supporting member.

2,156,032
DELIVERY TABLE MECHANISM FOR PRINTING PRESSES
Frederick W. Seybold, Westfield, N. J., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application July 12, 1937, Serial No. 153,226
4 Claims. (Cl. 271—88)



1. In combination with sheet delivery mechanism, delivery table mechanism comprising a frame, means for supporting a delivery table on said frame, a shaft supported by said frame, a wheel secured on said shaft and having a smooth pawl engaging surface, a lever rotatably mounted adjacent said wheel, a friction pawl pivoted to said lever and adapted to engage said pawl engaging surface of said wheel, means periodically actuated by said sheet delivery mechanism for moving said pawl into binding frictional engagement with said wheel and imparting rotative movement thereto, and means connecting said shaft and said delivery table supporting means, said pawl actuating means comprising a slidable member supported by said frame and adapted to be periodically actuated by said sheet delivery mechanism, and a lever pivotally supported in engagement with said slidable member and adapted to rock into engagement with said pawl.

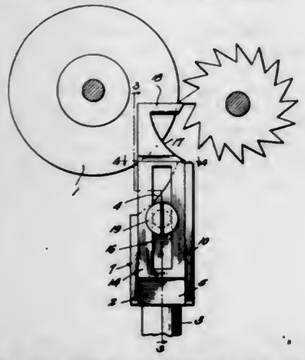
2,156,033
REVERSE CLUTCH MECHANISM
James W. Sloan, Tulsa, Okla., assignor to International Supply Company, Tulsa, Okla., a corporation of Delaware
Application October 8, 1937, Serial No. 168,089
2 Claims. (Cl. 192—21)



1. A reversing clutch mechanism for imparting movement of a prime mover to the drawworks and rotary of a drilling rig comprising a driving shaft adapted to be actuated by the prime mover, said shaft having a series of successively reduced portions decreasing in diameter from one end of the shaft toward the opposite end thereof, a relatively large strong clutch mounted on one of the larger portions of the driving shaft and driven thereby, a driven wheel loosely mounted on a still larger portion of said shaft and driven by said clutch, a second relatively small clutch of less strength than the first mentioned clutch mounted on one of the smaller portions of the shaft and driven by the shaft, and a second driven wheel loosely mounted on one of the smaller portions of the shaft and driven by the smaller clutch, each clutch comprising an outer member looosely mounted on the driving

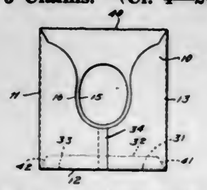
shaft and provided with internal teeth, a friction disc having external teeth meshing with said internal teeth, an internal member rotatable with the driving shaft, an annular plate traveling with the inner member, and means including a sleeve slidable on an intermediate portion of said shaft for moving said plate toward the inner member for clamping the friction disc and causing it to rotate with the inner member.

2,156,034
TOOTH REST
George J. Thomas, Newark, N. J.
Application May 17, 1937, Serial No. 143,196
4 Claims. (Cl. 51—225)



1. In a tooth rest, a support, a body formed integrally thereon and having side faces formed with vertically extending channels and an arcuate top wall whereby the body may be mounted in place with its arcuate wall in close proximity to the under portion of the peripheral edge face of a grinding wheel, supporting plates slidable vertically on the body within the channels and each having a vertically extending slot, said supporting plates being adapted for disposition beside opposite side faces of the grinding wheel in transverse spaced relation thereto and having portions adapted to engage under a tooth at the front of a cutting tool in spaced relation to each other and support said tooth during grinding of the tooth by the grinding wheel, and means carried by the body engageable through the slots and in the plates for retaining the supporting plate in a predetermined adjusted position in the channel of the body.

2,156,035
SANITARY SEAT COVER
Helen S. Toohy, Detroit, Mich.
Application July 6, 1936, Serial No. 88,943
3 Claims. (Cl. 4—243)

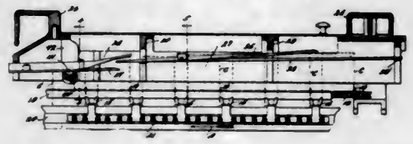


1. A sanitary cover for use on ordinary toilet seat rings comprising a paper bag of inside dimensions larger than the sides of such seat rings, having its back edge open to a width at least equal to the width of the seat ring and its opposite end and side edges closed, and having in its top a hole corresponding to but smaller than the hole in the seat ring and another hole below the first in the bottom extending farther toward the closed edge at the front than the first named hole.

2,156,036
ALGINATE IN OLEOMARGARINE
Vernon K. Wilt, Los Angeles, Calif., assignor to Kelco Company, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application April 7, 1938, Serial No. 200,733
15 Claims. (Cl. 99—123)

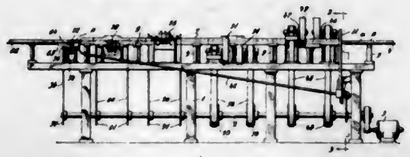
1. Oleomargarine containing an edible water soluble alginate incorporated therein.

2,156,037
CONTAINER CLOSING MECHANISM
Julius E. Wollenweber, Detroit, Mich., assignor to The American Paper Bottle Company, a corporation of Ohio
Application November 17, 1936, Serial No. 111,297
6 Claims. (Cl. 93—6)



1. Mechanism for closing the end of a tubular container having a foldable end portion, comprising stationary opposed cam members for engaging and folding toward the container axis two opposite sides of said end portion as the container is moved longitudinally of said cam members, and a third cam member for folding and bending downwardly into the open mouth of the container a closure flap projecting from one of said sides.

2,156,038
STRIP ALIGNING MEANS
Irving S. Bodkin, New York, N. Y., assignor to Conrad Razor Blade Co. Inc., Long Island City, N. Y., a corporation of New York
Application February 10, 1932, Serial No. 592,173
Renewed September 22, 1938
29 Claims. (Cl. 51—80)

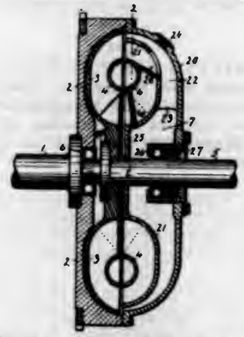


14. Aligning means for a metal strip to be sharpened, having cutaway portions therein, including guiding means for the strip, said means having a channel, means to propel the strip along the guiding means and the channel, a raceway communicating with the channel, and means to forcibly advance individual aligning members through the raceway into the cutaway portions of the strip within the channel, and means to discharge the members from the cutaway portions and from the channel into said raceway, said forcing means including spaced frictional feeding belts to engage opposite walls of the aligning members to feed said members through the raceway and into the cutaway portions of the strip, and means to operate said belts.

2,156,039
PROCESS OF CHLORINATING METHANE AND THE HOMOLOGUES THEREOF
Karl Dachlauer, Hofheim-on-the-Taunus, and Erwin Schnitzler, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 23, 1937, Serial No. 122,084. In Germany January 28, 1936
5 Claims. (Cl. 260—662)

1. A process of chlorinating an aliphatic hydrocarbon of the group consisting of methane, ethane and propane which comprises pre-heating together the hydrocarbon to be chlorinated and the chlorine to a temperature between 220° C. and about 400° C. passing the pre-heated mixture of gases with a high velocity through a thin permeable layer of the group consisting of porous substances and fine-meshed screens the material of said layer being resistant to chlorine and hydrogen chloride at the reaction temperature and separating the chlorination products formed.

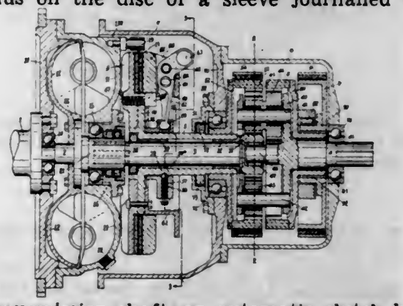
2,156,040
FLUID COUPLING
William A. Duffield, Montreal, Quebec, Canada, assignor to Modern Equipment Limited, Montreal, Quebec, Canada, a company
Application March 1, 1937, Serial No. 128,512
7 Claims. (Cl. 60—54)



1. In a fluid coupling of the type specified, having vaned impeller and runner members, the impeller member having a central enclosed reservoir and a by-pass passage from the reservoir opening directly into the runner member.

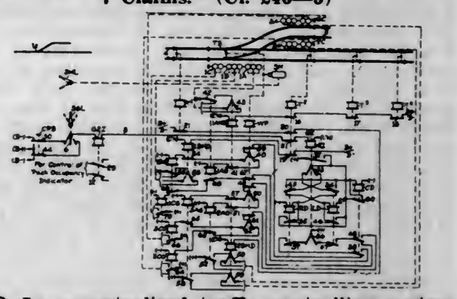
2,156,041
VARIABLE SPEED TRANSMISSION
William A. Duffield, Windsor, Ontario, Canada, assignor to Modern Equipment Limited, Montreal, Quebec, Canada, a duly incorporated company
Application July 16, 1937, Serial No. 153,874
10 Claims. (Cl. 74—189.5)

1. In an automatic variable speed transmission a power driven shaft, a fly wheel bolted to a flange on the shaft, a fluid coupling of the Fottinger type having its driver member bolted to the fly wheel, a stub shaft journalled in bearings in the fly wheel and in the driver member, the runner member of the fluid coupling bolted to a flange of the stub shaft, a splined axial bore in the end of the stub shaft, a frame, a gear casing bolted to the frame, a transmission shaft having a pinion splined to the stub shaft and journalled in bearings in the frame end wall, a tail shaft journalled in a pilot bearing in the transmission shaft and in bearings in the gear casing and having a flange forming a carrier, planetary gears journalled on pins in the carrier, one set meshing with the pinion and a brake controlled annulus, providing a reduction gear drive, the other set meshing with an annulus on the disc of a sleeve journalled on



the transmission shaft, an automatic clutch between this sleeve and the driver member of the fluid coupling comprising a disc on the driver member, a back plate bolted to a flange on the sleeve, a presser plate operated by weighted levers, an adjustable control for the levers, and springs in the back plate adapted to release the presser plate.

2,156,042
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rio De Janeiro, Brazil, assignor to General Railway Signal Company, Rochester, N. Y.
Application March 26, 1937, Serial No. 133,224
7 Claims. (Cl. 246—3)

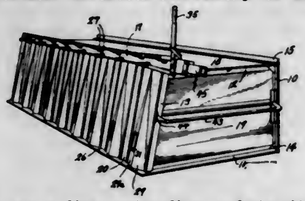


3. In a centralized traffic controlling system for railroads, a main signal and a call-on signal, a control office, a line circuit connecting said signals with the control office, relay means for controlling said main signal to indicate clear and stop, respectively, by energization and deenergization of said line circuit, and means for clearing said call-on signal by only a double reversal in polarity of the energization of said line circuit when the separate reversals are effected without leaving the line deenergized a period of time as long as the operating time of part of said relay means, said signals requiring continued energization of the line circuit for their continued clear indication.

2,156,043
STARTING BOX
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, River Forest, Ill.
Application October 7, 1935, Serial No. 43,815
13 Claims. (Cl. 119—15.5)

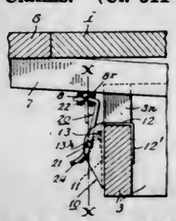
1. In a starting box for dog racing, a closure for starting stalls, comprising paired doors, each door being hinged at the outer edge, said doors

meeting at their inner edges, and each door having a portion diverted outwardly of said start-



ing box on a line extending substantially from the top inner corner of each door to the bottom outer corner thereof.

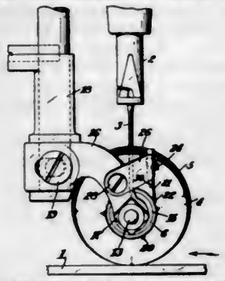
2,156,044
FIXTURE FOR EXTENSION LEAF TABLES
Leon Siev, Brooklyn, N. Y., assignor to the copartnership of Joshua and Leon Siev
Application April 21, 1938, Serial No. 203,231
5 Claims. (Cl. 311—56)



1. A fixture for a table of the type which includes a main board, an extensible leaf having a supporting bar, and side rails dropped to permit the extensible leaf to be slid under the main board and notched for the said supporting bar, said fixture comprising, in combination, a bracket fastened to the said table rail at its said notch, and a lever pivotally mounted in the said bracket, the upper end of the said lever underlying the said supporting bar of the extensible leaf, the said lever being tiltable from an inclined position one side of a vertical plane through the said pivotal axis affording sufficient clearance between the notched rail and the underside of the main table board for retracting the extensible leaf and its said supporting bar, to a substantially erect position in which the said upper end of the lever abuts the supporting bar to maintain the extended leaf flush with the main table board, the second mentioned position being to the other side of the said vertical plane through the pivotal axis and the said bracket being adapted to stop the lever in the second mentioned position, whereby pressure exerted upon the extended leaf has no tendency to lower the leaf.

2,156,045
ROLLER PRESSER BACKSTOP DEVICE FOR SEWING MACHINES
George W. Wesson, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 17, 1938, Serial No. 190,907
5 Claims. (Cl. 112—235)

1. A presser-device for sewing machines, comprising a support, a work-engaging presser-roller rotatably journaled upon said support and annularly provided with serrations, a detent disposed to resiliently engage said serrations and thereby prevent retrograde rotation of said presser-roller, means for supporting said detent against endwise movement, and a backing member disposed to limit resilient movement of said detent in one

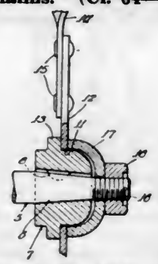


direction in response to a retrograde rotation thrust of said presser-roller.

2,156,046
PAPER WINDOW SHADE CAPABLE OF TRANSMITTING LIGHT UNIFORMLY
Cornelius Anthony Alt, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 11, 1936, Serial No. 110,298
4 Claims. (Cl. 91—67.9)

1. The process of preparing translucent window shades which comprises embossing a strong paper having a thickness of approximately 0.007 inch to simulate woven fabric and thereafter coating the embossed paper with a pigmented cellulose derivative coating composition.

2,156,047
DRIVING CONNECTION
Arthur B. Arnold and Benjamin Spieth, Racine, Wis., assignors to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application March 31, 1937, Serial No. 134,085
5 Claims. (Cl. 64—30)



1. In a device of the class described and in combination, a rotatable shaft, a hub secured thereto, a fan spider mounted on said hub and relatively movable with respect thereto, a cup-like retaining member surrounding a portion of the hub mounted on said shaft and engageable with said spider, and a nut on said shaft directly engaging the retaining member for urging said member against said spider to provide a frictional driving connection between the retaining member and spider.

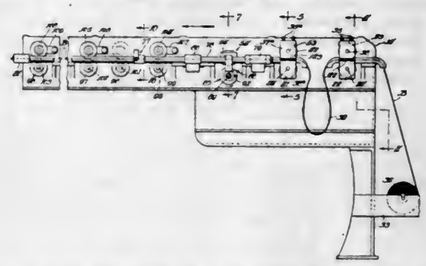
2,156,048
ELECTRIC DISCHARGE DEVICE
Otto Baier and Annemarie Katsch, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application May 13, 1938, Serial No. 207,754
In Germany May 15, 1937
4 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising a discharge vessel composed of different portions, a plurality of electrodes arranged in said vessel,



and leading-in conductors to the various electrodes, each of said leading-in conductors being bail-shaped and sealed to said vessel at two points.

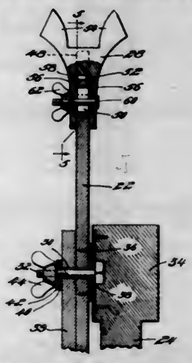
2,156,049
CUT-OFF MACHINE
Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 25, 1937, Serial No. 165,627
11 Claims. (Cl. 164—49)



11. In a machine of the class described, the combination of a frame, elongated substantially parallel guides thereon for guiding an elongated strip of material through the machine, a pair of positively driven feed rolls and a pair of frictionally driven feed rolls of slightly greater diameter than the diameter of said positively driven rolls, said rolls being operative to feed said strip of material to said guides, a rock shaft mounted on said frame at one side of said guides, a stop member mounted on said shaft and adapted to be positioned between said guides and in the path of movement of said strip, a cutter having a movable portion provided with an elongated opening therein adapted to receive said strip of material and positioned between said stop member and feed rolls for severing a portion of said strip, a cam member below said guides operatively related to said movable cutter portion and to an arm on said rock shaft for actuating said stop member to move the stop member into the path of movement of said material, delivery rolls for moving the severed portion of the strip away from the body portion thereof, and means operatively related to said positively driven feed rolls for manually separating said rolls.

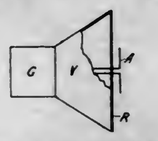
2,156,050
DEVICE FOR BALLING YARN FOR KNITTING OR CROCHETING PURPOSES
Howard H. Brown, Providence, R. I.
Application August 24, 1936, Serial No. 97,603
2 Claims. (Cl. 242—113)

1. A wheel for use in reels and having radial slots therein near the outer edge thereof and radial channels at the outer edge thereof aligned with said slots, skein guides having skein receiving outer ends and having arms projecting radially inwardly therefrom adapted to straddle said radial slots, said arms thus forming grooves between them, with the portions of said guides in radial alignment with said grooves formed between said arms radially adjustably fitting within



said radial channels, and adjustable clamping means connecting said arms together and extending through said radial slots to radially adjustably clamp said guides to said wheel.

2,156,051
ULTRA-SHORT WAVE TRANSMITTER
Karl Christ, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 21, 1936, Serial No. 106,768
In Germany October 24, 1935
1 Claim. (Cl. 250—11)

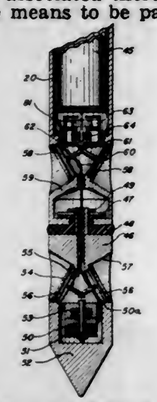


A transmitter for ultra-short wave oscillations comprising a generator, a shielding means enclosing said generator, a radiator, an energy line having a length of $\gamma/4$ or a multiple thereof and interconnecting said generator and said radiator, a reflecting wall located between said shielding means and said radiator in close proximity to the radiator, and a further shielding device which directly connects the outer edges of said reflecting wall and the outer edges of said first shielding means of the generator along straight lines so as to assemble said first shielding means of the generator and said reflecting wall into one single unit.

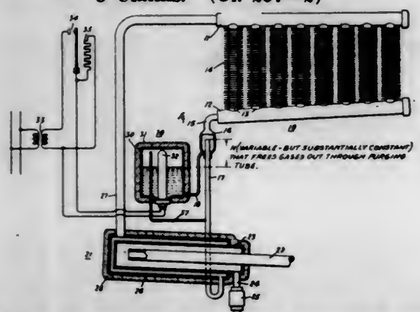
2,156,052
LOGGING DEVICE
Carl W. Cooper, Duncan, Okla., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application April 19, 1937, Serial No. 137,835
2 Claims. (Cl. 181—0.5)

1. Apparatus for logging a well including sound producing means, sound pick-up means and a recorder, said sound producing means and said apparatus including a unitary construction adapted to be lowered into the well and having said sound pick-up means therein, said sound producing means having sound directing means associated therewith to cause the passage of sound vibrations into the formation of the well and said sound pick-up means having sound col-

lecting means associated therewith to cause the sound pick-up means to be particularly responsive to the echo or rebound of the vibrations from the formations of the well.



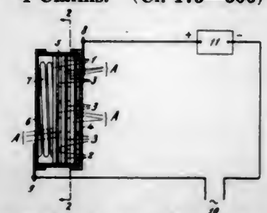
2,156,053
VAPOR HEAT TRANSFER SYSTEM
Marcus E. Fiene, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application April 24, 1937, Serial No. 138,790
8 Claims. (Cl. 237—2)



5. In combination, a partially evacuated vapor heat transfer enclosure having a condenser and a vaporizer interconnected to drain condensate from the condenser to the vaporizer and return vapor to said condenser and provided with a condensate trap below the level of said condenser and above the level of said vaporizer and intercommunicating therewith, a condensate collecting chamber connected in liquid exchange relation with said trap and located at a level below said trap, heating means for vaporizing a variable amount of the condensate in said chambber to provide a vapor pressure differential for controlling the exchange of condensate between said trap and chamber to regulate the amount of fluid in vaporizing and condensing fluid circulation between said condenser radiator and said vaporizer, and a restricted conduit communicating between the upper portion of said chamber and said enclosure and operable in response to said vapor pressure differential for purging non-condensible gas from said control chamber.

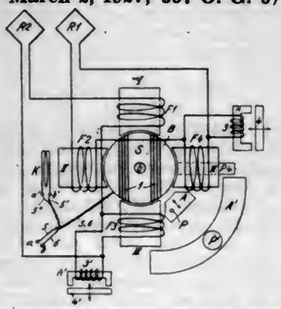
7. In combination, a partially evacuated vapor heat transfer enclosure having a condenser and a vaporizer located below the condenser and connected in vaporizing and condensing fluid circulating relation therewith, a trap connected between said condenser radiator and said vaporizer for receiving condensate from said condenser radiator and supplying condensate to said vaporizer, a condensate accumulating chamber located at substantially the same level as said vaporizer and having a tube extending upwardly from the bottom thereof into communication with said trap, heating means for vaporizing a variable portion of the condensate in said control chamber to set up a pressure differential for regulating the exchange of condensate between said chamber and trap, and means including a relatively large diameter tube extending upwardly from the upper portion of said chamber and a smaller diameter conduit connected with the top of said large diameter tube and extending downwardly into communication with said enclosure for providing syphon action of the vapor condensing therein to purge said control chamber of non-condensible gas.

2,156,054
DRY RECTIFIER
Ottmar Geisler and Heinrich Herrmann, Nuremburg, Germany, assignors to Süddeutsche Apparate-Fabrik G. m. b. H., Nuremburg, Germany
Application July 24, 1937, Serial No. 155,431
In Germany August 3, 1936
4 Claims. (Cl. 175—366)



1. A method of manufacturing dry-rectifier units which consists in applying a semi-conductor layer to a metal plate, then providing this layer with metal projections arranged in groups, and finally cutting the blank formed of such plate, layer and metal projections, into portions each comprising one of these groups.

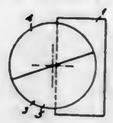
2,156,055
GONIOMETER
Karl Georg Holsten, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application January 25, 1937, Serial No. 122,228
In Germany January 24, 1936
11 Claims. (Cl. 250—11)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. A goniometer having field coils provided

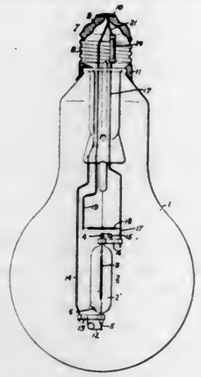
with cores of high frequency iron and having their windings perpendicularly related to one another, and seeker coils likewise having cores of high-frequency iron and being rotatably mounted in the field of said first mentioned coils, said field coils being connected to directive antennas, and said seeker coils being associated with a high frequency device.

2,156,056
METHOD OF PRODUCING CARRIER FREQUENCIES
Heinrich Hornung, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof (Germany), Lorenzweg
Application July 8, 1936, Serial No. 89,682
In Germany July 17, 1935
3 Claims. (Cl. 175—41.5)



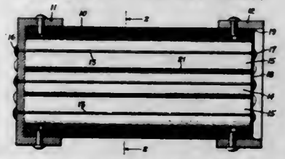
3. A condenser comprising two metallic coatings and a dielectric having a part of positive temperature coefficient and a part of negative temperature coefficient, said dielectric being adjustably positioned so that the proportion of positive to negative temperature coefficient material between said coatings may be varied to give the condenser a desired temperature coefficient.

2,156,057
ELECTRIC LAMP
Hermann Krefft, Berlin-Friedrichshagen, and Kurt Larché, Berlin-Tempelhof, Germany, assignors to General Electric Company, a corporation of New York
Application April 7, 1938, Serial No. 200,760
In Germany April 30, 1937
7 Claims. (Cl. 176—16)



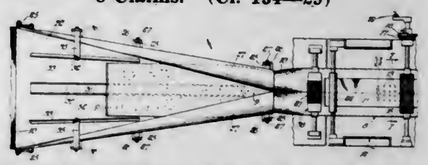
1. In combination, an electric lamp comprising an envelope, a metallic filament sealed therein, and a quantity of vaporizable metal within said envelope, and a starting device for said lamp comprising a starting resistance connected in series with said filament and a second resistance, having a negative temperature coefficient, connected in parallel with said starting resistance to thereby short circuit the latter during operation of the lamp.

2,156,058
ELECTRIC PROTECTIVE DEVICE
Karl A. Lohausen, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application April 4, 1938, Serial No. 199,948
In Germany April 10, 1937
10 Claims. (Cl. 200—120)



1. In an electric protective device of the expulsion type, a tubular casing of relatively strong construction having spaced terminals associated therewith, means providing in said casing a plurality of substantially parallel extending expulsion chambers having wall portions yieldable under high pressure, and means electrically in parallel arranged so as to produce arcs respectively in said chambers, said chambers being operative to interrupt therein arcs of relatively low current magnitude, and said yieldable wall portions being operative under pressures incident to arcs of relatively large current magnitude to afford effective enlargement of the arc gas expansion space.

2,156,059
MATTRESS BORDER FORMING DEVICE
Max Marsack, Milwaukee, Wis., assignor, by mesne assignments, to Marsack Patents Corporation, Milwaukee, Wis., a corporation of Delaware
Application January 13, 1937, Serial No. 120,424
8 Claims. (Cl. 154—29)

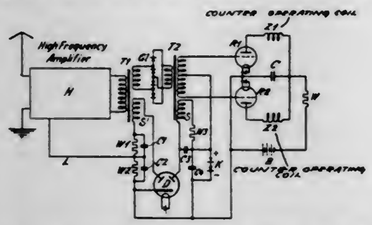


1. In a device for forming mattress borders, the combination of folding means for the casing material thereof, comprising a pair of vertically spaced guide plates of substantially like dimensions adapted to receive the casing material therebetween, oppositely disposed folding horns adjacent the opposite edge portions of said plates and extending inwardly to positions closely adjacent each other at the delivery end of the horns and providing channels for receiving the respective edge portions of said casing material, means for supplying a padding material between said horns, and means for drawing the casing material between said plates and through said horns and channels for folding the opposite edge portions of the casing material inwardly to positions adjacent each other and in a manner to surround said padding material.

2,156,060
SYSTEM FOR DETERMINING POSITIONS BY RADIO BEACONS
Ernst Müller, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application December 8, 1936, Serial No. 114,748
In Germany December 12, 1935
12 Claims. (Cl. 250—11)

1. A receiver for the reception of signal modu-

lated high frequency waves radiated from a transmitter which produces a rotating radiation pattern in one region of which signals of a first kind, such as dots predominate, and in another region of which signals of a second kind, such as dashes predominate; said receiver having means to derive separate counting impulses corresponding to said kinds of signals for determining the nu-



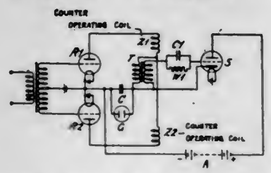
merical difference between the said signals and including a plurality of grid controlled gas discharge tubes having a balanced divided input circuit and a divided output circit; and means for regulating the ignition points of said tubes under control of the received signals to prevent disturbing impulses interfering with the proper counting of said signals.

2,156,061

SYSTEM FOR DETERMINING POSITIONS BY RADIO BEACONS

Ernst Müller, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application December 17, 1936, Serial No. 116,335
In Germany December 20, 1935
7 Claims. (Cl. 250—11)



1. A counting device for counting signals of different kinds, said counting device comprising a radio signal receiver containing the following instrumentalities; means for separately counting said signals, electronic discharge tubes in push-pull connection, a condenser in an anode circuit common to said tubes, circuit connections to discharge the condenser by received signals, an electronic control tube to control the charging of the condenser, and means for influencing said control tube by the condenser discharge impulses.

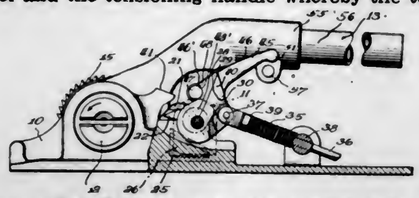
2,156,062

TENSIONING TOOL

Howard C. Porter, Chicago, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware

Application November 20, 1937, Serial No. 175,551
15 Claims. (Cl. 254—51)

1. A tensioning tool for flexible binders comprising a windlass upon which one end of the binder may be wound to tension the same; a gripper for anchoring the other end of the binder, said gripper being movable to a closed position to engage and hold the binder and to an open position to release and receive the binder; a gripper control for moving the gripper to open position; a tensioning handle for actuating the windlass; and an interlock between the gripper control and the tensioning handle whereby the ten-



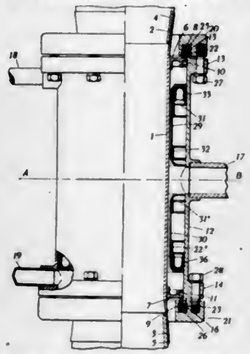
sioning handle may open the gripper and the gripper control will arrest movement of the tensioning handle.

2,156,063

ELECTRON DISCHARGE DEVICE PROVIDED WITH A COOLING JACKET

Guy Rabuteau and Georges Paul Chevigny, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

Application September 9, 1936, Serial No. 99,934
In France October 31, 1935
5 Claims. (Cl. 250—27.5)



1. An electron discharge device having an external anode formed with an external flange, a wall encompassing said anode and having an edge placed adjacent the edge of said flange, a ring formed with a recess filled with packing material and so placed that said packing material extends on both sides of and covers the edges of said flanges and said wall, means for pressing said ring upon said edges, and means for circulating cooling fluid between said wall and said anode.

2,156,064

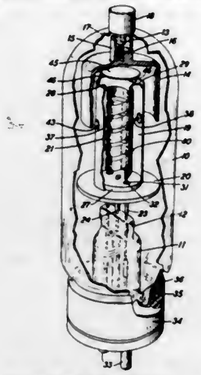
ELECTRONIC DISCHARGE DEVICE

Victor L. Ronci, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 6, 1936, Serial No. 88,999
10 Claims. (Cl. 250—27.5)

10. An electronic discharge device comprising an enclosing vessel having a stem, a standard extending from said stem, a cup-shaped cylindrical heat shield supported by said standard, a double spiraled cathode element coaxially positioned in said heat shield, leading-in wires in said stem connected to the ends of said element adjacent one end of said heat shield, said heat shield having spaced indentations on its circumference, insulating bushings seated in said indentations, radially extending braces projecting from said cathode element through said bushings, and

a dome-shaped mass of insulating material em-



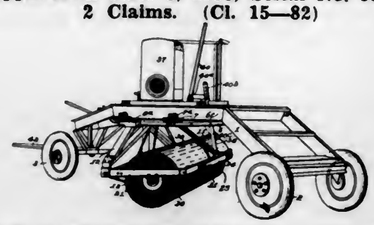
bracing the end of each brace, said mass securing said bushings and braces to said shield.

2,156,065

SWEEPING MACHINE

Jesse R. Royer, Janesville, Iowa

Application June 3, 1936, Serial No. 83,223
2 Claims. (Cl. 15—82)



1. In a sweeping machine, in combination, a main frame, said main frame having rigidly connected channel bar side beams with outwardly directed flanges, a ring below said beams having mounted thereon trolley wheels ridable along the lower flanges of the beams, means for shifting said ring to and fro along said beams, comprising a hand-lever having an end pivoted to one side frame beam, a rigid bar link pivotally connected at opposite ends to said ring and to a medial part of the hand-lever respectively, socket members at the end of said frame and on one side beam respectively to receive the hand-lever in either when removably sprung thereinto to secure the ring in either of longitudinally adjusted positions on the main frame, a sub-frame comprising rigid hangers having upper terminations rockably mounted on the ring, releasable locking means for securing the hangers as adjusted on the ring, a pair of alined rotary brushes supported pivotally independently on the hangers, adjusting means movably mounted on the main frame and pivotally to the lower ends of the hangers including bearing members for the shafts of the brushes for differentially supporting the brushes, a motor on the main frame, and driving connections between the motor and the respective brushes for rotating the brushes independently.

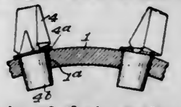
2,156,066

ICE REMOVING DEVICE

Jesse R. Royer, Janesville, and Alfonso W. Blaine and Le Roy R. Weir, Des Moines, Iowa

Application April 7, 1937, Serial No. 135,442
2 Claims. (Cl. 262—19)

1. In combination, an ice removing device, said device including a rotatable hollow drum having a plurality of inwardly coned apertured seats in staggered relation circumferentially, and a like plurality of tooth devices having conic stems fitted rockably in said seats and having heads projecting outwardly from the drum, said heads being wedge-shaped and wider than the stems,



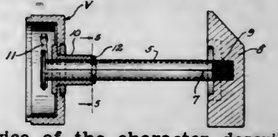
and with certain of their wedge parts relatively inclined with respect to the other associated wedge parts, whereby the opposed wedge parts cooperate in penetrating ice in different directions along the drum to shatter and dislodge the ice traversed for ready removal.

2,156,067

CONTROL DEVICE

Harry W. Rubinstein, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware

Application April 30, 1937, Serial No. 139,974
2 Claims. (Cl. 287—53)



1. A device of the character described comprising a shaft having one end thereof split and provided on its surface within the region of said split with a plurality of longitudinally extending splines, a knob having a socket to receive said split end portion of the shaft, integral longitudinally extending splines on the inner peripheral wall of the socket corresponding to the splines of the peripheral surface of the shaft, the diameter of said socket being slightly less than the external diameter of said split end portion of the shaft, the shaft sections on opposite sides of the split being adapted to be pressed toward each other against the inherent resiliency of the shaft when forced into the socket whereby to establish a positive driving connection between said knob and shaft and to releasably hold the knob against axial displacement on the shaft.

2,156,068

GASEOUS ELECTRIC DISCHARGE LAMP

Alfred Ruttenauer and Otto Fritze, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application July 8, 1938, Serial No. 218,236
In Germany July 29, 1937
4 Claims. (Cl. 176—126)



1. A gaseous electric discharge lamp compris-

ing a tubular glass envelope, a cup-shaped metallic base member fused at its rim to each end of said envelope, a cup-shaped insulating body located within said base member, and an electrode located wholly within said insulating body and electrically connected to the adjacent surrounding base member.

2,156,069

PROCESS OF DYEING ARTIFICIAL TEXTILE MATERIALS FROM CELLULOSE DERIVATIVES

Paul Schlack, Berlin-Treptow, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 23, 1937, Serial No. 165,334. In Germany September 30, 1936

5 Claims. (Cl. 8—48)

1. A process of dyeing textile materials comprising an organic hydrophobe cellulose derivative and having incorporated and fixed therein at least one hydrophil polymeric component selected from the group consisting of polymerized vinyl ethers, polymerizates and mixed polymerizates containing α-β-unsaturated acids, mixed polymerizates from maleic acid anhydride and vinyl compounds, alkyd resins containing free acid groups, ester-acids of polymeric hydroxy-compounds, polymerizates of the vinyl series containing basic nitrogen, basic amides of polymerized acrylic acids, polymeric alkylene imines, and mixtures of these substances—which process comprises treating said material with an azo- and a diazo-component of which at least one has insufficient affinity for said acid hydrophobe cellulose derivative.

2,156,070

SEPARATION OF TERTIARY OLEFINS FROM GAS MIXTURES

Georg Stern, Neckargemund, and Wilhelm Friedrichsen, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application July 10, 1937, Serial No. 153,004. In Germany July 18, 1936

5 Claims. (Cl. 260—663)

1. A process for the separation of tertiary olefins from gas mixtures containing the same which comprises treating such mixtures with a gaseous hydrogen halide at a temperature between about 50° and about 120° C. and in the presence of a solid halide of a metal selected from the group of barium and magnesium, the tertiary olefins thereby being converted into the corresponding tertiary alkyl halides, and then removing the latter from the remaining gas mixture.

2,156,071

SULPHUR DYES FROM HYDROXY-DIARYLAMINES

George Clifford Strouse, East Aurora, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1937, Serial No. 160,825

10 Claims. (Cl. 260—134)

1. The compound obtainable by aerating a thionated p-hydroxy-diphenylamine in a water solution containing the thionation reaction medium and a solution alkaline with one of the group consisting of the alkali metal hydroxides and the alkali metal carbonates, until the sodium sulphide from the thionation reaction medium is oxidized, a compound is precipitated which is insoluble in said alkaline solution and said precipitated compound is changed into a product which is rapidly oxidizable by air-oxidation on fibre that is dyed with said product from a sodium sulphide bath.

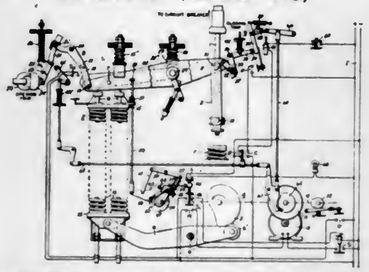
2,156,072

OPERATING MECHANISM

Carl Thumim, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application September 30, 1936, Serial No. 103,317

14 Claims. (Cl. 175—375)



8. Operating mechanism for an electric circuit breaker comprising spring structure adapted to store energy for opening and closing said circuit breaker, motor operated means for charging said spring structure, said spring structure including a movable carriage restrained during said charging operation, means operatively interconnecting said carriage and circuit breaker, tripping means for releasing said carriage in successive stages for closing and opening said circuit breaker respectively, a brake operatively connected to said motor operated means, a member interconnecting said carriage and brake and having limited free movement with respect to said carriage, a switch for controlling actuation of said motor operated means operatively connected to said member, and a cam operatively connected to said motor operated means coacting with said brake, said carriage in response to the breaker opening release thereof causing actuation of said member to release said brake and closing said switch, and said cam causing application of said brake in accordance with subsequent predetermined charging of said spring structure.

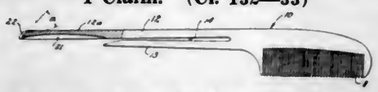
2,156,073

HAIR CURLING DEVICE

Frank C. Wallace and Arthur A. Leisy, Los Angeles, Calif., assignors to Hair Accessories Inc., Los Angeles County, Calif., a corporation of California

Application June 13, 1938, Serial No. 213,405

1 Claim. (Cl. 132—33)



A hair curling device formed as an integral body of resilient molded material and comprising an elongated curling arm having a handle portion at one end and a hair pin carrying portion at the other end, a hair clamping portion consisting exclusively of a simple and substantially straight arm shorter than the curling arm extending from said handle portion along the portion of said curling arm which is adjacent the handle portion, said hair pin carrying portion being provided with a longitudinally extending groove adapted to receive substantially the whole length of one leg of a hair pin, the side walls of the groove being so spaced apart as to lie closely adjacent the edges of said leg whereby to prevent swinging of the latter when the pin is applied to said carrying portion, said carrying portion being provided also with an end formation adapted to spread the two legs of the applied pin so that substantially the whole length of the other leg of the pin projects along said carrying portion with its free end spaced outwardly of the latter and longitudinaly spaced from the curl winding zone of said arm so as not to interfere during the curling operation while yet adapted to catch the curl as the arm is slipped out of the curl.

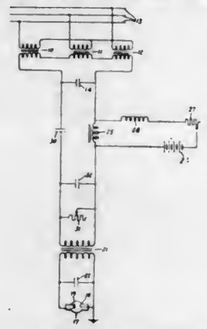
2,156,074

ENERGIZING CIRCUIT FOR UNILATERALLY CONDUCTING DEVICES

Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 1, 1938, Serial No. 188,097

4 Claims. (Cl. 250—102)



1. In combination, a unilaterally conducting load device, a source of alternating voltage for energizing the device, and means for selectively diminishing the voltage impressed on the device during its non-conductive periods, said means including a saturable core reactor in circuit with the said source and device and means for assuring a high degree of saturation of said core during conducting periods of the device and a lesser degree of saturation during non-conducting periods thereof.

2,156,075

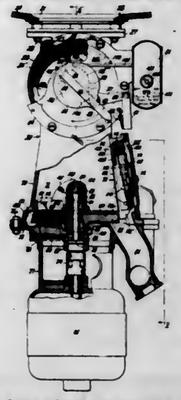
KITCHEN WASTE UNIT

Adalbert Alexay, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 27, 1936, Serial No. 71,156

54 Claims. (Cl. 146—192)

1. In an apparatus for grinding garbage and other waste material, a casing defining a grinding chamber and having an opening for the feeding of such material to said chamber, means for mounting the casing beneath a kitchen sink or like structure with said opening in registry with an opening provided in said structure, grinding means in said chamber, means for operating the grinding means, said casing opening providing manual access to said chamber and grinding means for the removal of unground material, a receptacle movably mounted in said casing adjacent said casing opening for movement into a plurality of positions including a position in which the receptacle provides a depository for garbage or other waste material and another position for



emptying the deposited material into the grinding chamber, and means operative upon movement of the receptacle into certain of said plurality of positions for blocking said casing opening to prevent the feeding of material and manual access to said chamber.

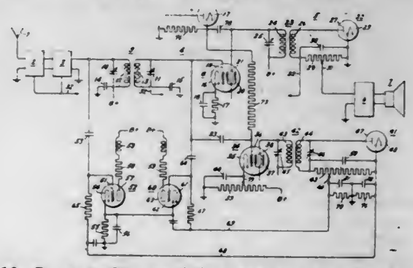
2,156,076

AUTOMATIC FIDELITY CONTROL

James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 17, 1935, Serial No. 45,388

10 Claims. (Cl. 179—171)



10. In a radio receiving system a pair of electron discharge devices, a coupling therebetween comprising a pair of oscillatory circuits tuned to a desired frequency, and means all of whose component parts are fixed with respect to each other for increasing the capacity of one oscillatory circuit and simultaneously decreasing the capacity of the other oscillatory circuit in response to an increase in intensity of the currents in said oscillatory circuits.

2,156,077

AUTOMATIC SELECTIVITY CONTROL

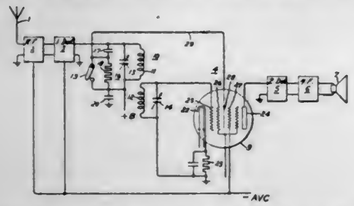
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 22, 1936, Serial No. 106,977

7 Claims. (Cl. 179—171)

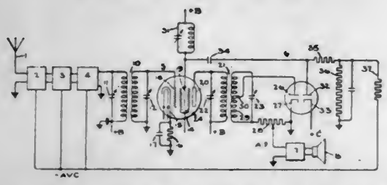
1. In combination, a plurality of coupled circuits tuned to the same frequency arranged to transmit a signal, means for varying the effective coupling between said circuits comprising a phase

shifting network associated with one of said circuits and a single electron discharge device hav-



ing means for amplifying the signal voltage and separate means for supplying feedback voltage to said phase shifting network.

2,156,078
RADIO RECEIVING APPARATUS
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 17, 1936, Serial No. 116,396
8 Claims. (Cl. 250—20)



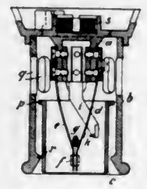
1. In radio receiving apparatus, the combination of an electron discharge amplifier having a cathode, a control grid, a main anode and an auxiliary anode, means for supplying a signal voltage to said main control grid, means in circuit with said main anode for producing an audio frequency and separate means including a diode detector controlled by the output of said auxiliary anode for producing an automatic volume control voltage.

2,156,079
ELECTRICAL DISCHARGE DEVICE
James E. Beggs, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 17, 1936, Serial No. 116,397
4 Claims. (Cl. 250—27.5)



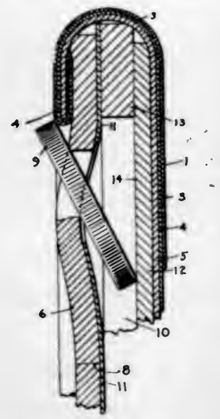
4. An electrical discharge device comprising an evacuated envelope enclosing a cathode and a main anode surrounding the same, a first control grid, an auxiliary anode, and a second control grid interposed between the cathode and anode in the order named, said auxiliary anode being positioned out of the principal discharge path between the cathode and main anode, a screen grid between the first control grid and the auxiliary anode, and another screen grid between the second control grid and the main anode, the auxiliary anode being directly exposed to the second control grid.

2,156,080
ALARM DEVICE
Friedrich Brinkmann, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application May 6, 1936, Serial No. 78,193
In Germany May 10, 1935
6 Claims. (Cl. 200—142)



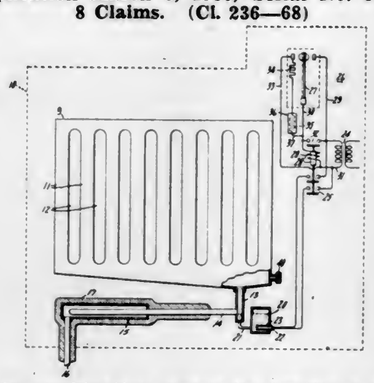
1. A fire alarm fuse box comprising a vertically disposed shell open at its lower end, a tubular member contained in said shell, a cross bar within this tubular member and rigid therewith, contact springs projecting into said tubular member through the upper end thereof, a fusible body inserted over the free ends of the contact springs to hold said ends together, the contact springs embracing the said cross bar so as to support said tubular member, a stationary contact, one of said contact springs having a normal tendency to move towards said stationary contact and being normally held from engagement therewith by said fusible body, the free ends of said spring supporting said tubular member within the shell against gravity.

2,156,081
BANK PLAQUE
John V. Cavalero, Bloomfield, N. J.
Application August 24, 1937, Serial No. 160,609
5 Claims. (Cl. 229—92.9)



1. In a bank, a metal backing having its edges turned over, a flexible member held away from said backing to form a coin receiving chamber, said flexible member having a coin slot near the top end thereof and windows below said slot and a transparent member clamped between the turned over edges of said metal backing and said flexible member and covering said windows to prevent the removal of the coins in said chamber.

2,156,082
COMPENSATED PRE-HEAT COIL
Harry R. Crago, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application March 5, 1936, Serial No. 67,299
8 Claims. (Cl. 236—68)

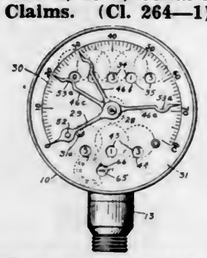


1. In combination, means for heating a space, an auxiliary electric heater and a space temperature responsive thermostat for placing both of said heaters in operation upon a call for heat, the auxiliary heater being arranged to heat the thermostat locally, and a high temperature coefficient resistance in series with said auxiliary heater for varying the effect of the auxiliary heater on said thermostat.

2,156,083
ADHESIVE COATED TAPE
Harold R. Dalton, Ridgefield, N. J., assignor to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York
No Drawing. Application April 2, 1935, Serial No. 14,269
7 Claims. (Cl. 91—68)

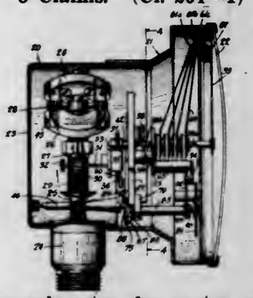
1. The method of protecting the water-soluble adhesive coating of paper, cloth or the like comprising the following steps: applying the adhesive coating to the paper cloth or the like in moist condition, and subsequently applying a film of metallic soap to the coating before it is dry, and drying the film covered coating.

2,156,084
SPEEDOMETER FOR MOTOR VEHICLES
Edward V. Dardani, Southport, Conn.
Application June 4, 1934, Serial No. 728,951
16 Claims. (Cl. 264—1)



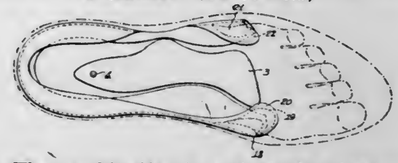
1. In a speedometer for motor vehicles, the combination of means responsive to the speed of the vehicle; a plurality of indicators; and means for causing said indicators to be automatically periodically set seriatim directly to positions controlled by said speed responsive means in accordance with the speed of the vehicle as the latter decelerates to indicate the speeds at periods during deceleration.

2,156,085
SPEEDOMETER
Edward V. Dardani, Southport, Conn.
Application July 16, 1937, Serial No. 153,947
8 Claims. (Cl. 264—1)



1. In a speedometer for motor vehicles, the combination of means responsive to the speed of the vehicle for indicating the maximum speed attained by the vehicle; means including a pawl for holding the indicator in maximum position; and means actuated by said speed-responsive means for releasing the pawl and resetting the indicator after the vehicle has resumed travel a predetermined distance after stopping.

2,156,086
ORTHOPEDIC SHOE
Morton Hack and David R. Brady, Detroit, Mich., assignors to Hack Shoe Co., Detroit, Mich., a corporation of Michigan
Application March 30, 1935, Serial No. 13,844
3 Claims. (Cl. 36—8.5)

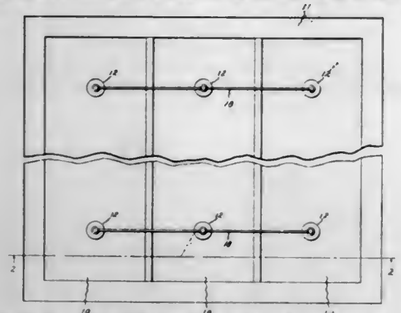


1. The combination in a shoe of a shoe upper and a comparatively stiff foot supporting means adjacent the interior surface of the upper, said foot supporting means comprising a heel encircling portion having an integral forward extension for supporting contact at its forward end portion with the outside of the foot of a wearer at the region immediately forwardly of the tuberosity of the base of the fifth metatarsal bone and providing space for said tuberosity, and terminating with its forward edge immediately in the rear of the intended position of the head of the fifth metatarsal bone.

2,156,087
ILLUMINATION
Ward Harrison, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application March 6, 1936, Serial No. 67,451
1 Claim. (Cl. 240—9)

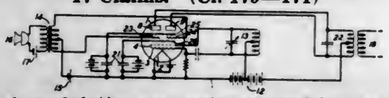
A room lighting arrangement comprising a concave light concentrating trough having a reflecting surface and located at the ceiling, a plurality of light sources disposed adjacent the

focal line of said trough, and a reflector disposed under each of said light sources and adapted to direct light upward to said trough from which it is redirected downward each of said reflectors



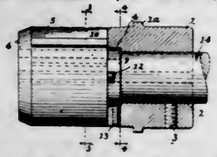
having an upwardly extending lip on each side thereof in the longitudinal direction of said trough for confining the light from the light source located therein to a definite portion of said trough.

2,156,088
MULTIELEMENT ELECTRON DISCHARGE APPARATUS AND SYSTEM
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1936, Serial No. 58,653
17 Claims. (Cl. 179—171)



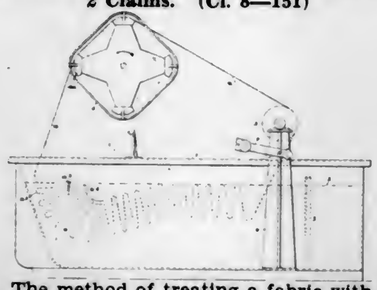
2. A modulation apparatus comprising an electron discharge device having three electrodes including a cathode and two foraminate electrodes, means for polarizing one of the foraminate electrodes to cause it to serve as an anode, external paths connecting each of the foraminate electrodes to the cathode, means for coupling the external paths to cause oscillations to be produced, a pair of coplanar modulating grids and a pair of coplanar anodes included within the device, means for impressing modulating electromotive forces in push-pull fashion between the coplanar grids, and a path connecting the coplanar anodes and including means for deriving modulated currents therefrom.

2,156,089
CHUCK
Maurice G. Hinnekens, Paterson, N. J.
Application May 26, 1937, Serial No. 144,868
2 Claims. (Cl. 242—68)



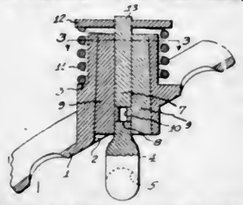
1. In a chuck, the combination, with a unitary structure including a cylindrical body having an exteriorly peripherally open slot extending from end to end of the body, a supporting member closing one end of the slot and having an axial bore closed at one end by said body and open at the other end and adapted to receive the end of a driving shaft, and a disk coaxial with the body and closing the other end of the slot, and means arranged eccentrically of the bore and common to and rigidly securing said body, disk and member together, of a dog arranged in the slot and pivoted in such structure eccentrically of the body and formed to project from the slot when turned in one direction.

2,156,090
METHOD OF TREATING FABRICS
Maurice G. Hinnekens, Paterson, N. J.
Application July 1, 1937, Serial No. 151,346
2 Claims. (Cl. 8—151)



1. The method of treating a fabric with liquid which consists in delivering the fabric downwardly into the liquid and progressively forming the fabric therein into reverse pleats having returns which on the one hand are less acute than on the other, whereby the pleat-succession so formed in the liquid will therein veer off toward the direction in which the more acute bends project, and simultaneously pulling the fabric from the liquid at a point relatively in advance of the pleat-succession.

2,156,091
AUTOMOBILE VISOR BRACKET
Rex C. Jacobs, Detroit, Mich.
Application June 16, 1937, Serial No. 148,550
3 Claims. (Cl. 248—288)

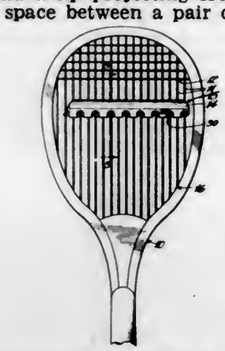


2. In a glare shield mounting device, an arm for pivotally supporting the glare shield, said arm having an end portion provided with flattened sides and having a transverse aperture opening at its opposite ends through said sides, a pair of bearing members engaging respective sides of said end portion and having opposed pintles pivotally received in opposite ends of said aperture, a supporting member having a socket receiving said bearing members, said bearing members being pivotally supported in said socket, and means to retain said bearing members in said socket.

2,156,092
SHED-FORMING DEVICE
Andrew Johnson, Chicago, Ill.
Substituted for abandoned application Serial No. 95,105, August 10, 1936. This application November 22, 1938, Serial No. 241,857
4 Claims. (Cl. 139—33)

1. A device of the class described comprising an elongated member having spaced depending

fingers located substantially in the plane of said member, and a lip projecting from each finger across the space between a pair of fingers, said

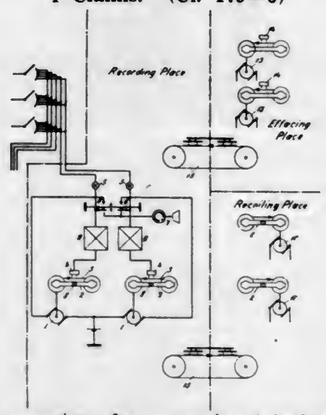


lips being located substantially in a plane which is offset from the plane of said member, the free end of each lip terminating short of the adjacently disposed finger.

2,156,093
PROCESS OF PREPARING VINYL ESTERS
Heinrich Lange and Otto Dorrer, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 20, 1936, Serial No. 64,931. In Germany February 28, 1935
8 Claims. (Cl. 260—498)

1. The process which comprises acting with acetylene upon aliphatic monocarboxylic acids other than acetic acid in the presence of a mercury compound promoting the reaction with addition of borontrifluoride-acetic acid.

2,156,094
METHOD OF REPRODUCING TELEPHONIC COMMUNICATIONS
Rudolf Milde, Berlin-Lankwitz, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application March 12, 1935, Serial No. 10,619
In Germany January 30, 1935
4 Claims. (Cl. 179—6)

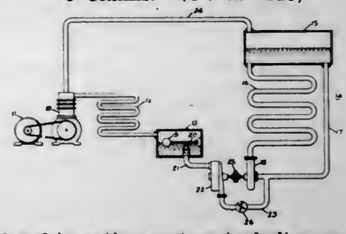


1. In a system for conveying telephone messages between subscribers in a delayed manner, a plurality of subscribers' lines extending to a central exchange, a plurality of magnetic recorders at the exchange, a plurality of flexible ferrous bodies for receiving recording from said recorders in the form of lasting magnetizations, an operator's switchboard position having a control device thereat, selective switching means for connecting any of said lines to a selected one of said recorders, connections for controlling said recorder from said device, separate reproducing mechanisms for reproducing the recordings from said bodies, means for selectively connecting said reproducing mechanism with a selected one of said lines, and effacing means for effacing the lasting magnetizations from the bodies after reproduction of the message.

2,156,095
PRODUCTION OF CONDENSATION PRODUCTS FROM HYDROGEN SULPHIDE AND ACETYLENE
Walter Reppe and Fritz Nicolai, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 1, 1935, Serial No. 34,294. In Germany August 2, 1934
7 Claims. (Cl. 260—609)

1. The process of producing condensation products from hydrogen sulphide and acetylene which comprises reacting acetylene with hydrogen sulphide in the presence of an aliphatic, water-soluble, liquid solvent selected from the group consisting of polyhydric alcohols and their ethers containing at least one free hydroxyl group and in the presence of a metal sulphide catalyst.

2,156,096
REFRIGERATING MACHINE
Manuel G. Robinson, Glen Ridge, N. J., assignor to General Electric Company, a corporation of New York
Application December 4, 1937, Serial No. 178,133
6 Claims. (Cl. 62—115)

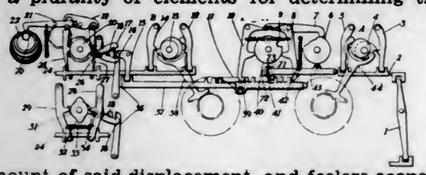


1. A refrigerating system including means for supplying compressed refrigerant, an evaporator of the flooded type having a header and a depending refrigerant circulating conduit communicating with said header, means including a pump for circulating liquid refrigerant through said conduit, means including a fluid motor for expanding said compressed refrigerant and for driving said pump, means for supplying to said evaporator refrigerant expanded in said motor, and means for withdrawing gaseous refrigerant from said header.

2,156,097
CIPHERING AND DECIPHERING MECHANISM
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company, Limited, Croydon, England
Application July 11, 1935, Serial No. 30,852
In Great Britain August 17, 1934
18 Claims. (Cl. 197—4)

1. Ciphering or deciphering apparatus in which successive characters of a message are displaced

by different amounts in an alphabetical scale comprising a set of coding means, each consisting of a plurality of elements for determining the



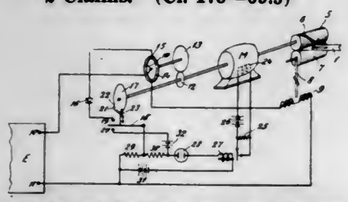
amount of said displacement, and feelers cooperating with said elements for effecting said displacement.

2,156,098

METHOD OF TRANSMITTING CHARACTERS

Wilhelm Scheppmann, Berlin-Neutempelhof, and Christian Wisspeintner, Berlin-Charlottenburg, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 11, 1935, Serial No. 30,916
In Germany July 16, 1934
2 Claims. (Cl. 178—69.5)



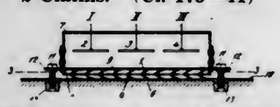
1. In a system for transmitting written signs by transmitting a series of short picture impulses which when received build up a representation of the signs, using a continuously operating variable speed direct current motor at the receiver, a glow discharge lamp connected to a voltage source, and means driven by the motor for recording the signs, the method comprising normally maintaining said motor speed at a predetermined value, sending synchronizing impulses in the interval between the transmission of said picture impulses, and changing said motor speed to approach a different predetermined value in response to the received synchronizing impulses, characterized in changing the speed of the motor for an interval dependent upon the departure from synchronism of said motor by causing said synchronizing impulses to ignite said glow discharge tube.

2,156,099

CONDENSER

Wilhelm Scheppmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 16, 1937, Serial No. 154,020
In Germany July 16, 1936
2 Claims. (Cl. 175—41)



1. A multiple blocking capacity arrangement for use at very high frequencies, which comprises a condenser unit having a casing one portion of which constitutes a common condenser plate and having a plurality of individual condenser plates each mounted in fixed cooperative relation with respect to said common plate to form a multiple condenser unit, a grounded conductive sheet separate from said unit and serving as a support therefor, means for mounting said condenser unit on said conductive sheet with said portion of said casing adjacent said sheet, and an interconnecting plate clamped between said sheet and said portion of said casing and having on each side thereof a plurality of closely spaced resilient tongues, said tongues elastically contacting said sheet and said portion of said casing to provide a plurality of direct connections therebetween.

2,156,100

PLANOGRAPHIC PRINTING PLATE AND METHOD OF MAKING THE SAME

Francis L. Simons, Montclair, N. J.

No Drawing. Application August 24, 1936, Serial No. 97,598. Renewed September 26, 1938
13 Claims. (Cl. 101—401.1)

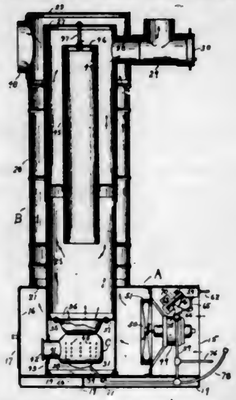
1. A planographic printing plate adapted for use in lithographing, comprising a backing sheet composed of a material which is substantially non-stretching when subjected to the lithographing process, said sheet having thereon a flexible, substantially water-insoluble coating including an insoluble residue resulting from the reaction of a basic salt with other ingredients of the coating.

2,156,101

RECIRCULATING HEATING DEVICE

William M. Willett and George T. Markey, Fort Atkinson, Wis., assignors to James Mfg. Co., Fort Atkinson, Wis.

Application May 25, 1936, Serial No. 81,602
5 Claims. (Cl. 126—110)



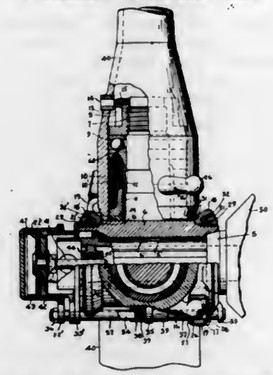
1. An air circulating and heating device of the class described, comprising in combination, a horizontally extended base having an air inlet at one end and a vertically extended elongated housing positioned on the other end and being adapted to thereby form an L-shaped air chamber, an air outlet at the top of said housing, a uniform chimney centrally positioned in said housing and adapted to extend from the top of the housing to the bottom of said base, forming an air passageway therearound from its bottom to said air outlet, an outlet duct in the top of said chimney being adapted for the escape of burnt gases to the exterior of said housing, a burner in the bottom of said chimney having means to thereby form a closed compartment therefor, a passageway from the exterior of said chimney to the interior of said burner having a removable closure, an adjustable air passageway in the wall of said burner compartment, an access door in said base being positioned adjacent said burner passageway, a uniform tube positioned in the upper end of said chimney and extending from near the top of the chimney to within a relatively short distance from the outlet of said burner, the upper end of said tube being closed and the bottom being open, a relatively small orifice in the top of said tube thereby to permit a limited volume of burnt gases to pass through said tube and into the top of said chimney.

2,156,102

PROPELLER

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application July 8, 1935, Serial No. 30,301
7 Claims. (Cl. 170—162)



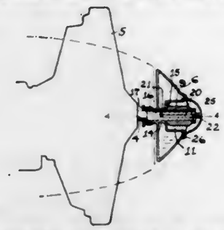
1. An aerial vehicle having an adjustable pitch propeller, means for adjusting the pitch of the propeller responsive to speed, means including a clutch for selectively securing the adjustment, a fluid operated jack means including a cylinder and a piston, the piston having a tubular stem for conveying fluid to the interior of the cylinder, operator's control means including a valve for permitting fluid to pass through the stem to extend the cylinder, and means for operating the clutch by action of the jack.

2,156,103

SPRAYING DEVICE FOR AIRPLANE PROPELLERS

Harvey D. Austin, Akron, Ohio, assignor to Bendix Aviation Corporation, a corporation of Delaware

Application December 27, 1935, Serial No. 56,325
15 Claims. (Cl. 244—134)



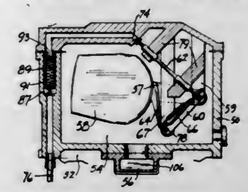
2. In an aircraft an engine, a propeller including blades having front and rear faces secured to said engine for rotation thereby, a liquid storage means associated with the engine for rotation with said propeller, and liquid leads extending from said storage means to the blades of said propeller adapted to feed a liquid from said storage means to the front faces of the blades of said propeller.

2,156,104

VACUUM FUEL FEED DEVICE

Frederik Barfod, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application January 9, 1935, Serial No. 1,035
2 Claims. (Cl. 103—236)



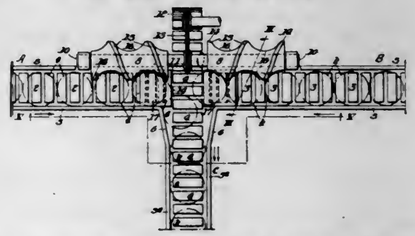
1. In a device of the class described, a variable level fuel chamber, a source of fuel communicating with the chamber below the lowest fuel level thereof, a source of suction, passages connecting said chamber with said source of suction and with atmosphere, valves in said passages, a float pivotally mounted in said chamber, and mechanism connecting said float with said valves comprising an oscillating member pivoted at one end and having its free end connected to the valves, a movable member fixed to the float and movable to opposite sides of the pivot of said oscillating member, and a tension spring connecting the movable member to the free end of the oscillating member.

2,156,105

CONTAINER CONVEYER AND DISTRIBUTOR

Christian N. Bergmann, Pittsburgh, Pa., assignor of two-sixths to Charles M. Clarke, Sewickley, Pa.

Application February 16, 1937, Serial No. 126,004
11 Claims. (Cl. 198—32)



1. In combination, a delivery conveyer, a pair of relatively slower feeding conveyers leading thereto, and rotatable unit-movement-controlling spiral conveyers each located adjacent to the junction of said conveyers and each in operative relation to one of the feeding conveyers.

2,156,106

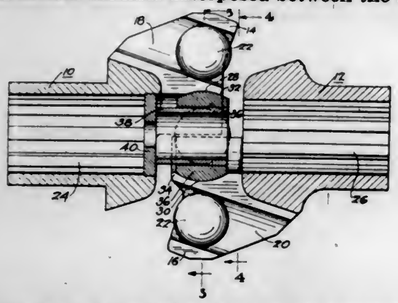
UNIVERSAL JOINT

George W. Bill, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application September 21, 1937, Serial No. 164,946
14 Claims. (Cl. 64—9)

1. A universal joint having a pair of body members including transversely extending grooves, torque transmitting means between the body

members, and locking means including a generally spherical member interposed between the body



members and received within the transversely extending groove of each body member to hold the joint in the assembled relation.

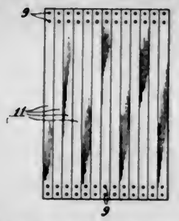
2,156,107

PAINTED HOOP AND METHOD OF MAKING IT

Joseph H. Bowman, Pittsburgh, Pa.

Application November 4, 1935, Serial No. 48,178

2 Claims. (Cl. 153—2)



1. The method of making painted metal hoops, comprising painting one face of a metal sheet with a material that has a tacky surface when dry and is of substantially the same color as a surface against which it is rubbed when the finished hoop is driven into place, painting the opposite face of the sheet any desired color, slitting the sheet into strips of a width proper for forming hoop blanks, and then individually bending the hoop blanks into hoops with said first-mentioned color on the inside.

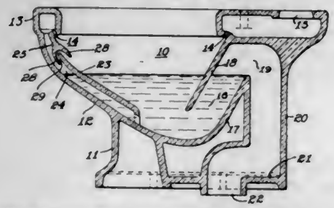
2,156,108

CLOSET STRUCTURE

George Brain, Tiffin, Ohio, assignor, by mesne assignments, to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware

Application August 21, 1936, Serial No. 97,235

1 Claim. (Cl. 4—73)



A closet structure comprising a bowl normally full of liquid almost to its overflow level, a hollow rim on said bowl, provided with bowl flushing apertures, a seal wall near the back of the bowl, integral with the rim and projecting normally into the liquid in such bowl and forming with the back of the bowl a seal passage leading to a siphon down-leg, a jet plate spaced from and parallel to the front of the bowl extending from a point somewhat below said rim into the liquid in the bowl and to a point near the bottom of the bowl and forming with the bowl a jet cavity and a rim extension substantially occupying the space between the rim and the top of the jet plate but terminating in spaced relation to the top of the jet plate thus providing a communicating passage between the jet cavity and the unenclosed atmosphere above the liquid in said bowl, whereby air in said jet cavity is noiselessly discharged directly to the atmosphere during flushing of said closet structure.

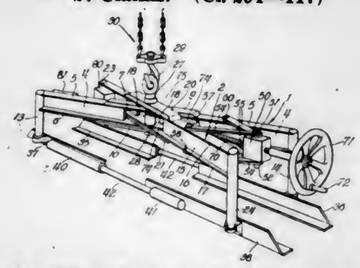
2,156,109

GRAPPLE

Ernest V. Brown, Chicago, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois

Application January 11, 1937, Serial No. 119,956

27 Claims. (Cl. 294—117)



1. A hoist grab comprising a pair of rigid load supporting members pivotally connected together for relative movement about a generally vertical axis, means separate from and connected with said members for moving the latter into and out of load engaging relation, and load engaging means at each end of each of said supporting members.

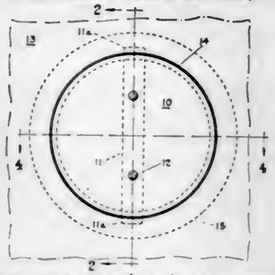
2,156,110

FLUSH COVER ACCESS OPENING

Clayton J. Brukner, Troy, Ohio, assignor to Waco Aircraft Company, a corporation of Ohio

Application September 11, 1935, Serial No. 40,024

9 Claims. (Cl. 244—129)



1. In an access opening in a covering material, a member having a rounded outer portion and an inner radial tongue portion, the outer portion extending beyond the plane of the inner tongue portion to a predetermined extent, a clinching member having a flanged portion adapted to be clinched about the tongue portion of the first said member and to securely fasten the covering material therebetween, the said covering material being in substantially tangential touching relationship with the rounded portion of said first member, the said predetermined extension of said rounded portion being substantially equal to the sum of the thicknesses of the said material and clinching member such that both said members lie entirely on one side of the original extended plane of the said covering material.

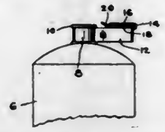
2,156,111

CLOSURE DEVICE FOR CONTAINERS

Louis E. Daugherty, Jr., St. Paul, Minn.

Application August 1, 1938, Serial No. 222,419

2 Claims. (Cl. 221—60)



1. A closure device for containers having a beaded neck member comprising an elongated endless resilient band slidably retained on said neck member by said bead, said band being contracted at its middle portion, and a sealing member carried by an end portion of said band which seals said neck member when said band is in one extreme position and the neck member being unsealed when said band is in its other extreme position.

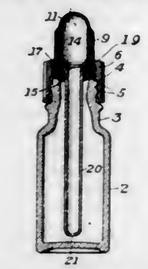
2,156,112

LIQUID DISPENSER

Tunis J. Dykema, Pittsburgh, Pa.

Application June 4, 1938, Serial No. 211,837

8 Claims. (Cl. 221—148)



1. A liquid dispenser comprising a unitary resilient hollow bulb having an opening therein, a dispensing tube connected with the bulb adjacent said opening, the bulb being generally cylindrical for the greater part of its extent generally in the direction of the length of the dispensing tube and having at least a substantial portion of said generally cylindrical part thereof exposed in a direction transversely of the direction of the length of the dispensing tube and sufficiently flexible that when squeezed between the fingers it will eject a considerable proportion of its contents, the bulb having at its closed end an integral portion of the material thereof which is relatively thin as compared with the material of the generally cylindrical portion of the bulb, said portion of the bulb being adapted to be depressed by a finger toward the interior of the bulb and in being so depressed to move inwardly of the bulb for the most part independently of the relatively thick walled portion of the bulb whereby to eject from the bulb upon substantially complete depression of said portion thereof an approximately measured quantity of fluid constituting a comparatively small proportion of the contents of the bulb.

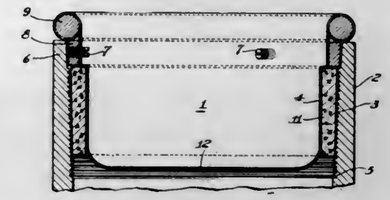
2,156,113

PIPE THREAD PROTECTOR

Birger Engstrom, Pittsburgh, Pa., assignor, by mesne assignments, of sixty one-hundredths to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 10, 1937, Serial No. 136,117

3 Claims. (Cl. 138—96)



1. An inside thread protector for a pipe having an annular unthreaded band between its thread and adjoining end, comprising a tubular member of a diameter smaller than that of the inside of the pipe, a reinforcing ring encircling the outer portion of said tubular member substantially in engagement with the wall of said unthreaded band, and a series of circumferentially spaced elements extending through the outer end of said member and adjustable therein for releasably engaging the wall of said band to hold said member in position spaced from said thread.

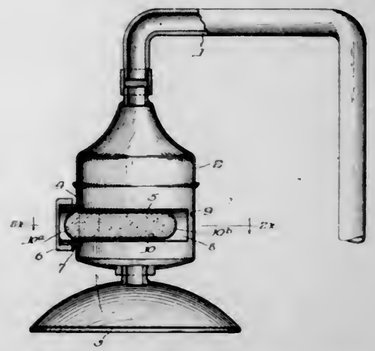
2,156,114

BATH WATER CONDITIONER

Fred A. Gilford, Chicago, Ill.

Application September 17, 1937, Serial No. 164,368

3 Claims. (Cl. 299—84)

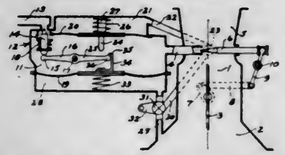


1. A water conditioning utensil, comprising a container having an inlet and an outlet and constructed for introduction into the line of flow of a water duct, and a tubular conditioning-medium pocket having closed and open ends, said pocket being mounted in one wall of the container through the medium of the closed end of the pocket and extending substantially through the body of water flowing in the container and having its open end positioned in such close proximity to another wall of the container as to cause said other wall to baffle the free flow of water into said open end.

2,156,115
CARBURETOR

Paul Xavier Auguste Gistucci, Paris, and Johann Lichtenstein, Levallois-Perret, France, assignors to Societe Generale des Carbureteurs Zenith, Levallois-Perret, (Seine) France, a corporation of Switzerland

Application June 24, 1936, Serial No. 87,093
In Belgium August 9, 1935
6 Claims. (Cl. 261—69)

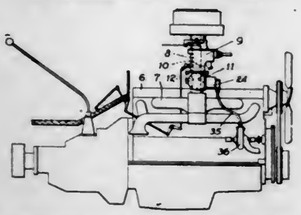


1. In a charge forming device for an internal combustion engine, an induction passage, a throttle controlling the same, a fuel nozzle positioned posterior to said throttle, a fuel chamber having an inlet and having an outlet connected to said fuel nozzle, a valve controlling said inlet, a pressure responsive member forming a wall of said chamber and connected to said valve in such manner as to tend to close the valve upon increase of pressure in the chamber, and a second pressure responsive member forming a wall of said chamber and connected to said valve, said second pressure responsive member being biased in a direction to close said valve and being subjected to the depression in said induction passage and rendered thereby inoperative to close said valve when the depression exceeds a predetermined amount.

2,156,116
SPEED REGULATOR

George E. Howard, Butler, Pa.

Application November 3, 1938, Serial No. 238,594
9 Claims. (Cl. 123—103)



1. The combination with an engine provided with an intake passageway having a throttle valve for controlling the flow of motive fluid to the engine, of a control valve for said passageway, an actuating device for the control valve, means for moving said device in response to changes in engine speed, and means operable through changes of pressure in the passageway, for moving the control valve in predetermined relation to changes in position of the throttle valve.

2,156,117
SHOCK STRUT

Carl V. Johnson, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application September 26, 1934, Serial No. 745,624
16 Claims. (Cl. 267—64)

1. A shock strut comprising a diaphragm member having an orifice and a tubular casing member extending downwardly therefrom, a piston adapted to reciprocate in said tubular casing, a chamber secured on top of said diaphragm, and hollow tubing means independent of the strut

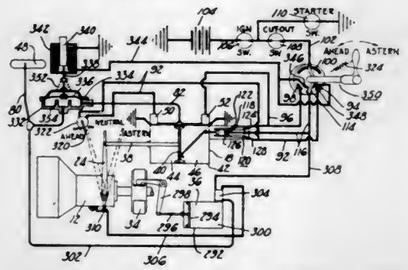


and extending beyond the upper end of the strut for supporting said strut adjacent said diaphragm.

2,156,118
SERVOMOTOR AND CONTROL FOR TRANSMISSIONS

Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application March 21, 1936, Serial No. 70,008
4 Claims. (Cl. 121—38)

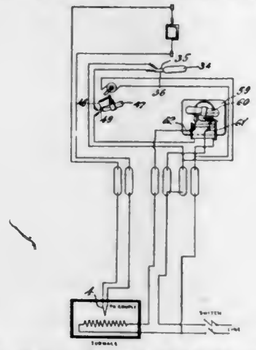


1. Power means for operating the transmission of marine craft comprising a pressure differential operated motor operably connected with the transmission, valve means for controlling the operation of said motor comprising two three-way valves, one mounted on each end of said motor, and means for operating said valve means comprising a solenoid for operating each valve, switch means for controlling the operation of said solenoids comprising a manually operated selector switch operable to effect an energization of either of said solenoids, said switch means further comprising a power operated switch for making possible an energization of one or the other of said solenoids to neutralize the transmission, after the transmission has been established in either its ahead or astern positions, a power operated switch automatically operable, after the ahead setting of the transmission has been established, to deenergize one of the aforementioned solenoids, and power means, automatically operative upon release of the aforementioned manually operable selector switch after the same has been moved into its astern position, to return the selector switch to its neutral position.

2,156,119
CONTROL DEVICE FOR HEAT GENERATING APPARATUS

Hans Laub, Maplewood, and John Kremer, West Orange, N. J., assignors to Charles Engelhard, Inc., Newark, N. J., a corporation of New Jersey

Application March 29, 1937, Serial No. 133,594
6 Claims. (Cl. 13—24)

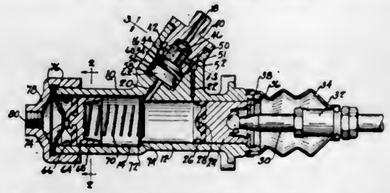


6. In a control device, a galvanometer responsive to the E. M. F. generated by the apparatus being controlled, a pointer connected to the galvanometer, a depressor bar arranged to engage the pointer when the pointer is in a predetermined position, means for actuating the depressor bar, a first pivotally mounted mercury switch adapted when in the "on" position to close a circuit through the apparatus being controlled, an electromagnet for controlling the position of said first switch, a second pivotally mounted mercury switch adapted when in the "on" position to close a circuit through the electromagnet, means actuated by the depressor bar and pointer to move the second switch to an "off" position when the pointer is in a predetermined position, a third pivotally mounted mercury switch in series with the second switch and the electromagnet normally held in an "on" position when the depressor bar actuating means is operating, said third switch being adapted when in the "on" position to close a circuit through the electromagnet, and means to automatically move said third mercury switch to an "off" position when the depressor actuating means cease to operate.

2,156,120
MASTER CYLINDER UNIT FOR BRAKES

Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application September 12, 1935, Serial No. 40,289
7 Claims. (Cl. 60—54.6)

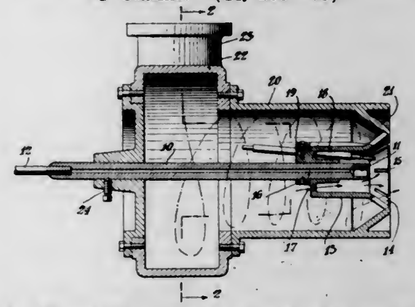


1. A hydraulic brake master cylinder comprising a casing having a double diameter bore, an operating piston reciprocable in the smaller bore, a floating piston in the larger bore, a spring compressed between said floating piston and a shoulder formed by the double diameter bore, and a washer on said floating piston permitting flow therepast in one direction only.

2,156,121
BURNER

James N. Macrae, Rutherford, N. J.

Application April 7, 1937, Serial No. 135,426
3 Claims. (Cl. 158—76)

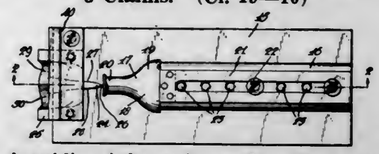


1. A burner including a sleeve to be coupled to a source of air supply, an oil discharge tube extending within said sleeve, a cup encircling said tube and adjacent the discharge end of the latter, the base of said cup being formed with openings for the passage of air from said sleeve to the space defined by said cup, said cup having an outwardly flared portion at its open end, said portion being formed with slots extending at a tangent to a circle concentric with the axis of said tube and sleeve, the discharge end of said sleeve being reduced and having an opening substantially equal to the greatest diameter of the outwardly flared portion, said cup being shiftable toward the reduced end of said sleeve whereby to force substantially all the air flowing through said sleeve to traverse said slots and shiftable away from the sleeve end to permit increasing amounts of air to flow between the outer edge of said flared portion and the inner surface of the reduced end of said sleeve, and a spray nozzle on said tube adjacent the outwardly flared portion of said cup.

2,156,122
MECHANISM FOR USE IN DECORTICATING FIBERS

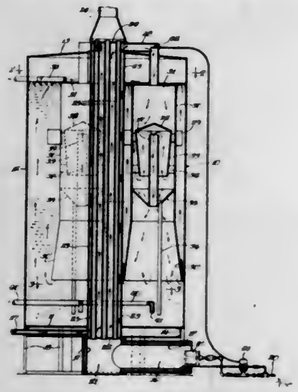
Joseph J. Marczak, generally known as Joseph J. Martz, Big Point, Miss.

Application November 4, 1937, Serial No. 172,707
3 Claims. (Cl. 19—10)



1. A guiding tube, a tapered guiding nozzle at the end of the tube, a part of the nozzle being spring-pressed and adapted to yield to passage of stalks of greater size than the minimum size of the nozzle, a longitudinally located knife adapted to slit the stalk as it comes through the nozzle, guiding edges for the knife and guiding surfaces adjacent the knife adapted to spread slit edges of the stalk into a low arch, and feeding and resilient flattening rollers with which the stalk is engaged as it passes beyond the guiding surfaces.

2,156,123
APPARATUS FOR DEMULSIFYING AND SETTLING LIQUIDS
Walter M. Mount, Tulsa, Okla.
Application March 18, 1938, Serial No. 196,649
9 Claims. (Cl. 210—59)



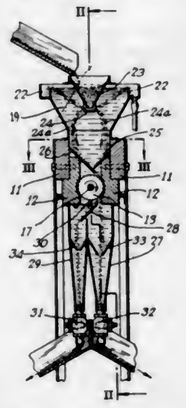
1. Apparatus for demulsifying and clarifying liquids comprising a cylindrical tank, a heating chamber for the liquid extending vertically of the tank and having an inlet at its base, at least one clarifying member also extending vertically within the tank and connecting at its upper end with the heating chamber, said clarifying chamber having an open bottom whereby the liquid flows upwardly in the heating chamber and downwardly in the clarifying chamber to be discharged within the tank, means within the clarifying chamber for separating sludge and other foreign matter from the liquid by reversing the direction of flow intermediate the ends of the chamber to establish a zone of upward flow, an outlet for the clear liquid in the upper portion of the tank, and a sludge draw-off in the base of the tank.

2,156,124
SYNTHETIC RESINS AND NITROGEN CONTAINING ORGANIC COMPOUND ADDITION PRODUCTS
Emil E. Novotny, Philadelphia, Pa., assignor, by mesne assignments, to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 25, 1936, Serial No. 92,640
12 Claims. (Cl. 260—34)

11. A potentially reactive phenolic resin including a hexamethylenetetramine addition product wherein the hexamethylenetetramine addition product is specifically characterized in that the acid with which the hexamethylenetetramine is combined contains aside from the acidic groups other potentially reactive or available ammonia (NH_3) or N≡ fixing groups or structures.

2,156,125
METHOD OF WET MAGNETIC SEPARATION
Clarence Q. Payne, Stamford, Conn.
Application March 30, 1937, Serial No. 133,777
1 Claim. (Cl. 209—214)

The method of wet magnetic separation of ores and minerals containing feebly magnetic and nonmagnetic particles which consists in submerging them in a tank of water thereby reducing their effective weight, causing the particles of ore to fall through the water and along guide plates into a submerged arcuate magnetic field gap formed between an arcuate faced pole piece and a horizontal magnetic rotor submerged in



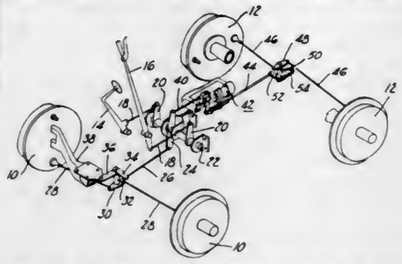
said tank and attracting the magnetic away from the nonmagnetic particles within said gap by feeding them along the arc of said horizontal rotor in direct contact therewith in said magnetic field, substantially as and for the purpose described.

2,156,126
RESIN PRODUCTION
Joseph Rivkin, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania
No Drawing. Application July 9, 1936, Serial No. 89,847
12 Claims. (Cl. 260—81)

1. That method of producing resins as the product of reaction involving the resin-forming polymerizable constituents of crude solvent naphtha and a phenolic reagent, which comprises the steps of treating said crude solvent naphtha in the presence of a phenolic reagent reactive with said constituents and present in an amount not substantially less than 22 per cent by weight of said constituents, with a polymerization catalyst of the group consisting of concentrated sulfuric acid and sulfonic acids, while agitating and maintaining the reaction mixture below about 60° C., thereby effecting polymerization of said constituents and reaction with said reagent with production of resin readily soluble in alcohols, and recovering and separating the reaction products and the solvent naphtha refined by such treatment.

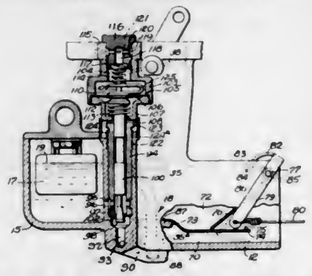
2,156,127
BRAKE
Glyn Pierce Roberts, Birmingham, England, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 16, 1936, Serial No. 106,026
In Great Britain October 18, 1935
5 Claims. (Cl. 188—10)

1. A vehicle brake control device comprising a plunger axially slidable in a sleeve fixed to the vehicle chassis, a lever pivoted between its ends on the plunger, a driver operated connection on one end of the lever, a brake operating connection on the other end of the lever, a housing axially slidable on the plunger, opposed compression springs effectively interposed between the plunger and the housing, and the housing and said other end of the lever, and means for



locking the plunger in the sleeve when the springs are compressed.

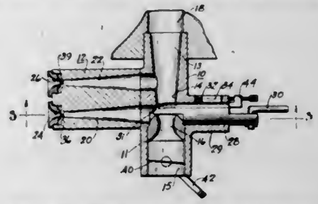
2,156,128
CARBURETOR
Ernest H. Shaff, Grand Haven, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 31, 1934, Serial No. 750,758
7 Claims. (Cl. 261—64)



1. In a carburetor having a hollow body providing an inlet chamber and a mixing chamber having a discharge opening therefrom, a throttle valve in said mixing chamber, a fuel discharge member having a vaporizing head between said chambers, means for controlling the flow of fuel to said discharge member, a resilient horizontal division wall in said inlet chamber dividing the latter into primary and secondary air passages below and above said wall respectively, a flap type valve in said secondary passage pivotally mounted at one edge and engageable with said division wall at its opposite edge, means for normally resiliently holding said flap valve lightly against said division wall, and operating means for pressing said flap valve against said division wall to close said primary passage for choking the engine.

2,156,129
CARBURETOR
Stuyvesant C. Smith, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 13, 1935, Serial No. 21,099
7 Claims. (Cl. 261—41)

5. A fuel lift carburetor having an induction passage, an air inlet passage, a secondary venturi in the induction passage, a primary venturi communicating with the induction passage through the walls of the secondary venturi immediately posterior to the restricted section thereof, a fuel jet communicating with primary venturi at the restricted section thereof, an auxiliary venturi communicating with the induction passage through the walls of the secondary venturi posterior to the primary venturi, a fuel jet communicating with the primary venturi at the restricted section thereof, manual means to control the fuel jets, a slide valve having a round-

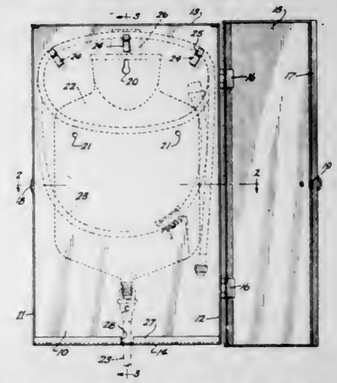


ed end section designed to progressively close the induction passage and the primary venturi as the valve is moved in the closing direction, manual means to manipulate the slide valve, and manual means to close said air inlet passage.

2,156,130
COMPOSITIONS FOR FLUID TRANSMISSION OF POWER
William Percival Smith, London, England
No Drawing. Application July 17, 1937, Serial No. 154,319. In Great Britain November 18, 1933
2 Claims. (Cl. 252—5)

2. A liquid for transmission of power consisting of butylene glycol diacetate and castor oil in equal proportions by volume.

2,156,131
UTILITY CABINET
Theodore B. Stetzer, Chicago, Ill.
Application July 8, 1936, Serial No. 89,520
1 Claim. (Cl. 206—69)



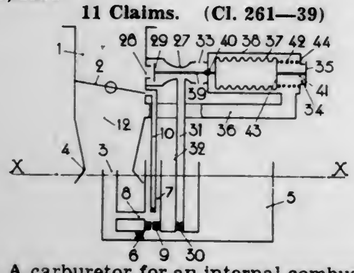
A bathroom utility cabinet for douche bags comprising, in combination, a box open at the front, and having a rear wall, side walls and top and bottom walls and adapted to receive a douche bag with a discharge tube, a hinged cover on said box for closing the front, a transverse slot of approximately the same width as the tube formed in and opening to the front edge of the bottom wall substantially midway of the side walls, said tube being adapted selectively to be supported entirely within said box or to be inserted laterally into and suspended downwardly through said slot, and an upstanding flange along the front edge of said bottom wall and intersected by the slot, said flange and said bottom wall providing convenient shelf space for receiving articles incidental to the use of the cabinet.

2,156,132
CARBURETOR

Maurice Clément Philippe Thieulin, Paris, France, assignor to Societe Generale des Carburateurs Zenith, Levallois-Perret, France

Application March 12, 1935, Serial No. 10,721. Renewed August 9, 1937. In Belgium March 16, 1934

11 Claims. (Cl. 261—39)



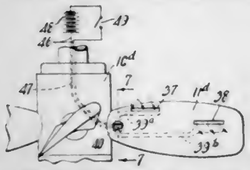
1. A carburetor for an internal combustion engine which comprises, in combination, a carburetor body forming a mixing chamber, means for feeding fuel into said chamber, a main air inlet for said chamber, an additional air inlet, a valve for controlling said additional air inlet, a starting device including a mixing chamber for forming a rich mixture of fuel with air, and a passage for leading said rich mixture from said last mentioned chamber to the engine, a valve for controlling said passage, and thermostatic means for controlling both of said valves so as to leave the last mentioned valve open when the temperature of said thermostatic means is low and gradually close it when said temperature rises and to move said first mentioned valve in the opening direction thereof when the temperature of said thermostatic means exceeds a predetermined value and is rising, and in the closing direction when said temperature drops toward said predetermined value.

2,156,133
PROPELLER

Theodore H. Troller, Akron, Ohio

Application June 16, 1936, Serial No. 85,472

13 Claims. (Cl. 170—172)



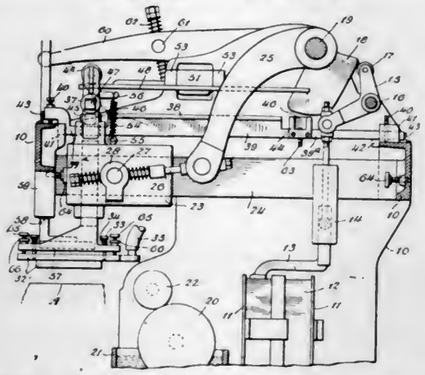
1. A propeller of the character described comprising a blade having a major portion of aerofoil section and formed interiorly with a duct that extends longitudinally of the blade and radially of the axis of the propeller, the inlet end of said duct being nearest the axis of the propeller and opening onto one region of the aerofoil portion of the blade on the cambered side thereof, removed from the leading edge thereof to avoid scoop effect, and the delivery end of the duct opening onto another region of the aerofoil portion of the blade more remote from the axis of the propeller, and so constructed and arranged that rotation of the propeller effects a flow of fluid in the duct, which fluid enters one end of the duct and discharges from the other end thereof for energizing the layer of the same fluid on the surface of the blade, the duct openings being relatively small so as not materially to reduce the effective area of the blade.

2,156,134
MACHINE FOR HANDLING AND APPLYING SHEETS OF MATERIAL

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application December 2, 1936, Serial No. 113,797

29 Claims. (Cl. 216—55)



4. In a machine of the kind described, the combination of a container for a supply stack of labels, an adhesive applying roll located in operative relation to said supply stack, a horizontally reciprocable and vertically movable suction head, means for supporting the suction surface of said suction head at the level of said adhesive applying roll whereby a label carried by said suction head is moved in tangential contact with said adhesive applying roll during an operative horizontal reciprocating movement of said suction head, and means for vertically actuating said suction head to move it into and out of contact with said supply stack to remove a terminal label therefrom, and to cause said suction head to apply said label to an article, and to raise said suction head above the level of said adhesive applying roll during an inoperative horizontal return movement of said suction head.

16. In a machine of the kind described, the combination of a supply stack of labels, a reciprocable suction head arranged to successively remove terminal labels from said stack and transfer the same therefrom for application to an article, and means rigidly fixed on said suction head for positioning said labels on the carrying surface of said suction head and for maintaining said labels against displacement from said position subsequent to removal from said stack.

29. In a machine of the kind described, the combination of a support for an article to be labelled, a flexible pressure member for developing a yielding pressure on an adhesive coated label to adhesively apply said label to said article, and means co-operating with said flexible member at spaced points thereof to develop localized positive pressure on predetermined portions of said label.

2,156,135
CLUTCH CONTROL MECHANISM

William S. Watts, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application October 20, 1933, Serial No. 694,437. Divided and this application December 30, 1936, Serial No. 118,368

6 Claims. (Cl. 192—.01)

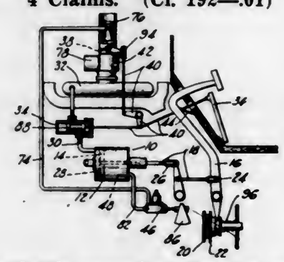
1. In a clutch control mechanism for an automotive vehicle provided with an exhaust manifold and a clutch, a pressure differential operated motor operably connected with the clutch, and control valve mechanism for said motor comprising valve means for controlling the clutch engaging operation of said motor, said valve means being operative in accordance with the gaseous pressure of said exhaust manifold.

2,156,136
CLUTCH CONTROL MECHANISM

William S. Watts, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application October 20, 1933, Serial No. 694,437. Divided and this application December 30, 1936, Serial No. 118,369

4 Claims. (Cl. 192—.01)



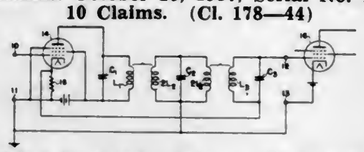
1. In a clutch control mechanism for an automotive vehicle provided with a clutch, a downdraft carburetor having mounted within the intake duct thereof a venturi, a pressure differential operated motor operably connected with the clutch, and control valve mechanism for said motor comprising valve means for controlling the clutch engaging operation of said motor, said valve means being operative in accordance with the gaseous pressure developed within the aforementioned venturi.

2,156,137
BAND-PASS SELECTOR

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application October 16, 1937, Serial No. 169,360

10 Claims. (Cl. 178—44)



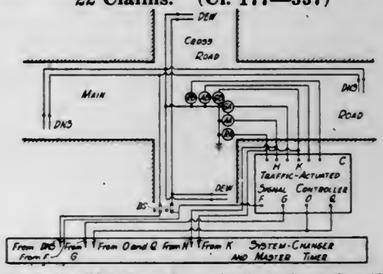
1. A band-pass selector system for transmitting frequencies of a given frequency band, comprising means for deriving a first voltage variable in phase in accordance with the frequency of the input to the system, means for deriving a second voltage which varies less rapidly in phase than said first voltage with the frequency of the input to said system, the constants of said selector being so proportioned that said two voltages are in phase at a frequency near the center of said band and opposite in phase at frequencies near each of the limiting frequencies of said band, and means for deriving an output voltage variable in accordance with the vectorial sum of said first and said second voltages.

2,156,138
TRAFFIC CONTROL SYSTEM AND APPARATUS

Harry A. Wilcox, Bronxville, and John L. Barker, Pleasantville, N. Y., assignors to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware

Application July 3, 1936, Serial No. 88,724

22 Claims. (Cl. 177—337)



1. In a traffic signal control system for the intersection of a main traffic lane with a cross lane having traffic actuated means in the lanes, a right of way signal controller connected to the traffic actuated means and operable thru a cycle to accord and transfer right of way between the lanes for time periods in accordance with actuations of the respective traffic actuated means, a master control means operatively connected to said controller for periodically determining when effective when said right of way controller may transfer right of way to the cross lane in response to such actuation in the cross lane, system changing apparatus including mechanism for counting the actuations of the traffic actuated means in one of the lanes during each cycle of the signal controller and means responsive to the counting of at least a predetermined number of actuations during one cycle of the controller to render said master control means effective.

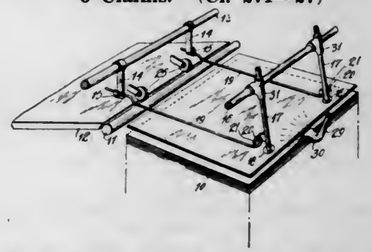
2,156,139
SHEET FEEDING MACHINE

Headley Townsend Backhouse, London, England

Application November 3, 1937, Serial No. 172,551

In Great Britain November 17, 1936

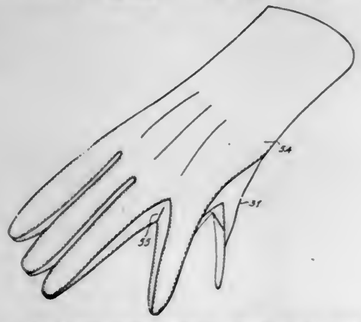
6 Claims. (Cl. 271—27)



1. In mechanism for feeding sheets to a printing press or other sheet handling machine of the type in which means are provided for separating and lifting rear portions of the uppermost sheet

and forwarding the sheet to advance its front edge to delivery position, and in which means are provided for winding the uppermost sheet after its said rear portions are separated from the pile, a smoother arranged above the pile extending in the direction of movement of the sheets, and means for causing said smoother to travel forward during the forward travel of the sheet.

2,156,140
GLOVE CONSTRUCTION
Alice Bates, Long Island City, N. Y.
Application November 12, 1938, Serial No. 240,124
5 Claims. (Cl. 2—169)



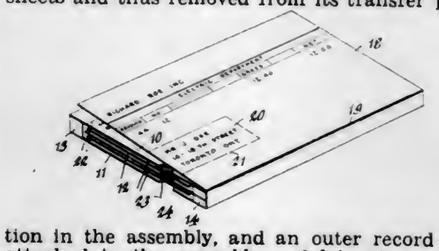
1. In a glove comprising back and palm portions having corresponding digit extensions separated by slots, the slots between the digit extensions of the back portion extending to a greater depth than the slots between the corresponding digit extensions of the palm portion, a fourchette strip interposed between said two portions and forming therebetween a continuous connection following the outline of a plurality of said digit extensions, the rear edge of said strip following the contour of and being joined to the digit extensions of said back portion, the front part only of its folded crotch portions being trimmed at a slant to follow the outline of the crotch of the hand, the two edge portions resulting from the trimming operation at each crotch being sewed together to complete said crotch, the resulting continuous front edge of said strip following the contour of and being joined to the digit extensions of the palm portion.

2,156,141
HETEROCYCLIC AZO COMPOUNDS AND A METHOD OF PRODUCING THE SAME
Arthur Binz, Berlin-Wilmersdorf, and Otto von Schickh, Berlin, Germany, assignors to Schering Aktiengesellschaft, Berlin, Germany, a corporation of Germany
No Drawing. Application April 16, 1935, Serial No. 16,609. In Germany April 17, 1934
10 Claims. (Cl. 260—156)

1. A method for producing heterocyclic azo compounds comprising diazotizing an amino-substituted aryl hydrocarbon compound and coupling the diazonium compound obtained thereby, with a 3.5-diamino pyridine taken from the group consisting of 3.5-diamino pyridine and the hydroxy, halogen, alkoxy and alkyl derivatives thereof and having a position free for coupling.

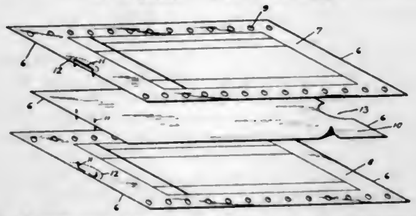
2,156,142
MANIFOLDING ASSEMBLY FOR MAILING
Otto Blitz, Oakland, Calif., assignor to Pacific Manifolding Book Company, Inc., Emeryville, Calif., a corporation of Delaware
Application January 13, 1936, Serial No. 58,813
11 Claims. (Cl. 282—25)

1. A manifolding assembly including, in combination, record sheets having attachment with each other at opposite marginal portions thereof and being free from each other at another marginal portion so as to form an open pocket, a transfer sheet loosely received within said pocket in transfer relation with the record sheets, a selective grip formation at the opening of said pocket whereby the transfer sheet may be selectively gripped to the exclusion of the record sheets and thus removed from its transfer posi-



tion in the assembly, and an outer record leaf attached to the assembly and lying in contact with the outer surface of one of said record sheets, said outer record leaf having a transfer surface of restricted area positioned to transfer the address inscription to said outer surface, and also having record receiving areas outside of said restricted transfer area and in registry with said transfer sheet, and with similar record receiving areas within said pocket with which said transfer sheet is in transfer contact.

2,156,143
MANIFOLDING RECORD ASSEMBLY
Edward Kirby Bottle, Elmira, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware
Application June 3, 1930, Serial No. 459,044
12 Claims. (Cl. 282—12)

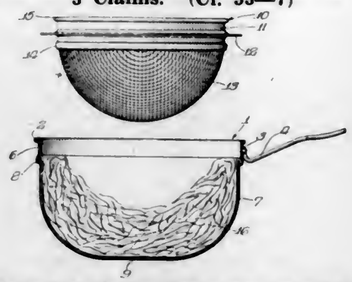


1. A record assembly including a plurality of consecutive record packs, severable from each other, along predetermined lines of severance, fastening means common to all of the sheets of each of said packs, certain of said sheets being formed with lines of scoring each having its ends terminating adjacent to but short of said lines of severance, and said fastening means being disposed within the spaces defined by said lines of scoring and said lines of severance.

2,156,144
PLASTICIZED RESIN COMPOSITION
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application August 23, 1933, Serial No. 686,443
8 Claims. (Cl. 106—40)

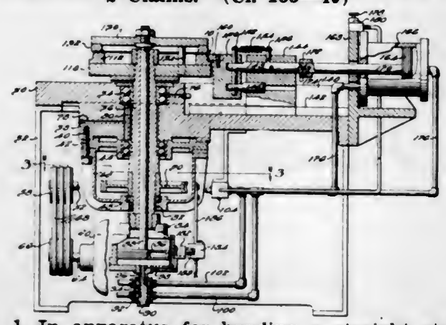
2. A composition comprising one of the group of cellulose nitrate and cellulose acetate plasticized with a vacuum-distilled polyhydric aliphatic alcohol ester of crotonic acid, said ester having been blown with air at an elevated temperature.

2,156,145
EDIBLE CONTAINER-MAKING MOLD
Ernest Oren Cavett and Roy O. Cavett, Milwaukee, Wis.
Application February 17, 1937, Serial No. 126,192
3 Claims. (Cl. 53—7)



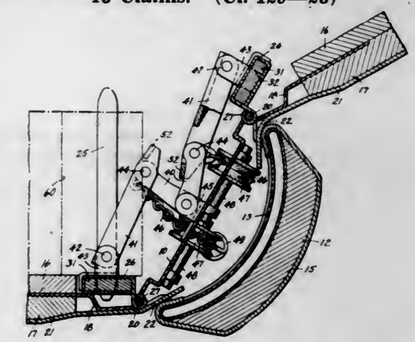
1. A device of the character described, comprising a bowl-like mold section consisting of an annular frame and a perforate bowl-like body portion connected to and carried by said frame, the normal bottom portion of which is flattened and the connection between said perforate body portion and said annular frame providing an internal annular shoulder, and a second mold section consisting of an annular frame, the diameter of which is less than that of said first mold section, a circumferentially extending right-angularly disposed flange carried by said second annular frame adjacent its upper extremity, the outer marginal portion of which is adapted to be snugly engaged with the inner peripheral surface of said first annular frame upon engagement of the second annular frame therein, and a perforate substantially hemispherically shaped body portion connected to and carried by said second frame, said second frame and its perforate body portion being adapted to be nestingly engaged within the frame and perforate body portion of said first mold section and to be inwardly spaced with relation thereto by engagement of said right-angularly disposed flange within said first mentioned annular frame, and means for releasably securing said second mold section within said first mold section.

2,156,146
POWER BENDER
Clarence P. Chamberlin, Pleasant Ridge, and John H. Toner, Detroit, Mich., assignors to Metal Mouldings Corporation, Detroit, Mich., a corporation of Michigan
Application September 29, 1937, Serial No. 166,386
2 Claims. (Cl. 153—40)



1. In apparatus for bending a straight strip of metal stock, having a main body portion and a flanged edge portion, into a predetermined shape of non-circular outline including, in combination, a die member having a peripheral face of non-circular conformation corresponding approximately to the conformation desired in the final product, means for rotating said die member, the peripheral face of said die member being shaped in cross-section complementary to the cross-sectional configuration of one face of said strip, a portion of said die member adjacent the periphery being substantially straight and at an angle to the peripheral face, yieldable means movable axially with respect to said die member having a portion substantially parallel to said last-named portion operable to yieldably clamp the flange of said strip between it and said portion of said die member, a head movable in an approximately radial direction with respect to the axis of rotation of said die member, a second die member carried by said head and provided with a face the cross-sectional configuration of which is complementary to that face of said strip which is not adapted to engage the peripheral face of the first mentioned die-member, and means yieldable under the camming action between said die members constantly urging said second die member towards said first die member during operative periods of said apparatus.

2,156,147
LOOSE-LEAF BINDER
James Cooper, Solvay, and John M. Wall, Syracuse, N. Y., assignors to Hall & McChesney, Inc., Syracuse, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,716
13 Claims. (Cl. 129—23)

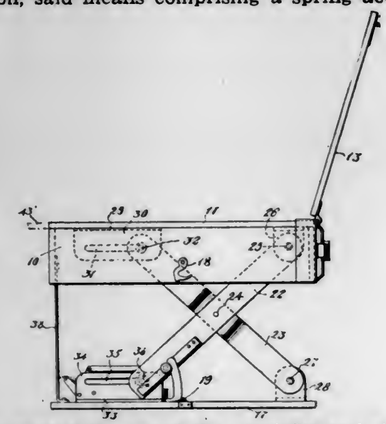


12. A loose leaf binder comprising a back member, a cover pivoted to each side of the back member, a plurality of leaf impaling posts, means carried by the back member and cooperable with the ends of the posts upon engagement with the same to interlock with the posts, said back member being movable toward and from the posts to permit insertion and removal of the leaves from said posts, and means cooperable with the cover and said back member for automatically moving the back member toward the posts and effecting engagement of said interlock means with the posts during closing of the cover.

2,156,148
LOCKING DEVICE FOR LAZY TONG STRUCTURES
Vincent Di Giacomo and Leoluca Salemi, New York, N. Y.
Application March 30, 1938, Serial No. 198,964
6 Claims. (Cl. 155—91)

5. In a lazy tong structure comprising a plate-

like base member, a top member, a pair of pivotally connected cross arms interposed therebetween at each side thereof, one end of each arm being pivotally connected to one of said members, a slotted bracket at each side of each member, pivotally and slidably connected to the other end of each arm, and means for locking said structure in a predetermined extended position, said means comprising a spring actuated



pin carried by one of the pivotally and slidably connected arms of each pair of crossed arms, the corresponding bracket having an opening adapted to receive and interlock with said pin when the structure reaches said predetermined extended position, means to release said pin from interlocking engagement with said bracket, and spring means urging said last named pivotally and slidably connected arms in the collapsing direction.

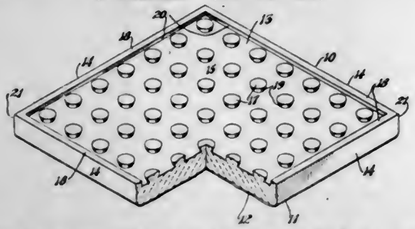
2,156,149

CERAMIC MANUFACTURE

Harold R. Feichter, Canton, Ohio, assignor to United States Quarry Tile Company, Canton, Ohio, a corporation of Delaware

Application January 14, 1938, Serial No. 184,983

9 Claims. (Cl. 72—18)



1. A ceramic block having a back face, polygonal side faces bounding the back face, and border ledges for more than two of the side faces, each border ledge being adjacent a side face and having a portion projecting inwardly over a portion of the back face.

2,156,150

LADDER AND LIKE WEBBING AND METHOD OF PRODUCING THE SAME

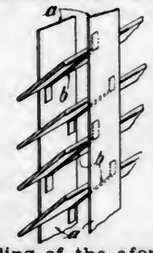
George Frederick French, Hulme, Manchester, England, assignor to Thomas French & Sons Limited, Manchester, England, a corporation of Great Britain

Application March 9, 1936, Serial No. 67,809

In Great Britain March 13, 1935

13 Claims. (Cl. 139—384)

1. Ladder webbing and the like comprising two outer bands and a series of cross-tapes woven into said bands, said cross-tapes including a plurality of warp threads woven alternately into one and then the other of said outer bands, the distance



between the ending of the aforesaid weaving-in of said warp threads on the first band and the beginning of the weaving-in on the second band being so short as to make said ending and said beginning substantially contiguous.

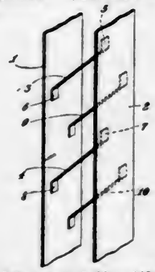
2,156,151

REINFORCED LADDER WEBBING

George F. French, Manchester, England, assignor to Thomas French & Sons Limited, Manchester, England, a corporation of Great Britain

Application May 19, 1937, Serial No. 143,557

5 Claims. (Cl. 139—384)



1. Ladder webbing and the like comprising two outer bands and a series of cross-tapes woven into said bands, said cross-tapes including a plurality of warp threads woven alternately into one and then the other of said outer bands, and a weft thread for said cross-tapes woven into said cross-tapes to form transverse strengthening ribs at said interweaving and at the general level and within the area of said interweaving.

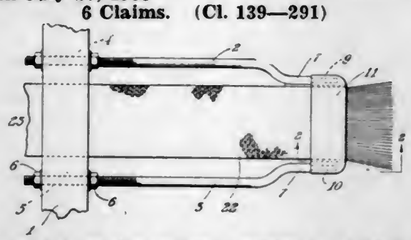
2,156,152

WEB HOLDING AND GUIDING STOPPER

George Frederick French, Manchester, England, assignor to Thomas French & Sons Limited, Manchester, England, a corporation of Great Britain

Original application May 19, 1937, Serial No. 143,556. Divided and this application December 29, 1937, Serial No. 182,181. In Great Britain July 27, 1935

6 Claims. (Cl. 139—291)



1. In a loom for weaving webbing, a web holding and guiding stopper comprising a member

having therein a narrow, flat channel closed on all faces, through which said web is adapted to pass and a diagonal slot in said stopper to allow the removal of said web.

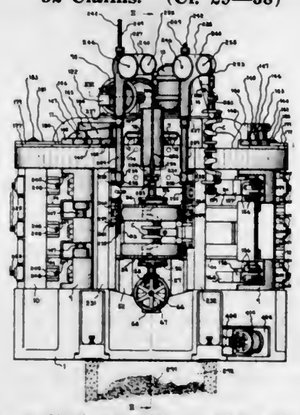
2,156,153

MULTIPLE SPINDLE VERTICAL CRANKSHAFT LATHE

William F. Groene, Harold J. Siekmann, and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application April 8, 1937, Serial No. 135,740

52 Claims. (Cl. 29—38)



1. In a multiple spindle machine tool, a base, a rotatable carrier member mounted on said base, a plurality of vertically arranged center drive work spindles each comprising at least one center drive ring chuck and at least one center mounted on said member, tool means and a loading station associated with said work spindles, means mounted on said base for axially adjusting the center of a work spindle at said loading station, and means for rotating said carrier member and rotating said work spindles.

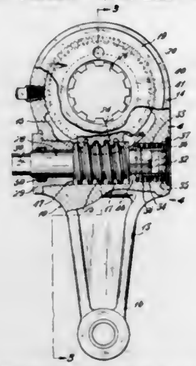
2,156,154

BRAKE SLACK ADJUSTER

Harry H. Hooker, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 23, 1937, Serial No. 181,262

1 Claim. (Cl. 188—196)



A slack adjuster for a brake operating mechanism or the like having an oscillatable shaft, comprising a lever having a hub portion provided with a chamber into which said shaft extends, a gear wheel in said chamber and connected with said shaft, said lever having a recess therein adjacent said chamber, a worm in said recess meshing with said gear wheel, said worm having at one end thereof a tool-engageable portion accessible from the exterior of the device, and a locking device comprising a non-circular portion at the other end of the worm, a toothed locking part on the lever, a sleeve slidable on said non-circular portion and having a toothed portion engageable with said toothed locking part, and a helical spring acting on the sleeve to cause releasable engagement of the same with said locking part, said locking device being housed in a portion of said recess.

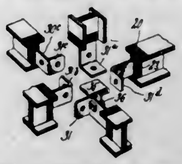
2,156,155

TOY STRUCTURAL MATERIAL

Alan F. Howard, Winchester, Mass.

Original application November 23, 1936, Serial No. 112,202. Divided and this application May 5, 1937, Serial No. 140,806

10 Claims. (Cl. 46—29)



1. An element comprising strips of fibrous sheet material adhesively secured together to simulate a metallic structural beam, and reinforcing sheet material overlying end and side faces of said beam and adhesively secured thereto.

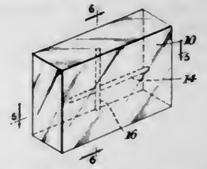
2,156,156

METHOD OF PRODUCING GROOVES OR CHANNELS IN DIELECTRIC MATERIALS

Gustave Mahlck, East Orange, N. J.

Application July 15, 1935, Serial No. 31,430

4 Claims. (Cl. 204—1)



1. The method of forming within a dielectric body a space free from the material of the body which consists in first forming the body with a structure formed of metal completely imbedded and enclosed therein corresponding to the free space to be formed and applying a suitable difference of electric potential to one point of the structure and an electrolytic solution in which the body is immersed to remove said structure.

2,156,157

STOCK CONTROLLED MECHANISM

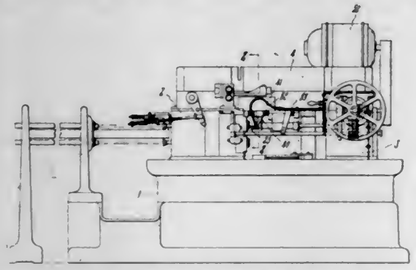
Carroll E. Miller, Windsor, Vt., assignor to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont

Application December 9, 1937, Serial No. 178,933

13 Claims. (Cl. 29—62)

1. The combination with means for feeding stock to be worked upon toward a predetermined

position, means for defining the fully fed position of said stock, and means for operating on the stock so fed, of means responsive to the position of said stock with relation to said defining means, means for controlling said operating



means, and periodically actuated means causing said controlling means to be controlled by the response of said responsive means, such response corresponding to failure of the stock to reach a fully fed position acting to stop said operating means.

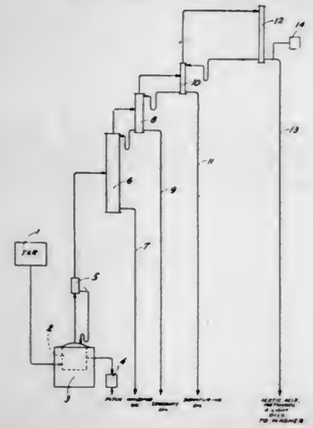
2,156,158

PROCESS FOR DISTILLING TAR

Edgar T. Olson, Marquette, Mich., and Raphael Katzen, Phelps, Wis., assignors to Northwood Chemical Company, Phelps, Wis., a corporation of Wisconsin

Application May 17, 1938, Serial No. 208,498

4 Claims. (Cl. 202—39)



4. An inhibitor oil for use in preventing formation of gummy substances in cracked gasoline characterized by being clear and transparent, having amber color, an inhibitor ratio of between about 1.2 and about 3.5, a boiling temperature of between about 240° C. and about 300° C. at atmospheric pressure with less than about 2% thereof being distillable below 212° C. at atmospheric pressure, and possessing other properties characteristic of those obtained when "wood tar" is substantially continuously introduced into a pot still and heated therein at a temperature of about 250° C. under a pressure of between about 10 mm. and about 100 mm. and the thereby liberated mixed vapors are removed from the still as rapidly as they are liberated and the portions thereof having a mean average temperature of about 210° C. are condensed while under said pressure and before polymerization can take place to a material extent.

2,156,159

PROCESS OF MAKING LIGNIN

Edgar T. Olson, Marquette, Mich., and Raphael Katzen and Richard H. Plow, Phelps, Wis., assignors to Northwood Chemical Company, Phelps, Wis., a corporation of Wisconsin

No Drawing. Application May 17, 1938, Serial No. 208,499

7 Claims. (Cl. 260—124)

1. The process of making lignin which comprises the steps of mixing finely divided lignin-cellulose containing material with a dilute solution of sulphuric acid, containing between about .4% and about 5% of sulphuric acid, in the ratio from about 7 parts to about 10 parts of such acid to about 1 part of the dry substance, heating such mixture to between about 165 C. and about 280° C. under pressure between about 90 and 1000 pounds per square inch for between about two and about five minutes, and reducing the pressure to atmospheric.

2,156,160

LIGNIN MOLDING COMPOUND

Edgar T. Olson, Marquette, Mich., and Richard H. Plow, Phelps, Wis., assignors to Northwood Chemical Company, Phelps, Wis., a corporation of Wisconsin

No Drawing. Application May 17, 1938, Serial No. 208,501

5 Claims. (Cl. 106—39)

1. A thermo-setting molding compound comprising a finely divided substance which is substantially dry and substantially free from sulfur and mineral acids and which contains between about 95% and about 40% of lignin and between about 5% and about 60% of degraded cellulosic non-ligneous material, and which is formed by mixing finely divided lignin cellulose containing material with several times as many parts of dilute sulfuric acid and heating the mixture under a pressure of about 90 to about 1000 lbs. per square inch at a temperature of about 165° C. to about 280° C. for a period of from about two minutes to about fixe minutes, and an "organic plasticizer," said composition being capable of being molded into an article of the desired form when heated to between about 140° C. and about 200° C. and subjected to pressures from about 2000 lbs. to about 7500 lbs. per square inch in a mold.

2,156,161

SEALING DEVICE

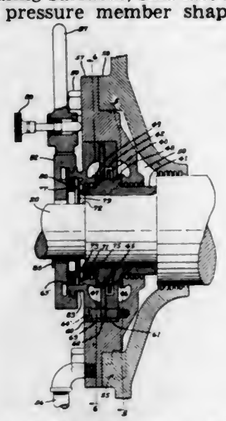
Robert H. Owens, Connersville, Ind., assignor to Roots-Connersville Blower Corporation, Connersville, Ind., a corporation of Indiana

Application April 10, 1937, Serial No. 136,106

7 Claims. (Cl. 286—7)

1. Apparatus of the character described comprising a casing, a shaft extending through said casing, means operable to maintain said casing and said shaft in sealed relationship when said shaft is at rest and comprising an annular sealing surface on said shaft concentric therewith, an annular sealing surface on said casing concentric with and surrounding said first named sealing surface and aligned therewith in spaced relationship, a sealing member adapted to be moved into contact with the sealing surfaces on said casing and said shaft, and means for pressing said sealing member into sealing relationship

with said sealing surfaces, said last named means including a pressure member shaped and posi-



tioned to applying pressure to a zone on said sealing member in alignment with the space between said sealing surfaces.

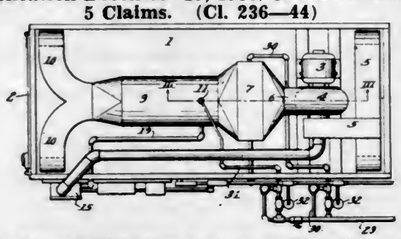
2,156,162

AIR CONDITIONING APPARATUS

Frederic D. Pfening and Murray Conklin, Columbus, Ohio, assignors to The Fred D. Pfening Company, Columbus, Ohio, a corporation of Ohio

Application December 19, 1936, Serial No. 116,733

5 Claims. (Cl. 236—44)



2. Air conditioning and reconditioning apparatus for automatically governing the atmospheres of enclosed rooms comprising a motor driven blower, a supply duct leading from the discharge side of said blower to the interior of the enclosed room, a return duct leading from the interior of the room to the inlet side of said blower, a steam heated radiator disposed in said supply duct, a steam admitting nozzle entering said supply duct, a source of steam supply, pipe lines leading from said source of steam supply to the radiator and steam inlet nozzle of said supply duct, an electrically operated valve arranged in each of said pipe lines, independently operating wet and dry bulb thermometric circuit controls disposed in said return duct, said controllers being operative to open and close primary circuits, and secondary circuits opening and closing in unison with the primary circuits, said secondary circuits having included therein said electrically actuated valves.

2,156,163

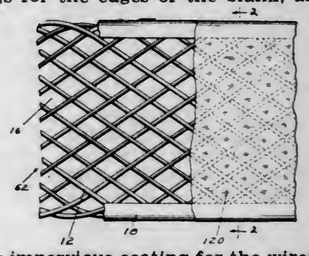
VENETIAN BLIND

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Original application September 19, 1935, Serial No. 41,199. Divided and this application March 6, 1937, Serial No. 129,296

1 Claim. (Cl. 156—17)

A translucent element for a blind or the like comprising an elongated blank of wires associated to form a mesh with relatively large open spaces, bindings for the edges of the blank, and a con-



tinuous impervious coating for the wires and said bindings which bridges integrally across said spaces, said bindings and said wires being imbedded in the material of said coating.

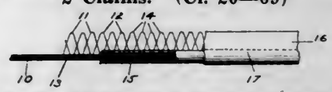
2,156,164

CORE MEMBER

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Original application August 15, 1936, Serial No. 96,194. Divided and this application September 4, 1937, Serial No. 162,441

2 Claims. (Cl. 20—69)



1. An elongated core member comprising a cordlike element of considerable length, a plurality of resilient wires having portions encircling and compressing said element at evenly-spaced points, said wires forming overlapping laterally-extending loops all of which are on the same side of the element.

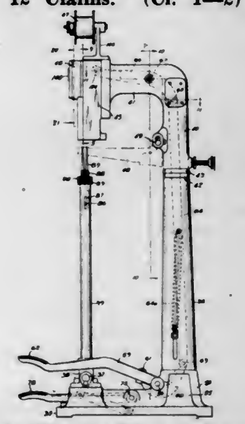
2,156,165

BOX STITCHER

William O. Sims, Niagara Falls, N. Y., assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application July 15, 1935, Serial No. 31,349

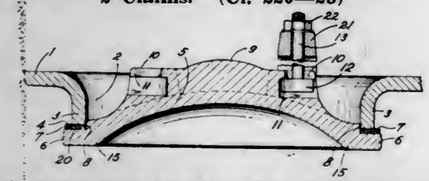
12 Claims. (Cl. 1—2)



5. In a stapling machine, a base, a clincher post pivotally mounted above its lower extremity in the front end of said base to tilt on a transverse axis, a transverse rock shaft mounted in

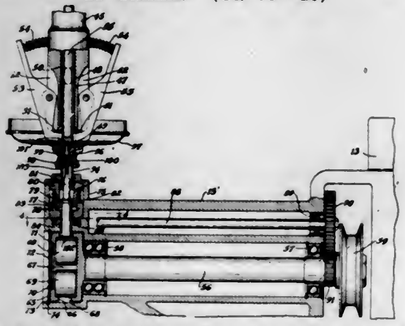
the base to the rear of the post, a foot pedal secured to said shaft and extending forwardly to one side of the pivotal mounting of the post, and operative connections located within the base extending from said rock shaft to the lower end of said post within the base for causing the oscillations of said shaft to impart tilting movements to said post.

2,156,166
MANHOLE COVER
Charles H. Smith, Cleveland, Ohio
Application December 16, 1936, Serial No. 116,168
2 Claims. (Cl. 220—25)



1. A one piece drop forged manhole cover having a dome shaped central wall and a peripheral, gasket receiving marginal flange, the metal connecting the dome wall to the flange being greater in thickness than the central part of the dome wall, the cover having an integral rib extending lengthwise of the dome wall on its outer side and provided with laterally opening bolt receiving sockets.

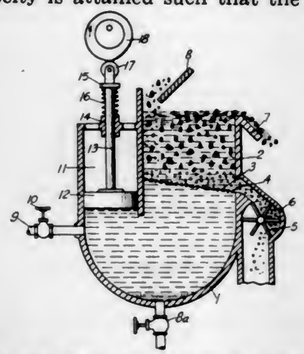
2,156,167
RIVETING MACHINE
Floyd C. Snyder and Gra. C. Brown, Massillon, Ohio, assignors to Akron Automatic Machine Company, Akron, Ohio, a corporation of Ohio
Application May 13, 1936, Serial No. 79,492
13 Claims. (Cl. 78—46)



1. An apparatus including a rotating cage having a peripheral groove and a radial groove, said radial groove extending entirely through the cage on one diameter and being open at opposite ends through the peripheral groove and open throughout its length through one side of the cage, pressure rollers freely mounted in the radial groove, removable means associated with the open side of the radial groove for retaining the rollers in the cage, and a tool shank slidably mounted adjacent to the cage and projecting into the peripheral groove thereof.

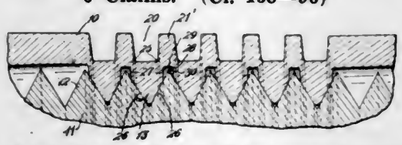
2,156,168
METHOD FOR CONCENTRATING MATERIALS
Bertram D. Thomas, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
Application March 2, 1937, Serial No. 128,637
1 Claim. (Cl. 209—455)

The method of separating and sorting solids, which comprises subjecting a bed of solid particles to be separated to liquid currents in successive pulsion and suction phases, each of the pulsion phases being produced by forcing a current of liquid upwardly through the said bed and initially increasing the velocity of said current substantially continuously and progressively until a velocity is attained such that the said bed



is opened up and a maximum condition of hindered settling consistent with effective separation is produced, and thereafter maintaining the velocity of said current substantially constant at the said attained velocity during the major portion of said pulsion phase to substantially maintain the said maximum hindered settling condition.

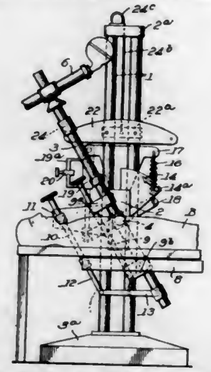
2,156,169
THREADED HOLLOW ARTICLE
Herman A. Unke, Lakewood, Ohio
Application May 28, 1936, Serial No. 82,263
6 Claims. (Cl. 138—96)



1. A tubular metal article for screw connection with a threaded member, having a continuous helical groove formed in one side of the wall of the article and a solid continuous helical thread of more than one convolution on the other side of the wall directly opposite the groove and formed by metal displaced from the wall by the forming of said groove, the adjacent convolutions of said thread defining therebetween a continuous groove into which the thread of said member can be screwed.

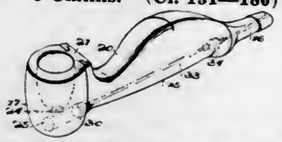
2,156,170
APPARATUS FOR MAKING RADIOGRAPHS OF BODY SECTIONS OR BODY LAYERS
Emil Augustin, Kurt Fügmann, Willy Klein, Heinrich Schliemann, and Heinrich Herrmann, Berlin, Germany, assignors to Electricitäts-gesellschaft "Sanitas", Berlin, Germany, a corporation of Germany
Application October 25, 1935, Serial No. 46,650
In Germany November 3, 1934
20 Claims. (Cl. 250—58)

1. Apparatus of the class described comprising, in combination, a swinging system including an X-ray tube and an X-ray sensitive layer holder, positively connected and adapted to swing as a unit in opposite directions in a plane at right angles to the body section to be radiographed and about an axis located in the plane of said body section, and means to maintain said X-ray sensitive layer always parallel to the plane of the body section to be radiographed, during the swinging movement of said system about said axis, the construction and arrangement being such that an



X-ray passing through any point of the body section to be radiographed will always strike the same point of said sensitive layer during said swinging movement; and means to act upon said swinging system during said swinging movement to render said movement uniform.

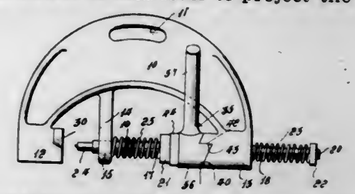
2,156,171
PIPE
Walter W. Bernard, Greeneville, Tenn.
Application September 25, 1937, Serial No. 165,758
8 Claims. (Cl. 131—180)



1. A magazine pipe comprising, in combination, a body having a hollow interior providing a tobacco-storage chamber; a pipe stem secured to one end of the body; a pipe bowl mounted on the other end of the body; a smoke conduit connecting the bowl end with the pipe stem; said bowl being vertically reciprocable on guides formed on the body; and a spring-actuated lock on the body engaging the bowl when moved to its lowermost position and also when moved to its uppermost position to lock the bowl in either position; the mouth of said bowl being below the tobacco-storage chamber when the bowl is in the lowermost position so that tobacco may then be moved from the chamber to the bowl.

2,156,172
RAIL PUNCH
Pearl M. Bibb, Fayetteville, W. Va.
Application June 23, 1938, Serial No. 215,487
5 Claims. (Cl. 164—101)

1. A rail punch comprising an arch shaped member, a punch having its shank slidably mounted in one of the ends of said arch shaped member, said end being provided on its inner side with a cam face, a lever having a socket portion loosely mounted on said shank, said socket portion having a cam face corresponding to said other cam face, spring means normally retaining said punch in a retracted position and said cam faces in flush engagement, and means adjustably connected to the shank of said punch and engaging the socket of said lever to project the punch

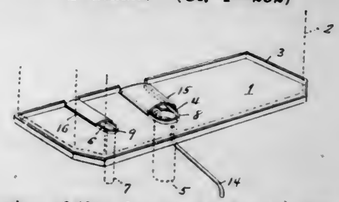


into engagement with the opposite end of the arch when the lever is moved relatively to the arch.

2,156,173
COMPOSITION AND METHOD FOR PREVENTING INCRUSTATION
Paul G. Bird, Western Springs, Ill.
No Drawing. Application March 13, 1937, Serial No. 130,691
2 Claims. (Cl. 87—27)

1. The method of preventing incrustation in systems containing water capable of depositing scale-forming substances which comprises adding to the water therein a small quantity of a fusion product of about 55 parts of sodium monohydrogen phosphate and about 45 parts of sodium acid sulfate.

2,156,174
DRIP PAN FOR FLUSH TANKS
Frank C. Braatz, Chicago, Ill.
Application April 16, 1938, Serial No. 202,530
1 Claim. (Cl. 4—252)

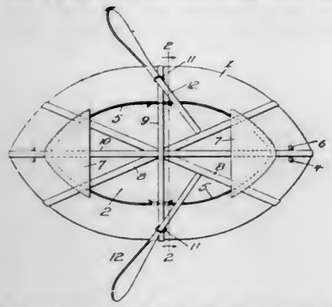


A device of the class described for use beneath a flush tank having a pair of delivery and supply pipes extending to the bottom thereof adjacent the center and one end of the tank, respectively, comprising a pan having a hopper-like bottom adapted to be disposed beneath said tank, an edge flange surrounding said bottom and fitting around the bottom of the tank with a slight clearance between the same and said tank, said bottom having a pair of slots extending inwardly from the rear edge, whereby said pan may be manipulated rearwardly to locate the pipes in the inner ends of said slots and elevated along the pipes to the bottom of the tank, said pan being provided with edge flanges around said slots to prevent leakage therethrough, removable cover plates for said slots fitting over the edge flanges thereof and between the edge flange of the pan and said pipes and enclosed in the elevated position of the pan by the latter and the bottom of the tank against access thereto, a clamp on the bottom of the pan attachable to the delivery pipe to hold the pan in elevated position, and a drain pipe extending from the bottom of the pan.

2,156,175
PNEUMATIC BOAT
Letha A. Brown, Kansas City, Kans.
Application November 24, 1937, Serial No. 176,351
1 Claim. (Cl. 9—2)

A foldable pneumatic boat comprising a substantially oval shaped body having pointed ends

and formed from waterproof fabric material into a continuous tubular casing, an inflatable tube in said casing and including sections shaped in substantially arcuate formation and having flat ends disposed in end to end engagement for cooperation of the sections with each other to follow the shape of the casing, valve means for each section, said casing being slit longitudinally to provide access means to the interior thereof for inserting and removing the tube, a slide fastener for the slit portions for securing the same to-



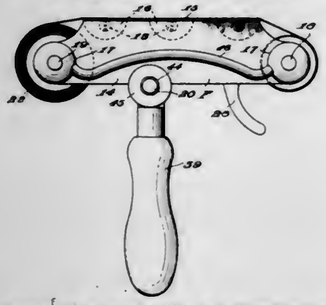
gether, a waterproof fabric bottom for the boat and secured to the underside of said body, reinforcing straps for the body and bottom and secured thereto in a manner to follow the transverse curvature of the body and for disposal diagonally, transversely and longitudinally of the bottom on the upper and lower surfaces thereof, oar locks secured to the transversely disposed straps, and substantially triangular shaped pieces of fabric material secured to the upper side of the body at the ends thereof to bridge the same and providing seats.

2,156,176

DEVICE FOR DELIVERING METALLIC LEAF FROM A PACKAGE THEREOF

Edward J. Cavanaugh, Brattleboro, Vt., assignor of one-fifth to Fenton E. Batton, Brattleboro, Vt.

Application September 1, 1938, Serial No. 228,067
8 Claims. (Cl. 242—55)



1. A device for use in the application of metallic leaf comprising a frame, a supporting handle adjustably connected with the frame, a flat leaf supporting plate connected with the frame, a leaf roll supporting stud adjacent one end of the frame, a stud at the opposite end of the frame for supporting a roller for withdrawing leaf from the roll into working position on the supporting plate, and finger actuating means accessible from the handle for imparting intermittent rotation to the second named stud, the handle being supported by a third stud, and the frame including a plate adjustably connected with the third stud for providing a drag on the roll and for permitting the application of rolls of various widths on the first named stud.

2,156,177

PREPARATION OF CHLORIDES OF HIGHER FATTY ACIDS

Alfred Dierichs, Leverkusen-Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 21, 1938, Serial No. 214,943. In Germany July 31, 1936
5 Claims. (Cl. 260—408)

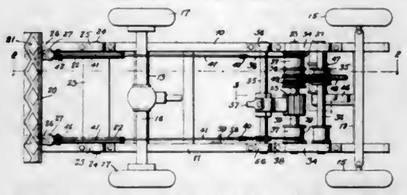
1. Process for the manufacture of chlorides of higher fatty acids which comprises heating a liquid higher fatty acid with phosgene in the presence of and in contact with charcoal at a temperature between about 100° and about 250° C.

2,156,178

MOTOR VEHICLE BRAKE

Tom Gyure, Bakersfield, Calif.

Application May 13, 1938, Serial No. 207,815
5 Claims. (Cl. 188—5)



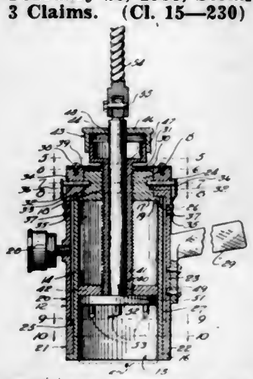
1. In a motor vehicle brake of the character described, a motor vehicle chassis having side bars, a pivotally mounted ground engaging brake shoe extending transversely of the rear end of the chassis bars, means for normally holding the brake shoe in an elevated inoperative position, and manually operable means at the forward end of the chassis for operating the brake shoe including a pair of shafts having cables wound thereon, a manually operable hand wheel for exerting a pull on the cables and a rod connection between the brake shoe and one of said shafts.

2,156,179

POLISHING AND ABRADING HEAD

Oliver P. Hill, Charleston, W. Va.

Application February 26, 1938, Serial No. 192,845
3 Claims. (Cl. 15—230)



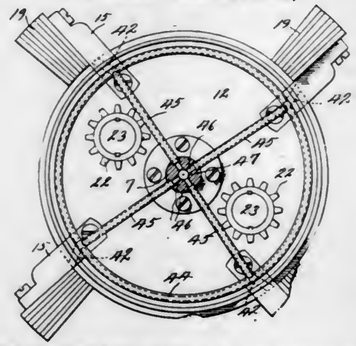
3. In a polishing and abrading mass operating and adjusting head, a rotatable receiver for slidably confining said mass therein in extended relation with respect to the outer end thereof, a stationary holder for said receiver, means for rotatably connecting the receiver to the holder and for preventing relative axial movement of the holder and receiver, rotatable means extended into and for bodily rotating the receiver therewith, said rotatable means being arranged rearwardly of said mass, couplers for connecting said mass to said rotatable means to cause said mass to bodily rotate, said rotatable means and receiver having adjustably interengaging portions for causing a part of said mass to be outwardly extended with respect to the said end of the receiver to compensate for wear on the outer end of the mass.

2,156,180

ROTARY ENGINE

Jack E. Horner, Dinsmore, Fla.

Application September 2, 1937, Serial No. 162,193
4 Claims. (Cl. 123—11)



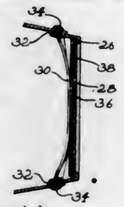
1. The combination with a rotary engine comprising a casing, discs mounted in said casing, cooperating pistons carried by said discs, means for moving said pistons towards and away from each other for the cycles of operation thereof, a shaft carried by said disc and driven thereby, of breather conduit means extending through the shaft and in communication with the chambers between the pairs of pistons and through the rim of one of said discs.

2,156,181

MASK

Honel A. Jackson, Detroit, Mich.

Application January 21, 1938, Serial No. 186,043
3 Claims. (Cl. 2—8)



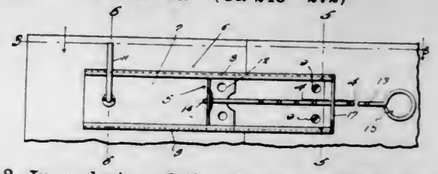
1. A mask comprising a narrow U-shaped band, a substantially semi-circular band having its opposite ends pivotally secured to the leg portions of said U-shaped band, substantially parallel arms having one end of each pivotally secured to said U-shaped band, a rectangular frame pivotally secured between said arms and the opposite ends thereof, a transparent member in said frame, and a resilient holding frame having pointed projections at its opposite sides for engagement in said last named pivot points for holding said transparent material in said rectangular frame.

2,156,182

SHADE BRACKET

Joseph A. Jumonville, New Orleans, La.

Application October 4, 1938, Serial No. 233,291
2 Claims. (Cl. 248—272)



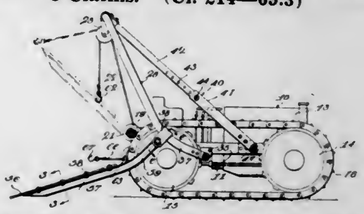
2. In a device of the character described, an attachment plate provided with a pair of opposed parallel channels, a shade roller bracket having a base flange in sliding contact with said plate and opposite end edge portions of the base flange engaging in said channels, and a push and pull rod for said bracket secured at one end thereof with the bracket to facilitate sliding the bracket to a desired position of adjustment on the mounting plate, said mounting plate at one end thereof provided with a flange having a slot therein accommodating said rod, and said rod being provided with a longitudinal series of notches adapted to be selectively engaged with the slot in the last-named flange for releasably securing the bracket at the desired position of adjustment, and a spring member mounted on the mounting plate and resiliently bearing against said rod for releasably maintaining a notched portion of the rod in engagement with the slotted portion of said flange.

2,156,183

LOGGING APPARATUS

Elsie H. King, South Bend, Wash.

Application May 9, 1938, Serial No. 206,860
5 Claims. (Cl. 214—65.3)



1. A logging attachment for a tractor comprising a substantially U-shaped member, means engaging the bight of the member and the frame of the tractor for supporting the member with the bight thereof in upstanding position, laterally projecting studs fixed relative to the tractor and engaging the lower ends of said member for securing the free legs of the member to the frame of the tractor, a rotatable member carried by the bight of the U-shaped member, a flexible member engaging about said rotatable member, a skid member, a U-shaped shackle fixedly secured to the legs of said U-shaped member adjacent the lower ends thereof, and means swingably securing said skid member to said shackles.

2,156,184

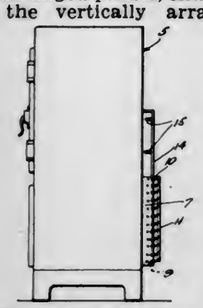
REFRIGERATOR ATTACHMENT

Oscar K. Koski, Selma, Calif., assignor of one-fourth to John A. Frame, Selma, Calif.

Application November 23, 1937, Serial No. 176,135
2 Claims. (Cl. 34—26)

1. A rack for supporting articles relative to a fan exhaust opening of a mechanical refrigerator comprising a frame structure mounted on a

refrigerator and partly surrounding the fan exhaust opening thereof and including a lower panel and vertically arranged panels, shutters pivotally mounted on the vertically arranged panels,



means for adjusting the shutters to direct the exhaust from the refrigerator upwardly between the vertically arranged panels, and means carried by one of said vertically arranged panels for supporting articles.

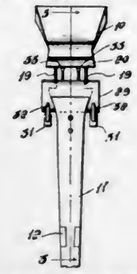
2,156,185
KNITTING MACHINE
Nathan Levin, Philadelphia, Pa., assignor to H. Brinton Company, Philadelphia, Pa.
Application April 26, 1930, Serial No. 447,728
16 Claims. (Cl. 66—135)



1. In a knitting machine, a row of independent needles, means for knitting a body fabric on the needles, means for elevating needles selectively to different heights at different times in the formation of a course of stitches, and means governed by the height to which a needle is elevated for wrapping different pattern yarns about the same elevated needle at such different times.

2,156,186
VISE
William Maki, St. Maries, Idaho
Application September 23, 1937, Serial No. 165,385
2 Claims. (Cl. 81—25)

1. Apparatus of the class described comprising a pair of jaws, means mounting one of the jaws for pivotal movement relatively to the other, a yoke surrounding the jaws, teeth on the yoke, a pawl mounted by one of the jaws engageable with the teeth, means mounted by the yoke engageable with the other jaw to tighten the jaws, the jaw carrying the pawl having a recess in which the pawl is loosely disposed, means preventing lateral displacement of the pawl, comprising fingers disposed on opposite sides of the jaw having the recess, said fingers being weight-



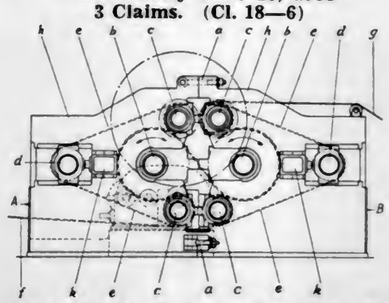
ed to urge the pawl into engagement with the teeth, and projections on the pawl disposed between the side members of the yoke.

2,156,187
WIRE BENDING AND CLENCHING TOOL
William Medved, Fairbanks, Territory of Alaska
Application December 15, 1937, Serial No. 180,008
2 Claims. (Cl. 81—9.3)



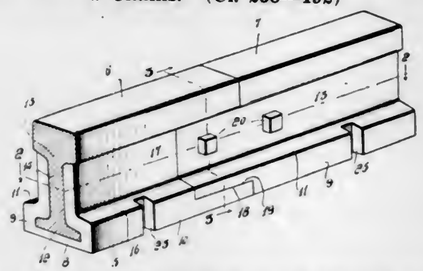
1. In a tool of the class described, a body having a passage therethrough, a rack bar slidably arranged in the passage, a handle member, means for retracting and projecting the rack bar by movement of said handle member, a member provided with jaws, and pivoted to an end portion of the body and having a part engaged by the rack bar when the same is projected to swing the jaws against a part of the body to grip a member between the jaws and a part of the body.

2,156,188
VULCANIZING APPARATUS
Hermann Meyer, Sr., Hanover, Germany
Application May 10, 1938, Serial No. 207,123
In Germany June 18, 1935
3 Claims. (Cl. 18—6)



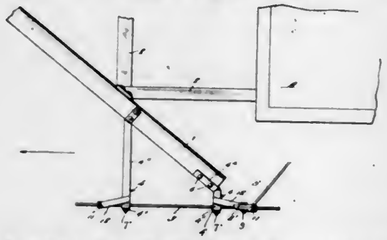
1. An apparatus for vulcanizing both sides of caoutchouc belts or the like, comprising two associated vulcanizing units symmetrically arranged end to end opposite to one another, each unit comprising a vulcanizing cylinder an endless presser band having a portion passing about the major portion of the circumference of the cylinder leaving the remaining portion of the cylinder free from contact with said band, guide rollers adjacent the cylinder positioned to guide the band around said major portion of said cylinder and away from said cylinder and means for tensioning the presser band, said units being arranged with the said remaining portions of the cylinders facing each other whereby the belt may be introduced between the cylinder and presser band of one unit, and passed between the cylinder and band of the said unit, and then lead off the cylinder of said unit and between the cylinder and band of the other unit in a substantially S shaped path round and in contact with the respective cylinders of both units.

2,156,189
RAIL JOINT
Mike Mitin, Cleveland, Ohio, assignor of thirty per cent to Julius Neuvirth, Cleveland, Ohio
Application December 4, 1937, Serial No. 178,160
2 Claims. (Cl. 238—192)



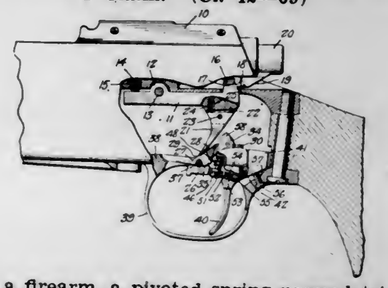
1. A rail joint comprising in combination with the meeting ends of rails, a pair of duplicate chair members, each chair member including a base plate and upstanding side flanges for intimate contact with the base flanges and webs of the rails, corresponding side flanges of each chair member being cut away on a vertical plane inwardly of the abutting ends of the base plates and the other side flanges respectively extending beyond the abutting ends of the base plates a distance equal to the distance of the cut-away side flanges and terminating in vertical planes and with the relatively long and short side flanges abutting at each side of the meeting rail ends at points inwardly of the abutting ends of the base plates and rail ends seated in said chair members with their meeting ends in vertical alinement with the abutting ends of the base plates and in a plane intermediate of and parallel with the abutting ends of said flanges.

2,156,190
ATTACHMENT FOR ROAD GRADER BLADES
Harold A. Neuman, Superior, Wis.
Application January 10, 1938, Serial No. 184,326
1 Claim. (Cl. 37—143)



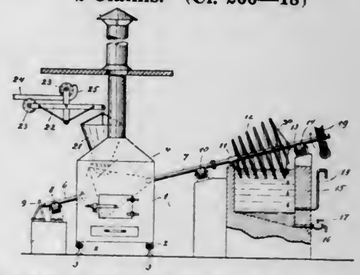
In a road machine including its mould board, a vertically arranged elongated member, brackets secured to the mould board and having their free ends disposed on perpendicular planes and slotted fastening elements passing through the elongated member and slots in the free ends of the brackets and slidably connecting them together, a rearwardly and inwardly extending leveling-late adjustably secured to the rear end of the elongated member, oppositely extending arms secured adjacent the outer extremities of the brackets and having their free ends notched and disposed over the elongated member and flexible elements connected to the elongated member with their free ends removably secured in the notched ends of the arms.

2,156,191
FIREARM
Ralph H. Pike, Kalispell, Mont.
Application October 21, 1938, Serial No. 236,328
1 Claim. (Cl. 42—69)



In a firearm, a pivoted spring pressed trigger, a pivoted spring pressed flipper, interlocking means between the trigger and flipper yieldably holding the flipper in set position, a sear, interlocking means between the sear and flipper engageable by movement of the flipper under impulse of the trigger, after release of the first named interlocking means to release the sear, a weight control spring connected to the trigger and exerting pressure against the trigger to hold the first named interlocking means in operative position, a weight control screw having a worm thread engaging said spring to vary tension on the spring, said screw having a head provided with a circumferential groove, there being notches in the bottom of said groove, and a spring pressed plunger disposed laterally of the screw head and engageable in said groove and notches to provide audible "clicks" as the plunger rides from the grooves into the notches during rotation of the screw.

2,156,192
PLANT FOR WORKING MERCURY ORES
Jorge Plüschke, Mexico, D. F., Mexico
Application August 20, 1938, Serial No. 226,002
In Mexico August 21, 1937
2 Claims. (Cl. 266—18)



1. A plant for working mercury ores, comprising a drum for receiving the ore, a furnace for roasting the ore contained in said drum, shafts forming the axle of said drum fitted to its extremities and supported at different heights so

as to give the drum an inclined position, the shaft issuing from the higher extremity of the drum being hollow, a water-cooled coil connected with said hollow shaft and rotating with it and having its outer end open for discharging the condensed mercury vapors in form of mercury drops, and means for rotating the axle of the drum.

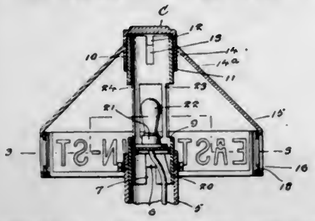
2,156,193
ANTISEPTIC, DISINFECTING, AND PRESERVING MEDIA
Bruno Puetzer, Albany, N. Y., assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 14, 1934, Serial No. 757,547. In Germany December 16, 1933
9 Claims. (Cl. 167—22)

2. An antiseptic, disinfecting, and preserving medium comprising essentially, as an active ingredient, a compound of the group consisting of a guanyl and biguanyl compound of the formula:

$$R{-}X{-}C{-}NH{-}R_1 \quad (\parallel NR_2)$$

wherein R stands for an aliphatic radical containing 10 to 16 carbon atoms selected from the group consisting of hydrocarbon radicals and of aliphatic radicals which contain oxygen and sulfur as members of the aliphatic chain, R_1 stands for a substituent selected from the group consisting of hydrogen, alkyl and the guanyl group, R_2 stands for a substituent selected from the group consisting of hydrogen and alkyl and X stands for a member selected from the group consisting of oxygen and sulfur atoms.

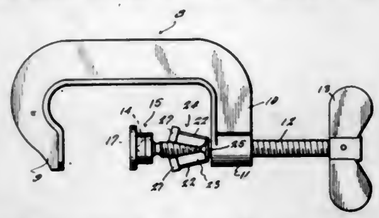
2,156,194
COMBINED STREET LIGHT AND SIGN STRUCTURE
Roy W. Ranney, Mendota, Ill.
Application June 6, 1938, Serial No. 212,194
5 Claims. (Cl. 40—131)



5. A device of the character described, comprising, a shade provided with indicia carrying windows, and a hollow shade support member extending through said shade and connected to the latter, said member provided with light openings arranged in alignment with said windows whereby light from a light source within said member will illuminate said windows to accentuate the indicia thereon without shadowing said indicia with said member.

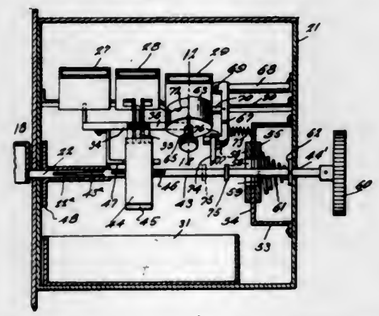
2,156,195
CLAMP
Levis Robillard, Houston, Tex.
Application June 25, 1937, Serial No. 150,395
2 Claims. (Cl. 144—305)

2. In a construction of the class described, a C-shaped frame, one end thereof terminating in a relatively fixed work engaging jaw, the opposite end being provided with a relatively small feed screw hole non-threaded, and being further provided with a smooth walled socket in communication with said feed screw hole, said socket being of a diameter greater than the hole to accommodate a bodily insertable and removable feed nut, diametrically opposite portions of said socket being provided with grooves con-



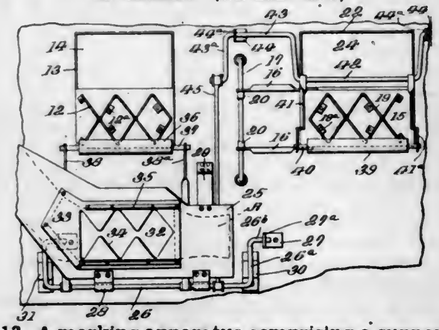
stituting keyways, a feed nut fitting in said socket, said nut comprising a carrier ring having a central annular collar in alignment with said feed screw hole, a pair of resilient members attached to said carrier ring and projecting laterally therefrom and terminating at their free ends in segmental screw threaded nut forming portions, said members being provided with ribs forming keys fitting removably in said keyways.

2,156,196
VENDING MACHINE
Joseph E. Romanoski, Huntington, N. Y.
Application April 28, 1937, Serial No. 139,595
2 Claims. (Cl. 312—48)



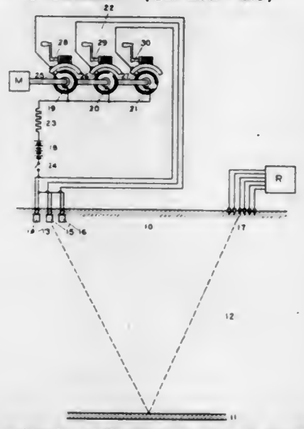
2. In a dispensing cabinet, a tray supported for rotation therein, a shaft connected with the tray and having a non-circular socket therein, a second shaft having a non-circular part for engaging the socket, said second shaft being supported by said cabinet for rotary and sliding movement, said cabinet being provided with a stationary member having an opening therein through which the second shaft passes and an elongated slot extending from the opening, an elongated projection carried by the second shaft, spring means for normally holding the second shaft in a position with the projection in the slot for preventing rotary movement of the second shaft and a knob on the second shaft for moving the second shaft longitudinally to free the projection from the slot after which the second shaft can be turned to rotate the first shaft and the tray, a disk connected with the first shaft and having shoulder forming notches therein and a spring-pressed dog on said cabinet adjacent said disk for engaging the shoulders for preventing turning movement of the shaft in one direction.

2,156,197
MARKING APPARATUS
Hamilton Rumrill, Hillsboro, N. H.
Application April 13, 1938, Serial No. 201,814
13 Claims. (Cl. 101—296)



13. A marking apparatus comprising a supporting table, a stationary die mounted on said table, an article supporting member having an opening over which the article is supported, said article supporting member being movable in one direction away from said stationary die and being movable in the opposite direction to a position with said stationary die extending through said opening for marking one side of the article, means operated by said article supporting member for applying an additional marking substance to said stationary die when the article supporting member is moved away from said stationary die, and a movable die pivotally mounted on said supporting table on an axis disposed at right angles with respect to the pivotal axis of said article supporting member and movable to a position directly above said stationary die with the article disposed between the said dies for marking the opposite side of the article.

2,156,198
METHOD FOR SEISMIC PROSPECTING
Serge Alexander Scherbatskoy, Tulsa, Okla., assignor to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Oklahoma
Application February 15, 1937, Serial No. 125,851
3 Claims. (Cl. 181—0.5)



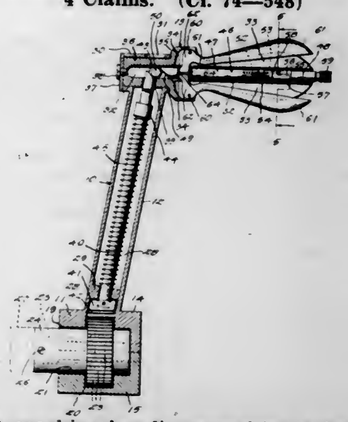
1. The seismic reflection method in which the waves reflected from a geologic horizon are used to determine the contour of the said horizon, comprising determining the frequency characterizing waves reflected from the said horizon, arranging a plurality of explosive charges substantially at the same point below the earth's surface, and detonating said charges successively with a frequency substantially equal to the said frequency characterizing the reflected waves.

2,156,199
ELECTRICAL INDICATOR
John P. Smith, Jr., Ridgewood, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application August 28, 1937, Serial No. 161,5[illegible]
4 Claims. (Cl. 171—95)



1. A device of the character described comprising an attenuator having a series arm and a shunt arm forming a constant impedance network, a potentiometer connected across said shunt arm with the first terminal of its winding connected between said arms, and a voltage meter having one terminal connected to the adjustable contact of said potentiometer and its other terminal connected to the second terminal of said potentiometer winding.

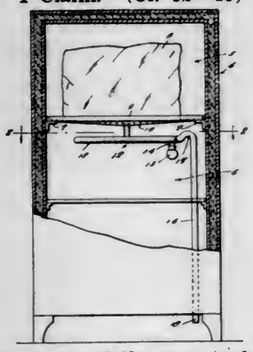
2,156,200
MACHINE HANDLE
Norman B. Smyers, Brea, Calif.
Application February 3, 1938, Serial No. 188,571
4 Claims. (Cl. 74—548)



1. A machine handle comprising a head provided with a recess, a hollow stem extending from said head and communicating with said recess, a handle secured to said stem at an angle thereto, and having a longitudinal bore, a socket provided with an annular toothed collar rotatably mounted in said head, a rod slidably mounted in said stem, a toothed dog mounted on one end of said rod to mesh with said toothed collar, a spring normally urging said dog out of engagement with said collar, the opposite end of said rod extending into the bore of said handle and being beveled on its underside, a shaft formed of two sections slidably mounted in said bore, the upper end of the upper section being beveled to face the beveled end of said rod, a spherical member mounted between and in engagement with said beveled faces, levers pivotally mounted in said handle and having inwardly extending ears to engage the upper section of said shaft to raise it when said levers are compressed to actuate said spherical member to project the rod to lock said dog

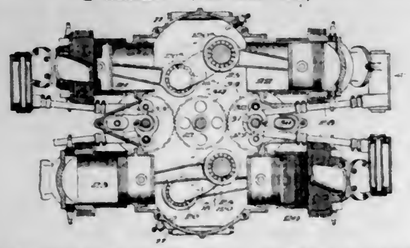
and collar to rigidly retain the socket in the head, said lower section having a reduced portion on one side forming a slot and a circumferential groove in its opposite side communicating with the lower end of said slot, a pin mounted in the handle and extending through said slot, and means to raise said lower section to aline the pin and groove and for turning the lower section to move the groove into engagement with the pin to lock it in a raised position to retain the upper section in a raised position.

2,156,201
REFRIGERATOR
Willie Eugene Snipes, Sr., Charleston, S. C.
Application October 29, 1937, Serial No. 171,779
1 Claim. (Cl. 62—46)



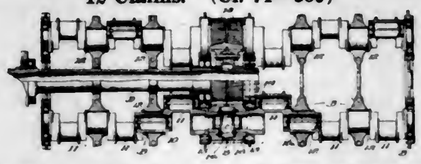
In a refrigerator of the type including an insulated box having one or more article supporting shelves therein, a horizontally arranged ice receiving pan in the upper portion of the box, a horizontally arranged tubular coil located under the pan and above the upper shelf to permit articles to be placed on the shelf between the shelf and said coil, a tube connecting the inner end of the coil with the pan for leading water from the pan into the coil, a gooseneck connected with the outer end of the coil and extending upwardly, a discharge pipe connected with the gooseneck and extending through the bottom of the box, a depending nipple connected with an outer portion of the coil and a sediment collecting cup detachably connected with the nipple.

2,156,202
AIRPLANE ENGINE
Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application December 23, 1936, Serial No. 117,378
1 Claim. (Cl. 123—56)



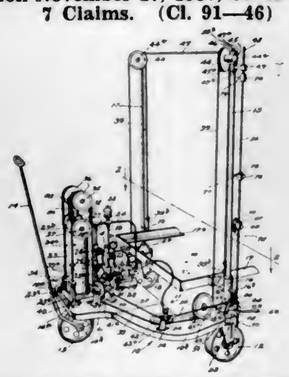
In an internal combustion engine, a propeller shaft, a pair of crank shafts arranged at diametrically opposite sides of the propeller shaft and operatively associated therewith, each crank shaft having a pair of oppositely extending crank arms with each arm of one crank shaft alined with an arm of the other crank shaft transversely of said shafts, a pair of opposed cylinders for each crank shaft, pistons in said cylinders and a connecting rod between each piston and one of said crank arms, the disposition of the crank arms relatively to their respective shafts being such that the transversely alined arms will move toward each other during a portion of one revolution and, during the remainder of such revolution will move away from each other, with one alined pair of arms moving toward each other while the other alined pair move away from each other, the inertias of the opposing offset connecting rods and cranks counterbalancing each other at all times and the inertias of the transversely alined crank arms counterbalancing each other whereby a substantially uniform torque is imposed on the propeller shaft.

2,156,203
MULTICYLINDER ENGINE
Louis R. Spencer, West Hartford, Conn., assignor to Spencer Aircraft Motors, Inc., Hartford, Conn., a corporation of Connecticut
Application January 27, 1938, Serial No. 187,295
12 Claims. (Cl. 74—389)



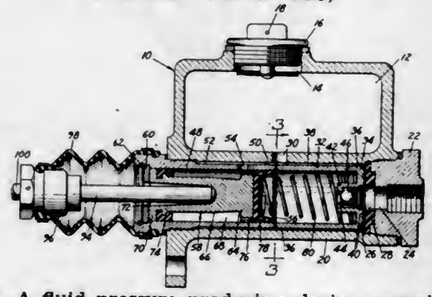
1. The combination of a driven shaft, a gear on said shaft, a sectional crank shaft disposed longitudinally of the driven shaft, gear members on said crank shaft sections meshing with the driven shaft gear, and means releasably locking said crank shaft sections rigidly together, the gear members of the crank shaft being movable axially of the driven shaft for rendering said locking means operative.

2,156,204
DIPPING MACHINE
George Stolze, Wausau, Wis.
Application November 17, 1937, Serial No. 175,139
7 Claims. (Cl. 91—46)



7. A vat dipping machine comprising a base adapted for operative association with a dipping vat, spaced upright standards carried by said base, a load supporting carriage mounted on and for movement between said standards, a cylinder on said base, a piston reciprocable therein and having a rod projecting slidably through one end of the cylinder, a circulatory fluid system in operative connection with opposite ends of said cylinder, base carried means for maintaining a fluid pressure in said system for operating said piston, a valve control for said piston, a positive operating connection between the projecting portion of said piston rod and said carriage for vertically reciprocating said carriage in accordance with the movement of said piston, actuator means supported by said base and operatively connected with the fluid pressure system control valve, and means on said carriage for operating said actuator at predetermined points in the path of travel of the carriage.

2,156,205
FLUID PRESSURE BRAKING SYSTEM
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 11, 1938, Serial No. 213,258
6 Claims. (Cl. 60—54.6)



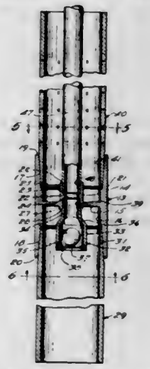
1. A fluid pressure producing device comprising a reservoir, a cylinder supplied therefrom having one of its ends open and its other end closed by a head provided with a discharge port, a sleeve secured in the open end extending inwardly of the cylinder, a shell supported for reciprocation in the cylinder having a controlled port registering with the discharge port, and a piston reciprocable in the sleeve and shell.

2,156,206
TROUSERS GUARD
Benjamin M. Takahashi, Harlowton, Mont.
Application June 13, 1938, Serial No. 213,533
1 Claim. (Cl. 2—232)



A fastening device for the lower end portion of a garment leg and comprising a tab fixed adjacent to the forward portion of the leg to one side of and adjacent to its longitudinal center to provide a free end portion for the tab, a reinforcing strip fixed to the leg adjacent to its rear portion upon the side thereof opposite to the connection of the tab with the leg and being diagonally disposed with respect to the lower end of the leg, companion snap fastener members secured to the free end portion of the tab and to the reinforcing strip respectively for detachably connecting the tab to the strip for holding the lower end portion of the leg in folded association about the ankle of the wearer, there being a plural number of snap fastener members on the strip for adjusting the folded portion about the ankle, and a snap fastener member on the same side of the leg as the strip and in close proximity to the tab for receiving the free end portion of the tab for connecting the free end portion to the leg when the tab is not in use.

2,156,207
APPARATUS FOR WASHING AND CEMENTING OIL WELLS
James E. Terrill, Joinerville, Tex.
Application February 4, 1938, Serial No. 188,752
9 Claims. (Cl. 166—1)

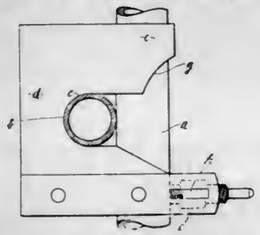


1. In an apparatus for the purpose set forth, an upstanding annular body open at each end and formed intermediate its ends with an axially apertured horizontally disposed internal abutment provided with an upstanding sleeve registering with said aperture, a valve structure depending from and permanently communicating with said sleeve, an imperforate annular liner attached to and depending from the lower end of said body, normally communicating with said sleeve and adapted to be closed to the latter by said structure on back flow of a cementing medium, a perforated annular liner attached to and extending upwardly from the upper end of said body, a conductor for and common to a washing and a cementing medium for selectively supplying said mediums to the sleeve, and said conductor and sleeve having coacting means for detachably connecting them together at the other end of the sleeve, said conductor when detached from the sleeve providing for supplying the cleaning medium to the perforated liner.

2,156,208
TUBULAR SCAFFOLDING BRACKET
Albert Archibald Thornton, Teddington, England, assignor to Thomas Patrick Sheehy and Samuel Emms, both of Kingston-on-Thames, England
Application February 23, 1938, Serial No. 192,109
In Great Britain June 3, 1936
3 Claims. (Cl. 189—36)

1. A releasable fastening device for fastening together upright and transverse scaffolding members, comprising a rigid bracket composed of a sheet of metal doubled to form an intermediate bend to fit around the upright member and a pair of substantially parallel legs to lie at opposite sides of said member, said legs being slotted to form hooks located below said bend and engageable beneath the transverse member and capable of sustaining the full load of the latter, the portion of said bracket at the junction of the

upper portions of the slots with said intermediate bend being cut away to provide a pivot point therefor on the upright member which is

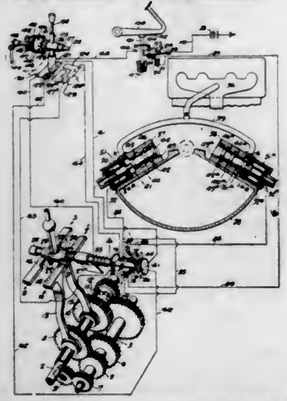


so located relatively to the hooks as to cause the latter to clamp the transverse member under the weight thereof and to release it by pivotal movements of the bracket on such pivot point.

2,156,209
GEAR CHANGING DEVICE

Edward J. Thurber, New Orleans, La., assignor of one-half to Ralph K. Rothrock, New Orleans, La.

Application February 25, 1936, Serial No. 65,714
43 Claims. (Cl. 74—336.5)



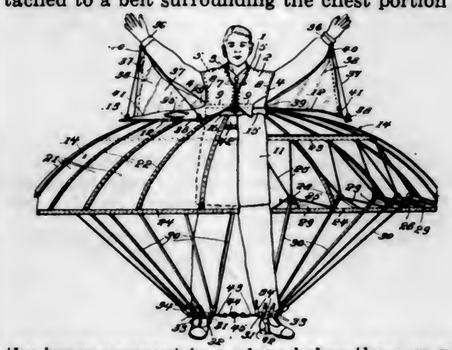
1. A gear changing device for changeable speed mechanism, comprising an actuating member having means for operatively connecting it to a gear changing element of said mechanism for shifting it to effect different gear changes, power means for operating said actuating member, controlling means for said power means settable into different positions for different gear changes, a speed responsive device, means connected to said controlling means for setting said controlling means for different gear changes embodying a member having means for connecting it to said speed responsive device for operation thereby to render the controlling means operative automatically and for disconnecting it from said speed responsive device to render the controlling means operative independently thereof at the will of the operator, and means cooperative with said member to restrict the operation thereof by the speed responsive device.

2,156,210
PARACHUTE GARMENT LIFESAVING DEVICE

William D. Upson, Arcade, N. Y.

Application July 5, 1938, Serial No. 217,526
5 Claims. (Cl. 244—143)

1. In a safety device of the character described, inner and outer garments attached together as a unit in the upper shoulder and chest portions thereof, the inner garment having a skirt portion depending from its chest portion and the outer garment having a vertically divided skirt portion overhanging the skirt portion of the inner garment, means for detachably securing the separable sections of the skirt portion of the outer garment together, a parachute body foldable normally between the skirt portions of said inner and outer garments, said parachute body being attached to a belt surrounding the chest portion of

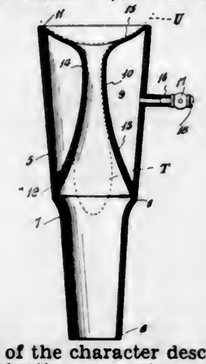


the inner garment in a plane below the arm pits and having adjustable strap means for tightening the belt around the adjacent body portion of the wearer, convergent stay cords attached to the under side of the parachute body adjacent its periphery and about an annular line inwardly from the periphery, ankle bands having retaining straps engageable under the feet of the wearer, and flexible stay members connecting the convergent portions of said stay cords with said ankle bands.

2,156,211
TEAT CUP FOR MILKING MACHINES

John Van Der Meulen, Blooming Grove, N. Y.

Application November 17, 1937, Serial No. 175,087
1 Claim. (Cl. 31—85)

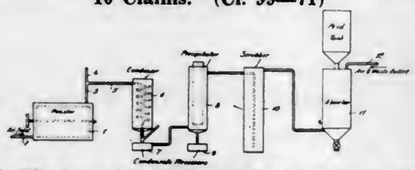


A teat cup of the character described comprising in combination an outer conical member formed of semi-rigid material and of tapered formation with a shoulder between the upper and lower ends thereof, an inner conical member of lesser diameter having its upper end connected to the side wall of the upper end of the outer member and its lower end connected to the shoulder of the outer cylindrical member and forming an annular chamber between said members, means for admitting air pulsations to the annular chamber, and the inner wall of the annular chamber being smooth and gradually increasing in thickness downwardly whereby air pulsations admitted to said annular chamber effect inward compression of the inner wall of the annular chamber from the upper end thereof downwardly.

2,156,212
TREATMENT OF VAPORS FROM COFFEE ROASTING

Gerald L. Wendt, New York, and Douglas Fronmulier, Middle Village, Long Island, N. Y., assignors to Coffee Products Corporation, New York, N. Y., a corporation of New York

Application February 25, 1936, Serial No. 65,584
10 Claims. (Cl. 99—71)

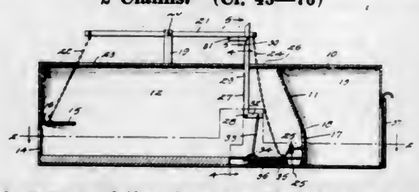


1. The process which comprises roasting coffee, selecting roaster vapors rich in aromatic principles, cooling such vapors to condense and remove readily condensable constituents, including water, precipitating entrained material from the vapors, and incorporating the aromatic principles from the cooled and purified vapors in a coffee product.

2,156,213
ANIMAL TRAP

Charles J. White, Longview, Tex.

Application April 14, 1938, Serial No. 202,122
2 Claims. (Cl. 43—76)



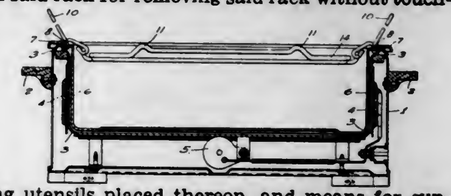
1. A trap of the class described having a casing provided with a receiving chamber and a captive chamber, a closure movably mounted to control communication between the chambers, the receiving chamber having an entrance and a closure movably mounted to cover and expose the same, a lever mounted on the trap, a connection between the second mentioned closure and the lever, trip means operable under the weight of a rodent, the first mentioned closure being engageable by the rodent, a connection between the lever and first mentioned closure, to actuate the lever to restore the second mentioned closure to open position, said trip means comprising a bell crank lever having a notch engageable with the first mentioned lever, a false bottom over which the rodent may travel, a connection between the false bottom and bell crank lever, a spring normally maintaining the false bottom in raised position and urging the bell crank lever into position for engaging the first mentioned lever.

2,156,214
RACK FOR RECTANGULAR ROASTERS

Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 23, 1936, Serial No. 102,076
13 Claims. (Cl. 53—6)

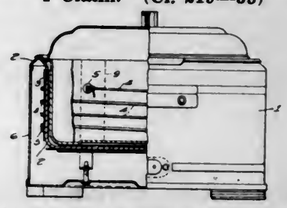
1. In a cooking appliance including a cooking chamber, a removable rack for use within said cooking chamber, said rack having its side portions extending laterally in reference to the plane of said rack and forming trivets thereon, means comprising swingable bails hinged to the ends of said rack for removing said rack without touching utensils placed thereon, and means for supporting the rack at a position somewhat near the top of said cooking appliance, said means comprising an intermediate bar located upon said hinged bails.



2,156,215
ELECTRIC ROASTER

Bernard F. Parr, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 20, 1936, Serial No. 111,798
1 Claim. (Cl. 219—35)



A cooking appliance comprising a cooking well, an electric resistance wire heater therefor, a sheet of insulating material wound about said well for insulating the heater therefrom, anchoring devices for attaching the electric resistance wire heater to the insulating sheet, each anchoring device being substantially flat and disposed substantially parallel to the adjacent portion of the insulating sheet and comprising an eyelet portion and a portion of J-shape, and means for securing each anchoring device to the insulating sheet comprising a rivet-like element having a shank extending through the insulating sheet and the eyelet portion and having head portions between which the insulating sheet and the eyelet portion are riveted or gripped, the electric resistance wire heater being wound about the well over the insulating sheet and tied to the J-shaped portions of the anchoring devices, the J-shaped portions being spaced from the insulating sheet sufficiently to permit the resistance wire heater to be wound on the J-shaped portions.

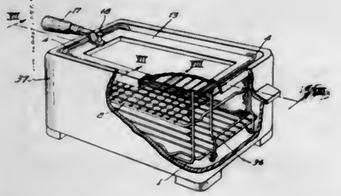
2,156,216
BROILER AND FRYER UNIT

William James Russell and Kenneth L. Woodman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 13, 1937, Serial No. 125,598
22 Claims. (Cl. 219—35)

12. The combination with an open top receptacle, of a rack disposed therein and resting on the bottom thereof, a heating unit hingedly supported on said rack adjacent the top of the receptacle and adapted to be swung upwardly thereon, said unit comprising a plate member and a heating

element beneath the plate member, the upper surface of the plate member constituting a cooking



surface and the lower surface constituting a reflecting surface.

2,156,217

REDUCTION WITH METHANOL

Chester E. Andrews, Overbrook, and Merrell R. Fenske, State College, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Original application November 30, 1934, Serial No. 755,356. Divided and this application December 14, 1937, Serial No. 179,664

18 Claims. (Cl. 260—156)

1. The process of preparing alcohols from an organic compound containing a carbonyl group which comprises heating said organic compound with methanal to a temperature of from 200° C. to 500° C. in the presence of an intimate mixture of an oxide of a reducing metal and an oxide of an acid forming metal.

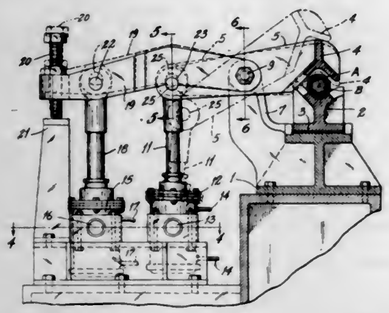
2,156,218

BILLET HANDLING DEVICE FOR TUBE MILLS

Walter J. Assel, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application June 20, 1938, Serial No. 214,712

10 Claims. (Cl. 80—11)



10. A billet handling device comprising a frame, a trough on said frame, brackets on said frame alongside of said trough, a lid for said trough hinged on said brackets and having an arm extending beyond its hinge point, a main pressure cylinder having a piston whose rod is connected to the free end portion of said arm for opening and closing said lid, a lever hinged on said brackets and extending beyond the connection of said arm with said piston rod, a second pressure cylinder whose piston is connected to the free end portion of said lever and which is adapted to overcome the closing effort of said first mentioned cylinder, and means for stopping the easing movement of said lever at a predetermined position.

2,156,219

CHEMICAL PLUGGING OF BRINE-BEARING STRATA

Thomas H. Dunn, Tulsa, Okla., assignor to Stanolind Oil & Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application June 5, 1937, Serial No. 146,661

3 Claims. (Cl. 166—21)

2. A one reagent method for plugging the pores of a brine-bearing stratum which comprises introducing a solution of lead nitrate into said stratum under pressure and into contact with the brine within the pores of said stratum to precipitate lead chloride therein and thus plug said pores.

2,156,220

CHEMICAL PLUGGING OF STRATA

Thomas H. Dunn, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Application June 30, 1937, Serial No. 151,176

4 Claims. (Cl. 166—21)

1. The method of shutting off unwanted fluid flow from a stratum encountered in a well which comprises introducing an aqueous solution of a magnesium salt into said stratum under pressure in excess of the normal well pressure and sufficient to overcome the hydrostatic pressure in said stratum, then introducing a solution of an hydroxide selected from the group consisting of sodium, potassium, ammonium and calcium hydroxides into said stratum, discontinuing the introduction of said hydroxide solution, and then continuing the application of pressure to maintain said two solutions in place for a substantial period of time to cause said two solutions to react with each other and form a copious, voluminous, gelatinous precipitate of magnesium hydroxide within the pores of said stratum thereby shutting off fluid flow therefrom.

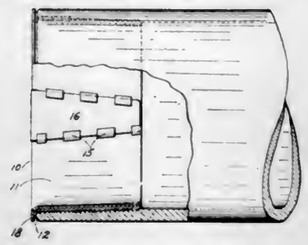
2,156,221

THREAD PROTECTOR

Julius Kahn and Walter F. Schulz, Cleveland Heights, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application May 3, 1937, Serial No. 140,310

1 Claim. (Cl. 138—96)



A protector for threads inside a pipe at one end thereof, comprising a longitudinally split annulus having a row of alternately disposed long and short lugs at each edge of the split, the short lugs of each row projecting inwardly radially of the annulus and concentrically thereof to form a wedge receiving space between the long and short lugs of each row, the long lugs of one row lying between and circumferentially overlapping the long lugs of the opposed row, and a wedge having opposite converging edges to engage between the lugs of each row and to spread said rows of lugs apart and expand the annulus against the inside of a pipe, said wedge being overlapped by the long and short lugs.

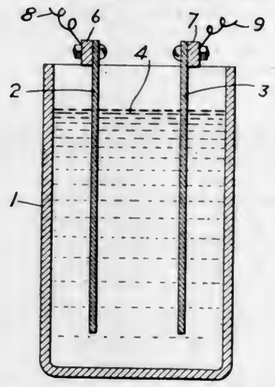
2,156,222

COUNTERELECTROMOTIVE-FORCE CELL

Harold P. Murphy, Ridley Park, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application February 23, 1937, Serial No. 127,010

12 Claims. (Cl. 175—315)



1. In an electrolytic cell of a special type having electrodes of the iron group and electrolyte of the alkali hydroxide group and adapted for use in electric circuits carrying direct currents, an electrolyte consisting of a solution of water, sodium hydroxide, ferrous sulphate, and tartaric acid.

2,156,223

METHOD OF PRODUCING PECTINLIKE SUBSTANCES

Philip Bliss Myers, Scarsdale, N. Y., assignor to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 25, 1935, Serial No. 23,453

18 Claims. (Cl. 260—344)

1. The process of making synthetic pectin which consists in heating the lactone of a uronic acid sufficiently under vacuum and in the presence of a catalyst taken from the group consisting of platinum black, zinc dust, or zinc chloride to form octa-uronic acid.

2,156,224

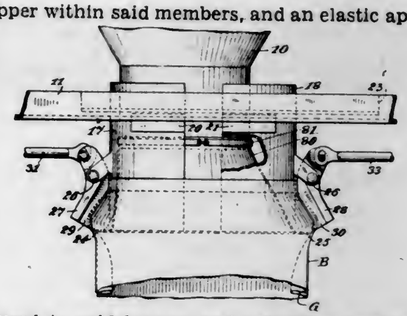
BAG FILLING DEVICE

Jacob J. Neuman, Jamaica, and Harry G. Neuman, Yorktown Heights, N. Y.; said Jacob J. Neuman assignor of his right to United States Patent Development and Royalty Company, South Salem, N. Y., a company of New York

Original application August 5, 1937, Serial No. 157,480. Divided and this application December 23, 1937, Serial No. 181,326

6 Claims. (Cl. 226—59)

1. A bag filling machine comprising relatively movable members, beadings on said members, a hopper within said members, and an elastic apron



secured to said hopper and extending over said beadings.

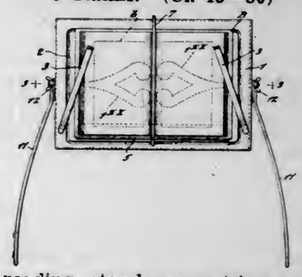
2,156,225

READING STAND

Allan Keith O'Meara, New York, N. Y.

Application February 17, 1938, Serial No. 190,946

3 Claims. (Cl. 45—80)



1. A reading stand, comprising a tray-like frame member formed with rearwardly extending marginal flanges, including side flanges and a top flange, a forwardly extending shelf-like flange carried by said tray-like frame member, a rod having an upper hooked end adapted to enter an aperture in the top flange and also adapted to enter an aperture in the shelf-like flange, said rod being adapted to engage a book at the vertical central section thereof when the book is open, yielding members carried by the tray-like frame member at its marginal area for engaging book leaves, longitudinally extending slots formed in the said side flanges, and supporting members in combination with means adjustably connecting them to the slotted areas of the tray-like frame member, said supporting members being adapted for disassembly and mounting within the rearwardly extending flanges of the tray-like frame member.

2,156,226

EASEL

Laura van Pappelendam, Chicago, Ill.

Application September 9, 1935, Serial No. 39,704

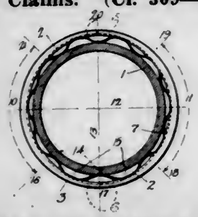
5 Claims. (Cl. 248—197)



1. The combination with an article supporting

frame of a pair of forwardly extending legs removably clamped to said frame at a plurality of points and a pair of rearwardly extending legs clamped between said forwardly extending legs and said frame intermediate the clamping points.

2,156,227
ENGINE PACKING
Rufus C. Payne, Chicago, Ill.
Application July 16, 1934, Serial No. 735,418
Renewed October 10, 1938
5 Claims. (Cl. 309—45)



1. A split piston ring having a pair of circumferential slots extending through the ring at each side of the diameter passing through the split in the piston ring and extending on opposite sides from points adjacent to the split to points adjacent to the portion of the ring diametrically opposite said split, said ring tapering from points 90° angularly spaced from the ends thereof toward the diameter passing through said split and having a circumferential groove provided with inclined side walls for receiving a light sinuous spring.

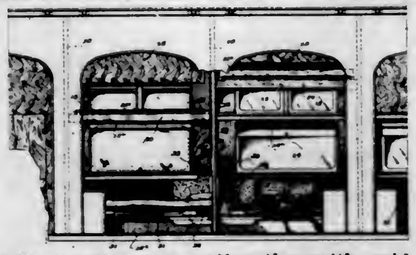
2,156,228
GUN PERFORATOR
John T. Phipps, Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application October 6, 1937, Serial No. 167,672
10 Claims. (Cl. 164—0.5)



1. A gun perforator comprising: a gun body incorporating a plurality of gun units arranged to discharge laterally therefrom; and a yieldable fluid-proof sleeve embracing said gun body to seal the discharge ends of the several gun units.

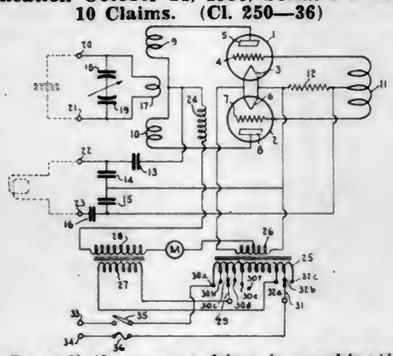
2,156,229
SLEEPING CAR
Earl J. W. Ragsdale, Norristown, and Joseph F. Clary, Bala-Cynwyd, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, a corporation of Pennsylvania
Application April 10, 1937, Serial No. 136,189
11 Claims. (Cl. 105—317)

1. In a sleeping car of the class described, a sleeper section having a convertible lower berth construction and an upper berth including a tray-like member supporting bedding, supporting means extending from its respective end portions



and fixed guides cooperating therewith, said upper berth being movable in said guides without reversing to different elevated substantially horizontal positions with the same side of the tray member uppermost.

2,156,230
OSCILLATION GENERATING SYSTEM
Alexander Senauke, New York, N. Y., assignor to AmpereX Electronic Products, Inc., Brooklyn, N. Y., a corporation of New York
Application October 14, 1936, Serial No. 105,476
10 Claims. (Cl. 250—36)

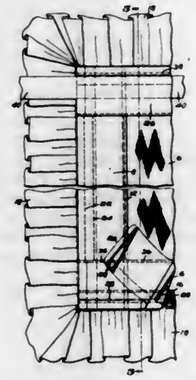


9. In a diathermy machine, in combination, a pair of vacuum tubes, each having an anode, a cathode, and a control electrode, an inductance having opposite terminals connected to said control electrodes respectively, a second inductance having opposite terminals connected to said anodes respectively, a circuit for capacitatively applying energy of a first frequency to a load, said circuit being coupled to said second inductance, means comprising an inductance parallel tuned to a lower frequency connected between intermediate points on said first and second inductances, whereby said lower frequency is produced, and means for open-circuiting the connection of said last mentioned means for shifting the frequency from said lower frequency to said first frequency.

2,156,231
CURTAIN
Jesse Stam, Cambridge, Mass., assignor to Fairclough & Gold, Inc., Boston, Mass., a corporation of Massachusetts
Application February 23, 1938, Serial No. 191,988
6 Claims. (Cl. 156—10)

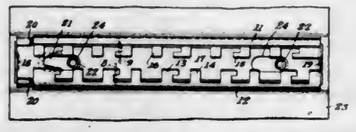
2. A curtain comprising a web of textile material folded upon itself along at least one vertical edge and stitched to form at least one vertical hem, a ruffled band applied to the top, bottom,

and to at least one vertical hem, and two horizontal bands applied to said web adjacent the top



and bottom thereof and forming rod-receiving pockets, each pocket having two open ends.

2,156,232
BINDER
Clarence D. Trussell, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a corporation of New York
Application October 25, 1937, Serial No. 170,717
15 Claims. (Cl. 281—19)

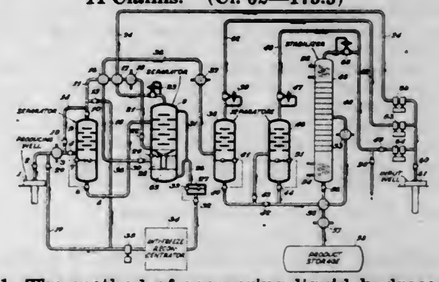


13. In combination, a binder having spaced rings, a holder having a channel to receive the back portions of said rings, ring engaging hooks at the opposite edges of said channel, spaced in accordance with the spacing of the rings and projecting inwardly from the opposite sides of the channel to engage the rings at opposite sides of the center of the back portions of the rings entered within the channel, means for effecting relative ring engaging and ring releasing movements of said hooks and the rings of the binder, said means including a slide operable in the channel and having locking shoulders engageable with portions of the channel and spring means at the back of the channel for yieldingly holding said slide in position for effecting engagement of said locking shoulders with the companion locking portions of the channel.

2,156,233
THERAPEUTIC COMPOSITION
John H. Wright, Larchmont, N. Y., assignor to Piedmont Development Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 29, 1937, Serial No. 171,688
5 Claims. (Cl. 167—58)

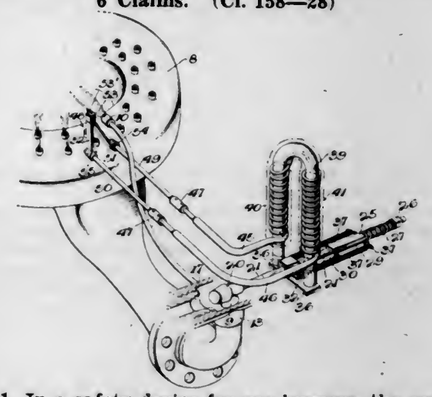
1. An aqueous composition adapted for use as nose drops or nasal sprays including, in addition to therapeutic ingredients, a small amount of polyvinyl alcohol.

2,156,234
RECOVERY OF LIQUID HYDROCARBONS FROM WELL FLUIDS
George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 18, 1938, Serial No. 235,539
11 Claims. (Cl. 62—175.5)



1. The method of recovering liquid hydrocarbons from a fluid produced by a well of the distillate type which comprises expanding said fluid into a separation stage maintained at a temperature within the range from about —50° to about +100° F. and a pressure within the range from about 800 to about 1500 pounds per square inch, separating the hydrocarbon condensate formed at said temperature and pressure, from the residual gas, heating said condensate to an elevated temperature and passing it to a second separation stage maintained at substantially the same pressure as that in said first separation stage to remove a gaseous fraction containing substantial quantities of light hydrocarbon gases therefrom, and compressing said residual gas and said gaseous fraction for reinjection into the formation from which said fluid was produced.

2,156,235
SAFETY DEVICE FOR GAS BURNERS
Paul L. Betz, Baltimore, Md., and Sebastian Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Original application November 24, 1933, Serial No. 699,590. Divided and this application October 2, 1937, Serial No. 167,068
6 Claims. (Cl. 158—28)



1. In a safety device for gas burners, the combination with a gas burner, a chamber within which said burner is disposed, and electro-responsive control mechanism including an operating winding, of a thermocouple having at least

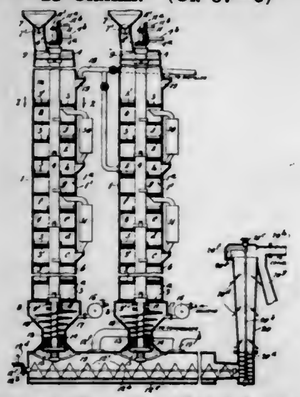
two thermojunctions and which is arranged within said chamber so that said junctions are heated substantially equally by the combustion of gas within said chamber, the thermocouple being electrically connected to energize the operating winding of said control mechanism by means of the thermoelectric currents produced therein, and a pilot burner adapted to normally maintain a flame which heats the "hot" junction of said thermocouple above the temperature that exists at the "cold" junction by reason of the ambient temperature within said chamber to maintain a thermoelectric current through said winding, said junctions rapidly attaining substantially the same temperature to discontinue said thermoelectric current when said pilot flame goes out irrespective of the ambient temperature existing outside of said chamber.

2,156,236

PROCESS AND APPARATUS FOR EXTRACTION OF OILS, FATS, AND OTHER SOLUBLE CONSTITUENTS FROM MATERIALS CONTAINING THE SAME

Michele Bonotto, Evansville, Ind., assignor to Extractol Process, Ltd., Wilmington, Del., a corporation of Delaware

Application November 7, 1935, Serial No. 48,646
15 Claims. (Cl. 87—6)



1. A process for extraction of oils, fats and other soluble constituents from materials containing the same, consisting in substantially filling an extraction unit with a quantity of solid oil-bearing material, retarding the potential movement of said quantity of material and dividing the same by dividing elements into a plurality of blocks, providing said divided blocks with intercommunicating openings at positions out of registration with each other, continuously discharging solid material at one end of said unit to cause vertical movement by potential energy of the material in said blocks through said communicating openings from one block to another thereof, feeding a quantity of said material at the opposite end thereof, moving said dividing elements and the positions of said intercommunicating openings with respect to said blocks of materials, passing liquid solvent in counter-current with the vertical movement of said solid material through said unit, rotating the vertically-moving stream of said solvent in relation to the mass of material and discharging miscella from the unit.

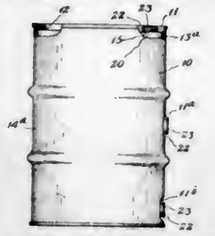
9. A process for the extraction of oils, fats and other soluble constituents from materials containing the same, consisting in charging an extraction unit with a quantity of oil-bearing solid material to form an extracting column, subdividing said extracting column into sections by partitions having openings communicating between such sections, rotating such partitions and openings to pass solid material through said column in a path moving about the axis of the unit, and passing liquid solvent through said column in counter-current with the movement of said solid material in a path moving about the axis of the unit.

2,156,237

CONTAINER CLOSURE CONSTRUCTION

Charles T. Draper, Cleveland Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 27, 1937, Serial No. 181,875
6 Claims. (Cl. 220—39)



1. A sheet metal wall provided with an integral tubular neck, complementary internal and external V-sided threads in the neck one of which is a standard pipe thread, the metal of the threaded part of the neck wall being internally, externally and throughout its entire thickness roller swaged into zig-zag thread-like formations with compressed internal and external thread apices, and the threads being displaced from the tubular locus of the unthreaded part of the neck toward the standard threaded side thereof.

2,156,238

METHOD OF MANUFACTURING HATS AND PRODUCTS THEREOF

Hans Frankmann and Hermann Haakh, Vienna, Austria

Application March 16, 1936, Serial No. 69,144
In Austria March 15, 1935
4 Claims. (Cl. 2—192)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In the manufacture of hats, caps and the like head coverings the steps which consist in forming a fibrous body to definitive shape, applying thereto a layer of rubber of sufficient thickness to cover completely the nap of said body, applying a dust of short fibres to said rubber layer, and vulcanizing said rubber layer.

2,156,239

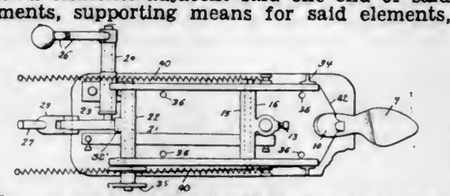
MACHINE FOR LAYING BREAST COVERS AT THE JOINT BETWEEN THE HEEL AND SHOE

Oliver Graf, Washington, Mo., assignor of one-half to Albert H. Freie, Washington, Mo.

Application July 25, 1938, Serial No. 221,222
7 Claims. (Cl. 12—125)

1. A machine for laying and holding a breast

cover in intimate contact with the shank and breast of a shoe heel at the joint therebetween, and embodying a laying member, spaced parallel elements bridged at one end thereof by said laying member, said laying member being secured to said elements adjacent said one end of said elements, supporting means for said elements,



and means connected with said elements for moving the latter bodily into and out of position engaging the laying member with the breast cover, including resilient means acting on said elements normally urging the same in one direction for maintaining said laying member in yielding intimate contact with the breast cover at the joint between the heel and shoe.

2,156,240

STREPTOCOCCUS ANTIGEN

George F. Hibbert, Chicago, Ill., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application April 30, 1938, Serial No. 205,365
5 Claims. (Cl. 167—78)

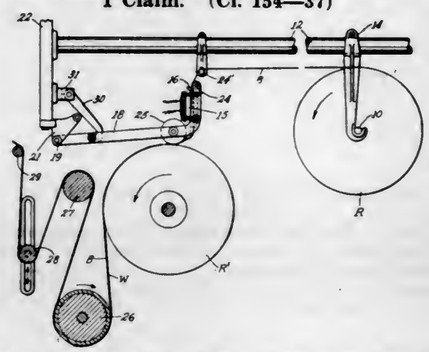
1. An antigen that is specific in the treatment of so-called trichomonas vaginalis vaginitis, comprising a vaccine consisting substantially of heat-killed streptococci subacidus.

2,156,241

OUTSERT ATTACHMENT

Thormod Jensen, Laureiton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application March 18, 1937, Serial No. 131,651
1 Claim. (Cl. 154—37)



In an apparatus of the class described for sealing together webs of sheet material, at least one of which has a heat-responsive sealing component, a supporting structure including an upright frame member, rods extending substantially horizontally therefrom, a band web reel supported by hangers depending from said rods at a fixed point relatively remote from said frame member, a wrapping material roll journaled in fixed position between said band web roll and frame member, directly beneath said rods, a swinging bracket associated pivotally with said frame member and having at its free end a pressure roller in position gravity biased into contact with the uppermost arc of said wrapping material roll at all times as the same is depleted, independently of said band web roll, a sealing element also on said free end of the pivot arm and means to heat said sealing element suitably to render said heat-responsive component effective for sealing purposes and also to heat said pressure roller adequately to prevent accumulation thereon of said heat-responsive component, and a direction device mounted upon said webs to lead said band web downward substantially in an extension of the radius of said wrapping material roll, substantially in the manner and for the purpose set forth.

2,156,242

ERGOT DERIVATIVE AND PROCESS OF OBTAINING IT

Morris S. Kharasch and Romeo Ralph Legault, Chicago, Ill., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application May 9, 1935, Serial No. 20,628
12 Claims. (Cl. 206—236)

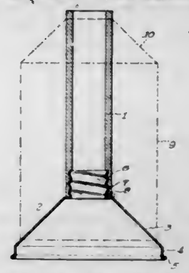
12. A pure, solid, water soluble ergot derived compound, free from the known ergot alkaloids, which in the form of its free base is alkaline in reaction and capable of forming salts, and which is effective upon oral administration in doses of the order of 0.5 mg. in producing a prompt, intense and prolonged oxytocic effect in puerperal human mothers.

2,156,243

SPOOL FOR INDUSTRIAL THREAD

Gilbert W. Krentler, Lexington, Ky., assignor to Dean & Sherk Company, Inc., Lawrenceburg, Ky., a corporation of Michigan

Application November 6, 1937, Serial No. 173,057
3 Claims. (Cl. 242—118)



1. In a spool for commercial thread, a truncated conical base, an annular shoulder on said base at the plane of truncation of the base, a cylindrical projection to seat at its lower end upon said shoulder, a cylindrical core to fit over said cylindrical projection, said cylindrical projection forming a reinforcement and rigid support for the lower end of said core, said core and the conical surface of said base being adapted so that thread may be wound about them, the outer diameter of said core being substantially equal to the diameter of said conical base at the plane of truncation of said base.

2,156,244

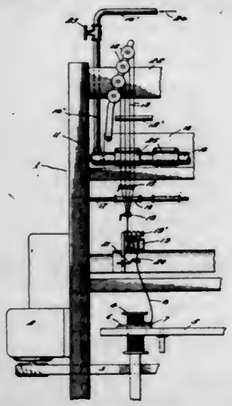
MEANS AND METHOD OF TREATING STRANDS

William E. Mahoney, Pawtucket, R. I., assignor to Premier Thread Company, a corporation of Rhode Island

Application February 8, 1937, Serial No. 124,607
10 Claims. (Cl. 57—34)

1. A method of doubling strands having excess

moisture therein including drawing the strands from a source of supply and doubling the same,



and heating the strands prior to doubling and thereby removing the excess moisture so that the said strands may be effectively doubled.

2,156,245

FLOTATION OF PHOSPHATE ROCK

Harry Levi Mead and Joseph Leonard Weaver, Brewster, Fla., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 26, 1938, Serial No. 204,315
10 Claims. (Cl. 209—166)

1. A method of floating phosphate rock which comprises classifying the rock into at least two size ranges between 20 and 200 mesh, at least one sizing cut being in the range between about 48 mesh and 80 mesh and subjecting each range separately to froth flotation.

2,156,246

DOUBLE IRONING TABLE

Charles W. Sadenwater, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan

Application June 5, 1937, Serial No. 146,632
1 Claim. (Cl. 38—136)



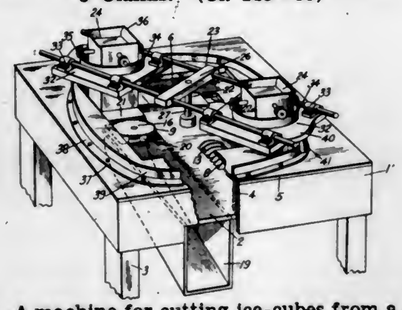
A pair of elongated boards, bails between said boards and spaced apart lengthwise thereof, a mid portion of a bail being rotatably secured to the inner face of one of said boards, leg portions having outwardly directed pintles pivotally secured to the inner face of the other board, being spaced apart a distance greater than the width of the said first board and at points longitudinally spaced from the said mid-portion of the bail, the outer end portions of said pintles being directed lengthwise of the other board to present stops that lie flatwise against said other board when extended; the plane defined by said stops being at an acute angle to the plane defined by the legs, whereby the said spacing of the outer portions of the pintles allows the boards to be folded until they substantially touch each other.

2,156,247

MACHINE FOR CUTTING ICE CAKES INTO CUBES

Forest G. Smith, Columbus, Ohio, assignor to The Central Ohio Conveyor Company, Columbus, Ohio, a corporation of Ohio

Application July 26, 1937, Serial No. 155,675
3 Claims. (Cl. 143—38)



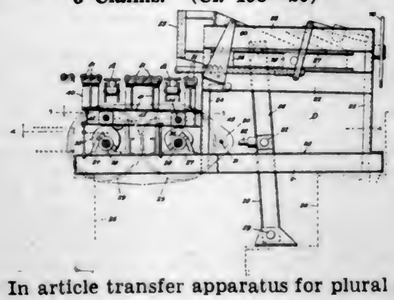
1. A machine for cutting ice-cubes from a cake of ice comprising a table upon which the cake of ice is adapted to rest, means for moving the cake of ice around said table in a substantially rectangular path, a plurality of cutting units associated with said table and disposed along said path for successively engaging said cake of ice as it is moved along said path, said means for moving the cake of ice along said path comprising a holder for the cake of substantially rectangular cross-section adapted to permit the cake to rest on said table, a rotatable carriage mounted on said table, said carriage including a plurality of rods, a supporting unit mounted on said rods for movement radially relative to the axis of rotation of said carriage, said holder being mounted on said supporting unit in such a manner that it is rotatable thereon, a stationary rectangular guide mounted on said table and with which the holder is adapted to cooperate, and means for maintaining said holder in cooperative relationship with said guide, said means comprising a track associated with said rectangular guide, said track comprising slightly curved portions disposed adjacent each side of said rectangular guide and short sections of different curvature for joining said first sections of track and disposed adjacent each corner of said guide, and rollers carried by said supporting unit adapted to cooperate with said track.

2,156,248

ARTICLE TRANSFER APPARATUS FOR CONVEYERS

Arnold A. Wegner, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 29, 1937, Serial No. 156,384
6 Claims. (Cl. 198—20)



1. In article transfer apparatus for plural conveyer systems, the combination with a receiving conveyer and a feeding conveyer disposed at an angle thereto, of a pair of spaced shafts journalled below said conveyers; cam means mounted upon each of said shafts; a transfer table resting upon said cam means, arranged to receive articles from said feeding conveyer and transfer them to said receiving conveyer; and means for rotating said shafts and cam means, the latter being arranged to raise and lower both ends of said table uniformly during one portion of their cycle, and to raise or lower one end of the table faster than the other during another portion of said cycle.

2,156,249

GLASS CUTTER

Guy C. Wyman, Chatham, N. J., assignor to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey

Application September 7, 1937, Serial No. 162,608
2 Claims. (Cl. 49—52)



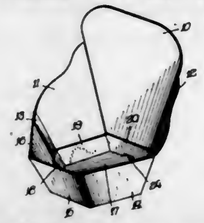
2. The combination with a glass cutter head having a rotatable wheel in its upper forward end and a recess in its upper side adjacent said forward end and a notch in its lower side of a guard therefor comprising, a single piece of metal bent into the form of a U so as to provide substantially parallel side portions and an intermediate transverse portion, said side portions being in frictional engagement with the side faces of said head and said intermediate transverse portion being in abutment with said lower side so as to conceal said notch, said side portions being formed to have oppositely disposed tabs extending inwardly towards one another from upper sides thereof, which tabs are disposed in said recess so as to prevent the guard from sliding downwardly and off said head.

2,156,250

BASKET DISPLAY

Henry Ziemmerman, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois

Application December 30, 1935, Serial No. 56,664
2 Claims. (Cl. 229—41)



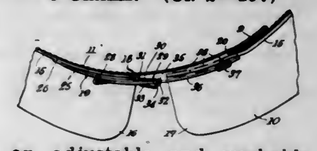
1. A folding basket display comprising connected wall sections of sheet material tapered toward but open at the bottom, a bottom hinged at the lower edge of one wall section, having separate marginal flaps with inter-engaging opposite shoulders formed intermediate the sides of each end adapted to abut, overlap and interlock at the ends of the flaps to provide outwardly flaring irreducible sides, a shoulder portion of the end of one flap engaging the opposite corresponding shoulder portion of the end of the next flap, and the overlapping extremities of both overlapping flaps engageable with the lower portions of the adjacent corresponding outer wall sections to prevent downward movement of the bottom, the inter-engaging flaps forming an irreduceable upwardly flaring cup which wedgingly engages the wall sections near the bottom thereof and prevents the bottom from slipping through the opening at the lower end of the connected wall sections.

2,156,251

ADJUSTABLE AND WASHABLE LADY'S HAT

Julius Carlson, Brooklyn, N. Y.

Application February 15, 1938, Serial No. 190,579
6 Claims. (Cl. 2—197)



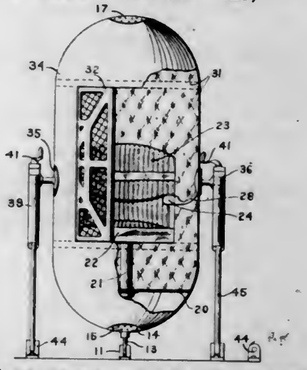
1. In an adjustable and washable hat for ladies, a discontinuous brim having adjacent and relatively movable ends, a crown carried by and secured to the brim except along a predetermined part of its lower edge adjacent the movable ends of the brim, a binding for the juncture of the brim and crown, one end part of said binding being doubled back on itself and secured to form a loop, a strap part extending from the other end of said binding and carrying a loop slidably mounted on the doubled back loop part of the binding, and an adjusting and clamping buckle mounted on said doubled back loop and adjustably receiving said strap part.

2,156,252

AIRPLANE PASSENGER CAGE

Mario Cichero, Ridgewood, N. J.

Application February 4, 1938, Serial No. 188,728
1 Claim. (Cl. 244—118)



An airplane passenger cage comprising resilient metal strips forming a cylindrical frame with hemispherical ends, wire netting attached to said

strips, padding attached to said wire netting inside of said frame, upper and lower circular discs attached to the hemispherical extremities of said cylindrical frame, said discs having apertures therein providing means for ventilating said cage, two brackets attached externally to the sides of said cylindrical frame, said brackets having bearing spindles extending therefrom, support means for said cage including pairs of interconnected adjustable pivoted struts on each side of said cage adapted to be attached to a floor of said aircraft, one of said struts on each side having a bifurcated end within which the spindles fit, said cage having a tubular member attached to the lower disc, a seat within said cage mounted upon said tubular member, the lower disc also having a bore in prolongation of said tubular member, a floor bracket adapted to be attached to the floor of the airplane, a rod pivotally attached to said floor bracket and slidably fitting into said bore and tubular member whereby the said cage can be tilted about said rod bracket by adjustment of said struts.

2,156,253
DUPLEX CENTRIFUGAL SEPARATOR
Ralph S. Clarke, South Walpole, Mass., assignor, by mesne assignments, to Centrifugal Engineering and Patents Corporation, New York, N. Y., a corporation of New Jersey
Application February 20, 1930, Serial No. 430,035
6 Claims. (Cl. 233—17)

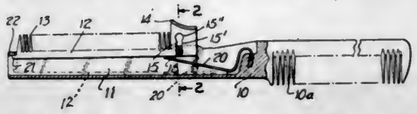


1. Apparatus for purifying pulp stock, which comprises a rotatable vertical shaft, a conical support member secured at its upper end to said shaft for rotation therewith and diverging downwardly therefrom, an outwardly projecting flange at the lower end of said supporting member having apertures therein for the drainage of wash water, and a plurality of nested, radially spaced cylindrical drums supported by said flange, said drums having end flanges and intermediate annular ribs to retain series of pulp mats and pools of stock therein during the rotation thereof and to determine the depth of said pools.

2,156,254
THERAPEUTIC COMPOSITION
Lessel L. Manchey, New York, N. Y., assignor to Piedmont Development Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 29, 1937, Serial No. 171,643
5 Claims. (Cl. 167—58)

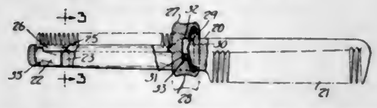
1. An aqueous composition adapted for use as nose drops or nasal sprays including, in addition to therapeutic ingredients, a small amount of methyl cellulose.

2,156,255
HAIRDRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application December 7, 1938, Serial No. 244,433
12 Claims. (Cl. 132—33)



1. A hair-dressing device comprising a body or case having a longitudinally extending, laterally opening comb receiving slot, a comb member movable laterally of the slot so as to be exposed or to be housed within the slot so that a coil of hair may be slidably removed, a spring urging the comb member to the exposed position, a plunger slidably carried by the body and extending transversely of the slot therein and having a portion of relatively small cross section and a portion of larger cross section, the comb member having a laterally elongated opening through which the plunger passes and provided with a portion of a size to admit the smaller cross section portion of the plunger and a portion to admit only the larger portion of the plunger, and a spring urging the larger portion of the plunger toward the opening to lock the comb member in position when it enters the larger portion of the opening.

2,156,256
HAIRDRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application February 18, 1939, Serial No. 257,181
24 Claims. (Cl. 132—33)

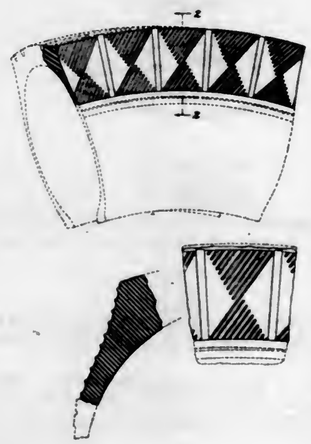


1. In a hair curling device, a sheath having a longitudinally extending laterally opening slot and an end wall, and a comb having teeth and a backing both extending to the end wall, the comb being laterally movable in the slot between projected and housed positions, the width of the backing being substantially the width of the slot, the backing of the comb having a laterally extending element, the slot wall being cut away to receive the laterally extending element and having an overlying element to limit the movement of the comb outwardly.

DESIGNS

APRIL 25, 1939

114,432
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application August 26, 1938, Serial No. 79,573
Term of patent 14 years



The ornamental design for a tire, substantially as shown and described.

114,433
DESIGN FOR A LIGHTING FIXTURE
Sylvester A. Baker, San Francisco, Calif.
Application March 13, 1939, Serial No. 83,540
Term of patent 7 years



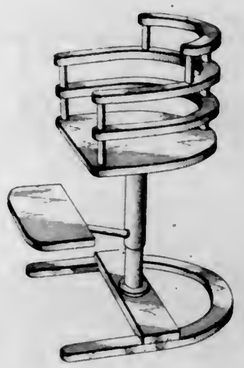
The ornamental design for a lighting fixture, substantially as shown.

114,434
DESIGN FOR A GLOVE
Alice Frances Bates, New York, N. Y.
Application January 21, 1939, Serial No. 82,506
Term of patent 3½ years



The ornamental design for a glove, substantially as shown and described.

114,435
DESIGN FOR A CHAIR
Albert J. Berna, Royal Oak, Mich.
Application August 25, 1938, Serial No. 79,568
Term of patent 3½ years



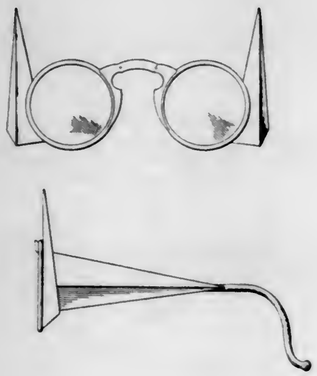
The ornamental design for a chair, substantially as shown.

114,436
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Frank Breckenridge, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application December 7, 1938, Serial No. 81,627
Term of patent 7 years



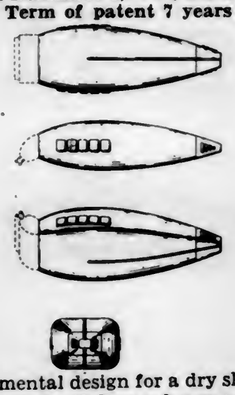
The ornamental design for a combined washing machine and wringer, substantially as shown.

114,437
DESIGN FOR SUNGLASSES
Archibald Brock, Arlington, and Wesley H. Backer, Orange, N. J., assignors to The Emeloid Company, Inc., Arlington, N. J.
Application December 6, 1938, Serial No. 81,604
Term of patent 3½ years



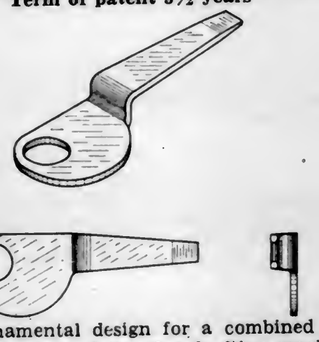
The ornamental design for sunglasses, as shown and described.

114,438
DESIGN FOR A DRY SHAVER OR SIMILAR ARTICLE
David Chapman, Chicago, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application December 5, 1938, Serial No. 81,580
Term of patent 7 years



The ornamental design for a dry shaver or similar article, substantially as shown and described.

114,439
DESIGN FOR A COMBINED SCALE EJECTOR AND SCREW DRIVER FOR DRAFTING MACHINES
David J. Christensen, Berkeley, Calif.
Application April 9, 1938, Serial No. 76,395
Term of patent 3½ years



The ornamental design for a combined scale ejector and screw driver for drafting machines, substantially as shown.

114,440
DESIGN FOR A SLIPPER
Samuel Cooper, New York, N. Y.
Application March 9, 1939, Serial No. 83,450
Term of patent 3½ years



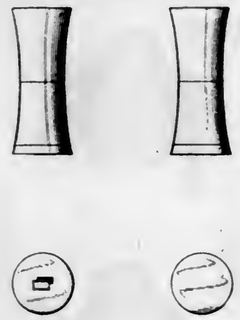
The ornamental design for a slipper, substantially as shown.

114,441
DESIGN FOR A GARMENT CLASP
Frederick G. Deming, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application March 1, 1939, Serial No. 83,274
Term of patent 3½ years



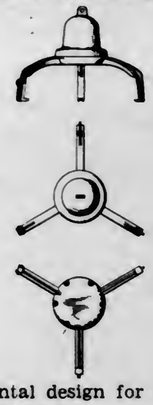
The ornamental design for a garment clasp, as shown.

114,442
DESIGN FOR A LIPSTICK CASE
Hildreth Lange Dexter, New York, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 82,496
Term of patent 14 years



The ornamental design for a lipstick case, as shown.

114,443
DESIGN FOR A FRAME FOR ELECTRIC SIFTERS
William P. Dowling, Savannah, Ga.
Application December 2, 1938, Serial No. 81,530
Term of patent 3½ years



The ornamental design for a frame for electric sifters, as shown.

114,444
DESIGN FOR A DOCTOR'S CABINET OR THE LIKE
John Charles Fay, Chicago, Ill., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application August 29, 1938, Serial No. 79,622
Term of patent 7 years



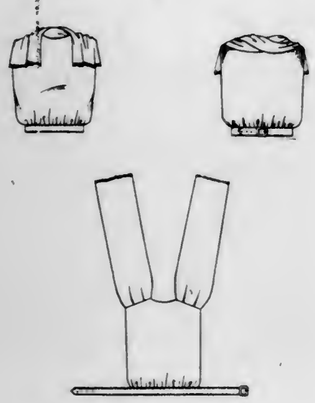
The ornamental design for a doctor's cabinet or the like, substantially as shown.

114,445
DESIGN FOR A SETTEE
Theodore H. Graf, Wilmington, Ohio
Application February 18, 1939, Serial No. 83,095
Term of patent 14 years



The ornamental design for a settee, as shown.

114,446
DESIGN FOR A SCARF
Joseph E. Grotta, New York, N. Y.
Application January 7, 1939, Serial No. 82,214
Term of patent 3½ years



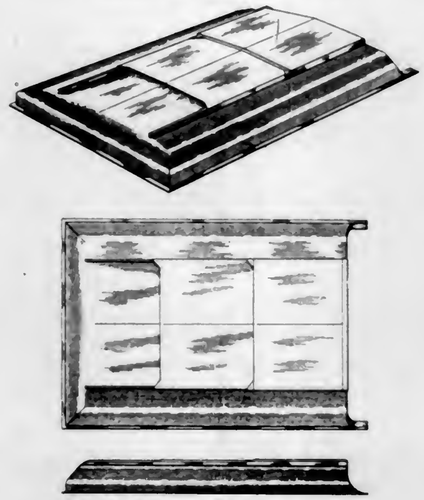
The ornamental design for a scarf substantially as shown.

114,447
DESIGN FOR A NOVELTY PIN
Winifred M. Gustin, Winchester, Mass.
Application November 9, 1938, Serial No. 80,975
Term of patent 3½ years



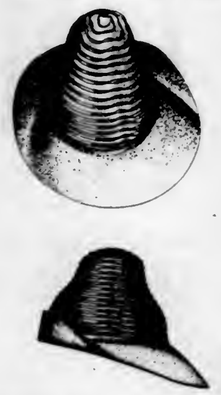
The ornamental design for a novelty pin, substantially as shown.

114,448
DESIGN FOR A ROOF FOR A VEHICLE BODY
Paul E. Hawkins, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1937, Serial No. 71,061
Term of patent 3½ years



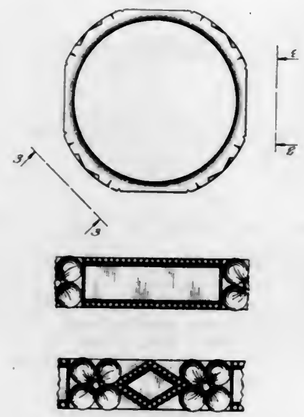
The ornamental design for a roof for a vehicle body, as shown.

114,449
DESIGN FOR A HAT
Lulu A. Johnson, New York, N. Y., assignor to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application January 19, 1939, Serial No. 82,433
Term of patent 3½ years



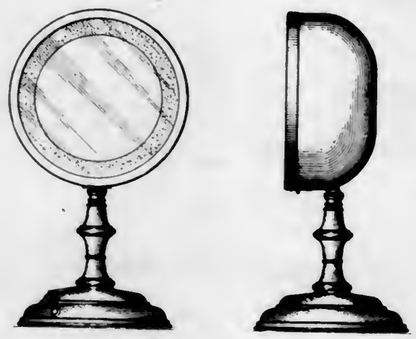
The ornamental design for a hat, substantially as shown.

114,450
DESIGN FOR A FINGER RING
Julius Lannes, Chicago, Ill.
Application November 5, 1938, Serial No. 80,896
Term of patent 3½ years



The ornamental design for a finger ring, as shown and described.

114,451
DESIGN FOR AN ILLUMINABLE MIRROR OR SIMILAR ARTICLE
George Lazarus, Chicago, Ill.
Application August 4, 1938, Serial No. 79,092
Term of patent 7 years



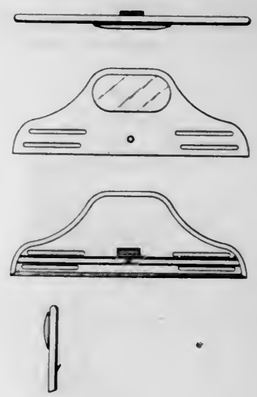
The ornamental design for an illuminable mirror or similar article, as shown.

114,452
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application February 2, 1939, Serial No. 82,7[illegible]
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

114,453
DESIGN FOR A SAFETY REFLECTOR FOR AN AUTOMOBILE OR THE LIKE
Masick C. Magarian, Fresno, Calif.
Application April 16, 1938, Serial No. 76,571
Term of patent 3½ years



The ornamental design for a safety reflector for an automobile or the like, substantially as shown.

114,454
DESIGN FOR A JEWELRY ELEMENT FOR BRACELETS OR SIMILAR ARTICLES
Louis Mazer, New York, N. Y.
Application March 11, 1939, Serial No. 83,528
Term of patent 3½ years



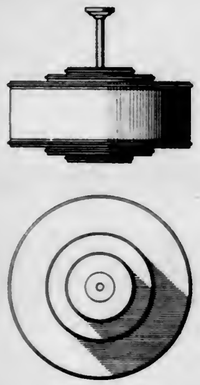
The ornamental design for a jewelry element for bracelets or similar articles, substantially as shown.

114,455
DESIGN FOR A JEWELRY ELEMENT FOR BRACELETS OR SIMILAR ARTICLES
Louis Mazer, New York, N. Y.
Application March 13, 1939, Serial No. 83,537
Term of patent 3½ years



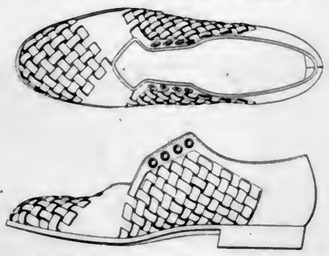
The ornamental design for a jewelry element for bracelets or similar articles, substantially as shown.

114,456
DESIGN FOR A ROTATABLE ADVERTISING SIGN
Alexander McCabe and Adele McCabe, San Francisco, Calif., assignors to Acme Breweries, a corporation of California
Application January 24, 1939, Serial No. 82,554
Term of patent 7 years



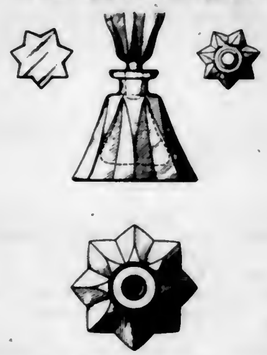
The ornamental design for a rotatable advertising sign, substantially as shown.

114,457
DESIGN FOR A SHOE
Frederick W. Ochs, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 21, 1938, Serial No. 81,915
Term of patent 3½ years



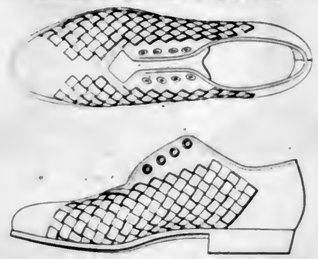
The ornamental design for a shoe, as shown.

114,458
DESIGN FOR A COMBINED BOTTLE AND STOPPER THEREFOR
Hedwig Orlik, New York, N. Y.
Application November 16, 1938, Serial No. 81,132
Term of patent 14 years



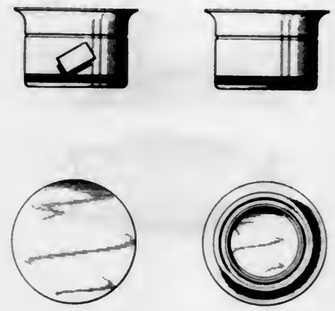
The ornamental design for a combined bottle and stopper therefor, substantially as shown and described.

114,459
DESIGN FOR A SHOE
Frederick W. Ochs, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 19, 1939, Serial No. 82,447
Term of patent 3½ years



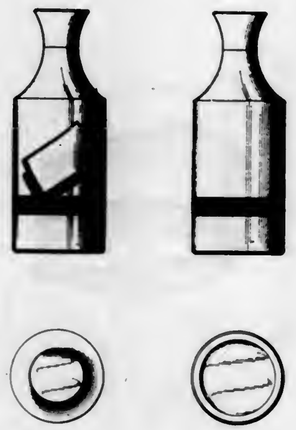
The ornamental design for a shoe, as shown and described.

114,460
DESIGN FOR A COSMETIC CREAM JAR
Joseph B. Platt, New York, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 82,493
Term of patent 14 years



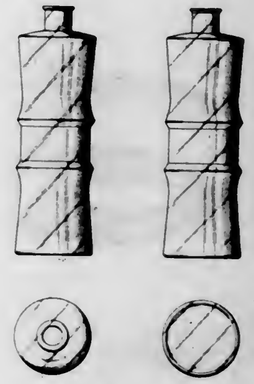
The ornamental design for a cosmetic cream jar, as shown.

114,461
DESIGN FOR A BOTTLE
Joseph B. Platt, New York, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 82,494
Term of patent 14 years



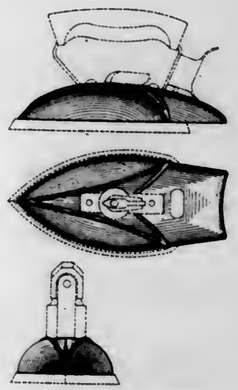
The ornamental design for a bottle, as shown.

114,462
DESIGN FOR A BOTTLE
Joseph B. Platt, New York, N. Y., assignor to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 82,495
Term of patent 14 years



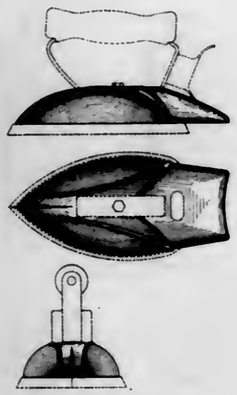
The ornamental design for a bottle, as shown.

114,463
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1938, Serial No. 79,766
Term of patent 7 years



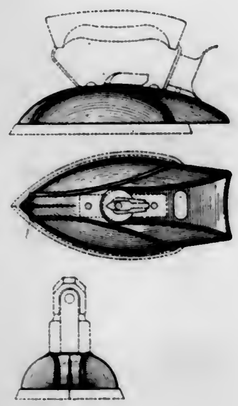
The ornamental design for an electric iron, substantially as shown and described.

114,464
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1938, Serial No. 79,767
Term of patent 7 years



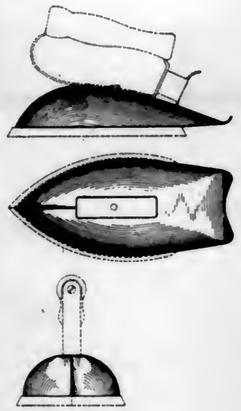
The ornamental design for an electric iron, substantially as shown and described.

114,465
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1938, Serial No. 79,768
Term of patent 7 years



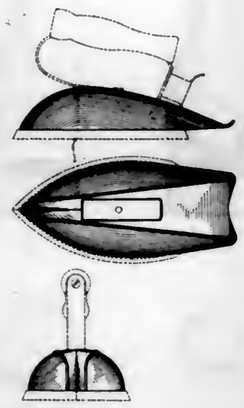
The ornamental design for an electric iron, substantially as shown and described.

114,466
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1938, Serial No. 82,034
Term of patent 7 years



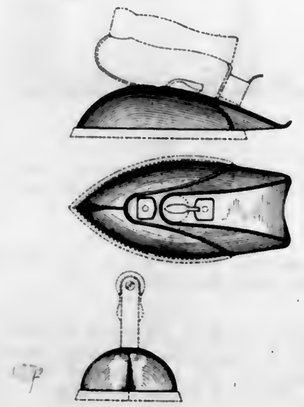
The ornamental design for an electric iron, substantially as shown and described.

114,467
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1938, Serial No. 82,035
Term of patent 7 years



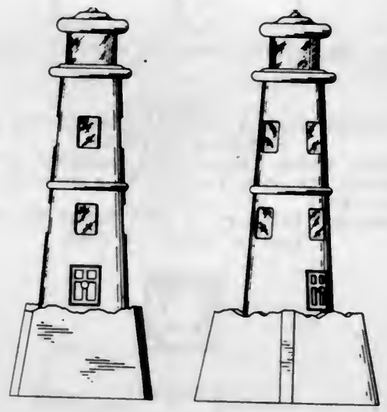
The ornamental design for an electric iron, substantially as shown and described

114,468
DESIGN FOR AN ELECTRIC IRON
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1938, Serial No. 82,036
Term of patent 7 years



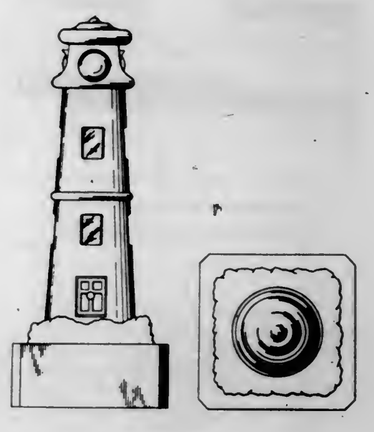
The ornamental design for an electric iron, substantially as shown and described.

114,469
DESIGN FOR AN ILLUMINABLE TRAFFIC SIGNAL
Frank A. Robinson and Carl Reutter, North Beverly, Mass.
Application December 19, 1938, Serial No. 81,861
Term of patent 14 years



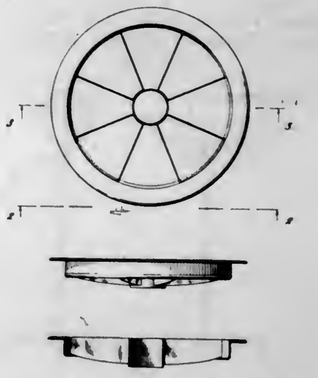
The ornamental design for an illuminable traffic signal as shown.

114,470
DESIGN FOR AN ILLUMINABLE TRAFFIC SIGNAL
Frank A. Robinson and Carl Reutter, North Beverly, Mass.
Application December 19, 1938, Serial No. 81,862
Term of patent 14 years



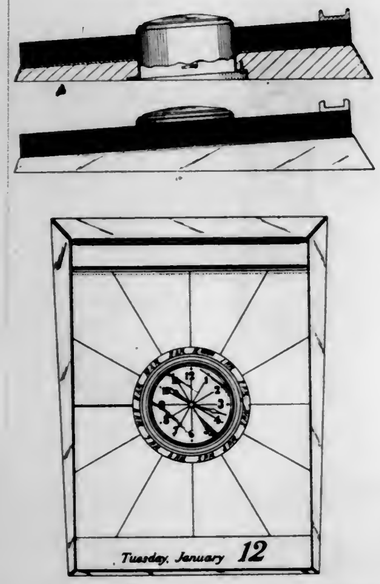
The ornamental design for an illuminable traffic signal, as shown and described.

114,471
DESIGN FOR A FRUIT CORING TOOL
Myer Rosenberg, Chicago, Ill.
Application November 25, 1938, Serial No. 81,340
Term of patent 7 years



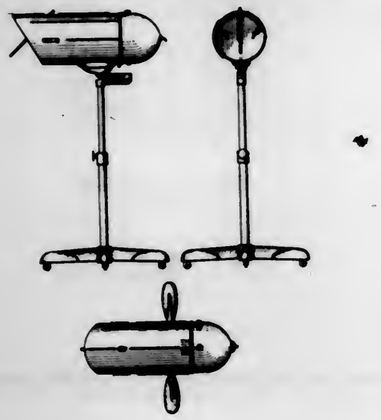
The ornamental design for a fruit coring tool, as shown.

114,472
DESIGN FOR A COMBINED APPOINTMENT PAD AND CLOCK
Nicholas Sandor, Haymarket, London, England, assignor to Jacob S. Sherman, Chicago, Ill.
Application January 19, 1938, Serial No. 74,406
Term of patent 14 years

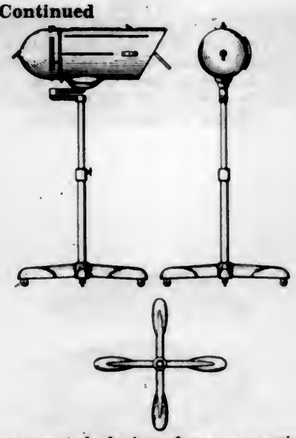


The ornamental design for a combined appointment pad and clock, substantially as shown and described.

114,473
DESIGN FOR A VAPORIZING MACHINE
Louis F. Schmidt and Rheinhold Thur Schmidt, Chicago, Ill., assignors to Miss O'Mist Products, Inc., Chicago, Ill., a corporation of Illinois
Application February 20, 1939, Serial No. 83,106
Term of patent 7 years

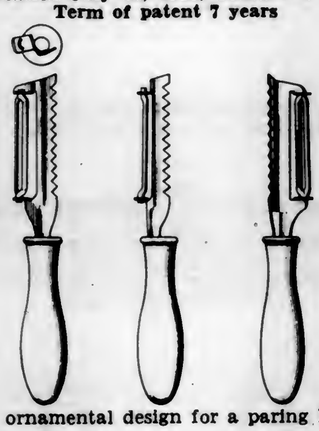


114,473—Continued



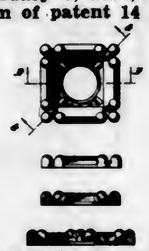
The ornamental design for a vaporizing machine, substantially as shown.

114,474
DESIGN FOR A PARING KNIFE
Charles F. Senkewitz, Dearborn, Mich.
Application July 12, 1938, Serial No. 78,422
Term of patent 7 years



The ornamental design for a paring knife, as shown.

114,475
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
William Simon, Clifton, N. J., assignor to B. F. Hirsch, Inc., New York, N. Y., a corporation of New York
Application February 3, 1939, Serial No. 82,763
Term of patent 14 years



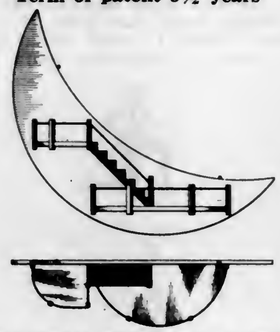
The ornamental design for a jewelry setting or similar article, substantially as shown.

114,476
DESIGN FOR A CARD HOLDER
Henry J. Smoleroff, New York, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application November 15, 1938, Serial No. 81,095
Term of patent 3½ years



The ornamental design for a card holder, as shown.

114,477
DESIGN FOR A WHATNOT
Henry G. Stephens, Gadsden, Ala.
Application September 14, 1938, Serial No. 79,895
Term of patent 3½ years



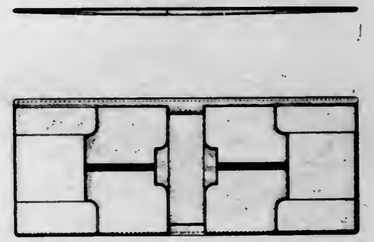
The ornamental design for a whatnot, as shown.

114,478
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Harry J. Terker, Brooklyn, N. Y.
Application September 5, 1936, Serial No. 64,733
Term of patent 3½ years



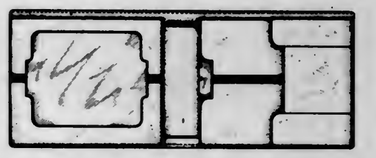
The ornamental design for a chair or similar article, substantially as shown and described.

114,479
DESIGN FOR A BILLFOLD
John P. Wege, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application March 1, 1939, Serial No. 83,270
Term of patent 7 years



The ornamental design for a billfold, as shown and described.

114,480
DESIGN FOR A BILLFOLD
John P. Wege, West Bend, Wis., assignor to Amity Leather Products Co., West Bend., Wis., a corporation of Wisconsin
Application March 3, 1939, Serial No. 83,306
Term of patent 7 years



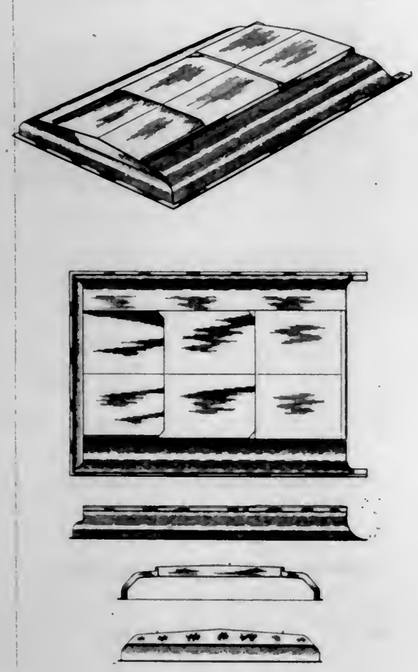
The ornamental design for a billfold, as shown and described.

114,481
DESIGN FOR A CHILD'S COAT OR SIMILAR ARTICLE
Morris Glass, New York, N. Y.
Application March 20, 1939, Serial No. 83,691
Term of patent 3½ years



The ornamental design for a child's coat or similar article, substantially as shown.

114,482
DESIGN FOR A ROOF FOR A VEHICLE BODY
Paul E. Hawkins, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application August 13, 1937, Serial No. 71,060
Term of patent 3½ years



The ornamental design for a roof for a vehicle body, as shown.

114,483
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 17, 1939, Serial No. 83,628
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,484
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 17, 1939, Serial No. 83,629
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,485
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 17, 1939, Serial No. 83,630
Term of patent 3½ years



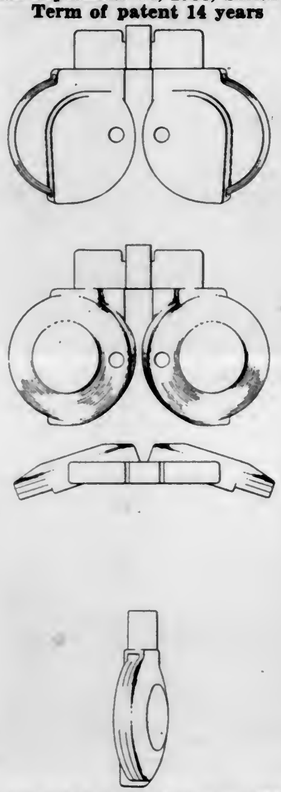
The ornamental design for a clip pin, substantially as shown.

114,486
DESIGN FOR A CLIP PIN
Adolph Katz, New York, N. Y.
Application March 17, 1939, Serial No. 83,631
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,487
DESIGN FOR AN OPHTHALMIC INSTRUMENT
William F. Peck, Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 16, 1938, Serial No. 79,946
Term of patent 14 years



The ornamental design for an ophthalmic instrument, substantially as shown.

114,488
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,790
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,489
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,791
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,490
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,792
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,491
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,793
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,492
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,794
Term of patent 3½ years



The ornamental design for a clip pin, substantially as shown.

114,493
DESIGN FOR A CLIP PIN
Alfred Philippe, New York, N. Y.
Application March 23, 1939, Serial No. 83,795
Term of patent 3½ years



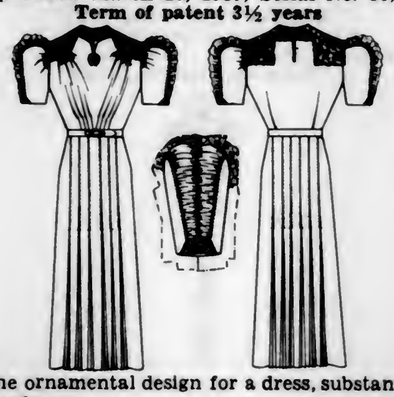
The ornamental design for a clip pin, substantially as shown.

114,494
DESIGN FOR A TEXTILE FABRIC
Aaron Levy, New York, N. Y.
Application March 16, 1939, Serial No. 83,596
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

114,495
DESIGN FOR A DRESS
Morris Messow, New York, N. Y.
Application March 10, 1939, Serial No. 83,489
Term of patent 3½ years



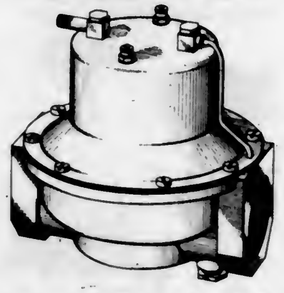
The ornamental design for a dress, substantially as shown.

114,496
DESIGN FOR A DRESS
Daniel Novick, Chicago, Ill.
Application January 9, 1939, Serial No. 82,247
Term of patent 7 years



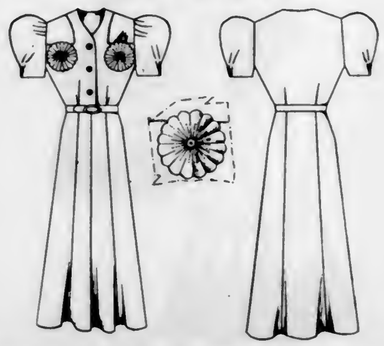
The ornamental design for a dress, substantially as shown.

114,497
DESIGN FOR A FLUID CONTROL VALVE
William A. Ray, Glendale, Calif.
Application February 20, 1939, Serial No. 83,107
Term of patent 14 years



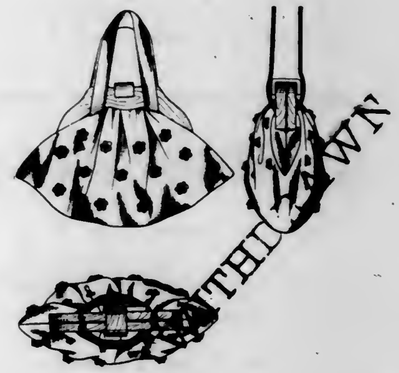
The ornamental design for a fluid control valve, substantially as shown and described.

114,498
DESIGN FOR A DRESS
Albert Ruchman, New York, N. Y.
Application February 28, 1939, Serial No. 83,248
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

114,499
DESIGN FOR A HANDBAG
Mary Zigelbaum, New York, N. Y.
Application March 29, 1939, Serial No. 83,900
Term of patent 3½ years



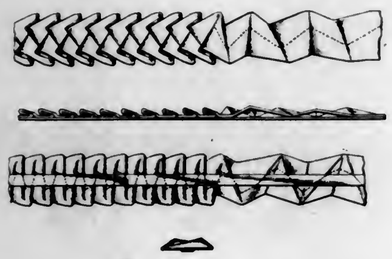
The ornamental design for a handbag, substantially as shown and described.

114,500
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Louise H. Brewster, Belfast, Maine, assignor to Joseph W. Woods Company, Inc., New York, N. Y., a corporation of New York
Application December 10, 1938, Serial No. 81,700
Term of patent 3½ years



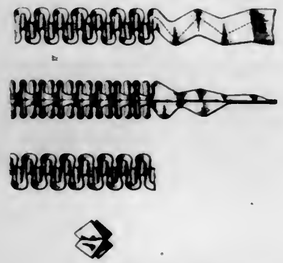
The ornamental design for a textile fabric or similar article, as described and shown.

114,501
DESIGN FOR A RIBBON
Solomon Graff, New York, N. Y., assignor to Eagle Pleating & Stitching Co. Inc., New York, N. Y., a corporation of New York
Application October 15, 1938, Serial No. 80,474
Term of patent 3½ years



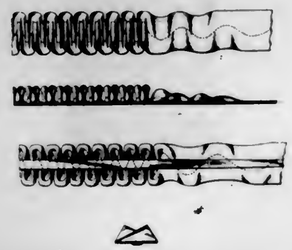
The ornamental design for ribbon, as shown.

114,502
DESIGN FOR A RIBBON
Solomon Graff, New York, N. Y., assignor to Eagle Pleating & Stitching Co. Inc., New York, N. Y., a corporation of New York
Application October 15, 1938, Serial No. 80,475
Term of patent 3½ years



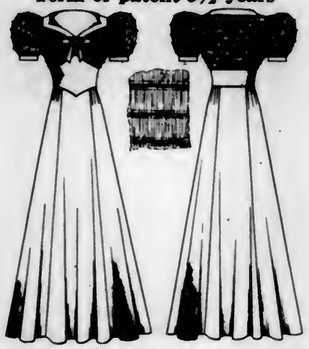
The ornamental design for ribbon, as shown.

114,503
DESIGN FOR A RIBBON
Solomon Graff, New York, N. Y., assignor to Eagle Pleating & Stitching Co. Inc., New York, N. Y., a corporation of New York
Application October 15, 1938, Serial No. 80,476
Term of patent 3½ years



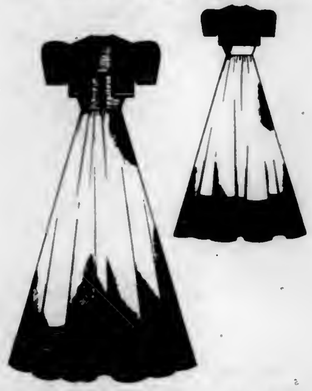
The ornamental design for ribbon, as shown.

114,504
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application March 9, 1939, Serial No. 83,446
Term of patent 3½ years



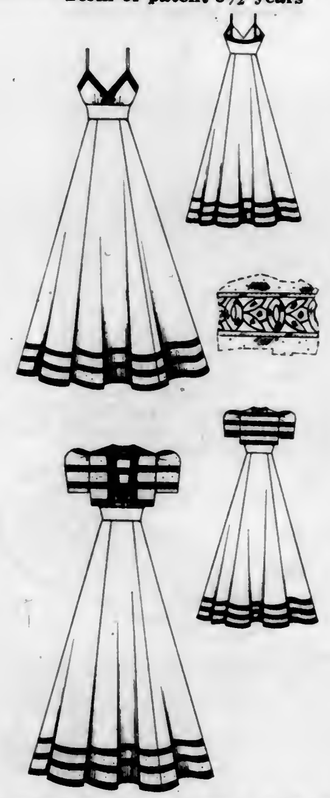
The ornamental design for a dress, substantially as shown and described.

114,505
DESIGN FOR A DRESS ENSEMBLE
Louis Katz, New York, N. Y.
Application March 20, 1939, Serial No. 83,681
Term of patent 3½ years



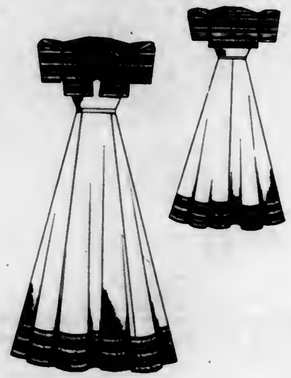
The ornamental design for a dress ensemble, substantially as shown and described.

114,506
DESIGN FOR A DRESS ENSEMBLE
Louis Katz, New York, N. Y.
Application March 20, 1939, Serial No. 83,682
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

114,507
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application February 28, 1939, Serial No. 83,247
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

114,507—Continued



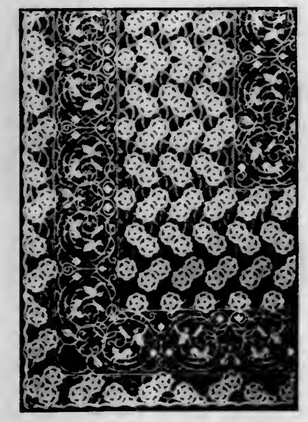
The ornamental design for a dress ensemble, substantially as shown and described.

114,508
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application March 28, 1939, Serial No. 83,873
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

114,509
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application March 28, 1939, Serial No. 83,874
Term of patent 3½ years



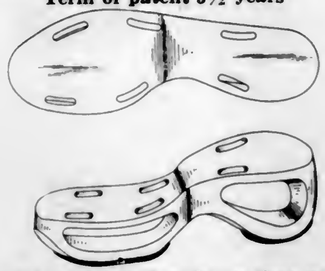
The ornamental design for a lace tablecloth, substantially as shown and described.

114,510
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application March 28, 1939, Serial No. 83,875
Term of patent 3½ years



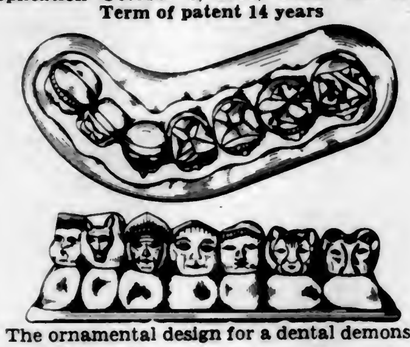
The ornamental design for a lace tablecloth, substantially as shown and described.

114,511
DESIGN FOR A SHOE SOLE
Leandre Gregoire Renaldo, Paris, France
Application January 19, 1939, Serial No. 82,439
In France July 21, 1938
Term of patent 3½ years



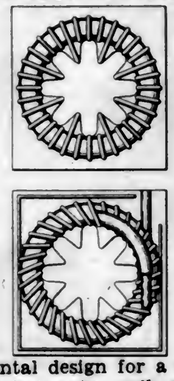
The ornamental design for a shoe sole, substantially as shown.

114,512
DESIGN FOR A DENTAL DEMONSTRATION MODEL
Ansel R. Settell, Bloomfield, Nebr.
Application October 8, 1938, Serial No. 80,338
Term of patent 14 years



The ornamental design for a dental demonstration model, as shown.

114,513
DESIGN FOR A COMBINED STOVE TOP PLATE AND HOT-WATER COIL
Albert B. Trencavel, New York, N. Y.
Application February 24, 1939, Serial No. 83,179
Term of patent 14 years



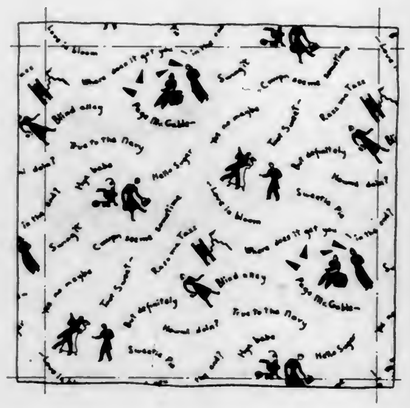
The ornamental design for a combined stove top plate and hot-water coil, substantially as shown.

114,514
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application March 28, 1939, Serial No. 83,876
Term of patent 3½ years



The ornamental design for a lace tablecloth, substantially as shown and described.

114,515
DESIGN FOR A PRINTED TEXTILE FABRIC OR SIMILAR ARTICLE
Rosemary Berger, New Rochelle, N. Y.
Application May 31, 1938, Serial No. 77,462
Term of patent 3½ years



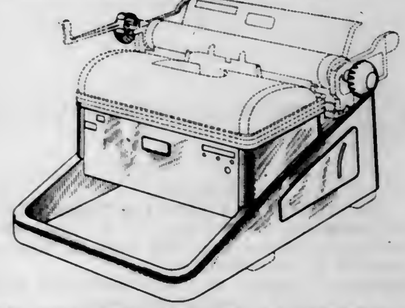
The ornamental design for a printed textile fabric or similar article, as shown.

114,516
DESIGN FOR A NECKLACE
Katharine M. Dick, Clayton, Mo.
Application January 7, 1939, Serial No. 82,218
Term of patent 3½ years



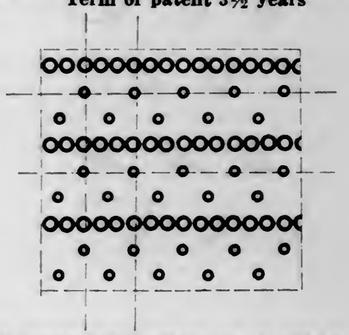
The ornamental design for a necklace, as shown and described.

114,517
DESIGN FOR A TYPEWRITING MACHINE
Henry Dreyfuss, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application October 17, 1938, Serial No. 80,554
Term of patent 14 years



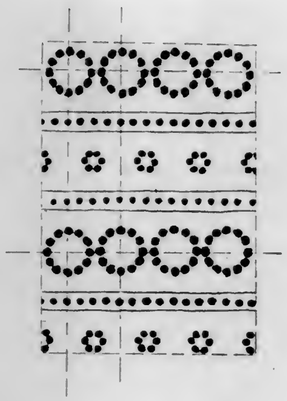
The ornamental design for a typewriting machine, as shown.

114,518
DESIGN FOR A TEXTILE FABRIC
Kurt Lehmann, New York, N. Y., assignor to Emanuel Roth Co., Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 82,338
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

114,519
DESIGN FOR A TEXTILE FABRIC
Kurt Lehmann, New York, N. Y., assignor to Emanuel Roth Co., Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 82,340
Term of patent 3½ years



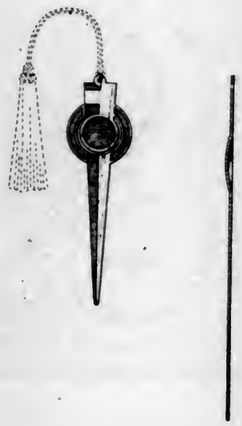
The ornamental design for a textile fabric, substantially as shown.

114,520
DESIGN FOR A TEXTILE FABRIC
Kurt Lehmann, New York, N. Y., assignor to Emanuel Roth Co., Inc., New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 82,341
Term of patent 3½ years



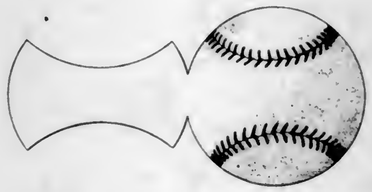
The ornamental design for a textile fabric, substantially as shown.

114,521
DESIGN FOR A BOOKMARK
Albert Nierenberg, New York, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application February 17, 1939, Serial No. 83,055
Term of patent 3½ years



The ornamental design for a bookmark, as shown and described.

114,522
DESIGN FOR AN ADMISSION TICKET
Lawrence Rittelman, New York, N. Y.
Application December 16, 1938, Serial No. 81,820
Term of patent 3½ years



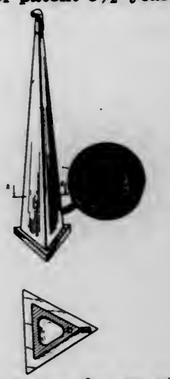
The ornamental design for an admission ticket, as shown and described.

114,523
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Stanley Singer, New York, N. Y.
Application March 17, 1939, Serial No. 83,644
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

114,524
DESIGN FOR AN ATOMIZER
Abraham Tischler, New York, N. Y.
Application January 5, 1939, Serial No. 82,146
Term of patent 3½ years



The ornamental design for an atomizer, substantially as shown.

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